OPIS

al dosarului de concurs pentru acordarea gradației de merit

Prof.univ.dr.ing. VIZUREANU Petrică

OCTOMBRIE 2026

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Anexa nr. 1

Domnule Decan

Subsemnatul Vizureanu Petrică, cadru didactic al Universității Tehnice „Gheorghe Asachi” din Iași cu funcția actuală de Profesor, în cadrul Departamentului TEPM, Facultatea Facultatea de Știința și Ingineria Materialelor, solicit, prin prezenta, înscrierea la concursul pentru acordarea gradației de merit pentru perioada 2026 - 2031, conform Procedurii privind acordarea gradaţiilor de merit pentru personalul didactic titular din cadrul Universităţii Tehnice „Georghe Asachi” din Iasi, PO.DID.11 E1 R3.

Data,
15.10.2026

Semnătura,



Anexa nr. 2

RAPORT DE AUTOEVALUARE
A ACTIVITĂŢII PENTRU ANII 2021 –2025

Numele şi prenumele: **VIZUREANU Petrică**
Funcţia didactică: **Profesor**
Facultatea de Știința și Ingineria Materialelor
Departamentul **TEPM**

Raportul de autoevaluare este întocmit în baza fișei de autoevaluare și de evaluare de către directorul de departament pentru perioada 2021-2025, considerată Grilă de evaluare, aceasta fiind realizată pe baza concatenării indicatorilor de performanță prezentați în fișele de autoevaluare și de evaluare de către directorul de departament în perioada 2021-2025, prezentate la documente justificative.

Punctajul total rezultat este 35133,60

Criteriul 1. Activitatea didactică

Activitatea didactică în cadrul Facultății a fost desfășurată la cele mai inalte standarde, având de-a lungul anilor activități didactice la anii de studii licență 2, 3 și 4, anul 1 și 2 master, respectiv doctorat. În acest sens, am publicat mai multe cursuri și îndrumare pentru studenți.

Nr.	**Indicatori de performanță**	**Gradul de îndeplinire Profesor**	
	1.1. 60 puncte 1.2. 96,11 puncte	**Minim 30 puncte**	**Realizat 156,11 puncte**
	TOTAL Activitate didactică		

Criteriul 2. Activitatea de cercetare științifică

Nr.	**Indicatori de performanță**	**Gradul de îndeplinire Profesor**	
2.1.	Elaborare cărţi/ monografii/ tratate	**Minim 150 puncte**	750,93
2.2.	Articole publicate în reviste de specialitate		3712,85
2.3.	Conferinte prezentate poster/oral		234,38
2.4	Lucrări publicate în volumele conferinţelor		56,20

2.5.	Brevete acordate, produse omologate		159,23
2.6.	Proiecte/ Contracte/ Granturi de cercetare-dezvoltare câştigate prin competiţie		2089,90
2.9.	Citări în reviste cotate ISI sau BDI		14988,00
2.10	Finalizare teză de doctorat		30,00
2.	**TOTAL Cercetarea ştiinţifică**		**Realizat 22021,49 puncte**

Conform SCOPUS, sunt pe poziția 4 în TUIAȘI la număr de publicații în reviste indexate, respectiv proceeding-uri de conferințe.

Criteriul 3. Recunoașterea națională și internațională

Sunt editor a mai multor reviste stiintifice (IJCS, EJMSE), referent la peste IO reviste indexate Web of Science, respectiv organizatorul ICIR EUROINVENT, respectiv a expozitiei internationale EUROINVENT.

Web of Science: H-index 34, peste 3600 citari

SCOPUS: H-index 36, peste 4300 citari

Google Scholar: H-index 41, peste 5700 citari

Nr.	**Indicatori de performanță**	**Gradul de îndeplinire Profesor**	
3.1.	Profesor invitat pentru prelegeri la univ. de prestigiu		80
3.2	Membru în academii		250
3.4.	Membru în societăţi ştiinţifice şi profesionale	**Minim 15 puncte**	250
3.5.	Membru in comisii de doctorat		219
3.6	Membru în colective de redacţie ale revistelor		400
3.7.	Membru în comitete științifice naționale/ internaţionale/ de program (congrese, conferinţe etc.)		320
3.8	Membru in echipe de expertizare/evaluare		1840
3.9	Membru în echipe de expertizare (evaluare) a procesului educaţional (ARACIS, EUA etc.)		90
3.10	Membru în consilii naţionale de specialitate		75
3.11	Organizator de manifestări ştiinţifice naţionale / internaţionale / sesiuni invitate		125
3.12	Referent ştiinţific / expert naţional şi internaţional (pentru reviste, congrese etc.)		6910
3.13	Membru in comisii de concurs pentru posturi didactice universitare		75
3.14	Membru în jurii, comisii, concursuri profesionale		50
3.16	Cadru didactic invitat în programe ERASMUS		20
3.18	Premii		1590

3.	**TOTAL Recunoaşterea naţională şi internaţională**		**Realizat 12294 puncte**

Criteriul 4. Activitatea cu studenții

Am coordonat lucrări de licență, disertație, dar și cercuri științifice. Am fost implicat în diseminarea ofertei educaționale a facultății.

Am fost implicant inclusiv în activități extracuriculare cu studentii, de la vizite de lucru la activități sociale (baluri ale bobocilor și alte concursuri).

Nr.	**Indicatori de performanță**	**Gradul de îndeplinire Profesor**	
4.1.	Conducere cercuri ştiinţifice studenţeşti	**Minim 10 puncte**	30
4.3.	Conducere lucrări de absolvire		200
4.	**TOTAL Activitatea cu studenţii**		**Realizat 230 puncte**

Criteriul 5. Activitatea în comunitatea academică

Am făcut parte din comisiile de finalizare studii de la Licență, Masterat, respectiv in cele de sustinere in departament a tezelor de doctorat comisie de cerc stiintific.

Nr.	**Indicatori de performanță**	**Gradul de îndeplinire Profesor**	
5.1.	Participare la mese rotunde, dezbateri	**Minim 15 puncte**	67
5.2.	Activitate în comisii		65
5.3	Coordonare programe de studii de licentă/ masterat/ stuniversitare de formare continuă		50
5.	**TOTAL Activitatea în comunitatea academică**		**Realizat 182 puncte**

În concluzie, menționez că mi-am desfășurat activitatea didactică și de cercetare în conformitate cu normele naționale, respectiv impuse de universitate, respectând codul de etică deontologică.

Data Semnătura

15.10.2026



Anexa nr. 3

Declaraţie pe propria răspundere

Subsemnatul, Petrică Vizureanu, domiciliat în IAȘI, Jud. Iasi, Str.Parcului, nr.10 bl. A1-3 sc.B et.parter ap.4, legitimat cu ID seria IS nr. 1031903, CNP 1671017370075, încadrat la Facultatea de Știința și Ingineria Materialelor având funcţia didactică de Profesor, declar pe propria răspundere că documentele depuse la dosar îmi aparţin, sunt întocmite conform Procedurii privind acordarea gradaţiilor de merit pentru personalul didactic titular din cadrul Universităţii Tehnice „Gheorghe Asachi”din Iași, PO.DID.11 E1 R3 şi că prin acestea sunt confirmate/ certificate activităţile pe care le-am desfășurat în perioada de referință.

Întocmită într-un exemplar, pe propria răspundere, cunoscând că falsul în declaraţii este pedepsit conform legii.

Data,
15.10.2026

Semnătura,



UNIVERSITATEA TEHNICĂ „GHEORGHE ASACHI” DIN IAŞI

FACULTATEA DE ȘTIINȚA ȘI INGINERIA MATERIALELOR

DEPARTAMENTUL Tehnologii şi Echipamente pentru Procesarea Materialelor

Grila de evaluare pentru obtinerea gradatiei de merit, intocmita in baza fiselor de autoevaluare și de evaluare de către directorul de departament intocmite pentru activitatea raportata in perioada 2021-2025 (ultimii 5 ani)

Numele şi prenumele cadrului didactic evaluat	**Petrică VIZUREANU**
Funcţia didactică	**Profesor univ. dr. ing.**

Criteriul de evaluare	Indicatori de performanţă (cu explicitarea modului de calcul a punctajului pentru fiecare realizare, conf. Anexa 1)	Punctaj
1. Activitate didactică (minimum: • 30 puncte prof.; • 15 puncte conf.; • 10 puncte ș.l.; • 5 puncte as.)	**1.1.** Predare discipline/ cursuri noi în planul de învăţământ, pe direcţii neelaborate anterior (se punctează nr. de discipline noi) **Realizări:** 1.1.1. Sisteme neconventionale pentru tehnologii moderne, anul II, SITM **20p** 1.1.2. Curs – Materiale ceramice **20 p** 1.1.3 Curs - Utilaje pentru ingineria materialelor **20p**	**60,00**
	1.2. Elaborare manuale universitare (inclusiv în sistem e-learning: **Cursuri si indrumare**) **Realizări:** **1.** Petrică Vizureanu, Mirabela Georgiana Minciuna, Gianina Iovan and Simona Stoleriu, Book title: Cobalt, Chapter title: Synthesis, Processing and Characterization of the Cobalt Alloys with Silicon Addition, IntechOpen Books, IntechOpen Books, p. 23-48, 2018, **40x(25/100)/4=2,5p** **2.** Petrică Vizureanu, Dragoș-Cristian Achiței, Mirabela-Georgiana Minciună and Manuela-Cristina Perju Book title: Shape-Memory Materials, Chapter title: Aspects Regarding Thermal-Mechanical Fatigue of Shape Memory Alloys, , IntechOpen Books, p.17-42, 2018**.40x(26/100)/4 = 2,6p** **3.** Petrică Vizureanu, Manuela-Cristina Perju, Dragoş-Cristian Achiţei and Carmen Nejneru Book title: Advanced Surface Engineering Research, Chapter title: Advanced Electro-Spark Deposition Process on Metallic Alloys, , IntechOpen Books, p.45-68, 2018. **40x(23/100)/4 = 2,3p** **4.** Vizureanu P., Baltatu M.S., Titanium-Based Alloys for Biomedical Applications, editura Materials Research Forum LLC, volume 74 (2020) ISSN 2471-8890, 160 pag. **40 x(160/100)/2= 32p** **5.** Petrică Vizureanu, Mădălina Simona Bălțatu, Andrei Victor Sandu, Chapter title: Development of New Advanced Ti-Mo Alloys for Medical Applications, IntechOpen Books, 2020 DOI: http://dx.doi.org/10.5772/intechopen.91906, 19 pag. **40x(19/100)/3 =2,53p** **6.** V. Geanta, I. Voiculescu, P. Vizureanu, A.V. Sandu, Chapter title: High Entropy Alloys for Medical Applications, High Entropy Alloys, IntechOpen Books, 2019, (DOI: 10.5772/intechopen.89318), 17 pag. **40x(17/100)/4 =1,7p** **7.** Vizureanu P., Burduhos Nergis D.D., Sandu A.V., Burduhos Nergis D.P., Baltatu M.S., The Physical and Mechanical Characteristics of Geopolymers Using Mine Tailings as Precursors, IntechOpen, 2021, DOI: 10.5772/intechopen.97807 **40x(21/100)/5=1,68p** **8.** Vizureanu P., Bălțatu M.S., Sandu A.V., Achitei D.C., Burduhos Nergis D.D., Perju M.C., New Trends in Bioactive Glasses for Bone Tissue: A review, Current Concepts in Dental Implantology - From Science to Clinical Research, IntechOpen, 2021, DOI: http://dx.doi.org/10.5772/intechopen.100567 23 pag. **40x(23/100)/6 =1,53p** **9.** Vizureanu P., Burduhos-Nergis D.D., Green Materials Obtained by Geopolymerization for a Sustainable Future, editura Materials Research Forum LLC, vol. 90 (2021) ISBN 978-1-64490-112-0, 212 pag. **40 x(212/100)/2= 42,4p** **10.** Vizureanu P., Bălțatu M.S., Sandu A.V., Achitei D.C., Burduhos Nergis D.D., Perju M.C., Assessment of Solar Energy Potential Limits within Solids on Heating-Melting Interval, Capitol IntechOpen, (DOI: 10.5772/intechopen.104847) **40x(25/100)/6 = 1,66 p** **11.** Dumitru Doru Burduhos-Nergis, Petrică Vizureanu, Andrei Victor Sandu, Rafiza Abdul Razak, Romisuhani Ahmad, Chapter 1: Bibliometric Analysis of Research Trends in Geopolymers, în Geopolymers: Properties and Applications, CRC Press, 2024, ISBN-13: 978-1032486710, pag. 1–17. **40 × (17/100)/5 = 1,36 p** **12.** Andrei Victor Sandu, Dumitru Doru Burduhos-Nergis, Petrică Vizureanu, Mohd Mustafa Al Bakri Abdullah, Liyana Jamaludin, Chapter 2: Geopolymers Overview, în Geopolymers: Properties and Applications, CRC Press, 2024, ISBN-13: 978-1032486710, pag. 18–41. **40 × (23/100)/5 = 1,84 p** **13.** Rafiza Abdul Razak, Alida Abdullah, Mohd Mustafa Al Bakri Abdullah, Petrică Vizureanu, Eva Arifi, Andrei Victor Sandu, Chapter 4: Geopolymer Lightweight Aggregate, în Geopolymers: Properties and Applications, CRC Press, 2024, ISBN-13: 978-1032486710, pag. 52–61. **40 × (9/100)/6 = 0,6 p**	**96,11**

	14. Liyana Jamaludin, Mohd Mustafa Al Bakri Abdullah, Shamala A.P. Ramasamy, Petrică Vizureanu, Chapter 8: Geopolymers as Coating Material, în Geopolymers: Properties and Applications, CRC Press, 2024, ISBN-13: 978-1032486710, pag. 96–110. **40 × (14/100)/5 = 1,40 p**	
	1.1. Elaborare suporturi de cursuri, seminarii, laboratoare, proiecte **Realizări:** 1.1.1.	
	1.2. Elaborare manuale şi alte materiale pentru învăţământul preuniversitar **Realizări:** 1.2.1.	
	1.3. Modernizare tehnologie didactică din alte surse decât din cele publice (donații, sponsorizări etc.) **Realizări:** 1.3.1.	
Total punctaj Criteriu 1		**156,11**
2. Cercetarea ştiinţifică (minimum: • 150 puncte prof.; • 100 puncte conf.; • 60 puncte ș.l.; • 30 puncte asist.)	**2.1.** Elaborare cărţi/ monografii/ tratate **Realizări:** 1. Baltatu M.S., Vizureanu P., Materiale Biocompatibile, editura PIM, ISBN : 978-606-13-5168-8, 2019, 146 pagini . **20 x (146/100) / 2 = 14,6 p** 2. Vizureanu P., Yamaguchi S., Baltatu M.S., Göller G., Sandu A.V., Zamora-Ledezma C., Antoniac I.V., Functionalized Materials Applications in Biomedicine, CRC Press, 2025, 420 pag., ISBN: 978-1-032-8137-9, DOI: 10.1201/9781003642855. **50 × (420/100)/7 = 30,00 p** 3. Vizureanu P., Bălțatu M.S., Epoxy - Materials, Applications and Advanced Technologies, IntechOpen, 2025, 140 pag., ISBN: 978-1-83634-316-5, DOI: 10.5772/intechopen.1008044. **50 × (140/100)/2 = 35,00 p** 4. Vizureanu P., Pruteanu A., Fierascu R.C., Bălțatu M.S., Pietrusiewicz P., Sandu A.V., Nabiałek M., Evolution and Prospects of Epoxy Materials: From Traditional to Advanced, IntechOpen, London, 2025, 13 pag., DOI: 10.5772/intechopen.1012225. **50 × (13/100)/7 = 0,93 p** 5. Bălțatu M.S., Vizureanu P., Sandu A.V., Pruteanu A., Ciolacu F., Fierascu R., Spataru M.C., Krawczyk M.B., Methods and Processing Techniques of Titanium Alloys, IntechOpen, London, 2025, 17 pag., DOI: 10.5772/intechopen.1012294. **50 × (17/100)/8 = 1,06 p** 6. Bălțatu M.S., Vizureanu P., Sandu A.V., Achitei D.C., Burduhos-Nergis D.D., Perju M.C., Nabiałek M., Biocomposites: Materials, Properties, and Applications, IntechOpen, London, 2025, 19 pag., DOI: 10.5772/intechopen.1010197. **50 × (19/100)/7 = 1,36 p** 7. Sandu A.V., Vizureanu P., Bakri Abdullah M.M.A., Nabialek M., Ghazali C.M.R., Sandu I. (editors), Selected Papers from International Conference on Innovative Research ICIR EURINVENT 2024, Springer Proceedings in Materials, 2024, ISBN 978-3-031-81197-5. **50 × (216/100)/6 = 18,00 p** 8. Shayfull Zamree Abd Rahim, Mohd Mustafa Al Bakri Abdullah, Shafiq Ishak, Romisuhani Ahmad, and Petrica Vizureanu, Chapter 3: Geopolymer Prepared from Non-ferrous Metallurgical Slags: Synthesis, Mechanism and Microstructure, în Mining and Metallurgical Wastes Based Alkali-Activated Materials, Springer, 2024, 19 pag. **50 × (19/100)/5 = 1,90 p** 9. Rafiza Abd Razak, Petrica Vizureanu, Mohd Mustafa Al Bakri Abdullah, Rosnita Mohamed, and Dickson Ling Chuan Hao, Chapter 6: Durability Testing Protocols for Concrete Made with Alternative Binders and Recycled Materials, 2024, 15 pag. **50 × (15/100)/5 = 1,50 p** 10. Petrica Vizureanu, Mohd Mustafa Al Bakri Abdullah, Rafiza Abdul Razak, Dumitru Doru Burduhos-Nergis, Liew Yun-Ming and Andrei Victor Sandu (editors), Geopolymers: Properties and Applications, CRC Press Taylor & Francis Group, 2024, ISBN-13: 978-1032486710. **50 × (151/100)/6 = 12,58 p** 11. M.S. Baltatu, P. Vizureanu, A.V. Sandu, D.C. Achitei, M.C. Perju, D.D. Burduhos-Nergis and M. Benchea, Titanium – A Versatile Metal in Modern Applications, în Titanium-Based Alloys - Characteristics and Applications, 2024, 21 pag., DOI: 10.5772/intechopen.1005742. **50 × (21/100)/7 = 1,50 p** 12. M.C. Spataru, M.S. Baltatu, A.V. Sandu, P. Vizureanu, General Trends on Biomaterials Applications: Advantages and Limitations, în Novel Biomaterials for Tissue Engineering, 2024, 25 pag., DOI: 10.5772/intechopen.114838. **50 × (25/100)/4 = 3,12 p** 13. P. Vizureanu, M.S. Baltatu, A.V. Sandu, Novel Titanium Alloys for Tissue Engineering, în Novel Biomaterials for Tissue Engineering, 2024, 26 pag., DOI: 10.5772/intechopen.112763. **50 × (26/100)/3 = 4,33 p** 14. Baltatu I., Baltatu M.S., Vizureanu P., Tendințe noi în dezvoltarea aliajelor biocompat bile pe bază de titan, Editura PIM, 2024, ISBN 978-606-13-8844-8, 135 pag. **20 × (135/100)/3 = 9,00 p** 15. Vizureanu P., Baltatu M.S. (editors), Titanium-Based Alloys - Characteristics and Applications, IntechOpen, London, 2024, DOI: 10.5772/intechopen.1001617, ISBN 978-0-85466-820-5, 200 pag. **50 × (200/100)/2 = 50,00 p** 16. Vizureanu P., Baltatu M.S. (editors), Novel Biomaterials for Tissue Engineering, IntechOpen, London, 2024, DOI: 10.5772/intechopen.110991, ISBN 978-1-83769-229-3, 186 pag. **50 × (186/100)/2 = 46,50 p** 17. Baltatu M.S., Vizureanu P., Sandu A.V., Advances in New Functional Biomaterials for Medical Applications, Special Issue Advances in Crystals, 2024, DOI: 10.3390/books978-3-7258-0961-5, 166 pag. **50 × (166/100)/3 = 27,66 p**	**750,93**

	18. Petrica Vizureanu, Editor, Future Trends in Advanced Materials and Processes, Materials, 2023, 352 pag., ISBN 978-3-0365-6470-8. **50 × (352/100)/1 = 176,00 p** 19. T.Y. Ratushnaya, V.V. Savinkin, A.V. Sandu and P. Vizureanu, Technologies for Plasma Renovation of the Phase Structure of Substandard Turbine Blades of CHP, Materials Research Foundations Vol. 150, 2023, 98 pag., DOI: 10.21741/9781644902653. **50 × (98/100)/4 = 12,25 p** 20. Vizureanu P. (editor), Latest Research on Energy Recovery, IntechOpen, 2023, 150 pag., ISBN 978-1-80355-610-9. **50 × (150/100)/1 = 75,00 p** 21. Minciuna M.G., Vizureanu P., Baltatu M.S., Sisteme Moderne Pentru Aplicații Medicale, Editura PIM, 2022, 135 pag. **20 × (135/100)/3 = 9,00 p** 22. Baltatu M.S., Burduhos-Nergis D.D., Burduhos-Nergis D.P., Vizureanu P., Advanced Metallic Biomaterials, Materials Research Foundations Vol. 118, 2022, 162 pag., DOI: 10.21741/9781644901779. **50 × (162/100)/4 = 20,25 p** 23. Burduhos-Nergis D.P., Burduhos-Nergis D.D., Baltatu M.S., Vizureanu P., Advanced Coatings for the Corrosion Protection of Metals, Materials Research Forum, USA, 2022, 152 pag., DOI: 10.21741/9781644901670. **50 × (152/100)/4 = 19,00 p** 24. Burduhos-Nergis D.D., Burduhos-Nergis D.P., Baltatu M.S., Vizureanu P., Ceramics and Composites, Preparation and Applications, Materials Research Foundations Vol. 117, 2022, DOI: 10.21741/9781644901717. **50 × (117/100)/4 = 14,63 p** 25. Vizureanu P. (editor), Botelho C.M.D.C.F. (co-editor), Biomaterials, IntechOpen, 2020, ISBN: 978-1-78984-465-8, DOI: 10.5772/intechopen.87369, 149 pag. **50 × (149/100)/2 = 37,25 p** 26. Vizureanu P. (editor), Thermodynamics and Energy Engineering, IntechOpen, 2020, ISBN 978-1-83880-569-2, DOI: 10.5772/intechopen.79004, 257 pag. **50 × (257/100)/1 = 128,50 p**	
	2.2. Articole publicate în reviste de specialitate 148 articole in reviste cotate ISI 1. M.C. Spataru, F.D. Cojocaru, A.V. Sandu, C. Solcan, I.A. Duceac, M.S. Baltatu, I. Voiculescu, V. Geanta, P. Vizureanu, Assessment of the Effects of Si Addition to a New TiMoZrTa System, MATERIALS, 14 (24), 2021, Article Number 7610, DOI10.3390/ma14247610. FI: 3.623 **(30 + 40 x 3.623)/9= 19.44** I. Luhar, S. Luhar, M.M.A. Abdullah, R.A. Razak, P. Vizureanu, A.V. Sandu, P.D. Matasaru, A State-of-the-Art Review on Innovative Geopolymer Composites Designed for Water and Wastewater Treatment, MATERIALS, 14 (23), 2021, Article Number 7456, DOI10.3390/ma14237456. FI: 3.623 **(30 + 40 x 3.623)/7=24.99** 4. V.V. Savinkin, Z.Z. Zhumekenova, A.V. Sandu, P. Vizureanu, S.V. Savinkin, S.N. Kolisnichenko, O.V. Ivanova, Study of Wear and Redistribution Dynamic Forces of Wheel Pairs Restored by a Wear-Resistant Coating 15Cr17Ni12V3F, COATINGS, 11(12), 2021, Article Number 1441, DOI 10.3390/coatings1112144 FI: 2.881 **(30 + 40 x 2.881)/7=20.75** 5. M.S. Baltatu, A.V. Sandu, M. Nabialek, P. Vizureanu, G. Ciobanu, Biomimetic Deposition of Hydroxyapatite Layer on Titanium Alloys, MICROMACHINES, 12, (12), Article Number 1447, DOI 10.3390/mi12121447 IF: 2.891 **(30 + 40 x 2.891)/5=29.13** 6. Z. Yahya, M.M.A. Abdullah, L.Y. Li, D.D.B., Nergis, M.A.A. Hakimi, A.V. Sandu, P. Vizureanu, R.A. Razak, Behavior of Alkali-Activated Fly Ash through Underwater Placement, MATERIALS, 14 (22), 2021, Article Number 6865, DOI10.3390/ma14226865. FI: 3.623 **(30 + 40 x 3.623)/8=21.86** 7. M.S. Baltatu, M.C. Spataru, L. Verestiuc, V. Balan, C. Solcan, A.V. Sandu, V. Geanta, I. Voiculescu, P. Vizureanu, Design, Synthesis, and Preliminary Evaluation for Ti-Mo-Zr-Ta-Si Alloys for Potential Implant Applications, MATERIALS, 14 (22), 2021, Article Number 6806, DOI 10.3390/ma14226806. FI: 3.623 **(30 + 40 x 3.623)/9= 19.44** 8. M.S. Baltatu, P. Vizureanu, A.V. Sandu, N. Florido-Suarez, M.V. Saceleanu, J.C. Mirza-Rosca, New Titanium Alloys, Promising Materials For Medical Devices, MATERIALS, 14 (20), 2021, Article Number 5934, DOI10.3390/Ma14205934 FI: 3.623 **(30 + 40 x 3.623)/6= 29.15** 9. M.I.I. Ramli, M.A.A.M. Salleh, A.V. Sandu, S.F.M. Amli, R.M. Said, N. Saud, M.M.A. Abdullah, P. Vizureanu, A. Rylski, J. Chaiprapa, M. Nabialek. Influence of 1.5 wt.% Bi on the Microstructure, Hardness, and Shear Strength of Sn-0.7Cu Solder Joints after Isothermal Annealing, MATERIALS, 14 (18), 2021, Article Number 5134, DOI 10.3390/ma14185134. FI: 3.623 **(30 + 40 x 3.623)/11= 15.90** 10. V.V. Savinkin, S.N. Kolisnichenko, A.V. Sandu, O.V. Ivanova, P. Vizureanu, Z.Z. Zhumekenova, Investigation of the Strength Parameters of Drilling Pumps during the Formation of Contact Stresses in Gears, APPLIED SCIENCES-BASEL, 11(15), 2021, Article Number 7076, DOI 10.3390/app11157076 IF: 2.679 **(30 + 40 x 2.679)/6=22.86** 11. M.Z.M. Mokhtar, M.A.A.M. Salleh, A.V. Sandu, M.M. Ramli, J. Chaiprapa, P. Vizureanu, M.I.I. Ramli, Effect of Electromigration and Thermal Ageing on the Tin Whiskers' Formation in Thin Sn-0.7Cu-0.05Ga Lead (Pb)-Free Solder Joints, COATINGS, 11(8), 2021, Article Number 935, DOI 10.3390/coatings11080935 IF: 2.881 **(30 + 40 x 2.881)/7=20.75** 12. R. Othman, R.P. Jaya, K. Muthusamy, M. Sulaiman, Y. Duraisamy, M.M.A. Abdullah, A. Przybyl, W. Sochacki, T. Skrzypczak, P. Vizureanu, A.V. Sandu, Relation between Density and Compressive Strength of Foamed Concrete, MATERIALS, 14(11), 2021, Article Number 2967, DOI 10.3390/ma14112967 FI: 3.623 **(30 + 40 x 3.623)/11= 15.90** 13. Hegyi, A; Bulacu, C; Szilagyi, H; Lazarescu, AV; Meita, V; Vizureanu, P; Sandu, M. Improving Indoor Air Quality by Using Sheep Wool Thermal Insulation, MATERIALS 2021 14(9) 2443, DOI10.3390/ma14092443 FI: 3.623 **(30 + 40 x 3.623)/7=24.99** 14. Cimpoesu, R; Vizureanu, P; Stirbu, I; Sodor, A; Zegan, G; Prelipceanu, M; Cimpoesu, N; Ioanid, N. Corrosion-Resistance Analysis of HA Layer Deposited through Electrophoresis on Ti4Al4Zr Metallic Substrate. APPLIED SCIENCES-BASEL 2021, 11(9) 4198, DOI10.3390/app11094198 FI: 2.679 IF: 2.679 **(30 + 40 x 2.679)/8=17.145**	**3712,85**

15. R. Rahman, S.Z.F.S. Putra, S.Z.A. Rahim, I. Nainggolan, B. Jez, M. Nabialek, L. Musa, A.V. Sandu, P. Vizureanu, M.M.A.B. Abdullah, D. Kwiatkowski, I. Wnuk, The Infuence of MMA Esterifcation on Interfacial Adhesion and Mechanical Properties of Hybrid Kenaf Bast/Glass F ber Reinforced Unsaturated Polyester Composites, MATERIALS, 14, 2021, art. no. 2276 https://doi.org/10.3390/ma14092276. IF: 3.623 **(30 + 40 x 3.623)/12=14.58**
16. Garus, S; Vizureanu, P; Abdullah, MMAB; Omarc, MF; Walters, S; Hasani, S; Seifoddini, A; Rezaei-Shahreza, P. Change of Magnetic Saturation Polarisation as a Function of Temperature in Bulk Fe-Based Amorphous Alloys, ACTA PHYSICA POLONICA A, 2021, 139(5), 510-512, DOI10.12693/APhysPolA.139.510 FI: 0.577 **(30 + 40 x 0.577)/8=6.635**
17. Shahedan, NF; Abdullah, MMA; Mahmed, N; Kusbiantoro, A; Tammas-Williams, S; Li, LY; Aziz, IH; Vizureanu, P; Wyslocki, JJ; Bloch, K; Nabialek, M. Properties of a New Insulation Material Glass Bubble in Geopolymer Concrete, MATERIALS, 2021, 14(4) 809. DOI10.3390/ma14040809 FI: 3.623 **(30 + 40 x 3.623)/11= 15.90**
18. N.S.M. Zaimi, M.A.A.M. Salleh, A.V. Sandu, M.M.A. Abdullah, N. Saud, S.Z. Abd Rahim, P. Vizureanu, R.M. Said, M.I.I. Ramli, Performance of Sn-3.0Ag-0.5Cu Composite Solder with Kaolin Geopolymer Ceramic Reinforcement on Microstructure and Mechanical Properties under Isothermal Ageing, MATERIALS, 14, 4, 2021, Article Number: 776, DOI: 10.3390/ma14040776 (Corresponding author) FI: 3.623 **(30 + 40 x 3.623)/9= 19.44**
19. V.N. Kyznetsova, V.V. Savinkin, T.Y. Ratushnaya, A.V. Sandu, P. Vizureanu, Study of the Spatial Distr bution of Forces and Stresses on Wear Surfaces at Optimization of the Excavating Part of an Earthmoving Machine Transverse Profile, COATINGS, 11, 2, 2021, Article Number: 182, DOI: 10.3390/coatings11020182 IF:2.881 **(30 + 40 x 2.881)/5=29.05**
20. M.C. Spataru, M. Butnaru, A.V. Sandu, V. Vulpe, M.D. Vlad, M.S. Baltatu, V. Geanta, I. Voiculescu, P. Vizureanu, C. Solcan, In-depth assessment of new Ti-based biocompatible materials, MATERIALS CHEMISTRY AND PHYSICS, 258, 2021, Article number 123959. 10.1016/j.matchemphys.2020.123959 IF:4.094 **(30 + 40 x 4.094)/10=21.52**
21. L. Verestiuc, M.C. Spataru, M.S. Baltatu, M. Butnaru, C. Solcan, A.V. Sandu, I. Voiculescu, V. Geanta, P. Vizureanu, New Ti-Mo-Si materials for bone prosthesis applications, JOURNAL OF THE MECHANICAL BEHAVIOR OF BIOMEDICAL MATERIALS, 113, 2021, 104198. 10.1016/j.jmbbm.2020.104198 IF:3.902 **(30 + 40 x 3.902)/9=20.68**
22. Baltatu, M.S., Vizureanu, P., Sandu, A.V., Munteanu, C., Istrate, B., Microstructural Analysis and Tribological Behavior of Ti-Based Alloys with a Ceramic Layer Using the Thermal Spray Method, COATINGS, Volume: 10, Issue: 12, Article Number: 1216, Published: 2020, IF:2.881 **(30 + 40 x 2.881)/5=29.05**
23. Titu, A.M., Vizureanu, P., Titu, S., Sandu, A.V., Pop, A.B., Bucur, V., Ceocea, C., Boroiu, A., Experimental Research on the Cutting of Metal Materials by Electrical Discharge Machining with Contact Breaking with Metal Band as Transfer Object, MATERIALS, Volume: 13, Issue: 22, Article Number: 5257, Published: 2020, FI: 3.623 **(30 + 40 x 3.623)/8=21.86**
24. Savin, A., Craus, M.L., Bruma, A., Novy, F., 11Malo, S., Chlada, M., Steigmann, R., Vizureanu, P., Harnois, C., Turchenko, V., Prevorovsky, Z., Microstructural Analysis and Mechanical Properties of TiMo20Zr7Ta15Six Alloys as Biomaterials, MATERIALS, Volume: 13, Issue: 21, Article Number: 4808, Published: 2020, FI: 3.623 **(30 + 40 x 3.623)/11= 15.90**
25. Nabialek, M., Walters, S., Vizureanu, P., Abdullah, M.M.A.B., Jez, B., Influence of Co and Zr Content on Creation of Crystalline Phases in Rapidly-Cooled, Injection-Cast Alloys Fe70Zr8-xCoxNb2B20 (where x=0, 2, 4, 6 or 8), ACTA PHYSICA POLONICA A, Volume: 138, Issue: 2, Pages: 152-155, Published: 2020, F.I.:0.577 **(30 + 40 x 0.577)/5=10.616**
26. Talar, M., Gondro, J., Vizureanu, P., Abdullah, M.M.A.B., Bloch, K., The Influence of Heat Treatment on the Magnetic Properties of the Alloy Fe62Co10Y8B20 Produced by the Injection Suction Casting Method, ACTA PHYSICA POLONICA A, Volume: 138, Issue: 2, Pages: 185-188, Published: 2020, F.I.:0.577 **(30 + 40 x 0.577)/5=10.616**
27. Perju, M.C., Sandu, A.V., Vizureanu, P., Nejneru, C., Tugui, C.A., Burduhos-Nergis, D.D., Microstructural Analysis of Ti/W/WC Deposition by ESD Method, ACTA PHYSICA POLONICA A, Volume: 138, Issue: 2, Pages: 214-217, Published: 2020, F.I.:0.577 **(30 + 40 x 0.577)/6=8,85**
28. Vizureanu, P., Yamaguchi, S., Le, P.T.M., Baltatu, M.S., Biocompatibility Evaluation of New TiMoSi Alloys, ACTA PHYSICA POLONICA A, Volume: 138, Issue: 2, Pages: 283-286, Published: 2020, F.I.:0,577 **(30 + 40 x 0,577)/4= 13,27**
29. Burduhos-Nergis, D.P., Vizureanu, P., Sandu, A.V., Bejinariu, C., Phosphate Surface Treatment for Improving the Corrosion Resistance of the C45 Carbon Steel Used in Carabiners Manufacturing, MATERIALS, Volume: 13, Issue: 15, Article Number: 3410, Published: 2020, FI: 3.623 **(30 + 40 x 3.623)/4= 42,73**
30. Predescu, A.M., Vidu, R., Vizureanu, P., Predescu, A., Matei, E; Predescu, C., Properties of Cu-xFe(3)O(4)Nanocomposites for Electrical Application, MATERIALS, Volume: 13 Issue: 14 Article Number: 3086, 2020, FI: 3.623 **(30 + 40 x 3.623)/6= 29.15**
31. Istrate, B., Munteanu, C., Lupescu, S., Chelariu, R., Vlad, M.D., Vizureanu, P., Electrochemical Analysis and In Vitro Assay of Mg-0.5Ca-xY Biodegradable Alloys, MATERIALS, Volume: 13, Issue: 14, Article Number: 3082, Published: 2020, FI: 3.623 **(30 + 40 x 3.623)/6= 29.15**
32. Nergis, D.D.B., Vizureanu, P., Ardelean, I., Sandu, A.V., Corbu, O.C., Matei, E., Revealing the Influence of Microparticles on Geopolymers' Synthesis and Porosity, MATERIALS, Volume: 13, Issue: 14, Article Number: 3211, Published: 2020, FI: 3.623 **(30 + 40 x 3.623)/6= 29.15**
33. Azimi, E.A., Abdullah, M.M.A., Vizureanu, P., Salleh, M.A.A.M., Sandu, A.V., Chaiprapa, J., Yoriya, S., Hussin, K., Aziz, I.H., Strength Development and Elemental Distribution of Dolomite/Fly Ash Geopolymer Composite under Elevated Temperature, MATERIALS, Volume: 13, Issue: 4, Article Number: 1015, Published: 2020, FI: 3.623 **(30 + 40 x 3.623)/9= 19.44**
34. Vizureanu, P., Nabialek, M., Sandu, A.V., Jez, B., Investigation into the Effect of Thermal Treatment on the Obtaining of Magnetic Phases: Fe5Y, Fe23B6, Y2Fe14B and alpha Fe within the Amorphous Matrix of Rapidly-Quenched Fe61+xCo10-xW1Y8B20 Alloys (Where x=0, 1 or 2), MATERIALS, Volume: 13, Issue: 4, Article Number: 835, Published: 2020, FI: 3.623 **(30 + 40 x 3.623)/4= 42,73**
35. Nergis, D.D.B., Abdullah, M.M.A., Sandu, A.V., Vizureanu, P., XRD and TG-DTA Study of New Alkali

Activated Materials Based on Fly Ash with Sand and Glass Powder, MATERIALS, Volume: 13, Issue: 2, Article Number: 343, Published: 2020, FI: 3.623 **(30 + 40 x 3.623)/4= 42,73**

36. Savinkin, V.V., Vizureanu, P., Sandu, A.V., Ratushnaya, T.Y., Ivanischev, A.A., Surleva, A., Improvement of the Turbine Blade Surface Phase Structure Recovered by Plasma Spraying, COATINGS, Volume: 10, Issue: 1, Article Number: 62, Published: 2020, IF: 2.881 **(30 + 40 x 2.881)/6=24.21**
37. Ming, LY, Sandu, AV, Yong, HC, Tajunnisa, Y, Azzahran, SF, Bayuji, R., Abdullah, MMA, Vizureanu, P., Hussin, K., Jin, TS., Loong, FK, Compressive Strength and Thermal Conductivity of Fly Ash Geopolymer Concrete Incorporated with Lightweight Aggregate, Expanded Clay Aggregate and Foaming Agent, REVISTA DE CHIMIE, Volume: 70, Issue: 11, 2019, Pages: 4021-4028 **(30+40x1,755)/11=9,11**
38. Sandu, AV, Baltatu, MS, Nabialek, M., Savin, A., Vizureanu, P., Characterization and Mechanical Proprieties of New TiMo Alloys Used for Medical Applications, Materials, Volume: 12 Issue: 18, 2019 , Article Number: 2973 FI: 3.623 **(30 + 40 x 3.623)/5= 34,98**
39. Focsaneanu, SC . Vizureanu, P., Sandu, AV., Ciobanu, G., Baltatu, SM., Vlad, D., Experimental Study on the Influence of Zirconia Surface Preparation on Deposition of Hydroxyapatite, REVISTA DE CHIMIE, Volume: 70 Issue: 6, 2019, Pages: 2273-2275., **(30+40x1,755)/6=16,7**
40. Burduhos Nergis, DD., Vizureanu, P., Corbu, O., Synthesis and Characteristics of Local Fly Ash Based Geopolymers Mixed with Natural Aggregates, REVISTA DE CHIMIE, Volume: 70 Issue: 4, 2019, Pages: 1262-1267 **(30+40x1, 755)/3=33,4**
41. Baltatu, MS, Tugui, CA, Perju, MC., Benchea, M., Spataru, MC., Sandu, AV., Vizureanu, P., Biocompatible Titanium Alloys used in Medical Applications, REVISTA DE CHIMIE, Volume: 70 Issue: 4, 2019, Pages: 1302-1306. **(30+40x1, 755)/7=14,31**
42. Minciuna, MG., Achitei, DC., Vizureanu, P., Sandu, AV., Nabialek, M., Electrochemical Evaluation of AISI 420 Steel after Several Heat Treatments, ACTA PHYSICA POLONICA A, Volume: 135 Issue: 2, 2019, Pages: 115-118 , F.I.:0.577 **(30 + 40 x 0.577)/5=10.616**
43. Sliwa, Agata, Sroka, Marek, Zukowska, Ludwina, Bloch, Katarzyna, Vizureanu, Petrica, Sandu, Andrei Victor, Numerical Analysis of Strength Properties of Anatomical General Surgical Tweezers, REVISTA DE CHIMIE, Volume: 69, Issue: 1, Pages: 187-190, Published:JAN 2018, **(30+40x1, 755)/5=20,04**
44. Gruszka, K , Nabialek, M, Szota, M, Vizureanu, P., Abdullah, MMA, Bloch, K., Sandu, AV , The Study of Magnetization in Strong Magnetic Fields for Fe62-xCO10NbxY8B20 (X=0, 1, 2) Alloys, REVISTA DE CHIMIE Volume: 68 Issue: 2 Pages: 265-268 Published: FEB 2017 **(30+40x1, 755)/7=14,31**
45. Kasa, SN, Omar, MF, Abdullah, MMA , Ismail, IN, Ting, SS , Vac, SC , Vizureanu, P, Effect of Unmodified and Modified Nanocrystalline Cellulose Reinforced Polylactic Acid (PLA) Polymer Prepared by Solvent Casting Method Morphology, mechanical and thermal properties, MATERIALE PLASTICE Volume: 54 Issue: 1 Pages: 91-97 Published: MAR 2017 **(30+40x1.517)/7=12,95**
46. Achitei, D.C.; Baltatu, M.S.; Vizureanu, P.; Sandu, A.V.; Benchea, M.; Istrate, B. Ni-Cr Alloys Assessment for Dental Implants Suitability. Appl. Sci. 2022, 12, 12814. https://doi.org/10.3390/app122412814 F.I. 2.838 FI: 2.838 **(30 + 40 x 2.838)/6= 23.92**
47. Mydin, M.A.O.; Abdullah, M.M.A.B.; Mohd Nawi, M.N.; Yahya, Z.; Sofri, L.A.; Baltatu, M.S.; Sandu, A.V.; Vizureanu, P. Influence of Polyformaldehyde Monofilament Fiber on the Engineering Properties of Foamed Concrete. Materials 2022, 15, 8984. https://doi.org/10.3390/ma15248984 F.I. 3.748 **(30 + 40 x 3.748)/8= 22.49**
48. Nadzri, NIM (Nadzri, Nur Izzati Muhammad); Halin, DSC (Halin, Dewi Suriyani Che); Abdullah, MMA (Abdullah, Mohd Mustafa Al Bakri); Joseph, S (Joseph, Sudha); Salleh, MAAM (Salleh, Mohd Arif Anuar Mohd); Vizureanu, P (Vizureanu, Petrica); Burduhos-Nergis, DP (Burduhos-Nergis, Diana-Petronela); Sandu, AV (Sandu, Andrei Victor), High-Entropy Alloy for Thin Film Application: A Review, COATINGS Volume: 12 Issue: 12 Article Number: 1842 DOI: 10.3390/coatings12121842 Published: DEC 2022 F.I. 3.236 **(30 + 40 x 3.236)/8= 19.93**
49. Baidrulhisham, S.E.; Noor, N.M.; Hassan, Z.; Sandu, A.V.; Vizureanu, P.; Ul-Saufie, A.Z.; Zainol, M.R.R.M.A.; Kadir, A.A.; Deák, G. Effects of Weather and Anthropogenic Precursors on Ground-Level Ozone Concentrations in Malaysian Cities. Atmosphere 2022, 13, 1780. https://doi.org/10.3390/atmos13111780 F.I. 3.11 **(30 + 40 x 3.11)/10= 15.44**
50. Baltatu, M.S.; Chiriac-Moruzzi, C.; Vizureanu, P.; Tóth, L.; Novák, J. Effect of Heat Treatment on Some Titanium Alloys Used as Biomaterials. Appl. Sci. 2022, 12, 11241. https://doi.org/10.3390/app122111241 FI. F.I. 2.838 **(30 + 40 x 2.838)/5= 28.704**
51. Jamil, N.H.; Abdullah, M.M.A.B.; Ibrahim, W.M.A.W.; Rahim, R.; Sandu, A.V.; Vizureanu, P.; Castro-Gomes, J.; Gómez-Soberón, J.M. Effect of Sintering Parameters on Microstructural Evolution of Low Sintered Geopolymer Based on Kaolin and Ground-Granulated Blast-Furnace Slag. Crystals 2022, 12, 1553. https://doi.org/10.3390/cryst12111553 FI. 2,670, **(30 + 40 x 2.67)/6= 22,8**
52. Jimenez-Marcos, C (Jimenez-Marcos, Cristina); Mirza-Rosca, JC (Mirza-Rosca, Julia Claudia); Baltatu, MS (Baltatu, Madalina Simona); Vizureanu, P (Vizureanu, Petrica), Experimental Research on New Developed Titanium Alloys for Biomedical Applications, BIOENGINEERING-BASEL Volume: 9 Issue: 11 Article Number: 686 DOI: 10.3390/bioengineering9110686 Published: NOV 2022 FI. 5.046 **(30 + 40 x 5.046)/4= 57.96**
53. Mohamad, I.S.; Norizan, M.N.; Mahmed, N.; Jamalullail, N.; Halin, D.S.C.; Salleh, M.A.A.M.; Sandu, A.V.; Baltatu, M.S.; Vizureanu, P. Enhancement of Power Conversion Efficiency with Zinc Oxide as Photoanode and Cyanococcus, Punica granatum L., and Vitis vinifera as Natural Fruit Dyes for Dye-Sensitized Solar Cells. Coatings 2022, 12, 1781. https://doi.org/10.3390/coatings12111781 F.I. 3.236 **(30 + 40 x 3.236)/9= 17.71**
54. Sofri, L.A.; Abdullah, M.M.A.B.; Sandu, A.V.; Imjai, T.; Vizureanu, P.; Hasan, M.R.M.; Almadani, M.; Aziz, I.H.A.; Rahman, F.A. Mechanical Performance of Fly Ash Based Geopolymer (FAG) as Road Base Stabilizer. Materials 2022, 15, 7242. https://doi.org/10.3390/ma15207242 F.I. 3.748 **(30 + 40 x 3.748)/9= 19.99**
55. Tahirukaj, M.; Surleva, A.; Vizureanu, P.; Olluri, B.; Sandu, A.V. Assessment of Persistence of Gunshot Residues Produced by Firearms from Criminal Cases in the Republic of Kosovo. Appl. Sci. 2022, 12, 10477. https://doi.org/10.3390/app122010477 F.I. 2,838 , **(30 + 40 x 2.838)/5= 28.704**
56. Thanki, H.; Shah, S.; Oza, A.; Vizureanu, P.; Burduhos-Nergis, D.D. Sustainable Consumption: Will

They Buy It Again? Factors Influencing the Intention to Repurchase Organic Food Grain. Foods 2022, 11, 3046. https://doi.org/10.3390/foods11193046 F.I. 5.561 **(30 + 40 x 5.561)/5= 50.488**

57. Arokiasamy, P.;Abdullah, MMA; Abd Rahim, SZ; Zainol, MRRMA; Salleh, MAAM; Kheimi, M; Chaiprapa, J.; Sandu, A.V.; Vizureanu, P.; Razak, R.A.; Jamil, NH. Metakaolin/sludge based geopolymer adsorbent on high removal efficiency of Cu2+. CASE STUDIES IN CONSTRUCTION MATERIALS 2022, 17, 01428. https://doi.org/10.1016/j.cscm.2022.e01428 FI.5,532 **(30 + 40 x 5.561)/7= 35.89**
58. Ahmad, R.; Ibrahim, W.M.W.; Abdullah, M.M.A.B.; Pakawanit, P.; Vizureanu, P.; Abdullah, A.S.; Sandu, A.V.; Ahmad Zaidi, F.H. Geopolymer-Based Nepheline Ceramics: Effect of Sintering Profile on Morphological Characteristics and Flexural Strength. Crystals 2022, 12, 1313. https://doi.org/10.3390/cryst12091313 F.I. 2,670 **(30 + 40 x 2.670)/8= 17.1**
59. Ibrahim, W.M.W.; Abdullah, M.M.A.B.; Ahmad, R.; Sandu, A.V.; Vizureanu, P.; Benjeddou, O.; Rahim, A.; Ibrahim, M.; Sauffi, A.S. Chemical Distributions of Different Sodium Hydroxide Molarities on Fly Ash/Dolomite-Based Geopolymer. Materials 2022, 15, 6163. https://doi.org/10.3390/ma15176163 F.I. 3.748 **(30 + 40 x 3.748)/9= 19.99**
60. Jamaludin, L.; Razak, R.A.; Abdullah, M.M.A.B.; Vizureanu, P.; Bras, A.; Imjai, T.; Sandu, A.V.; Abd Rahim, S.Z.; Yong, H.C. The Suitability of Photocatalyst Precursor Materials in Geopolymer Coating Applications: A Review. Coatings 2022, 12, 1348. https://doi.org/10.3390/coatings12091348 F.I. 3.236 **(30 + 40 x 3.236)/9= 17.72**
61. Ul-Saufie, A.Z.; Hamzan, N.H.; Zahari, Z.; Shaziayani, W.N.; Noor, N.M.; Zainol, M.R.R.M.A.; Sandu, A.V.; Deak, G.; Vizureanu, P. Improving Air Pollution Prediction Modelling Using Wrapper Feature Selection. Sustainability 2022, 14, 11403. https://doi.org/10.3390/su141811403 FI, 3,889 , 50*FI/10=19,45 **(30 + 40 x 3.889)/10= 18.55**
62. Hashim, N.M.; Noor, N.M.; Ul-Saufie, A.Z.; Sandu, A.V.; Vizureanu, P.; Deák, G.; Kheimi, M. Forecasting Daytime Ground-Level Ozone Concentration in Urbanized Areas of Malaysia Using Predictive Models. Sustainability 2022, 14, 7936. https://doi.org/10.3390/su14137936 FI. 3,889 , **(30 + 40 x 3.889)/7= 26.51**
63. Yong-Sing, N.; Yun-Ming, L.; Cheng-Yong, H.; Abdullah, M.M.A.B.; Pakawanit, P.; Vizureanu, P.; Khalid, M.S.; Hui-Teng, N.; Yong-Jie, H.; Nabiałek, M.; Pietrusiewicz, P.; Garus, S.; Sochacki, W.; Śliwa, A. Improvements of Flexural Properties and Thermal Performance in Thin Geopolymer Based on Fly Ash and Ladle Furnace Slag Using Borax Decahydrates. Materials 2022, 15, 4178. https://doi.org/10.3390/ma15124178 F.I. 3.748 50*FI/14=13,39 **(30 + 40 x 3.748)/14= 12.85**
64. Huzaim, N.H.M.; Rahim, S.Z.A.; Musa, L.; Abdellah, A.E.-h.; Abdullah, M.M.A.B.; Rennie, A.; Rahman, R.; Garus, S.; Błoch, K.; Sandu, A.V.; Vizureanu, P.; Nabiałek, M. Potential of Rapid Tooling in Rapid Heat Cycle Molding: A Review. Materials 2022, 15, 3725. https://doi.org/10.3390/ma15103725 F.I. 3.748 **(30 + 40 x 3.748)/11= 16.36**
65. Tahir, M.F.M.; Abdullah, M.M.A.B.; Rahim, S.Z.A.; Mohd Hasan, M.R.; Sandu, A.V.; Vizureanu, P.; Ghazali, C.M.R.; Kadir, A.A. Mechanical and Durability Analysis of Fly Ash Based Geopolymer with Various Compositions for Rigid Pavement Applications. Materials 2022, 15, 3458. https://doi.org/10.3390/ma15103458 F.I. 3.748 **(30 + 40 x 3.748)/8= 22.49**
66. Yusof, M.F.; Zainol, M.R.R.M.A.; Sandu, A.V.; Riahi, A.; Zakaria, N.A.; Shaharuddin, S.; Aziz, M.S.A.; Mohamed Noor, N.; Vizureanu, P.; Zawawi, M.H.; Ikhsan, J. Clean Water Production Enhancement through the Integration of Small-Scale Solar Stills with Solar Dish Concentrators (SDCs)—A Review. Sustainability 2022, 14, 5442. https://doi.org/10.3390/su14095442 FI. 3,889 , **(30 + 40 x 3.889)/11= 16.87**
67. Ramli, M.I.I.; Salleh, M.A.A.M.; Abdullah, M.M.A.B.; Aziz, I.H.; Ying, T.C.; Shahedan, N.F.; Kockelmann, W.; Fedrigo, A.; Sandu, A.V.; Vizureanu, P.; Chaiprapa, J.; Burduhos Nergis, D.D. The Influence of Sintering Temperature on the Pore Structure of an A kali-Activated Kaolin-Based Geopolymer Ceramic. Materials 2022, 15, 2667. https://doi.org/10.3390/ma15072667 F.I. 3.748 **(30 + 40 x 3.748)/12= 14.99**
68. Zaimi, N.S.M.; Salleh, M.A.A.M.; Abdullah, M.M.A.-B.; Nadzri, N.I.M.; Sandu, A.V.; Vizureanu, P.; Ramli, M.I.I.; Nogita, K.; Yasuda, H.; Sandu, I.G. Effect of Kaolin Geopolymer Ceramics Addition on the Microstructure and Shear Strength of Sn-3.0Ag-0.5Cu Solder Joints during Multiple Reflow. Materials 2022, 15, 2758. https://doi.org/10.3390/ma15082758 F.I. 3.748 **(30 + 40 x 3.748)/9= 19.99**
69. Aziz, I.H.; Abdullah, M.M.A.B.; Salleh, M.A.A.M.; Ming, L.Y.; Li, L.Y.; Sandu, A.V.; Vizureanu, P.; Nemes, O.; Mahdi, S.N. Recent Developments in Steelmaking Industry and Potential Alkali Activated Based Steel Waste: A Comprehensive Review. Materials 2022, 15, 1948. https://doi.org/10.3390/ma15051948 F.I. 3.748 50*FI/8=23,43 **(30 + 40 x 3.748)/8= 22.49**
70. Baltatu, I.; Sandu, A.V.; Vlad, M.D.; Spataru, M.C.; Vizureanu, P.; Baltatu, M.S. Mechanical Characterization and In Vitro Assay of Biocompatible Titanium Alloys. Micromachines 2022, 13, 430. https://doi.org/10.3390/mi13030430 F.I. 3,523 **(30 + 40 x 3.523)/6= 28.49**
71. Ramli, M.I.I.; Salleh, M.A.A.M.; Abdullah, M.M.A.B.; Zaimi, N.S.M.; Sandu, A.V.; Vizureanu, P.; Rylski, A.; Amli, S.F.M. Formation and Growth of Intermetallic Compounds in Lead-Free Solder Joints: A Review. Materials 2022, 15, 1451. https://doi.org/10.3390/ma15041451 F.I. 3.748 **(30 + 40 x 3.748)/8= 22.49**
72. Zailan, S.N.; Mahmed, N.; Abdullah, M.M.A.B.; Rahim, S.Z.A.; Halin, D.S.C.; Sandu, A.V.; Vizureanu, P.; Yahya, Z. Potential Applications of Geopolymer Cement-Based Composite as Self-Cleaning Coating: A Review. Coatings 2022, 12, 133. https://doi.org/10.3390/coatings12020133 F..I. 3,236 **(30 + 40 x 3.236)/8= 19.93**
73. Abdila, S.R.; Abdullah, M.M.A.B.; Ahmad, R.; Burduhos Nergis, D.D.; Rahim, S.Z.A.; Omar, M.F.; Sandu, A.V.; Vizureanu, P.; Syafwandi. Potential of Soil Stabilization Using Ground Granulated Blast Furnace Slag (GGBFS) and Fly Ash via Geopolymerization Method: A Review. Materials 2022, 15, 375. https://doi.org/10.3390/ma15010375 F.I. 3.748 **(30 + 40 x 3.748)/8= 22.49**
74. Azimi, Emy Aizat; Salleh, M. A. A. Mohd; Abdullah, Mohd Mustafa Al Bakri; Aziz, Ikmal Hakem A.; Hussin, Kamarudin; Chaiprapa, Jitrin; Vizureanu, Petrica; Yoriya, Sorachon; Nabialek, Marcin; Wyslocki, Jerzy J. EFFECT OF NAOH MOLAR CONCENTRATION ON MICROSTRUCTURE AND COMPRESSIVE STRENGTH OF DOLOMITE/FLY ASH-BASED GEOPOLYMERS. ARCHIVES OF METALLURGY AND MATERIALS. 2022, 67(3), 993-998. DOI: https://doi.org/10.24425/amm.2022.139693 F.I. 0,633 **(30 + 40 x 0.633)/10= 5.523**

75. Baltatu, I; Sandu, AV; Baltatu, MS; Benchea, M; Achitei, DC; Ciolacu, F; Perju, MC; Vizureanu, P; Benea, L. STRUCTURAL AND PHYSICAL CHARACTERIZATION OF NEW Ti-BASED ALLOYS. ARCHIVES OF METALLURGY AND MATERIALS. 2022, 67(1), 255-259. DOI: https://doi.org/10.24425/amm.2022.137499 F.I. 0.633 **(30 + 40 x 0.633)/9= 6.15**
76. Burduhos Nergis, D.D.; Vizureanu, P.; Sandu, A.V.; Burduhos Nergis, D.P.; Bejinariu, C. XRD and TG-DTA Study of New Phosphate-Based Geopolymers with Coal Ash or Metakaolin as Aluminosilicate Source and Mine Tailings Addition. Materials 2022, 15, 202. https://doi.org/10.3390/ma15010202 F.I. 3.748 **(30 + 40 x 3.748)/5= 35.98**
77. Ibrahim, M; Ibrahim, WMW; Al, MM; Sauffi, AS; Vizureanu, P. EFFECT OF SOLID-TO-LIQUIDS AND Na2SiO3-TO-NaOH RATIO ON METAkAOLIN MEMBRANE GEOpOLyMERS. ARCHIVES OF METALLURGY AND MATERIALS. 2022, 67(2), 695-702. DOI: https://doi.org/10.24425/amm.2022.137808 F.I. 0.633 **(30 + 40 x 0.633)/4= 13.83**
78. Minciuna, MG; Vizureanu, P; Jez, B; Sindu, AV; Nabialek, M; Achitei, DC. CORRELATION BETWEEN MICROSTRUCTURE AND ELECTROCHEMICAL PROPERTIES OF Al-Si ALLOYS. ARCHIVES OF METALLURGY AND MATERIALS. 2022, 67(3), 1067-1070. DOI: https://doi.org/10.24425/amm.2022.139704 F.I. 0.633 **(30 + 40 x 0.633)/6= 9.22**
79. Nergis, DDB; Vizureanu, P; Lupescu, S; Nergis, DPB; Perju, MC; Sandu, AV. MICROSTRUCTURAL ANALYSIS OF AMBIENT CURED PHOSPHATE BASED-GEOPOLYMERS WITH COAL-ASH AS PRECURSOR. ARCHIVES OF METALLURGY AND MATERIALS. 2022, 67(2), 595-600. DOI: https://doi.org/10.24425/amm.2022.137795 F.I. 0.633 **(30 + 40 x 0.633)/6= 9.22**
80. Perju, MC; Nejneru, C; Vizureanu, P; Aelenei, AA; Sandu, AV; Sachelarie, L; Nabialek, M. SOME ASPECTS CONCERNING TITANIUM COVERAGE WITH HYDROxYAPATITE. ARCHIVES OF METALLURGY AND MATERIALS. 2022, 67(2), 521-527. DOI: https://doi.org/10.24425/amm.2022.137785 F.I. 0.633 **(30 + 40 x 0.633)/7= 7.91**
81. Voiculescu, I; Geanta, V; Chereches, T; Vizureanu, P; Stefanoiu, R; Rotariu, A; Mitrica, D., IMPACT BEHAVIOR OF THE BALLISTIC TARGETS PACKAGE COMPOSED OF DYNEEMA POLYMER AND HIGH ENTROPY ALLOY STRUCTURES. ARCHIVES OF METALLURGY AND MATERIALS. 2022, 67(2), 569-576. DOI: https://doi.org/10.24425/amm.2022.137792 F.I. 0.633 **(30 + 40 x 0.633)/7= 7.91**
82. Baltatu M.S., Tugui C.A., Perju M.C., Benchea M., Spataru M.C., Sandu A.V., Vizureanu P., Biocompatible Titanium Alloys used in Medical Applications, REV.CHIM.,70, No. 4, Published: 2019, pag. 1302-1306, F.I.: 1,755. **(30 + 40 x 1.755)/7= 14.31**
83. Baltatu, M.S.; Vizureanu, P.; Sandu, A.V.; Solcan, C.; Hritcu, L.D.; Spataru, M.C. Research Progress of Titanium-Based Alloys for Medical Devices. Biomedicines 2023, 11, 2997. https://doi.org/10.3390/biomedicines11112997 **(30+40 x 4.6)/6= 35,66**
84. Garus, S.; Sochacki, W; Garus, J ; Rzacki, J; Vizureanu, P; Sandu, AV, Transmission of a Phononic Superlattice Made of Dynamic Materials, ACTA PHYSICA POLONICA A, Volume 144, Issue 5, Page 317-321, DOI10.12693/APhysPolA.144.317 **(30+40 x 0,7)/6= 9,66**
85. Baltatu, M.S.; Vizureanu, P.; Sandu, A.V. Special Issue on Modern Biomaterials: Latest Advances and Prospects. Appl. Sci. 2023, 13, 11450. https://doi.org/10.3390/app132011450 **(30+40 x 2.7)/3= 46**
86. Nurul Aqilah Mohamad , Sofiah Hamzah EMAIL logo , Nur Hanis Hayati Hairom , Mohd Salleh Amri Zahid , Khairol Annuar Mohd Ali , Che Mohd Ruzaidi Ghazali , Andrei Victor Sandu EMAIL logo , Mohd Mustafa al Bakri Abdullah, Petrica Vizureanu, Poly-ferric sulphate as superior coagulant: A review on preparation methods and properties, REVIEWS ON ADVANCED MATERIALS SCIENCE, https://doi.org/10.1515/rams-2022-0327 **(30+40 x 3,6)/9= 19,33**
87. Mustapa, N.B.; Ahmad, R.; Al Bakri Abdullah, M.M.; Ibrahim, W.M.W.; Sandu, A.V.; Nemes, O.; Vizureanu, P.; Kartikowati, C.W.; Risdanareni, P. Effect of the Sintering Mechanism on the Crystallization Kinetics of Geopolymer-Based Ceramics. Materials 2023, 16, 5853. https://doi.org/10.3390/ma16175853 **(30+40 x 3,4)/9= 18,44**
88. Oláh, A.; Machedon-Pisu, T.; Vizureanu, P. Wearing Resistance of Metal Coating Layers after Laser Beam Heat Treatment. Coatings 2023, 13, 1645. https://doi.org/10.3390/coatings13091645 **(30+40 x 3,4)/3= 55,33**
89. Dumitru Doru Burduhos-Nergis, Petrica Vizureanu, Andrei Victor Sandu, Nicanor Cimpoeşu, MECHANICAL PERFORMANCE OF FLY ASH BLENDED GEOPOLYMER COMPOSITE REINFORCED WITH RECYCLED GLASS FIBERS, Environmental Engineering and Management Journal August 2023, Vol. 22, No. 8, 1329-1339, http://www.eemj.icpm.tuiasi.ro/; http://www.eemj.eu, http://doi.org/10.30638/eemj.2023.110 **(30+40 x 1,1)/4= 18,5**
90. Jimenez-Marcos, C.; Mirza-Rosca, J.C.; Baltatu, M.S.; Vizureanu, P. Effect of Si Contents on the Properties of Ti15Mo7ZrxSi Alloys. Materials 2023, 16, 4906. https://doi.org/10.3390/ma16144906 **(30+40 x 3,4)/4= 41,5**
91. Kong, L.; Heydari, Z.; Lami, G.H.; Saberi, A.; Baltatu, M.S.; Vizureanu, P. A Comprehensive Review of the Current Research Status of Biodegradable Zinc Alloys and Composites for Biomedical Applications. Materials 2 023, 16, 4797. https://doi.org/10.3390/ma16134797 **(30+40 x 3,4)/6= 27,66**
92. Wei, L.K.; Abd Rahim, S.Z.; Al Bakri Abdullah, M.M.; Yin, A.T.M.; Ghazali, M.F.; Omar, M.F.; Nemeș, O.; Sandu, A.V.; Vizureanu, P.; Abdellah, A.E.-h. Producing Metal Powder from Machining Chips Using Ball Milling Process: A Review. Materials 2023, 16, 4635. https://doi.org/10.3390/ma16134635 **(30+40 x 3,4)/10= 16,6**
93. Lai, Di Sheng, Osman, Azlin Fazlina, Adnan, Sinar Arzuria, Ibrahim, Ismail, Sandu, Andrei Victor, Rahim, Shayfull Zamree Abd and Vizureanu, Petrica. "The role of natural hybrid nanobentonite/nanocellulose in enhancing the water resistance properties of the biodegradable thermoplastic starch" e-Polymers, vol. 23, no. 1, 2023, pp. 20230014. https://doi.org/10.1515/epoly-2023-0014 **(30+40 x 3,7)/7= 25,42**
94. Amli, S.F.M.; Salleh, M.A.A.M.; Aziz, M.S.A.; Yasuda, H.; Nogita, K.; Abdullah, M.M.A.B.; Nemes, O.; Sandu, A.V.; Vizureanu, P. Effects of Multiple Reflow on the Formation of Primary Crystals in Sn-3.5Ag and Solder Joint Strength: Experimental and Finite Element Analysis. Materials 2023, 16, 4360. https://doi.org/10.3390/ma16124360 **(30+40 x 3,4)/9= 18,44**
95. Mustapa, N.B.; Ahmad, R.; Ibrahim, W.M.W.; Abdullah, M.M.A.B.; Wattanasakulpong, N.; Nemeș, O.; Sandu, A.V.; Vizureanu, P.; Sandu, I.G.; Kartikowati, C.W.; et al. Effect of Sintering Mechanism towards Crystallization of Geopolymer Ceramic—A Review. Materials 2023, 16, 4103.

https://doi.org/10.3390/ma16114103 **(30+40 x 3,4)/11= 15,09**

96. Nejneru, C.; Cimpoesu, R.; Vizureanu, P.; Epure, E.-L.; Perju, M.C.; Lupescu, Ș.-C. Study on the Thermal Fatigue Effect of Carboxymethylcellulose Solution Media Dissolved in Water as a Quenching Cooling Medium. Appl. Sci. 2023, 13, 6021. https://doi.org/10.3390/app13106021 **(30+40 x 2,7)/6= 23**
97. Benea, L.; Ravoiu Lupu, A.; Bounegru, I.; Vizureanu, P. Effect of Functional Nanoporous TiO2 Film Obtained on Ti6Al4V Implant Alloy to Improve Resistance in Biological Solution for Inflammatory Conditions. Int. J. Mol. Sci. 2023, 24, 8529. https://doi.org/10.3390/ jms24108529 IF:5,6 **(30+40 x 5,6)/4= 63,5**
98. Lates, C.G.; Dumitras, C.G.; Vizureanu, P.; Sandu, A.V. Heat Transfer Optimization of an Electronic Control Unit Immersed in Forced Liquid Coolant. Appl. Sci. 2023, 13, 5310. https://doi.org/10.3390/app13095310 IF:2,7 **(30+40 x 2,7)/4= 34,5**
99. Saleh, S.S.M.; Omar, M.F.; Akil, H.M.; Kudus, M.H.A.; Abdullah, M.M.A.B.; Sandu, A.V.; Vizureanu, P.; Halim, K.A.A.; Rasidi, M.S.M.; Mahamud, S.N.S.; et al. Preparation of Carbon Nanotubes/Alumina Hybrid-Filled Phenolic Composite with Enhanced Wear Resistance. Materials 2023, 16, 2772. https://doi.org/10.3390/ma16072772 IF:3,4 **(30+40 x 3,4)/12= 13,83**
100. Chiriac, G.-G.; Dumitraș, C.G.; Chitariu, D.F.; Vizureanu, P.; Sandu, A.V. Influence of Gravity on Passively Cooled Heat Sink Using Experimental Data and Finite Element Analysis. Processes 2023, 11, 896. https://doi.org/10.3390/pr11030896 IF:3,5 **(30+40 x 3,5)/5= 34**
101. Hashim, A.N.; Salleh, M.A.A.M.; Ramli, M.M.; Abdullah, M.M.A.B.; Sandu, A.V.; Vizureanu, P.; Sandu, I.G. Effect of Isothermal Annealing on Sn Whisker Growth Behavior of Sn0.7Cu0.05Ni Solder Joint. Materials 2023, 16, 1852. https://doi.org/10.3390/ma16051852 IF:3,4 **(30+40 x 3,4)/7= 23,71**
102. Savinkin, V.V.; Ivanova, O.V.; Zhumekenova, Z.Z.; Sandu, A.V.; Vizureanu, P. Effect of New Design of the Laser Installation and Spraying Method on the Physical and Mechanical Properties the Inner Surface a Small Diameter Coated with 15Cr17Ni12V3F35ZrO2. Coatings 2023, 13, 514. https://doi.org/10.3390/coatings13030514 IF:3,4 **(30+40 x 3,4)/5= 33,2**
103. Aziz, I.H.A.; Abdullah, M.M.A.B.; Razak, R.A.; Yahya, Z.; Salleh, M.A.A.M.; Chaiprapa, J.; Rojviriya, C.; Vizureanu, P.; Sandu, A.V.; Tahir, M.F.; et al. Mechanical Performance, Microstructure, and Porosity Evolution of Fly Ash Geopolymer after Ten Years of Curing Age. Materials 2023, 16, 1096. https://doi.org/10.3390/ma16031096 IF:3,4 **(30+40 x 3,4)/12= 13,83**
104. Ibrahim, W.M.A.W.; Abdullah, M.M.A.B.; Jamil, N.H.; Mohamad, H.; Salleh, M.A.A.M.; Sandu, A.V.; Vizureanu, P.; Baltatu, M.S.; Sukmak, P. Alkaline-Activation Technique to Produce Low-Temperature Sintering Activated-HAp Ceramic. Appl. Sci. 2023, 13, 2643. https://doi.org/10.3390/app13042643 IF:2,7 **(30+40 x 2,7)/9= 15,33**
105. Jamaludin, L.; Razak, R.A.; Al Bakri Abdullah, M.M.; Vizureanu, P.; Sandu, A.V.; Abd Rahim, S.Z.; Ahmad, R. Solid-to-Liquid Ratio Influenced on Adhesion Strength of Metakaolin Geopolymer Coating Paste Added Photocatalyst Materials. Coatings 2023, 13, 236. https://doi.org/10.3390/coatings13020236 **(30+40 x 3,4)/7= 23,71**
106. Luhar, I.; Luhar, S.; Abdullah, M.M.A.B.; Sandu, A.V.; Vizureanu, P.; Razak, R.A.; Burduhos-Nergis, D.D.; Imjai, T. Solidification/Stabilization Technology for Radioactive Wastes Using Cement: An Appraisal. Materials 2023, 16, 954. https://doi.org/10.3390/ma16030954 **(30+40 x 3,4)/8= 20,75**
107. Mydin, M.A.O.; Abdullah, M.M.A.B.; Razak, R.A.; Nawi, M.N.M.; Risdanareni, P.; Puspitasari, P.; Sandu, A.V.; Baltatu, M.S.; Vizureanu, P. Study on Polypropylene Twisted Bundle Fiber Reinforced Lightweight Foamed Concrete. Buildings 2023, 13, 541. https://doi.org/10.3390/buildings13020541 IF:3,8 **(30+40 x 3,8)/9=20,22**
108. Redzuan, S.N.; Noor, N.M.; Rahim, N.A.A.A.; Jafri, I.A.M.; Baidrulhisham, S.E.; Ul-Saufie, A.Z.; Sandu, A.V.; Vizureanu, P.; Zainol, M.R.R.M.A.; Deák, G. Characteristics of PM10 Level during Haze Events in Malaysia Based on Quantile Regression Method. Atmosphere 2023, 14, 407. https://doi.org/10.3390/atmos14020407 IF:2,9 **(30+40 x 2,9)/10=14,6**
109. Axinte, M.; Vizureanu, P.; Cimpoesu, N.; Nejneru, C.; Burduhos-Nergis, D.-P.; Epure, E.-L. Analysis of Physicochemical Properties of W1.8507 Steel Parts with Sharp Edges, Thermochemically Treated by Plasma Nitriding with and without Polarized Screens. Coatings 2023, 13, 177. https://doi.org/10.3390/coatings13010177 IF:3,4 **(30+40 x 3,4)/6= 27,66**
110. D.D. Burduhos-Nergis, P. Vizureanu, D.C. Achitei, A.V. Sandu, D.P. Burduhos-Nergis, M.M.A.B. Abdullah, THE INFLUENCE OF SINTERING TEMPERATURE ON THE MICROSTRUCTURE OF COAL-ASH BASED GEOPOLYMERS, Arch. Metall. Mater. 68 (2023), 2, 631-637, DOI: https://doi.org/10.24425/amm.2023.142444 IF:0,6 corresponding author **(30+40 x 0,6)/6= 9**
111. D.-P. Burduhos-Nergis, C. Bejinariu, A.M. Cazac, A.V. Sandu, P. Vizureanu, XRD and STA Characterization of Phosphate Layers Deposited on the Carbon Steel Surface, Arch. Metall. Mater. 68 (2023), 3, 955-960, DOI: https://doi.org/10.24425/amm.2023.145459 IF:0,6 **(30+40 x 0,6)/5= 10,8**
112. D.-P. Burduhos-Nergis, A.V. Sandu, D.-D. Burduhos-Nergis, P. Vizureanu, C. Bejinariu, Phosphate Conversion Coating – A Short Review, Arch. Metall. Mater. 68 (2023), 3, 1029-1034, DOI: https://doi.org/10.24425/amm.2023.145471 IF:0,6 **(30+40 x 0,6)/5= 10,8**
113. Burduhos-Nergis, DD; Vizureanu, P; Baltatu, MS; Sandu, AV; Burduhos-Nergis, DP, A BIBLIOMETRIC ANALYSIS OF RESEARCH ON FIBER REINFORCED GEOPOLYMER COMPOSITES, UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN SERIES B-CHEMISTRY AND MATERIALS SCIENCE, 2023, Volume 85, Issue 1, Page 129-138. IF:0,5 **(30+40 x 0,5)/5= 10**
114. Che Halin, D.S.; Azhari, A.W.; Mohd Salleh, M.A.A.; Muhammad Nadzri, N.I.; Vizureanu, P.; Abdullah, M.M.A.B.; Wahab, J.A.; Sandu, A.V. Metal-Doped TiO2 Thin Film as an Electron Transfer Layer for Perovskite Solar Cells: A Review. Coatings 2023, 13, 4. https://doi.org/10.3390/coatings13010004 IF:3,4 **(30+40 x 3,4)/8= 20,75**
115. Krishnamoorthy, U.; Gandhi Ayyavu, P.; Panchal, H.; Shanmugam, D.; Balasubramani, S.; Al-rubaie, A.J.; Al-khaykan, A.; Oza, A.D.; Hembrom, S.; Patel, T.; Vizureanu, P. et al. Efficient Battery Models for Performance Studies-Lithium Ion and Nickel Metal Hydride Battery. Batteries 2023, 9, 52. https://doi.org/10.3390/batteries9010052 IF:4 **(30+40 x 4)/12= 15,83**
116. Magiswaran, K.; Norizan, M.N.; Mahmed, N.; Mohamad, I.S.; Idris, S.N.; Sabri, M.F.M.; Amin, N.; Sandu, A.V.; Vizureanu, P.; Nabiałek, M.; et al. Controlling the Layer Thickness of Zinc Oxide Photoanode and the Dye-Soaking Time for an Optimal-Efficiency Dye-Sensitized Solar Cell. Coatings 2023, 13, 20. https://doi.org/10.3390/coatings13010020 IF:3,4 **(30+40 x 3,4)/11= 15,09**

117. Mubarokah, Z.R.; Mahmed, N.; Norizan, M.N.; Mohamad, I.S.; Abdullah, M.M.A.B.; Błoch, K.; Nabiałek, M.; Baltatu, M.S.; Sandu, A.V.; Vizureanu, P. Near-Infrared (NIR) Silver Sulfide (Ag2S) Semiconductor Photocatalyst Film for Degradation of Methylene Blue Solution. Materials 2023, 16, 437. https://doi.org/10.3390/ma16010437 IF:3,4 **(30+40 x 3,4)/10= 16,6**
118. M.C. Perju, C. Nejneru, D.D. Burduhos-Nergis, P. Vizureanu, M.G. Minciuna, A.V. Sandu, Study of the Effect of Intensity of Vibrations and Temperature on the Cooling Characteristics of Quenching Media, Arch. Metall. Mater. 68 (2023), 3, 997-1002, DOI: https://doi.org/10.24425/amm.2023.145466. IF:0,6 **(30+40 x 0,6)/6= 9**
119. Roduan, S.F.; Wahab, J.A.; Salleh, M.A.A.M.; Mahayuddin, N.A.H.M.; Abdullah, M.M.A.B.; Halil, A.B.M.; Zaifuddin, A.Q.S.; Muhammad, M.I.; Sandu, A.V.; Baltatu, M.S.; Vizureanu, P. Effectiveness of Dimple Microtextured Copper Substrate on Performance of Sn-0.7Cu Solder Alloy. Materials 2023, 16, 96. https://doi.org/10.3390/ma16010096 IF:3,4 **(30+40 x 3,4)/11= 15,09**
120. Selvan, M.; Abdul Aziz, M.S.; Salleh, M.A.A.M.; Sharif, N.M.; Khor, C.Y.; Ong, H.P.; Zainol, M.R.R.M.A.; Vizureanu, P.; Burduhos-Nergis, D.-P.; Sandu, A.V. Influence of Fin Thickness on the Thermal Performance and Selection of Coating Method for a Bus Duct Conductor. Coatings 2023, 13, 12. https://doi.org/10.3390/coatings13010012 IF:3,4 **(30+40 x 3,4)/10= 16,6**
121. Wattanapanich, C.; Imjai, T.; Garcia, R.; Rahim, N.L.; Abdullah, M.M.A.B.; Sandu, A.V.; Vizureanu, P.; Matasaru, P.D.; Thomas, B.S. Computer Simulations of End-Tapering Anchorages of EBR FRP-Strengthened Prestressed Concrete Slabs at Service Conditions. Materials 2023, 16, 851. https://doi.org/10.3390/ma16020851 IF:3,4 **(30+40 x 3,4)/9= 18,44**
122. Hashim, A.N.; Salleh, M.A.A.M.; Ramli, M.M.; Abdullah, M.M.A.; Sandu, A.V.; Vizureanu, P. The behavior of Sn whisker growth on Sn-0.7Cu-0.05Ni solder joint during thermal cycling, JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, 2024, 35, 32, Article Number 2059, DOI: 10.1007/s10854-024-13805-9 F.I. 2.8 **(30 + 40 x 2.8)/6= 23.6**
123. Vizureanu, P.; Deák, G.; Burduhos Nergis, D.D.; Sandu, A.V. Remedial Solutions And Conservation Of Marine Environments: A Review, INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE, 2024, 15, 4, p. 1841 - 1854, DOI: 10.36868/IJCS.2024.04.16 F.I. 0.6 **(30 + 40 x 0.6)/4= 13.5**
124. Azani, A.; Halin, D.S.C.; Salleh, M.A.A.M.; Razak, K.A.; Abdullah, M.M.A.; Ramli, M.M.; Vizureanu, P.; Razak, M.F.S.A.; Sandu, A.V.; Mohamad, N., Surface Modification of GO/TiO2 Thin Film by Sodium Dodecyl Sulphate for Photocatalytic Applications, JOM, 2024, DOI10.1007/s11837-024-06694-0 F.I. 2.1 **(30 + 40 x 2.1)/10= 11,40**
125. Saberi, A.; Baltatu, M.S.; Vizureanu, P. Recent Advances in Magnesium–Magnesium Oxide Nanoparticle Composites for Biomedical Applications. Bioengineering 2024, 11, 508. https://doi.org/10.3390/bioengineering11050508 **(30+40 x 3,8)/3= 60,66**
126. Saberi, A.; Baltatu, M.S.; Vizureanu, P. The Effectiveness Mechanisms of Carbon Nanotubes (CNTs) as Reinforcements for Magnesium-Based Composites for Biomedical Applications: A Review. Nanomaterials 2024, 14, 756. https://doi.org/10.3390/nano14090756 **(30+40 x 4,4)/3= 68,66**
127. Baltatu, M.S.; Vizureanu, P.; Sandu, A.V. Advances in New Functional Biomaterials for Medical Applications. Crystals 2024, 14, 334. https://doi.org/10.3390/cryst14040334 **(30+40 x 2,4)/3= 42,00**
128. Ilieva, D.; Angelova, L.; Radoykova, T.; Surleva, A.; Chernev, G.; Vizureanu, P.; Burduhos-Nergis, D.D.; Sandu, A.V. Characterization of Bulgarian Copper Mine Tailing as a Precursor for Obtaining Geopolymers. MATERIALS 2024, 17, 542. https://doi.org/10.3390/ma17030542 F.I.:3.1 **(30 + 40 x 3.1)/8 =19.2**
129. Rosnita Mohamed, Rafiza Abd Razak, Mohd Mustafa Al Bakri Abdullah, Shayfull Zamree Abd Rahim, Nurul Aida Mohd Mortar, Jitrin Chaiprapa, Somchai Tancharakorn, Md Azree Othuman Mydin, Petrica Vizureanu, Elucidation on a kali activation of slag with various solid-to-liquid ratios via heat evolution, Journal of Building Engineering, Volume 84, 2024, 108639, ISSN 2352-7102, https://doi.org/10.1016/j.jobe.2024.108639. F.I.: 6.7 **(30 + 40 x 6.7)/9 =33,11**
130. L. Tóth, R.E. Fábián, P. Pinke, T.A. Kovács, M. Nabiałek, A.V. Sandu, P. Vizureanu, Comparison of the Properties of Cold Work Tool Steels with the Same Hardness but Different Manufacturing Processes The required important properties, ARCHIVES OF METALLURGY AND MATERIALS, 69, 3, 2024, 809-817, DOI: https://doi.org/10.24425/amm.2024.150900 . F.I. 0.7 **(30 + 40 x 0.7)/7 = 8,30**
131. Anuar, AI; Parimin, N; Ahad, NA; Derman, MN; Garus, S; Vizureanu, P, HIGH TEMPERATURE ISOTHERMAL OXIDATION AT 950°C OF Ni-BASED Fe-40Ni-24Cr ALLOY, ARCHIVES OF METALLURGY AND MATERIALS, Volume 69, Issue 3, Page 1191-1198, DOI10.24425/amm.2024.150942, F.I. 0.7 **(30 + 40 x 0.7)/6 = 9,66**
132. Zaiton, N. A. Z., Parimin, N., Hayazi, N. F., Zainal, F. F., Garus, S., Vizureanu, P., EFFECT OF HEAT TREATMENT TEMPERATURE ON ISOTHERMAL OXIDATION OF Ni-BASED Fe-33Ni-19Cr ALLOY, ARCHIVES OF METALLURGY AND MATERIALS, Volume 69, Issue 2, Page 747-752, DOI10.24425/amm.2024.149806 F.I. 0.7 **(30 + 40 x 0.7)/6 = 9,66**
133. Vizureanu, P. Future Trends in Advanced Materials and Processes. Materials 2022, 15, 6554. https://doi.org/10.3390/ma15196554 F.I. 3.1 **(30 + 40 x 3.1)/1= 154**
134. Halin, D.S.C., Abidin, A.S.Z., Azani, A., Salleh, M.A.A.M., Razak, K.A., Abdullah, M.M.A.B., Ramli, M.M., Sandu, A.V., Vizureanu, P., Kaczmarek, L., Synthesis of Zn/TiO2 Thin Films for Self-Cleaning Applications, ACTA PHYSICA POLONICA A 2022, 142, 1, 164-167. DOI10.12693/APhysPolA.142.164 F.I.:0.5 **(30 + 40 x 0.5)/10= 5**
135. Vizureanu, P. Surface Treatment of Metals. Coatings 2022, 12, 560. https://doi.org/10.3390/coatings12050560 F.I. 2.9 **(30 + 40 x 2.9)/1= 146**
136. V.V. SAVINKIN, Z.Z. ZHUMEKENOVA, A.V. SANDU, P. VIZUREANU, S.V. SAVINKIN, S.N. KOLISNICHENKO, O.V. IVANOVA, Study of Wear and Redistribution Dynamic Forces of Wheel Pairs Restored by a Wear-Resistant Coating 15Cr17Ni12V3F, COATINGS, 11(12), 2021, Article Number 1441, DOI 10.3390/coatings11121441 (Corresponding author) F.I. 2.9 **(30 + 40 x 2.9)/7= 20.9**
137. A. HEGYI, H. SZILAGYI, E. GREBENISAN, A.V. SANDU, A.V. LAZARESCU, C. ROMILA, Influence of TiO(2)Nanoparticles Addition on the Hydrophilicity of Cementitious Composites Surfaces, APPLIED SCIENCES-BASEL, 10, 13, 2020, 4501, DOI: 10.3390/app10134501. FI: 2.5 **(30 + 40 x 2.5)/6= 21.7**
138. V.V. SAVINKIN, A.V. SANDU, T.Y. RATUSHNAYA, P. VIZUREANU, S.V. KOLISNICHENKO, M.S. OMAROV, Study Of Redistribution Of The Oil Complex Power Drive Ffectiveness For Marginal Wells When Installing Construction Of Recuperative Action Electro Hydro Cylinder, BULLETIN OF THE

	TOMSK POLYTECHNIC UNIVERSITY-GEO ASSETS ENGINEERING, 332, 2, 2021, pp. 229-244, DOI 10.18799/24131830/2021/02/3058 F.I. 0.6 **(30 + 40 x 0.6)/6= 9,0** 139. Jimenez-Marcos, C.; Mirza-Rosca, J.C.; Baltatu, M.S.; Vizureanu, P. Preliminary studies of new heat-treated titanium alloys for use in medical equipment. Results in Engineering 2025, 25, 104477. https://doi.org/10.1016/j.rineng.2025.104477. IF = 7.9. **(30 + 40 × 7.9)/4 = 86,50 p** 140. Jimenez-Marcos, C.; Mirza-Rosca, J.C.; Baltatu, M.S.; Vizureanu, P. Two novel Ti-Mo-Ta-Zr alloys for medical devices: Their microstructure, corrosion resistance and microhardness characteristics. Materials Chemistry and Physics 2025, 334, 130511. https://doi.org/10.1016/j.matchemphys.2025.130511. IF = 4.7. **(30 + 40 × 4.7)/4 = 54,50 p** 141. Baser, M.F.H.; Salleh, M.A.A.M.; Said, R.M.; Zaimi, N.S.M.; Tancharakorn, S.; Tanthanuch, W.; Mothong, N.; Vizureanu, P.; Sandu, A.V. Effect of indium on interfacial intermetallic compound (IMC) growth, thermal behaviour and mechanical properties of Sn-10Cu-xIn solder joints under multiple reflow cycles. Materials Chemistry and Physics 2026, 349, 131748. https://doi.org/10.1016/j.matchemphys.2025.131748. IF = 4.7. **(30 + 40 × 4.7)/9 = 24,22 p** 142. Rahim, N.A.A.A.; Noor, N.M.; Jafri, I.A.M.; Ul-Saufie, A.Z.; Kamaruddin, M.A.; Zainol, M.R.R.M.A.; Sandu, A.V.; Vizureanu, P.; Deak, G. Modelling particulate matter (PM10) variations during transboundary haze events using a modified quantile regression approach. Analytical Science Advances 2025, 6, 70027. https://doi.org/10.1002/ansa.70027. IF = 4.1. **(30 + 40 × 4.1)/9 = 21,56 p** 143. Perju, M.-C.; Epure, E.-L.; Nejneru, C.; Cimpoesu, R.; Vizureanu, P.; Sandu, A.V. Influence of temperature on properties of the carboxymethyl cellulose. Archives of Metallurgy and Materials 2025, 70, 1843–1849. https://doi.org/10.24425/amm.2025.156271. IF = 0.7. **(30 + 40 × 0.7)/6 = 9,67 p** 144. Nergis, D.D.B.; Vizureanu, P.; Deak, G.; Tudor, G.; Sandu, A.V. Intelligent filtration method for marine pollution decontamination. International Journal of Conservation Science 2025, 16, 1993–2002. https://doi.org/10.36868/IJCS.2025.04.26. IF = 0.8. **(30 + 40 × 0.8)/5 = 12,40 p** 145. Yaacob, N.A.; Abdullah, M.M.A.B.; Ming, L.Y.; Ishak, S.; Vizureanu, P.; Tanyildizi, H.; Imjai, T.; Kamaruddin, M.A.; Mohamed, R. Recent advances on photocatalytic geopolymer on the degradation of organic pollutants: A review. Journal of Hazardous Materials Advances 2026, 21, 100946. https://doi.org/10.1016/j.hazadv.2025.100946. IF = 7.7. **(30 + 40 × 7.7)/9 = 37,56 p** 146. Shueb, M.I.; Mohamad, N.; Sapuan, S.Z.; Khee, Y.S.; Che Halin, D.S.; Sandu, A.V.; Vizureanu, P. Graphene nanoplatelets reinforced ABS nanocomposite films by sonication-assisted cast film technique for emission shielding application. Materials 2025, 18, 2645. https://doi.org/10.3390/ma18112645. IF = 3.2. **(30 + 40 × 3.2)/7 = 22,57 p** 147. Sangar, A.S.; Nadzri, N.I.M.; Halin, D.S.C.; Salleh, M.A.A.M.; Abdullah, M.M.A.B.; Sandu, A.V.; Putthisigamany, Y.; Vizureanu, P. Vacuum annealing-induced modifications in CoCrFeMnNi thin films: Surface morphology, conductivity, and work function. JOM 2025, 77, 4632–4640. https://doi.org/10.1007/s11837-025-07346-7. IF = 2.3. **(30 + 40 × 2.3)/8 = 15,25 p** 148. Angelova, L.; Burduhos-Nergis, D.D.; Surleva, A.; Sandu, A.V.; Ilieva, D.; Chernev, G.; Vizureanu, P. Study of Heavy Metal Encapsulation in Geopolymerized Industrial Waste by Sequential Extraction. JOM 2025, 77(3), 1385–1394. https://doi.org/10.1007/s11837-024-07049-5. IF = 2.3. **(30 + 40 × 2.3)/7 = 17,43 p** 149. Vizureanu, P. Advanced Surface Treatment Technologies for Metallic Alloys. Materials 2022, 15(4), 1464. https://doi.org/10.3390/ma15041464. F.I. = 3.2. **(30 + 40 × 3.2)/1 = 158,00 p**	
	2.3. Conferinţe invitate/ lucrări de sinteză prezentate la manifestări organizate sub egide ştiinţifice recunoscute, lucrări comunicate **a. conferinţe invitate** 1. Vizureanu, P.; Biomedical performance of Ti-Mo-Zr-Ta and Ti-Mo-Si alloys with bioactive coatings based on hydroxyapatite and zirconia. Bioceramics 25, Brazilia, 2025. **60,00** 2. Vizureanu, P Innovations on β-Titanium Alloys in Biomedical Applications: Recent Developments and Future Directions. MTM, Turcia, 2025. **60,00** **b. lucrări comunicate** 3. Baltatu M.S., Perju M.C., Vizureanu P., Sandu A.V., Burduhos-Nergiș D.D., Future Trends on Biocompat ble Titanium Alloys for Orthopedic Implants, 9th International Conference on Materials Science and Technologies – ROMat 2022, 24-25 Noiembrie 2022, București, Romania (oral presentation). **15/5 = 3 p** 4. Baltatu I., Mazilu M.M., Baltatu M.S., Ciubotaru C.V., Vizureanu P., development of new advanced titanium alloy for medical applications, 5th International Conference of the Doctoral School May 18 - 20, 2022, Iasi, Romania (oral presentation). **15/5=3p.** 5. Baltatu M.S., Sandu A.V., Benea L., Vizureanu P., Evaluating the Properties of a Ti-Mo-Zr-Mn System for Orthopedic Applications, EUROINVENT-ICIR 2023, International Conference on Innovative Research, Iasi, 11th–12th of May 2023, (oral presentation). **(15 /4=3.75)** 6. Baltatu M.S., Mazilu M.A., Tofan M., Ciubotaru C.V., Vizureanu P., New advanced titanium alloy research and development for medical applications, "Gheorghe Asachi" Technical University of Iasi, Romania 6th International Conference of the Doctoral School, May 17 - 19, 2023, Iaşi, România, (oral presentation). **(15 /5=3)** 7. Vizureanu P., Baltatu M.S., Sandu A.V., Burduhos-Nergis D.D., Perju M.C., Achitei D.C., Properties and Applications of New Ti-Mo-Nb-Sn Alloys in Biomedical Engineering, 4th International Biennial Conference BioMaH "Biomaterials and Novel Technologies for Healthcare", Rome (Italy), 15-18 October 2024, (oral presentation). **15/6=2,5** 8. Bălțatu M.S., Vizureanu P., The latest research on titanium alloys suitable for medical applications 10th International Conference "Biomaterials, Tissue Engineering & Medical Devices" BIOMMEDD'2024, Bucuresti, Romania, October 10-12th, 2024 (oral presentation). **15/2=7,5** 9. Ghiculescu I., Bălțatu M.S., Pruteanu A., Tofan M., Sandu A.V., Vizureanu P., Titanium Alloys and the	**234,38**

Role of Alloying Elements in Material Performance, 8th International Conference of the Doctoral School, CSD 2025, 14-16 May, Iași, România,. **15/6=2,5**

10. Pruteanu A., Bălțatu M.S., Ghiculescu I., Tofan M., Vizureanu P., Advanced Titanium Alloys for Medical and Industrial Use, 8th International Conference of the Doctoral School, CSD 2025, 14-16 May, Iași, România. **15/5=3,0**

11. Vizureanu P., Pruteanu A., Baltatu M.S., Sandu A.V., Comparison of Ti-Mo-Zr-Ta alloys obtained by conventional processing and selective laser melting for biomedical use, 6th International Conference on Powder Metallurgy & Advanced Materials, October 29 – November 1, 2025, Cluj-Napoca, Romania (oral presentation). **15/4=3,75**

C. sub forma de poster

12. Romeo Gabriel CHELARIU, Nicanor CIMPOESU, Teodora Irina BIRNOVEANU, Ramona CIMPOESU, Petrica VIZUREANU, Costica BEJINARIU. Obtaining and Analyze of a New Aluminium Bronze Material Using Induction Furnace, ICIR EUROINVENT, prezentare tip poster, Mai 2021. **10/6=1,67 p**

13. Mirabela Georgiana MINCIUNA, Petrica VIZUREANU, Andrei Victor SANDU, Dragos Cristian ACHITEI, Correlation between Microstructure and Electrochemical Properties of Al-Si Alloys ICIR EUROINVENT, prezentare tip poster, Mai 2021. **10/4=2.5p**

14. Radu Armand HARAGA, Costica BEJINARIU, Daniela Lucia CHICET, Petrica VIZUREANU, Stefan Lucian TOMA, Improving the Tungsten Carbide Embedment in the Metal Matrix for the Arc Thermal Spraying of Steels, ICIR EUROINVENT, prezentare tip poster, Mai 2021. **10/5=2p**

15. Manuela Cristina PERJU, Carmen NEJNERU, Petrică VIZUREANU, Andra Adorata AELENEI, Andrei Victor SANDU, Some Aspects Concerning Titanium Coverage with Hydroxyapatite, ICIR EUROINVENT, prezentare tip poster, Mai 2021. **10/5=2p**

16. Andreea HEGYI, Cezar BULACU, Henriette SZILAGYI, Adrian-Victor LĂZĂRESCU, Vasile MEIȚĂ, Petrică VIZUREANU, Mihaela SANDU, Improving Indoor Air Quality by Using Sheep Wool Heat Insulation ICIR EUROINVENT, prezentare tip poster, Mai 2021. **10/7=1.43p**

17. Diana-Petronela BURDUHOS-NERGIS, Costica BEJINARIU, Alin Marian CAZAC, Andrei Victor SANDU and Petrica VIZUREANU, XRD and STA Characterization of Phosphate Layers Deposited on the Carbon Steel Surface, ICIR EUROINVENT, prezentare tip poster, Mai 2021. **10/5=2p**

18. Claudiu Vasile CIUBOTARU, Andrei Victor SANDU, Alexandru BREZOVAN, Petrica VIZUREANU, Preliminary Analysis of an Ancient Short Sword, ICIR EUROINVENT, prezentare tip poster, Mai 2021. **10/4=2.5p**

19. Dumitru Doru BURDUHOS NERGIS, Petrica VIZUREANU, Dragos Cristian ACHIȚEI, Manuela Cristina PERJU, Andrei Victor SANDU, Effect of P/Al ratio on the microstructure of phosphate based-geopolymers, ICIR EUROINVENT, prezentare tip poster, Mai 2021. **10/5=2p**

20. Burduhos-Nergis D.D., Vizureanu P., Baltatu M.S., Sandu A.V., Burduhos-Nergiș D.P., The effect of glass f ber addition on the mechanical properties of geopolymer composites, 9th International Conference on Materials Science and Technologies – ROMat 2022, 24-25 Noiembrie 2022, București, Romania, (poster presentation). **10/5=2p**

21. Ciubotaru V.C., Burduhos-Nergis D.D., Baltatu M.S., Burduhos-Nergis D.P., Sandu A.V., Vizureanu P., Microstructural differences between acid and alkaline activated geopolymers, International Conference on Materials Science & Engineering, BRAMAT 2022, Brasov, Romania, 9-11 Martie, 2022 (prezentare tip poster). **10/6=1.66 p.**

22. Vizureanu P., Burduhos-Nergiș D.D., Sandu A.V., Achitei D.C., Burduhos-Nergiș D.P., Baltatu M.S., Perju M.C., Mechanical Performance of Mine Tailings Blended Geopolymer Designed by Taguchi Method, EUROINVENT-ICIR 2023, International Conference on Innovative Research, Iasi, 11th–12th of May 2023 (poster presentation). **(10 /7=1.42)**

23. Tofan M., Baltatu M.S., Mazilu M.A., Vizureanu P., Research and Development of Novel Advanced Titanium Alloys for Medical Use, EUROINVENT-ICIR 2023, International Conference on Innovative Research, Iasi, 11th–12th of May 2023 (poster presentation). **(10 /4=2.5)**

24. Achitei D.C., Baltatu M.S., Vizureanu P., Ginju M.I., Sandu A.V., Structural Modifications through Heat Treatments in Al-Si Alloys, EUROINVENT-ICIR 2023, International Conference on Innovative Research, Iasi, 11th–12th of May 2023 (poster presentation). **(10 /5=2)**

25. Ginju M.I., Vizureanu P., Achitei D.C., Baltatu M.S., Burduhos-Nergiș D.D., Sandu A.V., The Improvement of Hardness Properties through Thin Layers Depositions, EUROINVENT-ICIR 2023, International Conference on Innovative Research, Iasi, 11th–12th of May 2023 (poster presentation). **(10 /6=1.66)**

26. Jiménez Marcos C., Mirza Rosca J.C., Baltatu M.S., Vizureanu P., Analysis Of Novel Ti15Mo7ZrxSi Titanium Alloys Experimentally Developed as Potential Materials for Medical Uses, EUROINVENT-ICIR 2023, International Conference on Innovative Research, Iasi, 11th–12th of May 2023 (poster presentation). **(10 /4=2.5)**

27. Mazilu M.A., Baltatu M.S., Sandu A.V., Achitei D.C., Vizureanu P., Heat Treatments on Metallic Biomaterials for Medical Devices, EUROINVENT-ICIR 2023, International Conference on Innovative Research, Iasi, 11th–12th of May 2023 (poster presentation). **(10 /5=2)**

28. Ciubotaru V.C., Vizureanu P., Sandu A.V., Achitei D.C., Bălțatu M.S., Metals Used in Ancient Medicine: Short Overview, International Conference on Biomaterials and Regenerative Medicine BioReMed 2023, July 19-21, 2023, Sibiu, Romania (poster presentation). **(10 /5=2)**

29. Tofan M., Vizureanu P., Bălțatu M.S., Burduhos-Nergis D.D., Sandu A.V., Biomaterials Applications in Regenerative Medicine: Pioneering a Paradigm Shift in Healthcare, International Conference on

Biomaterials and Regenerative Medicine BioReMed 2023, July 19-21, 2023, S biu, Romania (poster presentation). **(10 /5=2)**

30. Mazilu M.A., Sandu A.V., Vizureanu P., Perju M.C., Bălțatu M.S., Titanium Alloys with Low Young's Modulus: A Promising Frontier for Advanced Engineering Applications, International Conference on Biomaterials and Regenerative Medicine BioReMed 2023, 19-21 Iulie, 2023, Sibiu, Romania (poster presentation). **(10 /5=2)**

31. Ghiculescu I., Vizureanu P., Bălțatu M.S., Sandu A.V., Perju M.C., Baltatu I., Influence of alloying microelements on titanium alloys for medical applications, 13th International Conference on Materials Science and Engineering – BRAMAT 2024, 13-16 Martie 2024, Brasov, Romania (poster presentation). **10/6=1,66**

32. Mazilu M.A, Bălțatu M.S., Burduhos-Nergis D.D., Vizureanu P., Sandu A.V., Comparative analysis of Ti6Al4V and Ti15Mo7Zr5Mn alloys for orthopedic implant applications, 13th International Conference on Materials Science and Engineering – BRAMAT 2024, 13-16 Martie 2024, Brasov, Romania (poster presentation). **10/5=2,00**

33. Tofan M., Sandu A.V., Bălțatu M.S., Achitei D.C., Ciubotaru C.V., Vizureanu P., Overview on Co-Cr alloys used in medical applications, 13th International Conference on Materials Science and Engineering – BRAMAT 2024, 13-16 Martie 2024, Brasov, Romania (poster presentation). **10/6=1,66**

34. Burduhos Nergiș D.D., Sandu A.V., Baltatu M.S., Achitei D.C., Perju M.C., Burduhos Nergiș D.P., Vizureanu P., Micro-Characterization of Ternary Geopolymers with Fly Ash, Red Mud and Flue Gas Desulfurization Waste, EUROINVENT-ICIR 2024, International Conference on Innovative Research, Iasi, 6-7.06.2024 (poster presentation). **10/7=1,42**

35. Căpățînă G., Vizureanu P., Bălțatu M.S., Sandu A.V., Dragos Cristian Achitei D.C., Rotaru B.A., Insights into New Materials for Stab Vests, EUROINVENT-ICIR 2024, International Conference on Innovative Research, Iasi, 6-7.06.2024 (poster presentation). **10/6=1,66**

36. Mazilu M.A., Ion Ghiculescu I., Vizureanu P., Bălțatu M.S., Titanium: The Metal Shaping Modern Medicine, Aerospace and Automotive Industries, EUROINVENT-ICIR 2024, International Conference on Innovative Research, Iasi, 6-7.06.2024 (poster presentation). **10/4=2,50**

37. Vizureanu P., Bălțatu M.S., Sandu A.V., Achitei D.C., Perju M.C., Burduhos Nergis D.D., Advancing Biomedical Applications: Ti-Mo-Nb-Sn Alloys, EUROINVENT-ICIR 2024, International Conference on Innovative Research, Iasi, 6-7.06.2024 (poster presentation). **10/6=1,66**

38. Tofan Mihai, Vizureanu P., Bălțatu M.S., Minciuna M., Research Progress on the Complex Analysis of Top Cobalt and Titanium-Based Biomaterials, EUROINVENT-ICIR 2024, International Conference on Innovative Research, Iasi, 6-7.06.2024 (poster presentation). **10/4=2,50**

39. Ghiculescu I., Vizureanu P., Burduhos-Nergis D.D., Bălțatu M.S., A Comparative Study of Ti-Mo-Zr-Ta and Ti6Al4V Alloy, EUROINVENT-ICIR 2024, International Conference on Innovative Research, Iasi, 6-7.06.2024 (poster presentation). **10/4=2,50**

40. Cristian-Stefan BUNDUC, Petrica VIZUREANU, Andrei-Victor SANDU, Costica BEJINARIU, Polymer Matrix Composites: A Short Review, EUROINVENT-ICIR 2024, International Conference on Innovative Research, Iasi, 6-7.06.2024 (poster presentation). **10/4=2,50**

41. W. IBRAHIM, Mohd Mustafa Al Bakri ABDULLAH, Noorina Hidayu JAMIL, Hasmaliza MOHAMAD, Mohd Arif Anuar Mohd SALLEH, Petrica VIZUREANU, Effect of Sintering Temperature on Structural, Physical and Mechanical Properties of the Activated-HAp Ceramic Wan Mohd Arif, EUROINVENT-ICIR 2024, International Conference on Innovative Research, Iasi, 6-7.06.2024 (poster presentation). **10/6=1,66**

42. Diana-Petronela BURDUHOS-NERGIS, Petrica VIZUREANU, Andrei Victor SANDU, Dumitru-Doru BURDUHOS-NERGIS, Costica BEJINARIU, Corrosion Behaviour of Ca-Zn Phosphate Coating Deposited on Ti6Al4V, EUROINVENT-ICIR 2024, International Conference on Innovative Research, Iasi, 6-7.06.2024 (poster presentation). **10/5=2,00**

43. Manuela-Cristina PERJU, Elena-Luiza EPURE, Carmen NEJNERU, Ramona CIMPOESU, Petrica VIZUREANU, Andrei Victor SANDU, Influence of Temperature on Properties of the Carboxymethyl Cellulose Quenching Environment, EUROINVENT-ICIR 2024, International Conference on Innovative Research, Iasi, 6-7.06.2024 (poster presentation). **10/6=1,66**

44. Bogdan Andrei ROTARU, Petrica VIZUREANU, Ioan Gabriel SANDU, Dragos Cristian ACHITEI, Georgeana CĂPĂȚÎNĂ, Andrei Victor SANDU, Manuela Cristina PERJU, EUROINVENT-ICIR 2024, Advanced Materials for Telescopic Poles: A Multidisciplinary Approach, International Conference on Innovative Research, Iasi, 6-7.06.2024 (poster presentation). **10/7=1,42**

45. Olga V. IVANOVA, Vitaliy V. SAVINKIN, Amandyk K. TULESHOV, Andrei Victor SANDU, Petrica VIZUREANU, The Influence of V bration Frequency on the Physical and Mechanical Properties of Pump Materials, EUROINVENT-ICIR 2024, Advanced Materials for Telescopic Poles: A Multidisciplinary Approach, International Conference on Innovative Research, Iasi, 6-7.06.2024 (poster presentation). **10/5=2,00**

46. Pruteanu A., Bălțatu M.S., Sandu A.V., Vizureanu P., Biofunctionalization of Titanium-Molybdenum Alloys for Biomedical Applications, EUROINVENT-ICIR 2025, International Conference on Innovative Research, Iasi, 8-9.05.2025, (poster presentation). **10/4=2,5**

47. Ghiculescu I., Bălțatu M.S., Sandu I.G., Pruteanu A., Sandu A.V., Vizureanu P., Beta Stabilizing Elements and Their Mechanisms on Titanium Alloys, EUROINVENT-ICIR 2025, International Conference on Innovative Research, Iasi, 8-9.05.2025, (poster presentation). **10/6=1,66**

48. Bălțatu M.S., Pruteanu A., Sandu A.V., Vizureanu P., Achiței D.C., Perju M.C., Burduhos-Nergis D.D., Novel Ti-Mo-Zr-Ta Alloys for Orthopedic Applications: Development, Characterization and Performance

	Evaluation, EUROINVENT-ICIR 2025, International Conference on Innovative Research, Iasi, 8-9.05.2025, (poster presentation). **10/7=1,42** 49. Vizureanu P., Bălțatu M.S., Pruteanu A., Sandu A.V., Achiței D.C., Perju M.C., Burduhos-Nergis D.D., Characterization and Optimization of Ti-Mo-Nb-Sn Alloys for Enhanced Biomedical Applications, EUROINVENT-ICIR 2025, International Conference on Innovative Research, Iasi, 8-9.05.2025, (poster presentation). **10/7=1,42** 50. Achitei D.C., Baltatu M.S., Sandu A.V., Vizureanu P., Minciuna M.G., Perju M.C., Burduhos-Nergis D.D., Hardness Modifications through Heat Treatments on Cooper Alloy, EUROINVENT-ICIR 2025, International Conference on Innovative Research, Iasi, 8-9.05.2025, (poster presentation). **10/6=1,66** 51. Achitei D.C., Baltatu M.S., Sandu A.V., Vizureanu P., Minciuna M.G., Perju M.C., Burduhos-Nergis D.D., Study of Thermal Proccesings Applied to an Aluminium Alloy, EUROINVENT-ICIR 2025, International Conference on Innovative Research, Iasi, 8-9.05.2025, (poster presentation). **10/7=1,42** 52. Tofan M., Sandu I.G., Baltatu M.S., Sandu A.V., Vizureanu P., Influence of Alloying Elements on the Stability and Performance of Cobalt Alloys for Medical Applications, EUROINVENT-ICIR 2025, EUROINVENT, International Conference on Innovative Research, Iasi, 8-9.05.2025, (poster presentation). **10/5=2,00** 53. Pruteanu A., Baltatu M.S., Tofan M., Ghiculescu I., Sandu A.V., Vizureanu P., The Evolution of Titanium Alloys for Medical Implant Applications, International Conference on Biomaterials & Regenerative Medicine BioREMED'2025, October 16-18, 2025, Oradea, România, (poster presentation). **10/6=1,66** 54. Ghiculescu I., Baltatu M.S., Tofan M., Sandu A.V., Vizureanu P., Influence of alloying elements on the structural and functional behavior of titanium alloys, 6th International Conference on Powder Metallurgy & Advanced Materials, October 29 – November 1, 2025, Cluj-Napoca, Romania (poster presentation). **10/5=2,00**	
	2.4. Lucrări publicate în volumele conferinţelor: **a. Volume indexate ISI** 1. V.V. Savinkin, A.V. Sandu, T.Y. Ratushnaya, P. Vizureanu, S.V. Kolisnichenko, M.S. Omarov, Study Of Redistribution Of The Oil Complex Power Drive Ffectiveness For Marginal Wells When Installing Construction Of Recuperative Action Electro Hydro Cylinder, BULLETIN OF THE TOMSK POLYTECHNIC UNIVERSITY-GEO ASSETS ENGINEERING, 332, 2, 2021, pp. 229-244, DOI: 10.18799/24131830/2021/02/3058. **50/6 = 8,33 p** 2. Savin, A., Craus, M.L., Bruma, A., Novy, F., Minarik, P., Jabor, M., Malo, S., Steigmann, R., Vizureanu, P., Harnois, C., Turchenko, V., Material properties mapping using complementary methods in titanium alloys TiMoSi used in medical application, LOW-DIMENSIONAL MATERIALS AND DEVICES 2020, Proceedings of SPIE, vol. 11465, Article Number 114650Z, 2020**. 50/11 = 4,54 p** 3. Jiménez-Marcos C., Baltatu M.S., Florido-Suárez N.R., Socorro-Perdomo P.P., Vizureanu P., Mirza-Rosca J.C., Mechanical properties and corrosion resistance of two new titanium alloys for orthopaedics applications, Materials Today: Proceedings, 2022, DOI: 10.1016/j.matpr.2022.09.394. **50/6 = 8,33 p** **b. Volume indexate BDI** 4. Bălțatu M.S., Vizureanu P., Bălțatu I., Burduhos Nergis D.D., Achitei D.C., Perju M.C., Electrochemical Behaviour of Ti-Mo Alloys for Medical Application in Biological Solution, IOP Conference Series: Materials Science and Engineering, 877 (2020), 012031, DOI: 10.1088/1757-899X/877/1/012031. **30/6 = 5,00 p** 5. Tugui C.A., Vizureanu P., Danila N.A., Perju M.C., Burduhos-Nergis D.P., Ecological process for depositing thin layers with high tribology resistance for reconditioning the hydraulic turbines, IOP Conference Series: Materials Science and Engineering, 997(1), 012032, 2020. **30/5 = 6,00 p** 6. Axinte M., Vizureanu P., Nejneru C., Sandu A.V., Perju M.C., Surface quality improvements using active screen in plasma nitriding technology, AIP Conference Proceedings, 2291, 0023854, 2020. **30/5 = 6,00 p** 7. Burduhos Nergis D.D., Vizureanu P., Opa D., Minciuna M.G., Abdullah M.M.A.B., Influence of Microparticles on Setting Time and Micromorphology of Coal Ash Geopolymers, IOP Conference Series: Materials Science and Engineering, 877(1), 012044, 2020. **30/5 = 6,00 p** 8. Perju M.C., Nejneru C., Vizureanu P., Burduhos Nergis D.D., Sandu A.V., Microstructural Analysis of Multiple Layer Depositions on Cast Iron Using the Electrospark Deposition Method, IOP Conference Series: Materials Science and Engineering, 877(1), 012019, 2020. **30/5 = 6,00 p** 9. Ahmad R., Abdullah M.M.A.B., Ibrahim W.M.W., Vizureanu P., Tengah M.S., Comparison Study on Microstructure Properties of Kaolin Based Geopolymer Ceramics with Addition of UHMWPE under Different Sintering Condition, IOP Conference Series: Materials Science and Engineering, 877(1), 012015, 2020. **30/5 = 6,00 p**	**56,20**
	2.5. Brevete acordate, produse omologate 1. VIZUREANU P, Solar furnace for processing materials, has rotary working enclosure provided with metal envelope in which cut with opening is set , where solar radiation collected by solar energy supply system is projected to interior of enclosure, Patent Number(s): RO126961-A2 **(60,00)** 2. VIZUREANU P, PREDESCU A, Expert system for the control of thermal systems, consists of a software component loaded in a computer and a hardware component consisting of a parallel programmable interface. Patent Number(s): RO126973-A2 **(30,00)** 3. SANDU A V, BEJINARIU C, SANDU I G, VIZUREANU P, SANDU I, BACIU C, VASILACHE V, PROCESS FOR CORROSION-PROTECTION OF IRON PIECES BY PHOSPHATING IN AQUEOUS SYSTEM, Patent Number(s): RO128933-A2 **(8,57)** 4. VIZUREANU P, STEFANICA R G, ACHITEI D C, NEJNERU C, PERJU M C, Thermal treatment installation for cyclic ageing of aluminium alloys, Patent Number(s): RO128420-A2 **(12,00)** 5. VIZUREANU P, ACHITEI D C, NEJNERU C, PERJU M C, STEFANICA R G, INSTALLATION FOR	**159,23**

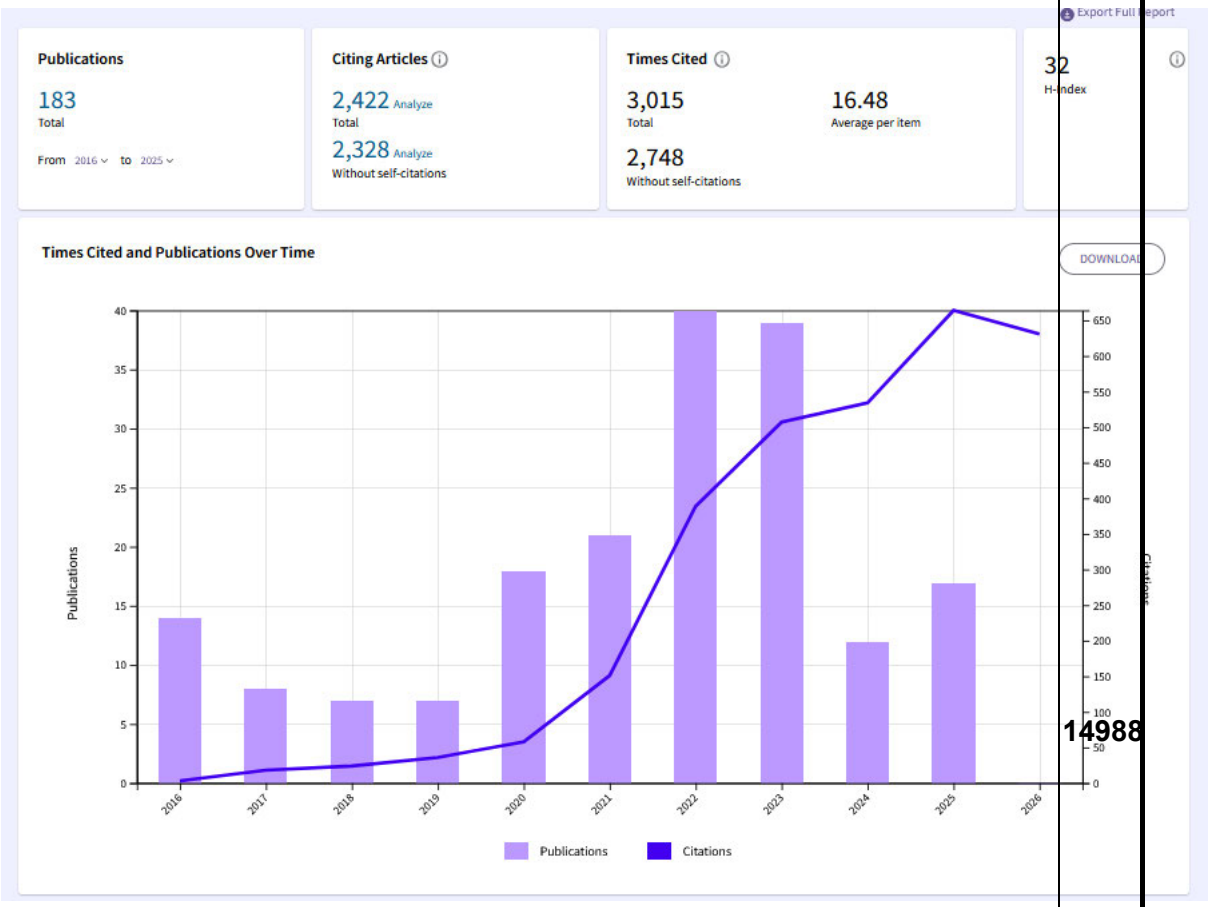
	THERMO-MECHANICAL FATIGUE TESTING OF ALLOYS WITH SHAPE MEMORY, Patent Number(s): RO128422-A2 **(12,00)** 6. RAILEANU T, HOPULELE I, FLORESCU A, COMANECI R, BEJINARIU C, SUSAN M, VIZUREANU P, BADARAU G, GRANCEA V, Mould mix moisture content continuous automatic metering technique, Patent Number(s): RO116362-B1 **(6,66)** 7. BURDUHOS NERGIȘ Dumitru Doru, VIZUREANU Petrică, CORBU Ofelia-Cornelia, ABDULLAH Mohd Mustafa Al Bakri, SANDU Victor-Andrei, Ecological geopolymer based on power-plant ash and glass powder from recycled wastes, for applications in the field of constructions, and process for preparing the same, Patent RO134321 / 2024. **P=60/5 = 12** 8. TOMA Ștefan Lucian, SAVIN Gabi, TOMA Bogdan Florin, BEJINARIU Costica, IONIȚĂ Iulian, VIZUREANU Petrică, BĂDĂRĂU Gheorghe, SANDU Andrei Victor, CAZAC Alin, BURDUHOS – NERGIȘ Diana – Petronela, Nozzle system used in electric arc thermal metal spray, Brevet OSIM RO134208B1 / 2024. **P=60/10 = 6** 9. GEANTĂ V., VOICULESCU I., ȘTEFĂNOIU R., BINCHICIU H., VIZUREANU P., KELEMEN H., CODESCU M.M., SANDU A.V., BĂLȚATU M.S., MARINESCU V, Aliaj cu entropie ridicată pentru aplicații medicale chirurgicale din sistemul metalurgic FeMmoTaTiZr și tehnologie de obținere, RO134978 A2, 29.11.2019, Romania **60/10=6,00** 10. VOICULESCU I., GEANTĂ V., ȘTEFĂNOIU R., KELEMEN H., VIZUREANU P., CODESCU M.M., SANDU A.V., BINCHICIU EMILIA FLORINA, BĂLȚATU M.S., Pătroi D., Aliaj cu entropie ridicată din sistemul MoNbTaTiZr microaliat cu ytriu pentru aplicații medicale și procedeu de consolidare, RO134977 A2, 29.11.2019, Romania **60/10=6,00**	
	2.6. Proiecte/ Contracte/ Granturi de cercetare-dezvoltare câştigate prin competiţie **Realizări:** 2.6.1. [2021] Director de Proiect Component 2, Contract PN-III-P1-1.2-PCCDI-2017-0239 (2018–2021), „Aliaje biocompatibile pe bază de titan pentru protetica medicală din sisteme complexe microaliate – BioTIT”, în cadrul proiectului complex MedicalMetMat – „Obținerea și expertizarea unor noi materiale biocompatibile pentru aplicații medicale”. Suma partener/proiect: 320.000 lei; valoare 2021: 18.610 lei; total proiect: 5.273.400 lei. **15 × 18.610 / 10.000 = 27,91 p** 2.6.2. [2021] Membru în Proiect Component 4, Contract PN-III-P1-1.2-PCCDI-2017-0239 (2018–2021), HEAMED – „Aliaje biocompatibile cu entropie ridicată cu aplicații medicale”. Suma partener/proiect: 217.000 lei; valoare 2021: 12.420 lei; total proiect: 5.273.400 lei. **15 × 12.420 / 10.000 / 7 = 2,66 p** 2.6.3. [2021] Membru, Grant Intern GI/P20/2021, „Proiect pentru susținerea capacității de publicare – PUBLICAȚII”, competiție TUIASI. Director: Sandu Andrei Victor. **15 × 45.000 / 10.000 / 6 = 11,25 p** 2.6.4. [2021] Director, Grant Intern GI/P6/2021, „Proiect pentru susținerea capacității de publicare – PUBLICAȚII”, competiție TUIASI. Director: Vizureanu Petrică. **15 × 45.000 / 10.000 = 67,50 p** 2.6.5. [2021] Membru, Grant Intern GI/P38/2021, „Proiect pentru susținerea capacității de publicare – PUBLICAȚII”, competiție TUIASI. Director: Bălțatu Mădălina Simona. **15 × 45.000 / 10.000 / 4 = 16,88 p** 2.6.6. [2022] Director, proiectul „Environmental footprint reduction though eco-friendly technologies of mine tailings recycling” (RecMine), COFUND-ERAMIN-3-RecMine, durata 2022–2024. Director: Vizureanu Petrică. Valoare aferentă primei înregistrări anuale: 123.750 lei. **20 × 123.750 / 10.000 / 7 = 35,35 p** 2.6.7. [2022] Director, Grant Intern GI/MedTech_8/2022, „Aliaje pe bază de titan îmbunătățite pentru aplicații în medicină (MedTit)”, competiție TUIASI. Director: Vizureanu Petrică. Valoare proiect: 20.000 lei. **10 × 20.000 / 10.000 / 3 = 6,67 p** 2.6.8. [2023] Director, proiectul „Environmental footprint reduction though eco-friendly technologies of mine tailings recycling” (RecMine), COFUND-ERAMIN-3-RecMine, durata 2022–2024. Director: Vizureanu Petrică. Valoare aferentă celei de-a doua înregistrări anuale: 272.250 lei. **20 × 272.250 / 10.000 / 7 = 77,78 p** 2.6.9. [2024] Director, proiectul „Environmental footprint reduction though eco-friendly technologies of mine tailings recycling” (RecMine), COFUND-ERAMIN-3-RecMine, durata 2022–2024. Director: Vizureanu Petrică. Valoare aferentă celei de-a treia înregistrări anuale: 189.675 lei. **20 × 189.675 / 10.000 = 379,35 p** 2.6.10. [2024] Director, Contract PNCDI IV ERA NET nr. 8/2024, ERA-MIN3 Joint Transnational Call 2023, finanțator: Comisia Europeană / Horizon 2020 prin UEFISCDI. „A new generation of metallic biomaterials as health solution for a sustainable life – Cool&SmarTit”. Contractor: Universitatea Tehnică „Gheorghe Asachi”. Valoare proiect: 1.238.250 lei; valoare 2024: 450.000 lei. **20 × 450.000 / 10.000 = 900 p** 2.6.11. [2024] Responsabil, Contract 101124670, EMFAF-2023-PIA-FLAGSHIP, finanțator: European Climate, Infrastructure and Environment Executive Agency, „Harnessing complementary curricular preparedness via sustainable management in response to civil and military pollution on the coastline, tributaries and lagoons in Black Sea’s North, West, South zone – Black Sea SIERRA”. Contractor: Universitatea Tehnică „Gheorghe Asachi”. Valoare proiect: 299.995 lei. Valoare aferentă înregistrării din 2024: 71.859,50 lei. **20 × 71.859,50 /**	**2089,90**

	10.000 = 143,719 p 2.6.12. [2024] Membru, Contract ARUT GNaC 2023_271/2024, National Research Grants – ARUT, finanțare CNFIS-FDI-2024-0598 și TUIASI, „Innovative products based on Geopolymer composites with waste wood addition (Pre-Geo)”. Director: Dumitru Doru Burduhos Nergis. Valoare proiect: 50.000 lei; valoare 2024: 34.422,95 lei. **15 × 34.422,95 / 10.000 / 3 = 17,21 p** 2.6.13. [2025] Responsabil, Contract 101124670, EMFAF-2023-PIA-FLAGSHIP, finanțator: European Climate, Infrastructure and Environment Executive Agency, „Harnessing complementary curricular preparedness via sustainable management in response to civil and military pollution on the coastline, tributaries and lagoons in Black Sea’s North, West, South zone – Black Sea SIERRA”. Contractor: Universitatea Tehnică „Gheorghe Asachi”. Valoare proiect: 299.995 lei. Valoare aferentă înregistrării din blocul ulterior (an de confirmat): 168.743,64 lei. **20 × 168.743,64 / 10.000 = 337,49 p** 2.6.14. [2025] Membru, proiectul „Model demonstrativ de biofuncționalizare pentru aliaje de Ti-Mo-Zr-Ta cu utilizare în implantologie ortopedică – BIO-SIMTIT”, Contract nr. 5PED/2025, PN-IV-P7-7.1-PED2024-0080. Director: Bălțatu Mădălina Simona. **15 × 462.885,00 / 10.000 / 7 = 66,13 p**	
	2.7. Proiecte/ Contracte/ Granturi de cercetare-dezvoltare încheiate cu institute de cercetare, companii, regii, societăţi comerciale	
	2.8. Creaţii de arhitectură, urbanism, restaurări, design şi arte plastice efectuate prin Universitate	

2.9. Citări în reviste/volume cotateWos ISI sau indexate în baze de date internaţionale (BDI)

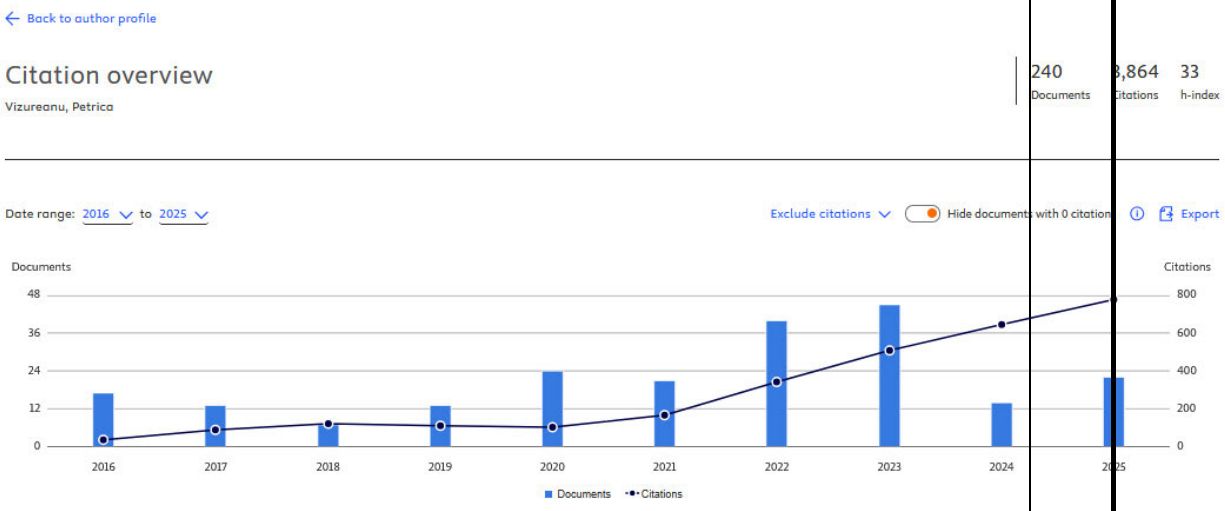
Realizări:

2.9.1. Citari articole Wos ISI (2015-2024): **2328 citari x 5 = 11640 p**



14988

2.9.2. Citari BDI (2015-2024): Scopus-WoS = 3864-2748= 1116 x 3p = 3348 **p**



2.10. Finalizare teză de doctorat

2022

2.10.1. Finalizarea tezei de doctorat – Iustinian Baltatu – 10 puncte

2023

2.10.2. Finalizarea tezei de postdoctorat – Baltatu Mădălina Simona – 10 puncte

30

	2.10.3. Finalizarea tezei de postdoctorat – Burduhos-Nergis Doru Dumitru – 10 puncte	
	2.11. Elaborare standarde	
Total punctaj Criteriu 2		**22021,4**
3. Recunoaşterea naţională şi internaţională (minimum: • 15 puncte prof.; • 10 puncte conf.; • 5 puncte ş. l.)	**3.1**. Profesor invitat pentru prelegeri la univ. de prestigiu 3.1.1. IPCOETI 2021, Malaysia – **10 p** 3.1.2. Malaezia, iunie 2022 – **5 p** 3.1.3. BIOMMED 2022 – **5 p** 3.1.4. ICCECIP 2022, Ungaria – **10 p** 3.1.5. Malaezia, iunie 2023 – **10 p** 3.1.6. SATCIPC 2024, Serbia – **10 p** 3.1.7. Design and Evaluation of Biocompatible Ti-Mo-Nb-Sn Alloys for Load-Bearing Implants, MEDAN 2025, 24–25 septembrie 2025, Medan, Indonezia – **10 p** 3.1.8. Innovations on β-Titanium Alloys in Biomedical Applications: Recent Developments and Future Directions, 4th International Materials Technologies and Metallurgy Conference, 2–3 octombrie 2025, Istanbul, Turcia – **10 p** 3.1.9. Biomedical Performance of Ti-Mo-Zr-Ta and Ti-Mo-Si Alloys with Bioactive Coatings Based on Hydroxyapatite and Zirconia, Bioceramics 35, 28–31 octombrie 2025, Rio de Janeiro, Brazilia – **10 p**	**80**
	3.2. Membru în academii (Academia Română, Academia de Ştiinţe Tehnice, Academia de Ştiinţe Agricole şi Silvice, Academia Oamenilor de Ştiinţă etc.) 3.2.1. Membru asociat ASTR, 2022 – 50 p 3.2.2. Membru asociat ASTR, 2023 – 50 p 3.2.3. Membru asociat ASTR, 2024 – 50 p 3.2.4. Membru asociat ASTR, 2025 – 50 p 3.2.5. Membru asociat AOSR, 2025 – 50 p	**250**
	3.3. Doctor Honoris Causa	
	3.4. Membru în societăţi ştiinţifice şi profesionale (AGIR, asociațiile absolvenților etc.) **Realizări:** **3.4.1** ASM International, SUA – legitimația nr. 542373 **– 5 ani x 10 p** **3.4.2** Asociația Generală a Inginerilor din România (AGIR) – legitimația nr. 58516 **- 5 ani x 5 p** **3.4.3** Materials Research Society, SUA **– 5ani x 10 p** **3.4.4** Societatea de Științe Matematice din România – legitimația nr. 227 **– 5 ani x 5 p** **3.4.5** Asociația Turnătorilor din România **– 5 ani x 5 p** **3.4.6** Forumul Inventatorilor Români **- 5 ani x 5 p 25 p** **3.4.7** Societatea Română de Biomateriale **- 5 ani x 5 p** **3.4.8** Asociația Profesională ModTech România **- 5 ani x5 p**	**250**
	3.5. Membru în comisii de doctorat **Realizări:** 3.5.1. Membru în comisia pentru colocviul de admitere la doctorat – septembrie 2021, 14 candidați – 14 p 3.5.2. Membru în comisii de doctorat – Caloian și Năvodariu – 10 p 3.5.3. Membru în comisia pentru colocviul de admitere la doctorat – sept. 2022, 50 de candidați – 50 p 3.5.4. Membru în comisii de doctorat – Antonia, Plăiașu și Țierean – 15 p 3.5.5. Membru în comisia pentru colocviul de admitere la doctorat – sept 2023, 20 de candidați – 20 p 3.5.6. Membru în comisii de doctorat – Popa, Benea și Tofan – 15 p 3.5.7. Membru în comisia pentru colocviul de admitere la doctorat – sept. 2024, 20 de candidați – 20 p 3.5.8. Membru în comisii de doctorat – Antoniac, Miculescu (două comisii) și Benea – 20 p 3.5.9. Membru în comisie internațională de doctorat – Suriani – 10 p 3.5.10. Membru în comisia pentru colocviul de admitere la doctorat – sept. 2025, 20 de candidați – 20 p 3.5.11. Membru în comisie de doctorat – Antoniac – 5 p 3.5.12. Membru în comisie internațională de doctorat – Mirza – 20 p	**219**
	3.6. Membru în colective de redacţie ale revistelor **Realizări:** 3.6.1. International Journal on Heat and Mass Transfer – Theory and Applications (IREHEAT) – membru în Editorial Board, 5 ani × 10 p/an = 50 puncte 3.6.2. Revista ATTIS – membru în comitetul editorial, 5 ani × 10 p/an = 50 puncte 3.6.3. International Journal of Conservation Science – membru în comitetul editorial, 5 ani × 10 p/an = 50 puncte 3.6.4. International Journal of Mining Science – membru în comitetul editorial, 5 ani × 10 p/an = 50 puncte 3.6.5. American Journal of Bioengineering and Biotechnology – membru în comitetul editorial, 5 ani × 10 p/an = 50 puncte 3.6.6. European Journal of Materials Science and Engineering – membru în comitetul editorial, 5 ani × 10 p/an = 50 puncte 3.6.7. Coatings – membru în comitetul editorial, 5 ani × 20 p/an = 100 puncte	**400**
	3.7. Membru în comitete științifice naționale/ internaţionale/ de program (la congrese, conferinţe etc.) **Realizări:** 3.7.1. MODTECH – 2021, 2022, 2023, 2024, 2025 – 5 ani × 10 p/an = 50 puncte 3.7.2. ROMAT – 2021, 2022, 2023, 2024 – 4 ani × 10 p/an = 40 puncte 3.7.3. EUROINVENT – 2021, 2022, 2023, 2024, 2025 – 5 ani × 10 p/an = 50 puncte	**320**

	3.7.4. ICIR (International Conference on Innovative Research) – 2021, 2022, 2023, 2024, 2025 – 5 ani × 10 p/an = 50 puncte 3.7.5. APMME – 2021, 2022 – 2 ani × 10 p/an = 20 puncte 3.7.6. ICCECIP – 2021, 2022, 2023, 2024 – 4 ani × 10 p/an = 40 puncte 3.7.7. BRAMAT – 2022, 2024 – 2 ani × 10 p/an = 20 puncte 3.7.8. ICONGSM – 2023 – 1 an × 10 p/an = 10 puncte 3.7.9. BioReMed – 2023 – 1 an × 10 p/an = 10 puncte 3.7.10. BioMaH – 2024 – 1 an × 10 p/an = 10 puncte 3.7.11. International Conference on Innovative Materials, Physics, and Sustainability (ICMPS 2025) – 2025 – 1 an × 10 p/an = 10 puncte 3.7.12. 4th International Materials Technologies and Metallurgy Conference (MTM 2025) – 2025 – 1 an × 10 p/an = 10 puncte	
	3.8. Membru în echipe de expertizare / evaluare a cercetării ştiinţifice (proiecte CNCS, PNCDI II, FP7, Phare; centre de cercetare etc.) **2021** 3.8.1. Estonia – 10 p 3.8.2. European Commission – 2 × 10 p = 20 p 3.8.3. PTE – 7 × 5 p = 35 p **2022** 3.8.4. Cehia – 10 p 3.8.5. Danemarca – 3 × 10 p = 30 p 3.8.6. Hong Kong – 3 × 10 p = 30 p 3.8.7. Polonia – 20 × 10 p = 200 p **2023** 3.8.8. ARUT – 5 × 5 p = 25 p 3.8.9. PNRR – 20 × 5 p = 100 p 3.8.10. Hong Kong – 1 × 10 p = 10 p 3.8.11. Polonia – 29 × 10 p = 290 p 3.8.12. Qatar – 2 × 10 p = 20 p 3.8.13. PNRAS – 13 × 5 p = 65 p **2024** 3.8.14. ESR EC – 2 × 10 p = 20 p 3.8.15. Pathfinder 2 EU – 5 × 10 p = 50 p 3.8.16. Pathfinder 4 EU – 6 × 10 p = 60 p 3.8.17. Eurostars – 1 × 10 p = 10 p 3.8.18. GNAC Cluj – 1 × 5 p = 5 p 3.8.19. Hong Kong – 3 × 10 p = 30 p 3.8.20. Letonia – 1 × 10 p = 10 p 3.8.21. Olanda – 1 × 10 p = 10 p 3.8.22. Polonia – 13 × 10 p = 130 p 3.8.23. Qatar – 1 × 10 p = 10 p 3.8.24. PTE – 1 × 5 p = 5 p 3.8.25. RO-FR – 4 × 5 p = 20 p 3.8.26. RO-TR – 5 × 5 p = 25 p **2025** 3.8.27. EISMEA – 14 × 10 p = 140 p 3.8.28. EIC Pathfinder – 9 × 10 p = 90 p 3.8.29. Austria – 1 × 10 p = 10 p 3.8.30. EISMEA Ukraine – 2 × 10 p = 20 p 3.8.31. Hong Kong – 1 × 10 p = 10 p 3.8.32. Polonia Sonata ST8 – 12 × 10 p = 120 p 3.8.33. Polonia Sonata NZ7 – 1 × 10 p = 10 p 3.8.34. Polonia Preludium ST8 – 14 × 10 p = 140 p 3.8.35. Polonia Sonata ST10, ST11 – 2 × 10 p = 20 p 3.8.36. Eureka – 1 × 10 p = 10 p 3.8.37. Danemarca – 1 × 10 p = 10 p 3.8.38. M.ERA-NET – 3 × 10 p = 30 p	**1840**
	3.9. Membru în echipe de expertizare (evaluare) a procesului educaţional (ARACIS, EUA etc.) 2021 3.9.1. Evaluarea școlilor doctorale din Pitești și Târgoviște – 10 p 2022 3.9.2. Evaluarea programului de studii SM – Cluj – 10 p 3.9.3. Evaluarea programului de studii Materiale Avansate – Târgoviște – 10 p 2024 3.9.4. Membru în comisia de evaluare a unei universități din Kosovo – 1 × 10 p = 10 p 2025 3.9.5. Membru în comisiile de evaluare a două universități din Georgia – 2 × 10 p = 20 p 3.9.6. Membru în comisia de evaluare a unei universități din Kosovo – 1 × 10 p = 10 p 3.9.7. Membru în comisia de evaluare a unui program de licență la Universitatea Transilvania din Brașov	**90**

	(UTBV) – 1 × 10 p = 10 p 3.9.8. Membru în comisia de evaluare a studiilor doctorale la Universitatea Valahia din Târgoviște – 1 × 10 p = 10 p	
	3.10. Membru în consilii naţionale de specialitate Membru în Comisia de Ingineria Materialelor – CNATDCU, perioada 2021–2025 – 5 ani × 15 puncte/an = 75 puncte	**75**
	3.11. Organizator de manifestări ştiinţifice naţionale / internaţionale / sesiuni invitate **Realizări:** 3.11.1. EUROINVENT, perioada 2020–2024 – www.euroinvent.org – 5 ani × 10 p/an = 50 puncte 3.11.2. Chairman ICIR EUROINVENT, perioada 2020–2024 – www.euroinvent.org/conference – 5 ani × 15 p/an = 75 puncte	**125**
	3.12. Referent ştiinţific / expert naţional şi internaţional (pentru reviste, congrese etc.) **Realizări:** 2021 3.12.1. IIIS.ORG (5) – 25 p 3.12.2. Intech (1) – 5 p3.12.3. Materials and Design (21) – 210 p3.12.4. IJSR (1) – 5 p3.12.5. Coatings (6) – 60 p3.12.6. COLSUB (1) – 10 p3.12.7. JALCOM (1) – 10 p3.12.8. Machines (1) – 10 p3.12.9. IRJMSE (1) – 5 p3.12.10. Materials (35) – 350 p3.12.11. Materialia (1) – 10 p3.12.12. AMM (13) – 130 p3.12.13. Technium (2) – 20 p3.12.14. Energies (1) – 5 p3.12.15. AJBSR (1) – 5 p3.12.16. Materials Chemistry and Physics (5) – 50 p3.12.17. Materials Letters (5) – 50 p3.12.18. ICAI Bulgaria (4) – 20 p3.12.19. Crystals (3) – 30 p3.12.20. Scientific Reports (2) – 20 p3.12.21. Applied Surface Science Advances (1) – 10 p3.12.22. Nanomaterials (3) – 30 p3.12.23. Polymers (11) – 110 p3.12.24. Revista de Chimie (2) – 10 p3.12.25. Journal of Building Engineering (21) – 210 p3.12.26. Dentistry (2) – 20 p3.12.27. ACE (1) – 10 p3.12.28. JEAS (1) – 10 p3.12.29. Sustainability (2) – 20 p3.12.30. e-Polymers (1) – 10 p3.12.31. Micromachines (1) – 10 p3.12.32. Applied Sciences (1) – 10 p3.12.33. Tr bology (1) – 10 p3.12.34. JMRST (1) – 10 p3.12.35. Computation (1) – 10 p 2022 3.12.36. IIIS.ORG (4) – 20 p3.12.37. Materials and Design (19) – 190 p3.12.38. Sensors (1) – 10 p3.12.39. IJSR (1) – 5 p3.12.40. Coatings (5) – 50 p3.12.41. JALCOM (3) – 30 p3.12.42. Microstructures (1) – 10 p3.12.43. Lituania – ERD (1) – 10 p3.12.44. Metals (4) – 40 p3.12.45. Biomaterials Advances (1) – 10 p3.12.46. Materials (97) – 970 p3.12.47. COLSUB (1) – 10 p3.12.48. Energy Harvesting Systems (1) – 10 p3.12.49. Technium (3) – 30 p3.12.50. Materials Chemistry and Physics (5) – 50 p3.12.51. Materials Letters (6) – 60 p3.12.52. ICAI Bulgaria (3) – 30 p3.12.53. Applied Surface Science Advances (1) – 10 p3.12.54. Nanomaterials (1) – 10 p3.12.55. AMM (6) – 60 p3.12.56. Polymers (12) – 120 p3.12.57. Journal of Building Engineering (23) – 230 p3.12.58. Sustainability (2) – 20 p3.12.59. JMRST (8) – 80 p3.12.60. Materials Today (1) – 10 p3.12.61. Toxics (1) – 10 p3.12.62. Atmospheric Pollution Research (1) – 10 p3.12.63. Hybrid Advances (1) – 10 p3.12.64. Molecules (1) – 10 p3.12.65. Acta Geo (1) – 10 p3.12.66. C Carbon (1) – 10 p 2023 3.12.67. IIIS.ORG (3) – 15 p3.12.68. Intech (2) – 10 p3.12.69. Materials and Design (5) – 50 p3.12.70. Coatings (1) – 10 p3.12.71. JALCOM (5) – 50 p3.12.72. Materials (2) – 20 p3.12.73. Materials Letters (1) – 10 p3.12.74. ICAI Bulgaria (3) – 30 p3.12.75. Applied Surface Science Advances (2) – 20 p3.12.76. AMM (8) – 80 p3.12.77. Polymers (1) – 10 p3.12.78. Journal of Building Engineering (29) – 290 p3.12.79. JMRT (20) – 200 p3.12.80. Materials Today (3) – 30 p3.12.81. Atmospheric Pollution Research (1) – 10 p3.12.82. Hybrid Advances (6) – 60 p3.12.83. Molecules (1) – 10 p3.12.84. Inventions (1) – 10 p3.12.85. Forecasting (1) – 10 p3.12.86. Advances in Civil Engineering (1) – 10 p3.12.87. Buildings (1) – 10 p3.12.88. Surface Engineering (1) – 10 p3.12.89. IJ Cast (7) – 70 p3.12.90. Advanced Environmental Science (1) – 10 p3.12.91. Antioxidants (1) – 10 p3.12.92. Atmosphere (1) – 10 p3.12.93. TUSC (1) – 10 p3.12.94. MAMI (2) – 20 p3.12.95. HZENG (3) – 30 p3.12.96. Heliyon (3) – 30 p3.12.97. JEMA (2) – 20 p3.12.98. Hindawi ASME (1) – 10 p3.12.99. Hindawi International Journal of Dentistry (1) – 10 p3.12.100. WAVE (1) – 10 p3.12.101. ACS Omega (1) – 10 p3.12.102. PLOS ONE (1) – 10 p3.12.103. JCSU (1) – 10 p3.12.104. EMMA (1) – 10 p3.12.105. ENMM (2) – 20 p 2024 3.12.106. IIIS.ORG (4) – 20 p3.12.107. DESMSET (2) – 20 p3.12.108. Materials and Design (3) – 30 p3.12.109. JOLT (3) – 30 p3.12.110. JALCOM (5) – 50 p3.12.111. Materials Chemistry and Physics (1) – 10 p3.12.112. Materials Letters (2) – 20 p3.12.113. ICAI Bulgaria (2) – 20 p3.12.114. AMM (4) – 40 p3.12.115. Journal of Building Engineering (30) – 300 p3.12.116. JMRT (11) – 110 p3.12.117. Hybrid Advances (2) – 20 p3.12.118. HZENG (2) – 20 p3.12.119. Heliyon (2) – 20 p3.12.120. Vietnam Journal of Chemistry (1) – 10 p3.12.121. Ceramics International (2) – 20 p3.12.122. Journal of Adhesion Science and Technology (1) – 10 p3.12.123. JPAM (1) – 10 p3.12.124. ETASR (1) – 10 p3.12.125. Materials Characterization (2) – 20 p3.12.126. Journal of Magnesium and Alloys (1) – 10 p3.12.127. MSEA (1) – 10 p3.12.128. Physica Scripta (1) – 10 p3.12.129. JETSCH (1) – 10 p3.12.130. JPSE (1) – 10 p3.12.131. JJMIE (1) – 10 p3.12.132. Journal of Rare Earths (2) – 20 p3.12.133. ACS Biomaterials (1) – 10 p3.12.134. Environmental Research (4) – 40 p3.12.135. Journal of Energy Storage (1) – 10 p3.12.136. Next Materials (2) – 20 p 2025 3.12.137. IIIS.ORG (2) – 10 p3.12.138. Materials and Design (3) – 30 p3.12.139. JOLT (9) – 90 p3.12.140. JALCOM (3) – 30 p3.12.141. Materials Chemistry and Physics (2) – 20 p3.12.142. Materials Letters (2) – 20 p3.12.143. ICAI Bulgaria (4) – 40 p3.12.144. Scientific Reports (1) – 10 p3.12.145. AMM (7) – 70 p3.12.146. Journal of Building Engineering (18) – 180 p3.12.147. JMRT (10) – 100 p3.12.148. Materials Today (7) – 70 p3.12.149. Hybrid Advances (1) – 10 p3.12.150. ACS Omega (1) – 10 p3.12.151. Construction and Building Materials (3) – 30 p3.12.152. JJMIE (1) – 10 p3.12.153. Environmental Research (2) – 20 p3.12.154. Journal of Energy Storage (1) – 10 p3.12.155. Next Materials (3) – 30 p3.12.156. Applied Surface Science (1) – 10 p3.12.157. JMEP (1) – 10 p3.12.158. BAB (1) – 10 p3.12.159. Powder Technology (2) – 20 p3.12.160. MICREL (3) – 30 p3.12.161. Composites Part A (1) – 10 p3.12.162. Progress in Engineering Science (2) – 20 p3.12.163. Chemical Papers (1) – 10 p3.12.164. Results in Engineering (3) – 30 p3.12.165. NEXUS (1) – 10 p3.12.166. Frontiers (1) – 10 p3.12.167. Diamond (1) – 10 p3.12.168. eCM (1) – 10 p3.12.169. Journal of Physics and Chemistry of Solids (1) – 10 p3.12.170. Journal of the Taiwan Institute of Chemical Engineers (1)	**6910**

	– 10 p3.12.171. International ZKG (2) – 20 p3.12.172. CIRP Journal of Manufacturing Science and Technology (2) – 20 p3.12.173. AMME (1) – 10 p	
	3.13. Membru în comisii de concurs pentru posturi didactice universitare **Realizări:** **2021** 3.13.1. Membru în comisia de concurs pentru ocuparea postului de profesor/conferentiar (Sapientia, TUIASI) – 10 pct 3.13.2.. Membru in comisia de inventariere – 5 pct. **2022** 3.13.1. Membru în comisia de concurs pentru ocuparea postului de profesor/conferentiar (Brasov x 2) – 10 pct 3.13.2.. Membru in comisia de inventariere – 5 pct **2023** 3.13.1. Membru în comisia de concurs pentru ocuparea postului de profesor/conferentiar (URBAN INCERC x 1, INCDPM x 5, Toma Stefan x 1, UTBV x 1) – 40 pct 3.13.2.. Membru in comisia de inventariere – 5 pct.	**75**
	3.14. Membru în jurii, comisii, concursuri profesionale **Realizări:** 3.14.1. Președinte al Comisiei de inventariere anuală pentru Departamentul IMSI, perioada 2021–2025 – 5 ani × 5 p/an = 25 puncte 3.14.2. Președinte al Comisiei de inventariere anuală pentru Departamentul TEPM, perioada 2021–2025 – 5 ani × 5 p/an = 25 puncte	**50**
	3.15. Cercetător invitat pentru activităţi de cercetare în universităţi/firme de prestigiu	0
	3.16. Cadru didactic invitat în programe ERASMUS (prelegeri) 2022 3.16.1. Universiti Malaysia Perlis, Malaezia – 5 p 3.16.2. Óbuda University, Budapesta, Ungaria – 5 p 2023 3.16.3. Universiti Malaysia Perlis, Malaezia – 5 p 3.16.4. Óbuda University, Budapesta, Ungaria – 5 p	**20**
	3.17.Cadru didactic care gestioneaza acorduri bilaterale ERASMUS	0
	3.18. Premii **Realizări:** 2021 **3.18.**1. Medalia de aur: 1 IDEA 1 WORLD (1I1W), International Innovation, Design and Startup Competition 23-28.02.2021, Istanbul, Turkey, Baltatu M.S., Vizureanu P., Sandu A.V., Abdullah M.M.A.B., Salleh M.A.A.M. **20.00** **3.18**.2. Premiu special: 1 IDEA 1 WORLD (1I1W), International Innovation, Design and Startup Competition 23-28.02.2021, Istanbul, Turkey, Baltatu M.S., Vizureanu P., Sandu A.V., Abdullah M.M.A.B., Salleh M.A.A.M. **20.00** **3.18.3** Medalia de aur: 2nd Beirut International Innovation Show – BIIS 2021, 10 Aprilie 2021, Vizureanu P., Baltatu M.S., Sandu A.V., Bernic M., Balan M. **20.00** **3.18.4** Diploma de aur la EUROINVENT BOOK SALON pentru Titanium-Based Alloys for Biomedical Applications, 2021 2**0.00** **3.18.5** Medalia de aur: WICO World Invention Creativity Olympic / 08 - 10 Iulie 2021, Vizureanu P., Baltatu M.S., Sandu A.V., Loghin C.M., Burduhos-Nergis Dumitru Doru, Bernic M., Balan M. **20.00** **3.18.6** Premiu Special: WICO World Invention Creativity Olympic / 08 - 10 Iulie 2021, Vizureanu P., Baltatu M.S., Sandu A.V., Loghin C.M., Burduhos-Nergis Dumitru Doru, Bernic M., Balan M. **20.00** **3.18.7** Medalia de aur: INOVA ZAGREB 2021 / Octombrie 2021, Geanta V., Voiculescu I., Stefanoiu R., Binchiciu H., Vizureanu P., Kelemen H., Codescu M.M., Sandu A.V., Baltatu M.S., Marinescu V.E. **20.00** **3.18.8**. Medalia de aur: Intarg Poland / 2021, Vizureanu P., Baltatu M.S., Sandu A.V., Bernic M., Balan M. **20.00** **3.18.9** Premiu Special: Intarg Poland / 2021, Vizureanu P., Baltatu M.S., Sandu A.V., Bernic M., Balan M. **20.00** **3.18.10**. Medalia de aur: INFOINVENT/17-20 Noiembrie 2021, Geanta V., Voiculescu I., Stefanoiu R., Binchiciu H., Vizureanu P., Kelemen H., Codescu M.M., Sandu A.V., Baltatu M.S., Marinescu V.E., Binchiciu E.F., Patroi D. **20.00** **3.18**.11 Medalia de argint: Thailand Invetors Day 2021, Baltatu M.S., Vizureanu P., Sandu A.V., Abdullah M.M.A.B., Salleh M.A.A.M. **20.00** **3.18.12** Medalia de argint: INOVA ZAGREB 2021 / Octombrie 2021, Geanta V., Voiculescu I., Stefanoiu R., Binchiciu H., Vizureanu P., Kelemen H., Codescu M.M., Sandu A.V., Baltatu M.S., Marinescu V.E., Binchiciu E.F., Patroi D. **20.00** **3.18.13** Medalia de aur: Innovation and Creative Education Fair for Youth ICE-USV, Vizureanu P., Baltatu M.S., Sandu A.V., Loghin C.M., Burduhos-Nergis Dumitru Doru, Bernic M., Balan M. 1**0.00** **3.18.14**. Medalia de aur: PROINVENT/ 20-22 Octombrie 2021, Geanta V., Voiculescu I., Stefanoiu R., Binchiciu H., Vizureanu P., Kelemen H., Codescu M.M., Sandu A.V., Baltatu M.S., Marinescu V.E.,	**1590**

Binchiciu E.F., Patroi D. **10.00**

3.18.15 Medalia de aur: PROINVENT/ 20-22 Octombrie 2021, Geanta V., Voiculescu I., Stefanoiu R., Binchiciu H., Vizureanu P., Kelemen H., Codescu M.M., Sandu A.V., Baltatu M.S., Marinescu V.E. 1**0.00**

3.18.16. Medalia de aur: 2021 Kaohsiung International Invention & Design EXPO 2-4 Decembrie 2021, Geanta V., Voiculescu I., Stefanoiu R., Binchiciu H., Vizureanu P., Kelemen H., Codescu M.M., Sandu A.V., Baltatu M.S., Marinescu V.E. **20.00**

3.18.17 Medalia de aur: INVENTCOR 16-18.12.2021 Deva, Romania, Geanta V., Voiculescu I., Stefanoiu R., Binchiciu H., Vizureanu P., Kelemen H., Codescu M.M., Sandu A.V., Baltatu M.S., Marinescu V.E. 1**0.00**

3.18.18 Medalia de aur: INVENTCOR 16-18.12.2021 Deva, Romania, Geanta V., Voiculescu I., Stefanoiu R., Binchiciu H., Vizureanu P., Kelemen H., Codescu M.M., Sandu A.V., Baltatu M.S., Marinescu V.E., Binchiciu E.F., Patroi D 10**.00**

2022

23p x 20 = 460

2022	**Premiu special**	**EUROINVENT 2022**	**Vizureanu P., Sandu A.V., Burduhos-Nergis D.D.**
2022	Medalia de aur	INOVA Croatia 2022	Tugui C A , **Vizureanu P.**, Sandu A V
2022	Medalia de argint	3rd Beirut International Innovation Show – BIIS 2022, 31 May 2022	Burduhos Nergis D D , **Vizureanu P.**, Corbu O C , Abdullah M M A B , Sandu A V
2022	Medalia de aur	3rd Beirut International Innovation Show – BIIS 2022, 31 May 2022	Geanta V, Voiculescu I , Stefanoiu R , Binchiciu H , **Vizureanu P.** , Kelemen H , Codescu M M , Sandu A V , Baltatu M S , Marinescu V E
2022	Medalia de aur	EUROINVENT BOOK SALON 2022	Burduhos-Nergis D D , Burduhos-Nergis D P , Baltatu M S , **Vizureanu P.**
2022	Medalia de aur	EUROINVENT BOOK SALON 2022	Burduhos-Nergis D P , Burduhos-Nergis D D , Baltatu M S , **Vizureanu P.**
2022	Medalia de aur	EUROINVENT BOOK SALON 2022	Baltatu M S , Burduhos-Nergis D D , Burduhos-Nergis D P , **Vizureanu P.**
2022	Medalia de argint	EUROINVENT BOOK SALON 2022	Minciuna M G , **Vizureanu P.** , Baltatu M S
2022	Diploma de excelenta	PROINVENT 2022, Cluj Napoca	Tugui C A , **Vizureanu P.**, Sandu A V
2022	Premiu special	PROINVENT 2022, Cluj Napoca	**Vizureanu P.**, Burduhos-Nergis D D , Sandu A V
2022	Diploma de excelenta	PROINVENT 2022, Cluj Napoca	**Vizureanu P.**, Burduhos-Nergis D D , Sandu A V
2022	Medalia de aur	5th China (Shanghai) International Exhibition of Inventions	Geanta V, Voiculescu I , Stefanoiu R , Binchiciu H , **Vizureanu P.** , Kelemen H , Codescu M M , Sandu A V , Baltatu M S , Marinescu V E
2022	Medalia de aur	INVENTCOR, DEVA , 15-17 12 2022	**Vizureanu P.**, Burduhos-Nergis D D , Sandu A V
2022	Premiu de Excelenta	Innovation Week IWA 2022	Geanta V, Voiculescu I , Stefanoiu R , Binchiciu H , **Vizureanu P.** , Kelemen H , Codescu M M , Sandu A V , Baltatu M S , Marinescu V E
2022	Medalia de aur	Innovation Week IWA 2022	Geanta V, Voiculescu I , Stefanoiu R , Binchiciu H , **Vizureanu P.** , Kelemen H , Codescu M M , Sandu A V , Baltatu M S , Marinescu V E
2022	Medalia de argint	ICE-USV 2022/iulie 2022	Geanta V, Voiculescu I , Stefanoiu R , Binchiciu H , **Vizureanu P.** , Kelemen H , Codescu M M , Sandu A V , Baltatu M S , Marinescu V E
2022	Medalia de bronz	ICE-USV 2022/iulie 2022	Tugui C A , **Vizureanu P.**, Sandu A V
2022	Medalia de aur	INTARG 2022	Geanta V, Voiculescu I , Stefanoiu R , Binchiciu H , **Vizureanu P.** , Kelemen H , Codescu M M , Sandu A V , Baltatu M S , Marinescu V E
2022	Medalia de aur	ITE 2022, International Ivention&Trade Expo London	Tugui C A , **Vizureanu P.**, Sandu A V
2022	Medalia de aur	WICO World Invention Creativity Olympic / 04 - 06 August 2022	Tugui C A , **Vizureanu P.**, Sandu A V
2022	Medalia de argint	iCAN 2022, International Invention Innovation Competition in Canada, 27 Septembrie 2022	Tugui C A , **Vizureanu P.**, Sandu A V
2022	Best Global Innovator 2022	Innovation Week IWA 2022	**Vizureanu P.**
2022	Master of Innovation	Innovation Week IWA 2022	**Vizureanu P.**

2023

11p x 20 = 220

1 x 10 = 10

2023	Medalia de aur	Euroinvent 2023	Baltatu M.S, Vizureanu P., Sandu A.V.
2023	Premiu Special	Euroinvent 2023	Baltatu M.S, Vizureanu P., Sandu A.V.
2023	Premiu Special	Euroinvent 2023	Baltatu M.S, Vizureanu P., Sandu A.V.
2023	Premiu Special	Euroinvent 2023	Baltatu M.S, Vizureanu P., Sandu A.V.
2023	Premiu Special	Euroinvent 2023	Baltatu M.S, Vizureanu P., Sandu A.V.
2023	Premiu Special	PRO INVENT 2023, Cluj Napoca 2023	Baltatu M.S., Vizureanu P., Sandu A.V., Abdullah M.M.A.B., Salleh M.A.A.M.
2023	Diloma de Excelenta	PRO INVENT 2023, Cluj Napoca 2023	Baltatu M.S., Vizureanu P., Sandu A.V., Abdullah M.M.A.B., Salleh M.A.A.M.
2023	Premiu Special	PRO INVENT 2023, Cluj Napoca 2023	Baltatu M.S.
2023	Medalia de aur	UGAL INVENT, 9-12 Noiembrie 2023, Galati	Geanta V., Voiculescu I., Stefanoiu R., Binchiciu H., Vizureanu P., Kelemen H., Codescu M.M., Sandu A.V., Baltatu M.S., Marinescu V.E., Binchiciu E.F., Patroi D.
2023	Medalia de aur	UGAL INVENT, 9-12 Noiembrie 2023, Galati	Geanta V., Voiculescu I., Stefanoiu R., Binchiciu H., Vizureanu P., Kelemen H., Codescu M.M., Sandu A.V., Baltatu M.S., Marinescu V.E.
2023	Medalia de aur	Saudi Global Inventions and Innovation Expo (SGiE, 2023), Jeddah, Saudi Arabia	Geanta V., Voiculescu I., Stefanoiu R., Binchiciu H., Vizureanu P., Kelemen H., Codescu M.M., Sandu A.V., Baltatu M.S., Marinescu V.E.
2022	Premiul de Excelență 2023 *	Universitatea Tehnică "Gheorghe Asachi" din Iași, noiembrie 2023,	Vizureanu P.

2024

8p x 20 = 160

4 x 10 = 40

2024	Premiu Special	„Traian Vuia" International Exhibition of Inventions and Innovations, 13-15 Iunie 2024	**Baltatu M.S.**, Vizureanu P.
2024	Premiu Special	„Traian Vuia" International Exhibition of Inventions and Innovations, 13-15 Iunie 2024	**Baltatu M.S.**, Vizureanu P.
2024	Diploma de Excelenta	„Traian Vuia" International Exhibition of Inventions and Innovations, 13-15 Iunie 2024	**Baltatu M.S.**, Vizureanu P.
2024	Diploma de Excelenta	Euroinvent 2024	**Baltatu M.S.**, Vizureanu P.
2024	Premiu Special	Euroinvent 2024	**Baltatu M.S.**, Vizureanu P.
2024	Medalia de aur	Euroinvent 2024	Burduhos-Nergis D.D., Sandu A.V., **Baltatu M.S.**, Achitei D.C., Perju M.C., Bruhos-Nergis D.P., Surleva Andriana, Vizureanu P.
2024	Medalia de aur	„Traian Vuia" International Exhibition of Inventions and Innovations, 13-15 Iunie 2024	Geanta V., Voiculescu I., Stefanoiu R., Binchiciu H., Vizureanu P., Kelemer H., Codescu M.M., Sandu A.V., **Baltatu M.S.**, Marinescu V.E.
2024	Medalia de aur	Japan Design, Idea & Invention Expo, 5-7 Iulie 2024	Burduhos-Nergis D.D., Sandu A.V., **Baltatu M.S.**, Achitei D.C., Perju M.C., Bruhos-Nergis D.P., Surleva Andriana, Vizureanu P.
2024	First Prize	First prize of the Scientific Challenge 2024 Retsch GmbH	Vizureanu P, **Baltatu M.S.**, Sandu A.V.
2024	Medalia de aur	America Invention Innovation Expo 26-28 August 2024	Burduhos-Nergis D.D., Sandu A.V., **Baltatu M.S.**, Achitei D.C., Perju M.C., Bruhos-Nergis D.P., Surleva Andriana, Vizureanu P.
2024	Medalia de aur	2024 International Invention Innovation Competition in Canada, ICAN , 24 august 2024	Burduhos-Nergis D.D., Sandu A.V., **Baltatu M.S.**, Achitei D.C., Perju M.C., Bruhos-Nergis D.P., Surleva Andriana, Vizureanu P.
2024	Medalia de aur	THE 1st INTERNATIONAL INNOVATION AND INVENTION SHOW EURO POLITEHNICUS 2024, Bucuresti, Romania, 22-24 November 2024	Vizureanu P, **Baltatu M.S.**, Sandu A.V.

2025

20 X 20 P = 400 p

2025	Gold medal	23 International Exhibition of Innovation, ARCA 202 Zagreb Croatia	Madalina Simona BALTATU, Petrica VIZUREANU, Victoraș GEANTĂ Radu ȘTEFĂNOIU Ionelia VOICULESCU Andrei Vic SANDU
2025	**Silver medal**	23 International Exhibition of Innovation, ARCA 202 Zagreb Croatia	Dumitru Doru BURDUHOS NERGIȘ, Andrei Victor SANDU, MadalinaSimona BALTATU, DragosCristian ACHITEI, Manuela Cristina PERJU, Diana-Petronela BURDUHOSNERGIS, Andriana SURLEVA, Petrica VIZUREANU
2025	Gold medal	8th China (Shanghai) International Exhibition of Inventions	Madalina Simona BALTATU, Petrica VIZUREANU, Victoraș GEANTĂ,Radu ȘTEFĂNOIU, Ionelia VOICULESCU, Andrei Vic SANDU
2025	Gold medal	Week IWA 2025, 8-12 September 2025	Madalina Simona BALTATU, Petrica VIZUREANU, Victoraș GEANTĂ,Radu ȘTEFĂNOIU, Ionelia VOICULESCU, Andrei Vic SANDU
2025	Gold medal	ICAN Toronto	Madalina Simona BALTATU, Petrica VIZUREANU, Victoraș GEANTĂ Radu ȘTEFĂNOIU IoneliaVOICULESCU Andrei Victo SANDU
2025	Gold medal	49 International Invention Show INOVA Croatia	Dumitru Doru BURDUHOS NERGIȘ, Andrei Victor SANDU, MadalinaSimona BALTATU, DragosCristian ACHITEI, Manuela Cristina PERJU, Diana-Petronela BURDUHOSNERGIS, Andriana SURLEVA, Petrica VIZUREANU
2025	Gold medal	18th INTARG® 2025 International Invention and Innovation Contest	Dumitru Doru BURDUHOS NERGIȘ, Andrei Victor SANDU, MadalinaSimona BALTATU DragosCristian ACHITEI Manuela Cristina PERJU Diana-Petronela BURDUHOSNERGIS Andriana SURLEVA, Petrica VIZUREANU
2025	Gold medal	International Invention Fair ISIF Istanbul	Dumitru Doru BURDUHOS NERGIȘ, Andrei Victor SANDU, MadalinaSimona BALTATU, DragosCristian ACHITEI, Manuela Cristina PERJU, Diana-Petronela BURDUHOSNERGIS, Andriana SURLEVA, Petrica VIZUREANU
2025	**Silver medal**	International Invention and Trade Fair London 2025	Dumitru Doru BURDUHOS NERGIȘ, Andrei Victor SANDU, MadalinaSimona BALTATU DragosCristian ACHITEI Manuela Cristina PERJU Diana-Petronela BURDUHOSNERGIS Andriana SURLEVA, Petrica VIZUREANU
2025	Gold medal	International Invention and Trade Fair London 2025	Madalina Simona BALTATU, Petrica VIZUREANU, Victoraș GEANTĂ,Radu ȘTEFĂNOIU, Ionelia VOICULESCU, Andrei Vic SANDU
2025	Gold medal	Kaohsiung International Invention Show KIDE 2025	Dumitru Doru BURDUHOS NERGIȘ, Andrei Victor SANDU, MadalinaSimona BALTA U, Dragos-Cristian ACHITEI, Manuela Cristina PERJU Diana-Petronela BURDUHOSNERGIS Andriana SURLEVA, Petrica VIZUREANU
2025	Gold medal	Kaohsiung International Invention Show KIDE 2025	Madalina Simona BALTATU, Petrica VIZUREANU, Victoraș GEANTĂ,Radu ȘTEFĂNOIU, Ionelia VOICULESCU, Andrei Vic SANDU
2025	Gold medal	Saudi Global Invention and innovation Show SIIE 2025	Dumitru Doru BURDUHOS NERGIȘ Andrei Victor SANDU MadalinaSimona BALTATU, DragosCristian ACHITEI, Manuela Cristina PERJU, Diana-Petronela BURDUHOSNERGIS, Andriana SURLEVA Petrica VIZUREANU
2025	Gold medal	World Invention Creative Olimpics, Korea 13-19, 2025	Dumitru Doru BURDUHOS NERGIȘ, Andrei Victor SANDU, MadalinaSimona BALTATU, DragosCristian ACHITEI, Manuela Cristina PERJU, Diana-Petronela BURDUHOSNERGIS, Andriana SURLEVA Petrica VIZUREANU
2025	Gold medal	Development Invention Show, Dubai, DIS EXPO	Dumitru Doru BURDUHOS NERGIȘ Andrei Victor SANDU MadalinaSimona BALTATU, DragosCristian ACHITEI, Manuela Cristina PERJU, Diana-Petronela BURDUHOSNERGIS, Andriana SURLEVA Petrica VIZUREANU
2025	Gold medal	INTERNATIONAL COMPETITION ON SCIENCE TECHNOLOGYENGINEERING, AND MATHEMATICS (ICSTEM) 2025 SILKA MAYTOWER HOTEL, KUALA LUMPUR MALAYSIA, 9-11 OCTOBER 2025	Madalina Simona BALTATU, Petrica VIZUREANU, Victoraș GEANTĂ,Radu ȘTEFĂNOIU, Ionelia VOICULESCU, Andrei Vic SANDU
2025	Gold medal	International Exhibition INVENTCOR 16th edition, 3-5 April 2025, Deva, Romania	Dumitru Doru BURDUHOS NERGIȘ, Andrei Victor SANDU, MadalinaSimona BALTATU DragosCristian ACHITEI Manuela Cristina PERJU, Diana-Petronela BURDUHOSNERGIS, Andriana SURLEVA Petrica VIZUREANU
2025	Gold medal	Traian Vuia" International Exhibition of Inventions a Innovations, 31 October 2025	Madalina Simona BALTATU, Petrica VIZUREANU, Victoraș GEANTĂ,Radu ȘTEFĂNOIU, IoneliaVOICULESCU, Andrei Victo SANDU
2025	Gold medal	„Traian Vuia" International Exhibition of Inventions a Innovations 31 October 2025	Petrica VIZUREANU, Ioana Corina MOGA, Madalina Simona BALTATUNicoleta Raluca JIANU Andrei Victor SANDU
2025	Gold medal	"CONSTANTIN BRANCUSI" UNIVERSITY OF TARGU JIU TECHNOLOGICAL FORUM OLTENI TECHFEST	Madalina Simona BALTATU, Petrica VIZUREANU, Victoraș GEANTĂ,Radu ȘTEFĂNOIU, Ionelia VOICULESCU, Andrei Vic SANDU

Total punctaj Criteriu 3	**1229**

		4
4. Activitatea cu studenţii (minimum: • 10 puncte prof.; • 7 puncte conf.; • 5 puncte ș.l.)	**4.1.** Conducere cercuri ştiinţifice studenţeşti **Realizări:** 2021 Realizări: 2 × 3 p = 6 puncte 2022 Realizări: 2 × 3 p = 6 puncte 2023 Realizări: 2 × 3 p = 6 puncte 2024 Realizări: 2 × 3 p = 6 puncte 2025 Realizări: 2 × 3 p = 6 puncte	**30**
	4.2. Pregătire pentru concursuri profesionale (pentru fazele naţională şi internaţională) **Realizări:** 4.2.1. ..... 4.2.2.	
	4.3. Conducere lucrări de absolvire[2)], licenţă (diplomă), disertaţie, doctorat ((inclusiv cotutelă, membri în echipa de îndrumare) **Realizări:** 2021 4.3.1. Coordonarea a 5 lucrări de licență – 5 × 3 p = 15 p 4.3.2. Coordonarea a 5 lucrări de disertație – 5 × 5 p = 25 p 2022 4.3.3. Coordonarea a 5 lucrări de licență – 5 × 3 p = 15 p 4.3.4. Coordonarea a 5 lucrări de disertație – 5 × 5 p = 25 p 2023 4.3.5. Coordonarea a 5 lucrări de licență – 5 × 3 p = 15 p 4.3.6. Coordonarea a 5 lucrări de disertație – 5 × 5 p = 25 p 2024 4.3.7. Coordonarea a 5 lucrări de licență – 5 × 3 p = 15 p 4.3.8. Coordonarea a 5 lucrări de disertație – 5 × 5 p = 25 p 2025 4.3.9. Coordonarea a 5 lucrări de licență – 5 × 3 p = 15 p 4.3.10. Coordonarea a 5 lucrări de disertație – 5 × 5 p = 25 p	**200**
	4.4. Îndrumare ani de studii **Realizări:**	
	4.5. Organizarea de excursii de studii, prezentarea ofertei educaționale a universității în licee	
	4.6. Activități cu studenți ERASMUS	
Total punctaj Criteriu 4		**230**
5. Activitatea în comunitatea academică (minimum: • 15 puncte prof.; • 10 puncte conf.); • 5 puncte ș.l.;	**5.1.** Participare la mese rotunde, dezbateri organizate la nivelul facultății/ universității etc. **Realizări:** 2021 5.1.1. Masă rotundă: „Obținerea și expertizarea unor noi materiale biocompat bile pentru aplicații medicale” – MedicalMetMat, PN-III-P1-1.2-PCCDI-2017-0239, 60PCCDI/2018. Proiect P2 – „Aliaje biocompatibile pe bază de titan pentru protetică medicală din sisteme complexe microaliate” (BioTIT). Data: 16.04.2021 – 3 p 5.1.2. Masă rotundă: „Obținerea și expertizarea unor noi materiale biocompat bile pentru aplicații medicale” – MedicalMetMat, PN-III-P1-1.2-PCCDI-2017-0239, 60PCCDI/2018. Data: 22.05.2021 – 3 p 5.1.3. Masă rotundă – doctorand Ciubotaru V.C. – 3 p 2022 5.1.4. Workshop în cadrul proiectului „Environmental Footprint Reduction through Eco-Friendly Technologies of Mine Tailings Recycling” (COFUND-ERAMIN-3-RecMine). Director de proiect: Prof. Petrică Vizureanu. Data: 12.05.2022 – 5 × 1 = 5 p 2023 5.1.5. Workshopuri în cadrul proiectului „Environmental Footprint Reduction through Eco-Friendly Technologies of Mine Tailings Recycling” (COFUND-ERAMIN-3-RecMine). Director de proiect: Prof. Petrică Vizureanu. Evenimente organizate în mai 2023 – România, iulie 2023 – Turcia și octombrie 2023 – Spania – 3 × 5 = 15 p 2024 5.1.6. Workshop în cadrul proiectului „A New Generation of Metallic Biomaterials as Health Solution for a Sustainable Life” (Cool&SmarTit). Contractor: Universitatea Tehnică „Gheorghe Asachi” din Iași. Director de proiect: Prof. Petrică Vizureanu. Iunie 2024, Iași, România – 15 p 2025 5.1.7. Workshop în cadrul proiectului „A New Generation of Metallic Biomaterials as Health Solution for a Sustainable Life” (Cool&SmarTit). Contractor: Universitatea Tehnică „Gheorghe Asachi” din Iași. Director de proiect: Prof. Petrică Vizureanu. Data: 9 mai 2025, Iași, România – 5 × 1 = 5 p 5.1.8. Workshop „BIO-SIMTIT – Biofunctionalization of Ti Alloys (PH)”, organizat la 9 mai 2025, Iași, România – 5 × 1 = 5 p 5.1.9. Workshop în cadrul proiectului Cool&SmarTit, organizat la Universidad Alfonso X el Sabio (UAX), Madrid, Spania, în perioada 1–5 iulie 2025 – 5 × 1 = 5 p 5.1.10. Prezentare în cadrul programului Erasmus+ Blended Intensive Programme – „Exploring Advanced Materials and Dermocosmetic Futures” – 5 × 1 = 5 p	**67**

	5.2. Activitate în comisii **Realizări:** 2021 5.2.1. Membru în Consiliul Departamentului – 3 p 5.2.2. Membru în Comisia de licență EPI și Comisia de master SITM – 6 p 5.2.3. Membru în Consiliul Facultății – 5 p 2022 5.2.4. Membru în Consiliul Departamentului – 3 p 5.2.5. Membru în Comisia de licență EPI și Comisia de master SITM – 6 p 5.2.6. Membru în Consiliul Facultății – 5 p 2023 5.2.7. Membru în Consiliul Departamentului – 3 p 5.2.8. Membru în Comisia de licență EPI și Comisia de master SITM – 6 p 5.2.9. Membru în Consiliul Facultății – 5 p 2024 5.2.10. Membru în Consiliul Departamentului – 3 p 5.2.11. Membru în Comisia de licență EPI și Comisia de master SITM – 6 p 5.2.12. Membru în Consiliul Facultății – 5 p 2025 5.2.13. Membru în Consiliul Departamentului – 3 p 5.2.14. Membru în Comisia de licență EPI și Comisia de master SITM – 6 p	**65**
	5.3. Coordonare programe de studii de licență/ masterat/ postuniversitare de formare continuă **Realizări:** 5.3.1. Coordonator al programului de studii EPI, perioada 2021–2025 – 5 ani × 5 p/an = 25 puncte 5.3.2. Coordonator al domeniului Inginerie Mecanică, programul de master SITM, perioada 2021–2025 – 5 ani × 5 p/an = 25 puncte	**50**
Total punctaj Criteriu 5		**182**
Total punctaj Criterii 1-5		**34883,60**
6. Evaluarea de către Directorul de Departament (0-50 puncte)	**Justificări:** • .....; • .....;	**250**
Total general		**35133,60**

Data: 13.10.2026

FIȘA DE AUTOEVALUARE
Și DE EVALUARE
DE CĂTRE DIRECTORUL DE DEPARTAMENT

2021-2025

Prof.univ.dr.ing. Petrică VIZUREANU

Punctaj obținut	**Punctaj Minim**	**Raportare 2022 pentru anul 2021**	**Raportare 2023 pentru anul 2022**	**Raportare 2024 pentru anul 2023**	**Raportare 2025 pentru anul 2024**	**Raportare 2026 pentru anul 2025**
Criteriul 1	30	149,04	150,90	148,42	146,72	146,72
Criteriul 2	150	4755,75	6371,13	7101,00	12686,58	17438,85
Criteriul 3	15	2239,00	3325,00	2510,00	1995,00	3600,00
Criteriul 4	10	46,00	46,00	46,00	46,00	46,00
Criteriul 5	15	33,00	29,00	29,00	39,00	39,00
Punctaj Director	-	50,00	50,00	50,00	50,00	50,00
TOTAL		**7272,79**	**9972,03**	**9884,42**	**14963,30**	**21320,57**

Prof.univ.dr.ing. Petrică VIZUREANU

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAŞI
FACULTATEA DE ŞTIINŢA ŞI INGINERIA MATERIALELOR
DEPARTAMENTUL DE TEHNOLOGII ŞI ECHIPAMENTE PENTRU PROCESAREA MATERIALELOR
Ramura de ştiinţă: Inginerie mecanică, mecatronică, inginerie industrială şi management
Domeniul de studii: Ingineria materialelor

FIŞA DE VERIFICARE

a îndeplinirii standardelor minimale naţionale pentru

POSTUL de PROFESOR UNIVERSITAR

Comisia 7 – Ingineria Materialelor –

Cadru didactic: VIZUREANU PETRICĂ/ Data naşterii: 17.10.1967 / Funcţia ocupată: PROFESOR/ DIRECTOR DEPARTAMENT

Data numirii în funcţia actuală: Decizia 1730/10.09.2009

Tabelul 1.
Conditii minimale / punctaje obtinute

Nr. crt.	Domeniul de activitate	Condiţii minimale Abilitare / Condiţii Profesor	Punctaj obtinut	Criteriu îndeplinit/ Criteriu neîndeplinit
1.	Activitatea didactică şi profesională **(A1)**	60	**1516,59**	**Criteriu îndeplinit**
2.	Activitatea de cercetare **(A2)**	320	**3423,37**	**Criteriu îndeplinit**
3.	Recunoasterea si impactul activitatii activitatii **(A3)**	120	**8614,12**	**Criteriu îndeplinit**
	TOTAL (puncte)	**Minim: 500**	**13554,08**	**Criteriu îndeplinit**

$Scor_j$ – Criteriul *C 2.1. Calitatea resursei umane*

$$Scor_j^{(U)} = \frac{punctaj_{CD_j}^{(U)}}{punctaj\ minim\ CNATDCU_j^{(U)}} = \frac{\square}{\ldots\ldots\ldots\ldots\ldots} = 13554{,}08\ /500 = 27{,}10$$

În aceasta formula:
- $Scor_j^{(U)}$ este scorul obţinut pentru cadrul didactic CDj, de la universitatea U (TUIASI);
- $punctaj_{CD_j}^{(U)}$ - punctajul comunicat de universitate pentru cadrele didactice CDj (conform Ordinului MECTS nr. 6560/2012, cu modificările ulterioare considerate până la momentul raportării);
- $punctaj\ minim\ CNATDCU_j^{(U)}$ - punctajul minim stabilit de CNATDCU, pentru domeniul în care cadrul didactic CDj deţine titlul respectiv.

Condiții minimale obligatorii pe subcategorii		Necesar	Realizat
A1	1.1.1 Cărți /capitole ca autor; 1.1.1.1 Internaționale; 1.1.1.2 Naționale; din care: [1]: Profesor minim 2, d.c. 1 prim autor; Conferențiar minim 1	***2***	***15 naționale, 27 internațională***
	1.2.1 Manuale didactice, monografii, inclusiv electronice: pentru Profesor min. 2, din care 1 ca prim autor; pentru Conferențiar min. 1; 1.2.2 Îndrumatoare de laborator / aplicații	***2***	***3 manuale didactice, 2 îndrumatoare de laborator***
A2	2.1 Articole în reviste cotate ISI Thomson Reuters-Web of Science Core Collection [FI - Factor de Impact] și în volume indexate ISI proceedings - Web of Science, în specificul postului scos la concurs;	2.1.1 Minim 15 articole pentru Profesor / CS I din care min. 10 în Reviste cotate ISI Th.R. [din care min. 5 cu FI de min. 1, și min. 5 ca autor principal cu FI min 0,5] [3]	***173 articole cu factor de impact*** ***70 ca autor principal***
	2.4 Granturi / proiecte de cercetare câștigate prin competiție / contracte de cercetare cu agenți economici sau câștigate prin competiții ale consorțiilor universitare și de cercetare 2.4.1 Minim 2 ca director / responsabil partener, din care cel puțin 1 ca director	***2***	***7***
A3	3.1. Citări în reviste cotate ISI Thomson Reuters-Web of Science Core Collection [FI – Factor de impact] și în alte BDI, Se exclud autocitarile tuturor co-autorilor ; Lucrari citate: articol de revista, conferinta, carte, teza brevet inventie; Minim 100 citari pentru Profesor / CSI	***100***	***Selecție de citări 1461***

Tabelul 2.
Detalierea valorilor *"**Punctaj obţinut**"*din Tabelul 1 (conform Anexa nr. 7. Comisia Ingineria Materialelor, OMECTS nr. 6560/2012, modificat prin OMEN nr. 4204/2013, cu includerea modificărilor şi completărilor realizate până la 01.01.2017)

Structura activităţii	Restricţii Prof	Punctaj
A1. Activitatea didactică şi profesională		**1467,56**
A1.1 Cărţi şi capitole în cărţi de specialitate		
A1.1.1 Cărţi/capitole ca autor		**526,57**
A1.1.1.1 Internaţionale		
1. Baltatu M.S., **Vizureanu P.**, Sandu A.V., Nabialek M., Appraisal of Several Ti-Based Alloys Used for Medical Applications, CRC Press, 2026, pag: 1-19, ISBN: 978-1-032-8137-9, DOI: 10.1201/9781003642855, in Book: Functionalized Materials Applications in Biomedicine. **19/2x4=2,37 p** 2. **P. VIZUREANU**, A. PRUTEANU, R.C. FIERASCU, M.S. BALTATU, P. PIETRUSIEWICZ, A.V. SANDU, M. NABIAŁEK, Evolution and Prospects of Epoxy Materials: From Traditional to Advanced, in Epoxy - Materials, Applications and Advanced Technologies (ed. P. Vizureanu, M.S. Baltatu), 2025, 978-1-83634-316-5, Intech Open, DOI: 10.5772/intechopen.1012225. **13/2x7=0,92 p** 3. M.S. BĂLŢATU, P. VIZUREANU, A.V. SANDU, D.C. ACHITEI, D.D. BURDUHOS NERGIS, M.C. PERJU, M. NABIAŁEK, Biocomposites: Materials, Properties, and Applications, In Composite Materials - Science and Engineering, 2025, Intech Open, DOI: 10.5772/intechopen.1010197. **19/2x7=1,35 p** 4. Bălţatu M.S., Vizureanu P., Sandu A.V., Pruteanu A., Ciolacu F., Fierascu R., Spataru M.C. and Krawczyk M.B., Methods and Processing Techniques of Titanium Alloys, From the Edited Volume Titanium Alloys - Research and Future Trends, 2025, DOI: 10.5772/intechopen.1012294. **17/2x8=1,06 p** 5. Rafiza Abdul Razak, Alida Abdullah, Mohd Mustafa Al Bakri Abdullah, **Petrica Vizureanu**, Eva Arifi, Andrei Victor Sandu, Chapter 4: Geopolymer Lightweight Aggregate in Book Title: Geopolymers: Properties and Applications 1st Edition, CRC Press; 1st edition 2024, ISBN-10 : 1032486716, ISBN-13 : 978-1032486710, pages :52-61. **9/2x6 =0,75p** 6. Andrei Victor Sandu, Dumitru Doru Burduhos-Nergis, Petrica Vizureanu, Mohd Mustafa Al Bakri Abdullah, Liyana Jamaludin. Chapter 2: Geopolymers Overview, in Book Title: Geopolymers: Properties and Applications 1st Edition, CRC Press; 1st edition 2024, ISBN-10 : 1032486716, ISBN-13 : 978-1032486710, pages :18-41. **17/2x5=1,70** 7. Dumitru Doru Burduhos-Nergis, Petrica Vizureanu, Andrei Victor Sandu, Rafiza Abdul Razak, Romisuhani Ahmad, Chapter 1: Bibliometric Analysis of Research Trends in Geopolymers, in Book Title: Geopolymers: Properties and Applications 1st Edition, CRC Press; 2024, ISBN-10 : 1032486716, ISBN-13 : 978-1032486710, pages :1-17. **17/2x5=1,70** 8. P. VIZUREANU, M.S. BALTATU, A.V. SANDU, Novel Titanium Alloys for Tissue Engineering, in Novel Biomaterials for Tissue Engineering, 2024, 26 p. DOI: 10.5772/intechopen.112763 **26/2x3=4,33** 9. M.C. SPATARU, M.S. BALTATU, A.V. SANDU, P. VIZUREANU, General Trends on Biomaterials Applications: Advantages and Limitations, in Novel Biomaterials for Tissue Engineering, 2024, 25 p. DOI: 10.5772/intechopen.114838 **25/2x4=3,12** 10. M.S. BALTATU, P. VIZUREANU, A.V. SANDU, D.C. ACHITEI, M.C. PERJU, D.D. BURDUHOS-NERGIS and M. BENCHEA, Titanium – A Versatile Metal in Modern Applications, Titanium-Based Alloys - Characteristics and Applications, 2024, 21 p. DOI: 10.5772/intechopen.1005742 **21/2x7=1,50**		305,21

Structura activităţii	Restricţii Prof	Punctaj
11. Rafiza Abd Razak, Petrica Vizureanu, Mohd Mustafa Al Bakri Abdullah, Rosnita Mohamed, and Dickson Ling Chuan Hao, Chapter 6 Durability Testing Protocols for Concrete Made with Alternative Binders and Recycled Materials, 15 pag. **15/2x5=1,50** 12. Shayfull Zamree Abd Rahim, Mohd Mustafa Al Bakri Abdullah, Shafiq Ishak, Romisuhani Ahmad, and Petrica Vizureanu, Chapter 3, Geopolymer Prepared from Non-ferrous Metallurgical Slags: Synthesis, Mechanism and Microstructure, Book: Mining and Metallurgical Wastes Based Alkali-Activated Materials, Springer 2024 19 pag, **19/2x5=1,90** 13. Burduhos-Nergis D.P., Burduhos-Nergis D.D., Baltatu M.S., **Vizureanu P.,** Advanced Coatings for the Corrosion Protection of Metals, Materials Research Foundations, Vol 115 (2022) ISBN 978-1-64490-166-3, doi: 10.21741/9781644901670. Pages: 152 **152/2x4=19** 14. Burduhos-Nergis D.D., Burduhos-Nergis D.P., Baltatu M.S., **Vizureanu P.**, Ceramics and Composites, Preparation and Applications, Materials Research Foundations, vol. 117, 2022, ISBN 978-1-64490-170-0, doi: 10.21741/9781644901717. Pages 117 **117/2x4=14,64** 15. Baltatu M.S., Burduhos-Nergis D.D., Burduhos-Nergis D.P., **Vizureanu P.**, Advanced Metallic Biomaterials, Materials Research Foundations Vol. 118, 162 Pages, 2022, Print ISBN 978-1-64490-176-2, DOI: 10.21741/9781644901779, Pages 118 **118/2x4=14,75** 16. **Vizureanu P.**, Bălțatu M.S., Sandu A.V., Achitei D.C., Burduhos Nergis D.D., Perju M.C., New Trends in Bioactive Glasses for Bone Tissue: A review, Current Concepts in Dental Implantology - From Science to Clinical Research, IntechOpen, 2021, DOI: http://dx.doi.org/10.5772/intechopen.100567 – capitol de carte. Pages: 23 **23/2x6=1,92** 17. **Vizureanu P.**, Bălțatu M.S., Sandu A.V., Achitei D.C., Burduhos Nergis D.D., Perju M.C., Assessment of Solar Energy Potential Limits within Solids on Heating-Melting Interval, IntechOpen, 2022, DOI: 10.5772/intechopen.104847 – capitol de carte. Pages: 25 **25/2x6=2,08** 18. **Vizureanu P.,** Burduhos-Nergis D.D., Green Materials Obtained by Geopolymerization for a Sustainable Future, editura Materials Research Forum LLC, vol. 90 (2021) ISBN 978-1-64490-112-0, 212 pag. **212/2 x 2=53** 19. **Vizureanu P.,** Baltatu M.S., Titanium-Based Alloys for Biomedical Applications, editura Materials Research Forum LLC, volume 74 (2020) ISSN 2471-8890, 160 pag. **160/2 x 2=40** 20. **Petrică Vizureanu**, Mădălina Simona Bălțatu, Andrei Victor Sandu, **Chapter title**: Development of New Advanced Ti-Mo Alloys for Medical Applications, IntechOpen Books, 2020 DOI: http://dx.doi.org/10.5772/intechopen.91906, 19 pag. **19/2x3=3,16** 21. V. Geanta, I. Voiculescu, **P. Vizureanu**, A.V. Sandu, **Chapter title**: High Entropy Alloys for Medical Applications, High Entropy Alloys, IntechOpen Books, 2019, (DOI: 10.5772/intechopen.89318), 17 pag. **17/2x4=2,12** 22. Book title: Advances in Geopolymers Synthesis and Characterization, **Vizureanu P.,** Burduhos Nergis D.D., Sandu A.V., Burduhos Nergis D.P**., Baltatu M.S.,** The Physical and Mechanical Characteristics of Geopolymers Using Mine Tailings as Precursors, IntechOpen, 2021, DOI: 10.5772/intechopen.97807 – capitol de carte, 20 pag. **20 pag/2x4=2,5** 23. Book title: Cobalt, **Chapter title: Synthesis, Processing and Characterization of the Cobalt Alloys with Silicon Addition,** IntechOpen Books, **Petrică Vizureanu,** Mirabela Georgiana Minciuna, Gianina Iovan and Simona Stoleriu, IntechOpen Books, p. 23-48, 2018. **25 pag./2x4 = 3,13** 24. Book title: Shape-Memory Materials, Chapter title: Aspects Regarding Thermal-Mechanical Fatigue of Shape Memory Alloys, **Petrică Vizureanu**, Dragoș-Cristian Achiței, Mirabela-Georgiana Minciună and Manuela-Cristina Perju, IntechOpen Books, p.17-42, 2018. **25 pag./2x4 = 3,13** 25. Book title: Advanced Surface Engineering Research, Chapter title: Advanced Electro-Spark Deposition Process on Metallic Alloys, **Petrică Vizureanu**, Manuela-Cristina Perju, Dragoş-Cristian Achiţei and Carmen Nejneru, IntechOpen Books, p.45-68, 2018. **25 pag./2x4 = 3,13**		

Structura activităţii	Restricţii Prof	Punctaj
26. **Vizureanu, P**., Păun, V., Poll, E., Timofte, A., Agop, M., Chapter IV: Gauge Gravitational Field in a Fractal Space-Time editat în The Fractal and its Implications in the Materials Science, editori: Agop, M., Ioannou, PD., Nica, P.E., Păun, V., Athens University Press, 2008, Grecia, 32 pg. (26 rânduri/pg.) ISBN 978-960-92410-1-4. **32/2x5=3,20** 27. **Vizureanu, P.**, Experimental Programming in Materials Science, Mirea Publishing House, Moscow, 2006, 116 pg. (29 rânduri/pg.) ISBN 5-7339-0601-4. **116/2=58,00** 28. Agop, M., Ioannou, P., Vizureanu, P., Self-structuring Phenomena in Nature, Athens University Press, 2006, Grecia, 312 pg. (27 rânduri/pg.) ISBN 960-631-078-7. **312/2x3=52,00** 29. Agop, M., **Vizureanu, P.**, Chapter 19: On the plasma-superconducting tube interaction: a theoretical approach, editat în Particles and Fields, editori: M. Agop şi P.D. Ioannou, Athens University Press, 2005, Grecia, 6pg. (42 rânduri/pg.) ISBN 960-92410-0-X. **6/2x2=1,50** 30. Agop, M., **Vizureanu, P.**, Băcăiţă, S., Bahrim, C., Chapter 21: On the plasma-superconducting tube interaction by means of the electrical double-layers, editat în Particles and Fields, editori: M. Agop şi P.D. Ioannou, Athens University Press, 2005, Grecia, 10 pg. (42 rânduri/pg.) ISBN 960-92410-0-X. **10/2x4=1,25** 31. **Vizureanu P**., Agop M., On the Transport Phenomena in Composite Materials using the Fractal Space-Time Theory, published in Advances in Composite Materials for Medicine and Nanotechnology, ISBN 978-953-307-235-7, publishing date: April 2011, pages 477-494. (8,50). **18/2x2=4,50**		
A1.1.1.2 Naţionale		
1. Ștefan, M., Vizureanu, P., Bejinariu, C., Bădărău, Gh., Manole, V., Studiul proprietăţilor termice ale materialelor, Editura Tehnopress, Iaşi, 2008, 294 pg. (43 rânduri/pg.) ISBN 978-973-702-566-1. **294/5x5=11,76** 2. Ștefan, M., Vizureanu, P., Bejinariu, C., Manole, V., Baze de date şi sisteme expert în selecţia şi proiectarea materialelor, vol. I, Editura Tehnopress, Iaşi, 2008, 298 pg. (43 rânduri/pg.) ISBN 978-973-702-514-2. **298/5x4=14,90** 3. Vizureanu, P., Ștefan, M., Baciu, C., Ioniţă, I., Baze de date şi sisteme expert în selecţia şi proiectarea materialelor, vol. II, Editura Tehnopress, Iaşi, 2008, 262 pg. (40 rânduri/pg.) ISBN 978-973-702-515-9. **262/5x4=13,10** 4. Ștefan, M., Bădărău, Gh., Ioniţă, I., Vizureanu, P., Răileanu, T., Baciu, C., Manole, V., Mihai, D., Conducerea automată şi informatizată în procesarea materialelor metalice, Editura Tehnopress, Iaşi, 2007, 372 pg. (43 rânduri/pg.) ISBN 978-973-702-438-1. **372/5x8=9,30** 5. Nicolae, A., Predescu, C., Nicolae, A., Vizureanu, P., Vasiliu, A., Minea, A., Operaţionalizarea conceptului DD în siderurgie, Editura Printech, Bucureşti, 2006, 376 pg. (40 rânduri/pg.) ISBN 978-973-718-562-4. **376/5x6=12,53** 6. Ștefan, M., Vizureanu, P., Mihai, D., Ioniţă, I., Manole, V., Corăbieru, P., Dănilă, C.I., Tehnici de regresie şi corelaţie în cercetarea esperimentală, Editura Tehnopress, Iaşi, 2006, 210 pg. (43 rânduri/pg.) ISBN978-973-702-343-8. **210/5x7=6,00** 7. Ștefan, M., Vizureanu, P., Manole, V., Modelare, optimizare şi simulare la încălzirea materialelor metalice, Editura Tehnopress, Iaşi, 2005, 184 pg. (43 rânduri/pg.) ISBN 973-702-280-7. **184/5x3=12,27** 8. Vizureanu, P., Dima, A., Tehnologia informaţiei, Editura Performantica, Iaşi, 2003, 118 pg. (47 rânduri/pg.) ISBN 973-8075-85-8. **118/5x2=11,80** 9. Dima, A., Popescu, R., Vizureanu, P., Minea, A., Cuptoare şi instalaţii de încălzire, vol. II, Editura Sedcom Libris, Iaşi, 1997, 184 pg. (29 rânduri/pg) ISBN 973-9818-71-4. **184/5x4=9,20** 10. Vizureanu, P. – Sisteme termice inteligente, Editura PIM, 2013, 265 pagini, ISBN 978-606-13-1214-6. **265/5=53** 11. Agop, M., Vizureanu, P., Buzea, C., Marin, C., Pseudo-ADN-ul materialelor inteligente, Editura Ars Longa Iaşi, 2014, 252pg, ISBN 978-973-148-165-4.**252/5x4=12,60** 12. Minciună M.G., Vizureanu P., Materiale metalice avansate pentru aplicații medicale, editura PIM, Iași, 2016, 178pg., ISBN 978-606-13-3529-9. **178/5x2=17,8**	2	221,36

Structura activităţii	Restricţii Prof	Punctaj
13. Baltatu M.S., **Vizureanu P**., Materiale Biocompatibile, editura PIM, Iasi, 2019, ISBN : 978-606-13-5168-8, 146 pagini. **146/5x2=14,6** 14. Minciuna M.G., **Vizureanu P.**, Baltatu M.S., Sisteme Moderne Pentru Aplicații Medicale, editura PIM, 2022, 135 pagini **135/5x2= 13,5** 15. Baltatu I., Baltatu M.S., Vizureanu P., Tendințe noi în dezvoltarea aliajelor biocompatibile pe bază de titan, Editura PIM, 2024, ISBN 978-606-13-8844-8, 135 pagini **135/5x3=9,00**		
A1.1.2 Cărţi/capitole ca editor		**856,12**
A1.1.2.1 Internaţionale		
1. Vizureanu P., **Baltatu M.S.,** Epoxy - Materials, Applications and Advanced Technologies, 2025, Published 10 December 2025, Doi10.5772/intechopen.1008044, ISBN978-1-83634-316-5, Print ISBN978-1-83634-317-2, eBook (PDF) ISBN978-1-83634-318-9, Number of pages 140 , **140/3x2=23,33 p** 2. Vizureanu P., Yamaguchi S., **Baltatu M.S.**, Göller G., Sandu A.V., Zamora-Ledezma C., Antoniac I.V., Functionalized Materials Applications in Biomedicine, CRC Press, 5 aug. 2025 - 420 pag., ISBN: 978-1-032-8137-9, DOI: 10.1201/9781003642855. **420/3x7=20p** 3. Baltatu M.S., Vizureanu P., Sandu A.V., Advances in New Functional Biomaterials for Medical Applications, 2024, Special Issue Advances in Crystals, https://doi.org/10.3390/books978-3-7258-0961-5, 166 pagini **166/3x3=18,44 p** 4. Vizureanu P., Baltatu M.S. (editors), Novel Biomaterials for Tissue Engineering, London, IntechOpen, 2024, DOI 10.5772/intechopen.110991, ISBN 978-1-83769-229-3, PRINT ISBN 978-1-83769-228-6, NUMBER OF PAGES 186, PART OF THE BOOK SERIES Biomedical Engineering **186/3x2=31,00 p** 5. Vizureanu P., Baltatu M.S. (editors), Titanium-Based Alloys - Characteristics and Applications, London, IntechOpen, Published24 July 2024, Doi10.5772/intechopen.1001617, ISBN978-0-85466-820-5, Print ISBN978-0-85466-821-2, eBook (PDF) ISBN978-0-85466-822-9, Copyright year2024, Number of pages200 **200/3x2=33,33 p** 6. Petrica Vizureanu, Mohd Mustafa Al Bakri Abdullah, Rafiza Abdul Razak, Dumitru Doru Burduhos-Nergis, Liew Yun-Ming and Andrei Victor Sandu (editors), Book: Geopolymers: Properties and Applications, CRC PRESS Taylor &Francis Group, 2024, ISBN-10 : 1032486716, ISBN-13 : 978-1032486710, **151/3x6=8,38** 7. Sandu A.V., Vizureanu P., Bakri Abdullah M.M.A. , Nabialek M., Arif Zainol M.R.R.M., Sandu I. (editors), Selected Papers from International Conference on Innovative Research ICIR EURINVENT 2024, Springer Proceedings in Materials, ISBN 978-3-031-81197-5 **99/3x6=5,5** 8. Sandu A.V., Vizureanu P., Bakri Abdullah M.M.A. , Nabialek M.,Ghazali C.M.R., Sandu I. (editors), Selected Papers from International Conference on Innovative Research ICIR EURINVENT 2024, Springer Proceedings in Materials, ISBN 978-3-031-81197-5 **216/3x6= 12,00** 9. T.Y. Ratushnaya, V.V. Savinkin, A.V. Sandu and P. Vizureanu, Technologies for Plasma Renovation of the Phase Structure of Substandard Turbine Blades of CHP, Materials Research Foundations Vol. 150, Publication Date 2023, 98 Pages, Print ISBN 978-1-64490-264-6 (release date September 2023), ePDF ISBN 978-1-64490-265-3, DOI: https://doi.org/10.21741/9781644902653 **98/3x4=8,16** 10. **Vizureanu, P.** – editor, Expert Systems, published by Intech, Vukovar, Croatia, 2010, 238 pages, on-line edition, ISBN 978-953-307-032-2, http://sciyo.com/books/show/title/expert-systems.**238/3=79,33** 11. **Vizureanu, P.** - editor, Expert Systems for Human, Materials and Automation, published by InTech, Rijeka, Croatia, 2011, 392 pages, on-line edition, ISBN 978-953-307-334-7, http://www.intechopen.com/books/show/title/expert-systems-for-human-materials-and-automation.**392/3=130,67**		832,46

Structura activităţii	Restricţii Prof	Punctaj
12. **Vizureanu P.**, Agop M., On the Transport Phenomena in Composite Materials using the Fractal Space-Time Theory, published in Advances in Composite Materials for Medicine and Nanotechnology, ISBN 978-953-307-235-7, publishing date: April 2011, pages 477-494. **17/2=8,5** 13. **Vizureanu, P.**, Experimental Programming in Materials Science, Mirea Publishing House, Moscow, 2006, 116 pg. (29 rânduri/pg.) ISBN 5-7339-0601-4. **116/1=116 p** 14. Vizureanu, P. – editor, Advances in Expert Systems, published by Intech, Rijeka, Croatia, 2012, 120 pages, on-line edition, ISBN 978-953-51-0888-7, http://www.intechopen.com/books/advances-in-expert-systems. **120/3=60,00** 15. **Vizureanu, P.** – editor, Thermodynamics and Energy Engineering, Intech Open, 2020, ISBN 978-1-83880-569-2, DOI: 10.5772/intechopen.79004, 257 pag.. **257/3=85,66** 16. **Vizureanu, P.** – editor, Botelho C.M.D.C.F.- co-editor, Biomaterials, Intech Open, 2020, ISBN: 978-1-78984-465-8, DOI: 10.5772/intechopen.87369, 149 pag. , **149/3x2=24,83** 17. **Vizureanu, P., -** editor, Special Issue Future Trends in Advanced Materials and Processes, Materials, ISBN 978-3-0365-6470-8, Published: February 2023, Pages: 352. **352/3= 117,33** 18. **Vizureanu, P.,** - editor, Latest Research on Energy Recovery, Intech Open, 2023, ISBN 978-1-80355-610-9, Pages: 150 , **150/3=50,0**		
A1.1.2.2 Naţionale		23.66
1. Constantin Baciu, Petrică Vizureanu, Aniela Adim, Reduceţi efortul! : lucrările simpozionului "Săptămâna Europeană pentru Securitate şi Sănătate în Muncă", [cu] tema "Reduceţi efortul!" : Vaslui 25-26 octombrie 2007, Iaşi : Pim, 2007, ISBN: 9789737167361 9737167368, 267 p. : fig., tab. ; 24 cm.**267/7x3=12,71** 2. Constantin Baciu, Petrică Vizureanu; Ioan Popescu, Start sigur! : lucrările simpozionului "Săptămâna Europeană pentru Securitate şi Sănătate în Muncă", [cu] tema "Tinerii lucrători" : Piatra Neamţ 23-25 octombrie 2006, Iaşi : Pim, 2006, ISBN:9737163982 9789737163981, 230 p. : tab., graf., il., h., fig. ; 24 cm.**230/7x3=10,95**	2	23,66
A1.2 Material didactic/ Lucrări didactice		**133,90**
A1.2.1 Manuale didactice/ Monografii		
1. Vizureanu, P., Echipamente şi instalaţii de încălzire, Editura PIM, Iaşi, 2009, 316pg., ISBN 978-606-520-349-5. **316/10=31,60** 2. Vizureanu P., Materiale refractare, Editura PIM, Iaşi, 2007, 320pg., ISBN 978-973-716-581-7. **320/10=32,00** 3. Minciună M., **Vizureanu P**., Agregate si Instalaţii termice-indrumar de laborator, Editura PIM., Iaşi, 2016, 120 pg, ISBN 978-606-13-3357-8. **120/10x2=60,00**		123,60
A1.2.2 Îndrumătoare de laborator/aplicaţii		**10,30**
1. Vizureanu P., Echipamente şi instalaţii de încălzire – îndrumar de proiectare, Editura PIM, Iaşi, 2009, 128pg. (43 rânduri/pg), ISBN 978-606-520-350-1. **128/20=6,40** 2. Vizureanu P., Materiale refractare – îndrumar de laborator, Editura PIM, Iaşi, 2009, 78pg. (43 rânduri/pg), ISBN 978-606-520-351-8. **78/20=3,90**		10,30
PUNCTAJ TOTAL Domeniu de activitate A1		**1516,59**
A2. Activitatea de cercetare		
A2.1 Articole în reviste cotate ISI Thomson Reuters şi în volume indexate ISI proceedings		

Structura activităţii	Restricţii Prof	Punctaj
1. BURDUHOS NERGIS, Dumitru Doru; **VIZUREANU, Petrica**; DEÁK, György; TUDOR, Georgeta; SANDU, Andrei Victor, INTELLIGENT FILTRATION METHOD FOR MARINE POLLUTION DECONTAMINATION, International Journal of Conservation Science, 2025, Vol 16, Issue 4, p1993, IF:0,8 corresponding author **50*FI/5=8,00 p** 2. Shueb, M.I.; Mohamad, N.; Sapuan, S.Z.; Khee, Y.S.; Che Halin, D.S.; Sandu, A.V.; **Vizureanu, P.** Graphene Nanoplatelets Reinforced ABS Nanocomposite Films by Sonication-Assisted Cast Film Technique for Emission Shielding Application. Materials 2025, 18, 2645. https://doi.org/10.3390/ma18112645, IF:3,2 co-author **50*FI/7=22,85 p** 3. Sangar, A.S., Muhammad Nadzri, N.I., Che Halin, D.S., .; **Vizureanu, P.** et al. Vacuum Annealing-Induced Modifications in CoCrFeMnNi Thin Films: Surface Morphology, Conductivity, and Work Function. JOM 77, 4632–4640 (2025). https://doi.org/10.1007/s11837-025-07346-7, IF:2,3 corresponding author **50*FI/8=14,37 p** 4. Stambula, S; Jez, K; Major, M; Said, RM; **Vizureanu, P**; Nabialek, M; Jez, B, Research on Magnetic Anisotropy in Amorphous Materials with Soft Magnetic Properties, ACTA PHYSICA POLONICA A, Volume147, Issue 3, Page 162-164, DOI 10.12693/APhysPolA.147.162, IF:0,5 co-author **50*FI/6=4,16 p** 5. Cristina Jiménez-Marcos and Julia Claudia Mirza-Rosca and Madalina Simona Baltatu and **Petrica Vizureanu**, Preliminary studies of new heat-treated titanium alloys for use in medical equipment, Results in Engineering, 2025, 104477, vol. 25, https://doi.org/10.1016/j rineng.2025.104477. , IF:7,9 co-author **50*FI/4=98,75 p** 6. Nergis, DDB; **Vizureanu, P** and Sandu, AV, THE EFFECT OF WOOD ADDITION ON THE PROPERTIES OF GEOPOlyMERS: A SHORT REVIEW, ARCHIVES OF METALLURGY AND MATERIALS, 2025, 70(3), pp.1193-1198, IF:0,7 corresponding author **50*FI/3=11,66 p** 7. Minciuna, MG; **Vizureanu, P**; Sandu, AV; Istrate, B , EVALUATION OF WEAR MECHANISMS OF AN ALUMINUM ALLOY IN EMERGENCY APPLICATIONS, ARCHIVES OF METALLURGY AND MATERIALS, Volume 70, Issue 2, Page 913-920, DOI 10.24425/amm.2025.153494. IF:0,7 corresponding author **50*FI/4=8,75 p** 8. Wiratma, A.; Abdullah, M.M.A.B.; Him, M.S.I.I.; Stachowiak, T.; **Vizureanu, P.**; Zainal, F.F.; Romisuhani, A., Corrosion behavior of fly ash-based geopolymer concrete. Arch. Metall. Mater. 2025, 70, 1039–1054, IF:0,7 co-author. **50*FI/7=5,0 p** 9. Ivanova, O.V.; Savinkin, V.V.; Tuleshov, A.K.; Sandu, A.V.; **Vizureanu, P.**, The Effect of Vibration Frequency on the Physical and Mechanical Properties of the Material and the Phase Structure of the Pump Part, ARCHIVES OF METALLURGY AND MATERIALS, 2025, 70, 1353–1364, DOI: 10.24425/amm.2025.154488 IF:0,7 co-author **50*FI/5=7,00 p** 10. Hayazi, N.F.; Jaraman, P.; Halin, D.S.C.; Foudzi, F.M.; Nabialek, M.; **Vizureanu, P.**, Analysis of process parameters for resistance spot welding on galvanized steel using Taguchi method, ARCHIVES OF METALLURGY AND MATERIALS, 2025, 70, 39–46, DOI: 10.24425/amm.2025.152504, , IF:0,7 co-author **50*FI/6=5,83 p** 11. Jiménez-Marcos, C.; Mirza-Rosca, J.C.; Baltatu, M.S.; **Vizureanu, P.**, Two novel Ti-Mo-Ta-Zr alloys for medical devices: Their microstructure, corrosion resistance and microhardness characteristics, MATERIALS CHEMISTRY AND PHYSICS, 2025, 334, 130511, DOI: 10.1016/j.matchemphys.2025.130511, IF:4,7 co-author 50***FI/4=58,75** 12. Perju, M.-C.; Nejneru, C.; Cimpoeșu, R.; **Vizureanu, P.**; Sandu, A.V.; Minciună, M.G., Evaluation of physico-chemical properties of carboxymethyl cellulose quenching environment depending on the degree of thermal degradation. Arch. Metall. Mater. 2025, 70, 435–444, IF:0,7 co-author **50*FI/6=5,83 p** 13. Angelova, L., Burduhos-Nergis, D.D., Surleva, A. et al. Study of Heavy Metal Encapsulation in Geopolymerized Industrial Waste by Sequential Extraction. JOM 77, 1385–1394 (2025). https://doi.org/10.1007/s11837-024-07049-5, **IF:2,3 50*FI/7=16,42 p** 14. Hashim, A.N.; Salleh, M.A.A.M.; Ramli, M.M.; Abdullah, M.M.A.; Sandu, A.V.; Vizureanu, P. The behavior of Sn whisker growth on Sn-0.7Cu-0.05Ni solder joint during thermal cycling, JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, 2024, 35, 32, Article Number 2059, DOI: 10.1007/s10854-024-13805-9 F.I. 2.8 **50*FI/6=23,22**		3099,07

Structura activităţii	Restricţii Prof	Punctaj
15. Vizureanu, P.; Deák, G.; Burduhos Nergis, D.D.; Sandu, A.V. Remedial Solutions And Conservation Of Marine Environments: A Review, INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE, 2024, 15, 4, p. 1841 - 1854, DOI: 10.36868/IJCS.2024.04.16 F.I. 0.6 **50*FI/4=7,50** 16. Azani, A.; Halin, D.S.C.; Salleh, M.A.A.M.; Razak, K.A.; Abdullah, M.M.A.; Ramli, M.M.; Vizureanu, P.; Razak, M.F.S.A.; Sandu, A.V.; Mohamad, N., Surface Modification of GO/TiO2 Thin Film by Sodium Dodecyl Sulphate for Photocatalytic Applications, JOM, 2024, DOI10.1007/s11837-024-06694-0 F.I. 2.1 **50*FI/10=10,50** 17. Saberi, A.; Baltatu, M.S.; Vizureanu, P. Recent Advances in Magnesium–Magnesium Oxide Nanoparticle Composites for Biomedical Applications. Bioengineering 2024, 11, 508. https://doi.org/10.3390/bioengineering11050508 F.I.:3,8 **50*FI/3=63,33** 18. Saberi, A.; Baltatu, M.S.; Vizureanu, P. The Effectiveness Mechanisms of Carbon Nanotubes (CNTs) as Reinforcements for Magnesium-Based Composites for Biomedical Applications: A Review. Nanomaterials 2024, 14, 756. https://doi.org/10.3390/nano14090756 F.I.:4,4 **50*FI/3=73,33** 19. Baltatu, M.S.; Vizureanu, P.; Sandu, A.V. Advances in New Functional Biomaterials for Medical Applications. Crystals 2024, 14, 334. https://doi.org/10.3390/cryst14040334 F.I.:2,4 **50*FI/9=13,33** 20. Ilieva, D.; Angelova, L.; Radoykova, T.; Surleva, A.; Chernev, G.; Vizureanu, P.; Burduhos-Nergis, D.D.; Sandu, A.V. Characterization of Bulgarian Copper Mine Tailing as a Precursor for Obtaining Geopolymers. MATERIALS 2024, 17, 542. https://doi.org/10.3390/ma17030542 F.I.:3.1 **50*FI/8=19,38** 21. Rosnita Mohamed, Rafiza Abd Razak, Mohd Mustafa Al Bakri Abdullah, Shayfull Zamree Abd Rahim, Nurul Aida Mohd Mortar, Jitrin Chaiprapa, Somchai Tancharakorn, Md Azree Othuman Mydin, Petrica Vizureanu, Elucidation on alkali activation of slag with various solid-to-liquid ratios via heat evolution, Journal of Building Engineering, Volume 84, 2024, 108639, ISSN 2352-7102, https://doi.org/10.1016/j.jobe.2024.108639. F.I.: 6.7 **50*FI/9= 37,22** 22. L. Tóth, R.E. Fábián, P. Pinke, T.A. Kovács, M. Nabiałek, A.V. Sandu, P. Vizureanu, Comparison of the Properties of Cold Work Tool Steels with the Same Hardness but Different Manufacturing Processes The required important properties, ARCHIVES OF METALLURGY AND MATERIALS, 69, 3, 2024, 809-817, DOI: https://doi.org/10.24425/amm.2024.150900 . F.I. 0.7 **50*FI/7=5,00** 23. Anuar, AI; Parimin, N; Ahad, NA; Derman, MN; Garus, S; Vizureanu, P, HIGH TEMPERATURE ISOTHERMAL OXIDATION AT 950°C OF Ni-BASED Fe-40Ni-24Cr ALLOY, ARCHIVES OF METALLURGY AND MATERIALS, Volume 69, Issue 3, Page 1191-1198, DOI10.24425/amm.2024.150942, F.I. 0.7 **50*FI/6=5,83** 24. Zaiton, N. A. Z., Parimin, N., Hayazi, N. F., Zainal, F. F., Garus, S., Vizureanu, P., EFFECT OF HEAT TREATMENT TEMPERATURE ON ISOTHERMAL OXIDATION OF Ni-BASED Fe-33Ni-19Cr ALLOY, ARCHIVES OF METALLURGY AND MATERIALS, Volume 69, Issue 2, Page 747-752, DOI10.24425/amm.2024.149806 F.I. 0.7 **50*FI/6=5,83** 25. Garus, S; Sochacki, W.; Garus, J.; Rzacki, J.; Vizureanu, P.; Sandu, AV., Transmission of a Phononic Superlattice Made of Dynamic Materials, ACTA PHYSICA POLONICA A, 144, 5, 2023, 317-321; 10.12693/APhysPolA.144.317 F.I.:0.5 **50*FI/6=4,17** 26. Baltatu, M.S.; Vizureanu, P.; Sandu, A.V.; Solcan, C.; Hritcu, L.D.; Spataru, M.C. Research Progress of Titanium-Based Alloys for Medical Devices. Biomedicines 2023, 11, 2997. https://doi.org/10.3390/biomedicines11112997 F.I. 3.9 **50*FI/6=32,50** 27. Baltatu, M.S.; Vizureanu, P.; Sandu, A.V. Special Issue on Modern Biomaterials: Latest Advances and Prospects. Appl. Sci. 2023, 13, 11450. https://doi.org/10.3390/app132011450 F.I. 2.5 **50*FI/3=41,67** 28. Nurul Aqilah Mohamad , Sofiah Hamzah EMAIL logo , Nur Hanis Hayati Hairom , Mohd Salleh Amri Zahid , Khairol Annuar Mohd Ali , Che Mohd Ruzaidi Ghazali , Andrei Victor Sandu EMAIL logo , Mohd Mustafa al Bakri Abdullah, Petrica Vizureanu, Poly-ferric sulphate as superior coagulant: A review on preparation methods and properties, REVIEWS ON ADVANCED MATERIALS SCIENCE, https://doi.org/10.1515/rams-2022-0327) F.I. 3.6 **50*FI/9=20,00**		

Structura activităţii	Restricţii Prof	Punctaj
29. Mustapa, N.B.; Ahmad, R.; Al Bakri Abdullah, M.M.; Ibrahim, W.M.W.; Sandu, A.V.; Nemes, O.; Vizureanu, P.; Kartikowati, C.W.; Risdanareni, P. Effect of the Sintering Mechanism on the Crystallization Kinetics of Geopolymer-Based Ceramics. Materials 2023, 16, 5853. https://doi.org/10.3390/ma16175853 F.I. 3.1 **50*FI/9=17,22** 30. Oláh, A.; Machedon-Pisu, T.; Vizureanu, P. Wearing Resistance of Metal Coating Layers after Laser Beam Heat Treatment. Coatings 2023, 13, 1645. https://doi.org/10.3390/coatings13091645 F.I. 2.9 **50*FI/3=48,33** 31. Dumitru Doru Burduhos-Nergis, Petrica Vizureanu, Andrei Victor Sandu, Nicanor Cimpoeşu, MECHANICAL PERFORMANCE OF FLY ASH BLENDED GEOPOLYMER COMPOSITE REINFORCED WITH RECYCLED GLASS FIBERS, Environmental Engineering and Management Journal August 2023, Vol. 22, No. 8, 1329-1339, http://www.eemj.icpm.tuiasi ro/; http://www.eemj.eu, http://doi.org/10.30638/eemj.2023.110 F.I. 0.9 **50*FI/4=11,25** 32. Jimenez-Marcos, C.; Mirza-Rosca, J.C.; Baltatu, M.S.; Vizureanu, P. Effect of Si Contents on the Properties of Ti15Mo7ZrxSi Alloys. Materials 2023, 16, 4906. https://doi.org/10.3390/ma16144906 F.I. 3.1 **50*FI/4=38,75** 33. Wei, L.K.; Abd Rahim, S.Z.; Al Bakri Abdullah, M.M.; Yin, A.T.M.; Ghazali, M.F.; Omar, M.F.; Nemeş, O.; Sandu, A.V.; Vizureanu, P.; Abdellah, A.E.-h. Producing Metal Powder from Machining Chips Using Ball Milling Process: A Review. Materials 2023, 16, 4635. https://doi.org/10.3390/ma16134635 F.I. 3.1 **50*FI/10=15,50** 34. Kong, L.; Heydari, Z.; Lami, G.H.; Saberi, A.; Baltatu, M.S.; Vizureanu, P. A Comprehensive Review of the Current Research Status of Biodegradable Zinc Alloys and Composites for Biomedical Applications. Materials 2 023, 16, 4797. https://doi.org/10.3390/ma16134797 F.I. 3.1 **50*FI/6=25,83** 35. Lai, Di Sheng, Osman, Azlin Fazlina, Adnan, Sinar Arzuria, Ibrahim, Ismail, Sandu, Andrei Victor, Rahim, Shayfull Zamree Abd and Vizureanu, Petrica. "The role of natural hybrid nanobentonite/nanocellulose in enhancing the water resistance properties of the biodegradable thermoplastic starch" e-Polymers, vol. 23, no. 1, 2023, pp. 20230014. https://doi.org/10.1515/epoly-2023-0014 F.I. 3.2 **50*FI/6=26,67** 36. Amli, S.F.M.; Salleh, M.A.A.M.; Aziz, M.S.A.; Yasuda, H.; Nogita, K.; Abdullah, M.M.A.B.; Nemes, O.; Sandu, A.V.; Vizureanu, P. Effects of Multiple Reflow on the Formation of Primary Crystals in Sn-3.5Ag and Solder Joint Strength: Experimental and Finite Element Analysis. Materials 2023, 16, 4360. https://doi.org/10.3390/ma16124360 F.I. 3.1 **50*FI/9=17,22** 37. Mustapa, N.B.; Ahmad, R.; Ibrahim, W.M.W.; Abdullah, M.M.A.B.; Wattanasakulpong, N.; Nemeş, O.; Sandu, A.V.; Vizureanu, P.; Sandu, I.G.; Kartikowati, C.W.; et al. Effect of Sintering Mechanism towards Crystallization of Geopolymer Ceramic—A Review. Materials 2023, 16, 4103. https://doi.org/10.3390/ma16114103 F.I. 3.1 **50*FI/9=17,22** 38. Nejneru, C.; Cimpoesu, R.; Vizureanu, P.; Epure, E.-L.; Perju, M.C.; Lupescu, Ş.-C. Study on the Thermal Fatigue Effect of Carboxymethylcellulose Solution Media Dissolved in Water as a Quenching Cooling Medium. Appl. Sci. 2023, 13, 6021. https://doi.org/10.3390/app13106021 F.I. 2.5 **50*FI/6=20,83** 39. Benea, L.; Ravoiu Lupu, A.; Bounegru, I.; Vizureanu, P. Effect of Functional Nanoporous TiO2 Film Obtained on Ti6Al4V Implant Alloy to Improve Resistance in Biological Solution for Inflammatory Conditions. Int. J. Mol. Sci. 2023, 24, 8529. https://doi.org/10.3390/ijms24108529 IF:5,6 F.I. 4.9 **50*FI/4=61,25** 40. Lates, C.G.; Dumitras, C.G.; Vizureanu, P.; Sandu, A.V. Heat Transfer Optimization of an Electronic Control Unit Immersed in Forced Liquid Coolant. Appl. Sci. 2023, 13, 5310. https://doi.org/10.3390/app13095310 F.I. 2.5 **50*FI/4=31,25** 41. Saleh, S.S.M.; Omar, M.F.; Akil, H.M.; Kudus, M.H.A.; Abdullah, M.M.A.B.; Sandu, A.V.; Vizureanu, P.; Halim, K.A.A.; Rasidi, M.S.M.; Mahamud, S.N.S.; et al. Preparation of Carbon Nanotubes/Alumina Hybrid-Filled Phenolic Composite with Enhanced Wear Resistance. Materials 2023, 16, 2772. https://doi.org/10.3390/ma16072772 F.I. 3.1 **50*FI/12=12,92**		

Structura activităţii	Restricţii Prof	Punctaj
42. Savinkin, V.V.; Ivanova, O.V.; Zhumekenova, Z.Z.; Sandu, A.V.; Vizureanu, P. Effect of New Design of the Laser Installation and Spraying Method on the Physical and Mechanical Properties the Inner Surface a Small Diameter Coated with 15Cr17Ni12V3F35ZrO2. Coatings 2023, 13, 514. https://doi.org/10.3390/coatings13030514 F.I. 2.9 **50*FI/5=29.00** 43. Chiriac, GG; Dumitras, CG; Chitariu, DF; Vizureanu, P; Sandu, AV. Title: Influence of Gravity on Passively Cooled Heat Sink Using Experimental Data and Finite Element Analysis, PROCESSES Volume: 11 Issue: 3 Article Number: 896 DOI: 10.3390/pr11030896 Published: MAR 2023 **F.I. 2,8. 50*FI/5=28.00** 44. Hashim, AN; Salleh, MAAM; Ramli, MM; Abdullah, MMA; Sandu, AV; Vizureanu, P; Sandu, IG, Effect of Isothermal Annealing on Sn Whisker Growth Behavior of Sn0.7Cu0.05Ni Solder Joint, Source: MATERIALS Volume: 16 Issue: 5 Article Number: 1852 DOI: 10.3390/ma16051852 Published: MAR 2023 **F.I. 3.1 50*FI/7=22.,14** 45. Aziz, IHA (Aziz, Ikmal Hakem A.); Abdullah, MMA (Abdullah, Mohd Mustafa Al Bakri); Razak, RA (Razak, Rafiza Abd); Yahya, Z (Yahya, Zarina); Salleh, MAAM (Salleh, Mohd Arif Anuar Mohd); Chaiprapa, J (Chaiprapa, Jitrin); Rojviriya, C (Rojviriya, Catleya); Vizureanu, P (Vizureanu, Petrica); Sandu, AV (Sandu, Andrei Victor); Tahir, MF (Tahir, Muhammad FaheemMohd); Abdullah, A (Abdullah, Alida); Jamaludin, L (Jamaludin, Liyana), Mechanical Performance, Microstructure, and Porosity Evolution of Fly Ash Geopolymer after Ten Years of Curing Age, MATERIALS Volume: 16 Issue: 3 Article Number: 1096 DOI: 10.3390/ma16031096 Published: FEB 2023 **F.I. 3.1 50*FI/12=12,92** 46. Ibrahim, WMAW (Ibrahim, Wan Mohd Arif W.); Abdullah, MMA (Abdullah, Mohd Mustafa Al Bakri); Jamil, NH (Jamil, Noorina Hidayu); Mohamad, H (Mohamad, Hasmaliza); Salleh, MAAM (Salleh, Mohd Arif Anuar Mohd); Sandu, AV (Sandu, Andrei Victor); Vizureanu, P (Vizureanu, Petrica); Baltatu, MS (Baltatu, Madalina Simona); Sukmak, P (Sukmak, Patimapon). Alkaline-Activation Technique to Produce Low-Temperature Sintering Activated-HAp Ceramic, APPLIED SCIENCES-BASEL Volume: 13 Issue: 4 Article Number: 2643 DOI: 10.3390/app13042643 Published: FEB 2023 **F.I. 2.5 50*FI/9=13,89** 47. Luhar, I (Luhar, Ismail); Luhar, S (Luhar, Salmabanu); Abdullah, MMA (Abdullah, Mohd Mustafa Al Bakri); Sandu, AV (Sandu, Andrei Victor); Vizureanu, P (Vizureanu, Petrica); Razak, RA (Razak, Rafiza Abdul); Burduhos-Nergis, DD (Burduhos-Nergis, Dumitru Doru); Imjai, T (Imjai, Thanongsak), Solidification/Stabilization Technology for Radioactive Wastes Using Cement: An Appraisal, Source: MATERIALS Volume: 16 Issue: 3 Article Number: 954 DOI: 10.3390/ma16030954 Published: FEB 2023 **F.I. 3.1 50*FI/8=19,38** 48. Mydin, MAO (Mydin, Md Azree Othuman); Abdullah, MMA (Abdullah, Mohd Mustafa Al Bakri); Razak, RA (Razak, Rafiza Abdul); Nawi, MNM (Nawi, Mohd Nasrun Mohd); Risdanareni, P (Risdanareni, Puput); Puspitasari, P (Puspitasari, Poppy); Sandu, AV (Sandu, Andrei Victor); Baltatu, MS (Baltatu, Madalina Simona); Vizureanu, P (Vizureanu, Petrica), Study on Polypropylene Twisted Bundle Fiber Reinforced Lightweight Foamed Concrete BUILDINGS Volume: 13 Issue: 2 Article Number: 541 DOI: 10.3390/buildings13020541 Published: FEB 2023 **F.I. 3.1 50*FI/9= 17,22** 49. Redzuan, SN (Redzuan, Siti Nadhirah); Noor, NM (Noor, Norazian Mohamed); Rahim, NAAA (Rahim, Nur Alis Addiena A.); Jafri, IAM (Jafri, Izzati Amani Mohd); Baidrulhisham, SE (Baidrulhisham, Syaza Ezzati); Ul-Saufie, AZ (Ul-Saufie, Ahmad Zia); Sandu, AV (Sandu, Andrei Victor); Vizureanu, P (Vizureanu, Petrica); Zainol, MRRMA (Zainol, Mohd Remy Rozainy Mohd Arif); Deak, G (Deak, Gyoergy), Characteristics of PM10 Level during Haze Events in Malaysia Based on Quantile Regression Method, ATMOSPHERE Volume: 14 Issue: 2 Article Number: 407 DOI: 10.3390/atmos14020407 Published: FEB 2023 **F.I. 2.5 50*FI/10=12,50** 50. Axinte, M (Axinte, Mihai); Vizureanu, P (Vizureanu, Petrica); Cimpoesu, N (Cimpoesu, Nicanor); Nejneru, C (Nejneru, Carmen); Burduhos-Nergis, DP (Burduhos-Nergis, Diana-Petronela); Epure, EL (Epure, Elena-Luiza), Analysis of Physicochemical Properties of W1.8507 Steel Parts with Sharp Edges, Thermochemically Treated by Plasma Nitriding with and without Polarized Screens, COATINGS Volume: 13 Issue: 1 Article Number: 177 DOI: 10.3390/coatings13010177 Published: JAN 2023, **F.I. 2.9 50*FI/6=24,17**		

Structura activităţii	Restricţii Prof	Punctaj
51. Halin, DSC (Halin, Dewi Suriyani Che); Azhari, AW (Azhari, Ayu Wazira); Salleh, MAAM (Salleh, Mohd Arif Anuar Mohd); Nadzri, NIM (Nadzri, Nur Izzati Muhammad); Vizureanu, P (Vizureanu, Petrica); Abdullah, MMA (Abdullah, Mohd Mustafa Al Bakri); Wahab, JA (Wahab, Juyana A.); Sandu, AV (Sandu, Andrei Victor), Metal-Doped TiO2 Thin Film as an Electron Transfer Layer for Perovskite Solar Cells: A Review, COATINGS Volume: 13 Issue: 1 Article Number: 4 DOI: 10.3390/coatings13010004 Published: JAN 2023 **F.I. 2.9 50*FI/8=18,13**		
52. Krishnamoorthy, U (Krishnamoorthy, Umapathi); Ayyavu, PG (Gandhi Ayyavu, Parimala); Panchal, H (Panchal, Hitesh); Shanmugam, D (Shanmugam, Dayana); Balasubramani, S (Balasubramani, Sukanya); Al-rubaie, AJ (Al-rubaie, Ali Jawad); Al-khaykan, A (Al-khaykan, Ameer); Oza, AD (Oza, Ankit D.); Hembrom, S (Hembrom, Sagram); Patel, T (Patel, Tvarit); Vizureanu, P (Vizureanu, Petrica); Burduhos-Nergis, DP (Burduhos-Nergis, Diana-Petronela), Efficient Battery Models for Performance Studies-Lithium Ion and Nickel Metal Hydride Battery, Source: BATTERIES-BASEL Volume: 9 Issue: 1 Article Number: 52 DOI: 10.3390/batteries9010052 Published: JAN 2023, **F.I. 4.6 50*FI/12=19,17**		
53. Magiswaran, K (Magiswaran, Kaiswariah); Norizan, MN (Norizan, Mohd Natashah); Mahmed, N (Mahmed, Norsuria); Mohamad, IS (Mohamad, Ili Salwani); Idris, SN (Idris, Siti Norhafizah); Sabri, MFM (Sabri, Mohd Faizul Mohd); Amin, N (Amin, Nowshad); Sandu, AV (Sandu, Andrei Victor); Vizureanu, P (Vizureanu, Petrica); Nabialek, M (Nabialek, Marcin); Salleh, MAAM (Salleh, Mohd Arif Anuar Mohd), Controlling the Layer Thickness of Zinc Oxide Photoanode and the Dye-Soaking Time for an Optimal-Efficiency Dye-Sensitized Solar Cell, Source: COATINGS Volume: 13 Issue: 1 Article Number: 20 DOI: 10.3390/coatings13010020 Published: JAN 2023 , **F.I. 2.9 50*FI/11=13,18**		
54. Roduan, S.F.; Wahab, J.A.; Salleh, M.A.A.M.; Mahayuddin, N.A.H.M.; Abdullah, M.M.A.B.; Halil, A.B.M.; Zaifuddin, A.Q.S.; Muhammad, M.I.; Sandu, A.V.; Baltatu, M.S.; **Vizureanu, P.** Effectiveness of Dimple Microtextured Copper Substrate on Performance of Sn-0.7Cu Solder Alloy. Materials 2023, 16, 96. https://doi.org/10.3390/ma16010096 **F.I. 3.1 50*FI/11=14,09**		
55. Selvan, M (Selvan, Mark); Aziz, MSA (Aziz, Mohd Sharizal Abdul); Salleh, MAAM (Salleh, Mohd Arif Anuar Mohd); Sharif, NM (Sharif, Nurulakmal Mohd); Khor, CY (Khor, Chu Yee); Ong, HP (Ong, Heng Pin); Zainol, MRRMA (Zainol, Mohd Remy Rozaini Mohd Arif); Vizureanu, P (Vizureanu, Petrica); Burduhos-Nergis, DP (Burduhos-Nergis, Diana-Petronela); Sandu, AV (Sandu, Andrei Victor), Influence of Fin Thickness on the Thermal Performance and Selection of Coating Method for a Bus Duct Conductor, COATINGS Volume: 13 Issue: 1 Article Number: 12 DOI: 10.3390/coatings13010012 Published: JAN 2023 , **F.I. 2.9 50*FI/10=14,50**		
56. Wattanapanich, C (Wattanapanich, Chirawat); Imjai, T (Imjai, Thanongsak); Garcia, R (Garcia, Reyes); Rahim, NL (Rahim, Nur Liza); Abdullah, MMA (Abdullah, Mohd Mustafa Al Bakri); Sandu, AV (Sandu, Andrei Victor); Vizureanu, P (Vizureanu, Petrica); Matasaru, PD (Matasaru, Petre Daniel); Thomas, BS (Thomas, Blessen Skariah), Computer Simulations of End-Tapering Anchorages of EBR FRP-Strengthened Prestressed Concrete Slabs at Service Conditions, MATERIALS Volume: 16 Issue: 2 Article Number: 851 DOI: 10.3390/ma16020851 Published: JAN 2023 **F.I. 3.1 50*FI/9=17,22**		
57. Achitei, D.C.; Baltatu, M.S.; **Vizureanu, P.**; Sandu, A.V.; Benchea, M.; Istrate, B. Ni-Cr Alloys Assessment for Dental Implants Suitability. Appl. Sci. 2022, 12, 12814. https://doi.org/10.3390/app122412814 **F.I. 2.5 50*FI/6=20,83**		
58. Mydin, M.A.O.; Abdullah, M.M.A.B.; Mohd Nawi, M.N.; Yahya, Z.; Sofri, L.A.; Baltatu, M.S.; Sandu, A.V.; **Vizureanu, P.** Influence of Polyformaldehyde Monofilament Fiber on the Engineering Properties of Foamed Concrete. Materials 2022, 15, 8984. https://doi.org/10.3390/ma15248984 **F.I. 3.1 50*FI/8=19,38**		
59. Nadzri, NIM (Nadzri, Nur Izzati Muhammad); Halin, DSC (Halin, Dewi Suriyani Che); Abdullah, MMA (Abdullah, Mohd Mustafa Al Bakri); Joseph, S (Joseph, Sudha); Salleh, MAAM (Salleh, Mohd Arif Anuar Mohd); Vizureanu, P (Vizureanu, Petrica); Burduhos-Nergis, DP (Burduhos-Nergis, Diana-Petronela); Sandu, AV (Sandu, Andrei Victor), High-Entropy Alloy for Thin Film Application: A Review, COATINGS Volume: 12 Issue: 12 Article Number: 1842 DOI: 10.3390/coatings12121842 Published: DEC 2022 **F.I. 2.9 50*FI/8=18,13**		

Structura activităţii	Restricţii Prof	Punctaj
60. Baidrulhisham, S.E.; Noor, N.M.; Hassan, Z.; Sandu, A.V.; **Vizureanu, P.**; Ul-Saufie, A.Z.; Zainol, M.R.R.M.A.; Kadir, A.A.; Deák, G. Effects of Weather and Anthropogenic Precursors on Ground-Level Ozone Concentrations in Malaysian Cities. Atmosphere 2022, 13, 1780. https://doi.org/10.3390/atmos13111780 **F.I.2.5 50*FI/10=12,50** 61. Baltatu, M.S.; Chiriac-Moruzzi, C.; **Vizureanu, P.**; Tóth, L.; Novák, J. Effect of Heat Treatment on Some Titanium Alloys Used as Biomaterials. Appl. Sci. 2022, 12, 11241. https://doi.org/10.3390/app122111241 FI. **F.I. 2.5 50*FI/5=25,00** 62. Jamil, N.H.; Abdullah, M.M.A.B.; Ibrahim, W.M.A.W.; Rahim, R.; Sandu, A.V.; **Vizureanu, P.**; Castro-Gomes, J.; Gómez-Soberón, J.M. Effect of Sintering Parameters on Microstructural Evolution of Low Sintered Geopolymer Based on Kaolin and Ground-Granulated Blast-Furnace Slag. Crystals 2022, 12, 1553. https://doi.org/10.3390/cryst12111553 **FI. 2,4, 50*FI/6=20,00** 63. Jiménez-Marcos C., Baltatu M.S., Florido-Suárez N.R., Socorro-Perdomo P.P., **Vizureanu P.**, Mirza-Rosca J.C. Mechanical properties and corrosion resistance of two new titanium alloys for orthopaedics applications, Materials Today: Proceedings, 2022. https://doi.org/10.1016/j matpr.2022.09.394. **50*0,1/6=0.83** 64. Jimenez-Marcos, C (Jimenez-Marcos, Cristina); Mirza-Rosca, JC (Mirza-Rosca, Julia Claudia); Baltatu, MS (Baltatu, Madalina Simona); Vizureanu, P (Vizureanu, Petrica), Experimental Research on New Developed Titanium Alloys for Biomedical Applications, BIOENGINEERING-BASEL Volume: 9 Issue: 11 Article Number: 686 DOI: 10.3390/bioengineering9110686 Published: NOV 2022 **FI. 3.8 50*FI/4=47,50** 65. Mohamad, I.S.; Norizan, M.N.; Mahmed, N.; Jamalullail, N.; Halin, D.S.C.; Salleh, M.A.A.M.; Sandu, A.V.; Baltatu, M.S.; **Vizureanu, P.** Enhancement of Power Conversion Efficiency with Zinc Oxide as Photoanode and Cyanococcus, Punica granatum L., and Vitis vinifera as Natural Fruit Dyes for Dye-Sensitized Solar Cells. Coatings 2022, 12, 1781. https://doi.org/10.3390/coatings12111781 **F.I. 2.9 50*FI/9=16,11** 66. Sofri, L.A.; Abdullah, M.M.A.B.; Sandu, A.V.; Imjai, T.; **Vizureanu, P.**; Hasan, M.R.M.; Almadani, M.; Aziz, I.H.A.; Rahman, F.A. Mechanical Performance of Fly Ash Based Geopolymer (FAG) as Road Base Stabilizer. Materials 2022, 15, 7242. https://doi.org/10.3390/ma15207242 **F.I. 3.1 50*FI/9=17,22** 67. Tahirukaj, M.; Surleva, A.; **Vizureanu, P.**; Olluri, B.; Sandu, A.V. Assessment of Persistence of Gunshot Residues Produced by Firearms from Criminal Cases in the Republic of Kosovo. Appl. Sci. 2022, 12, 10477. https://doi.org/10.3390/app122010477 **F.I. 2,5 , 50*FI/5=25,00** 68. Thanki, H.; Shah, S.; Oza, A.; **Vizureanu, P.**; Burduhos-Nergis, D.D. Sustainable Consumption: Will They Buy It Again? Factors Influencing the Intention to Repurchase Organic Food Grain. Foods 2022, 11, 3046. https://doi.org/10.3390/foods11193046 **F.I. 4.7 50*FI/5=47,00** 69. Arokiasamy, P.;Abdullah, MMA; Abd Rahim, SZ; Zainol, MRRMA; Salleh, MAAM; Kheimi, M; Chaiprapa, J.; Sandu, A.V.; **Vizureanu, P.**; Razak, R.A.; Jamil, NH. Metakaolin/sludge based geopolymer adsorbent on high removal efficiency of Cu2+. CASE STUDIES IN CONSTRUCTION MATERIALS 2022, 17, 01428. https://doi.org/10.1016/j.cscm.2022.e01428 **FI.5,1 50*FI/7=33,70** 70. Ahmad, R.; Ibrahim, W.M.W.; Abdullah, M.M.A.B.; Pakawanit, P.; **Vizureanu, P.**; Abdullah, A.S.; Sandu, A.V.; Ahmad Zaidi, F.H. Geopolymer-Based Nepheline Ceramics: Effect of Sintering Profile on Morphological Characteristics and Flexural Strength. Crystals 2022, 12, 1313. https://doi.org/10.3390/cryst12091313 **F.I. 2,4 50*FI/8=15,00** 71. Ibrahim, W.M.W.; Abdullah, M.M.A.B.; Ahmad, R.; Sandu, A.V.; **Vizureanu, P.**; Benjeddou, O.; Rahim, A.; Ibrahim, M.; Sauffi, A.S. Chemical Distributions of Different Sodium Hydroxide Molarities on Fly Ash/Dolomite-Based Geopolymer. Materials 2022, 15, 6163. https://doi.org/10.3390/ma15176163 **F.I. 3.1 50*FI/9=17,22** 72. Jamaludin, L.; Razak, R.A.; Abdullah, M.M.A.B.; **Vizureanu, P.**; Bras, A.; Imjai, T.; Sandu, A.V.; Abd Rahim, S.Z.; Yong, H.C. The Suitability of Photocatalyst Precursor Materials in Geopolymer Coating Applications: A Review. Coatings 2022, 12, 1348. https://doi.org/10.3390/coatings12091348 **F.I. 2.9 50*FI/9= 16,11**		

Structura activităţii	Restricţii Prof	Punctaj
73. Ul-Saufie, A.Z.; Hamzan, N.H.; Zahari, Z.; Shaziayani, W.N.; Noor, N.M.; Zainol, M.R.R.M.A.; Sandu, A.V.; Deak, G.; **Vizureanu, P.** Improving Air Pollution Prediction Modelling Using Wrapper Feature Selection. Sustainability 2022, 14, 11403. https://doi.org/10.3390/su141811403 **FI, 3,3 , 50*FI/10=16,50** 74. Hashim, N.M.; Noor, N.M.; Ul-Saufie, A.Z.; Sandu, A.V.; **Vizureanu, P.**; Deák, G.; Kheimi, M. Forecasting Daytime Ground-Level Ozone Concentration in Urbanized Areas of Malaysia Using Predictive Models. Sustainability 2022, 14, 7936. https://doi.org/10.3390/su14137936 **FI. 3,3 , 50*FI/7=23,57** 75. Yong-Sing, N.; Yun-Ming, L.; Cheng-Yong, H.; Abdullah, M.M.A.B.; Pakawanit, P.; **Vizureanu, P.**; Khalid, M.S.; Hui-Teng, N.; Yong-Jie, H.; Nabiałek, M.; Pietrusiewicz, P.; Garus, S.; Sochacki, W.; Śliwa, A. Improvements of Flexural Properties and Thermal Performance in Thin Geopolymer Based on Fly Ash and Ladle Furnace Slag Using Borax Decahydrates. Materials 2022, 15, 4178. https://doi.org/10.3390/ma15124178 **F.I. 3.1 50*FI/14=11,07** 76. Huzaim, N.H.M.; Rahim, S.Z.A.; Musa, L.; Abdellah, A.E.-h.; Abdullah, M.M.A.B.; Rennie, A.; Rahman, R.; Garus, S.; Błoch, K.; Sandu, A.V.; **Vizureanu, P.**; Nabiałek, M. Potential of Rapid Tooling in Rapid Heat Cycle Molding: A Review. Materials 2022, 15, 3725. https://doi.org/10.3390/ma15103725 **F.I. 3.1 50*FI/11=14,09** 77. Tahir, M.F.M.; Abdullah, M.M.A.B.; Rahim, S.Z.A.; Mohd Hasan, M.R.; Sandu, A.V.; **Vizureanu, P**.; Ghazali, C.M.R.; Kadir, A.A. Mechanical and Durability Analysis of Fly Ash Based Geopolymer with Various Compositions for Rigid Pavement Applications. Materials 2022, 15, 3458. https://doi.org/10.3390/ma15103458 **F.I. 3.1 50*FI/8=19,38** 78. Yusof, M.F.; Zainol, M.R.R.M.A.; Sandu, A.V.; Riahi, A.; Zakaria, N.A.; Shaharuddin, S.; Aziz, M.S.A.; Mohamed Noor, N.; **Vizureanu, P.**; Zawawi, M.H.; Ikhsan, J. Clean Water Production Enhancement through the Integration of Small-Scale Solar Stills with Solar Dish Concentrators (SDCs)—A Review. Sustainability 2022, 14, 5442. https://doi.org/10.3390/su14095442 **FI. 3,3, 50*FI/11=15,00** 79. Ramli, M.I.I.; Salleh, M.A.A.M.; Abdullah, M.M.A.B.; Aziz, I.H.; Ying, T.C.; Shahedan, N.F.; Kockelmann, W.; Fedrigo, A.; Sandu, A.V.; **Vizureanu, P.**; Chaiprapa, J.; Burduhos Nergis, D.D. The Influence of Sintering Temperature on the Pore Structure of an Alkali-Activated Kaolin-Based Geopolymer Ceramic. Materials 2022, 15, 2667. https://doi.org/10.3390/ma15072667 **F.I. 3.1 50*FI/12=12,92** 80. Zaimi, N.S.M.; Salleh, M.A.A.M.; Abdullah, M.M.A.-B.; Nadzri, N.I.M.; Sandu, A.V.; **Vizureanu, P**.; Ramli, M.I.I.; Nogita, K.; Yasuda, H.; Sandu, I.G. Effect of Kaolin Geopolymer Ceramics Addition on the Microstructure and Shear Strength of Sn-3.0Ag-0.5Cu Solder Joints during Multiple Reflow. Materials 2022, 15, 2758. https://doi.org/10.3390/ma15082758 **F.I. 3.1 50*FI/9=17,22** 81. Aziz, I.H.; Abdullah, M.M.A.B.; Salleh, M.A.A.M.; Ming, L.Y.; Li, L.Y.; Sandu, A.V.; **Vizureanu, P.;** Nemes, O.; Mahdi, S.N. Recent Developments in Steelmaking Industry and Potential Alkali Activated Based Steel Waste: A Comprehensive Review. Materials 2022, 15, 1948. https://doi.org/10.3390/ma15051948 **F.I. 3.1 50*FI/8=19,38** 82. Baltatu, I.; Sandu, A.V.; Vlad, M.D.; Spataru, M.C.; **Vizureanu, P.;** Baltatu, M.S. Mechanical Characterization and In Vitro Assay of Biocompatible Titanium Alloys. Micromachines 2022, 13, 430. https://doi.org/10.3390/mi13030430 **F.I. 3.0 50*FI/6=25,00** 83. Ramli, M.I.I.; Salleh, M.A.A.M.; Abdullah, M.M.A.B.; Zaimi, N.S.M.; Sandu, A.V.; **Vizureanu, P.**; Rylski, A.; Amli, S.F.M. Formation and Growth of Intermetallic Compounds in Lead-Free Solder Joints: A Review. Materials 2022, 15, 1451. https://doi.org/10.3390/ma15041451 **F.I. 3.1 50*FI/8=19,38** 84. Zailan, S.N.; Mahmed, N.; Abdullah, M.M.A.B.; Rahim, S.Z.A.; Halin, D.S.C.; Sandu, A.V.; **Vizureanu, P.**; Yahya, Z. Potential Applications of Geopolymer Cement-Based Composite as Self-Cleaning Coating: A Review. Coatings 2022, 12, 133. https://doi.org/10.3390/coatings12020133 **F..I. 2.9 50*FI/8=18,13** 85. Abdila, S.R.; Abdullah, M.M.A.B.; Ahmad, R.; Burduhos Nergis, D.D.; Rahim, S.Z.A.; Omar, M.F.; Sandu, A.V.; **Vizureanu, P.**; Syafwandi. Potential of Soil Stabilization Using Ground Granulated Blast Furnace Slag (GGBFS) and Fly Ash via Geopolymerization Method: A Review. Materials 2022, 15, 375. https://doi.org/10.3390/ma15010375 **F.I. 3.1 50*FI/8=19,38**		

Structura activităţii	Restricţii Prof	Punctaj
86. Azimi, Emy Aizat; Salleh, M. A. A. Mohd; Abdullah, Mohd Mustafa Al Bakri; Aziz, Ikmal Hakem A.; Hussin, Kamarudin; Chaiprapa, Jitrin; **Vizureanu, Petrica**; Yoriya, Sorachon; Nabialek, Marcin; Wyslocki, Jerzy J. EFFECT OF NAOH MOLAR CONCENTRATION ON MICROSTRUCTURE AND COMPRESSIVE STRENGTH OF DOLOMITE/FLY ASH-BASED GEOPOLYMERS. ARCHIVES OF METALLURGY AND MATERIALS. 2022, 67(3), 993-998. DOI: https://doi.org/10.24425/amm.2022.139693 **F.I. 0,7 50*FI/10=3,50** 87. Baltatu, I; Sandu, AV; Baltatu, MS; Benchea, M; Achitei, DC; Ciolacu, F; Perju, MC; **Vizureanu, P**; Benea, L. STRUCTURAL AND PHYSICAL CHARACTERIZATION OF NEW Ti-BASED ALLOYS. ARCHIVES OF METALLURGY AND MATERIALS. 2022, 67(1), 255-259. DOI: https://doi.org/10.24425/amm.2022.137499 **F.I. 0.7 50*FI/9=3,89** 88. Burduhos Nergis, D.D.; **Vizureanu, P**.; Sandu, A.V.; Burduhos Nergis, D.P.; Bejinariu, C. XRD and TG-DTA Study of New Phosphate-Based Geopolymers with Coal Ash or Metakaolin as Aluminosilicate Source and Mine Tailings Addition. Materials 2022, 15, 202. https://doi.org/10.3390/ma15010202 **F.I. 3.1 50*FI/5= 31,00** 89. Ibrahim, M; Ibrahim, WMW; Al, MM; Sauffi, AS; **Vizureanu, P.** EFFECT OF SOLID-TO-LIQUIDS AND Na2SiO3-TO-NaOH RATIO ON METAkAOLIN MEMBRANE GEOpOLyMERS. ARCHIVES OF METALLURGY AND MATERIALS. 2022, 67(2), 695-702. DOI: https://doi.org/10.24425/amm.2022.137808 **F.I. 0.7 50*FI/4=8,75** 90. Minciuna, MG; **Vizureanu, P;** Jez, B; Sindu, AV; Nabialek, M; Achitei, DC. CORRELATION BETWEEN MICROSTRUCTURE AND ELECTROCHEMICAL PROPERTIES OF Al-Si ALLOYS. ARCHIVES OF METALLURGY AND MATERIALS. 2022, 67(3), 1067-1070. DOI: https://doi.org/10.24425/amm.2022.139704 **F.I. 0.7 50*FI/6=5,83** 91. Nergis, DDB; **Vizureanu, P**; Lupescu, S; Nergis, DPB; Perju, MC; Sandu, AV. MICROSTRUCTURAL ANALYSIS OF AMBIENT CURED PHOSPHATE BASED-GEOPOLYMERS WITH COAL-ASH AS PRECURSOR. ARCHIVES OF METALLURGY AND MATERIALS. 2022, 67(2), 595-600. DOI: https://doi.org/10.24425/amm.2022.137795 **F.I. 0.7 50*FI/6=5,83** 92. Perju, MC; Nejneru, C; **Vizureanu, P**; Aelenei, AA; Sandu, AV; Sachelarie, L; Nabialek, M. SOME ASPECTS CONCERNING TITANIUM COVERAGE WITH HYDROxYAPATITE. ARCHIVES OF METALLURGY AND MATERIALS. 2022, 67(2), 521-527. DOI: https://doi.org/10.24425/amm.2022.137785 **F.I. 0.7 50*FI/7=5,00** 93. Voiculescu, I; Geanta, V; Chereches, T; **Vizureanu, P**; Stefanoiu, R; Rotariu, A; Mitrica, D., IMPACT BEHAVIOR OF THE BALLISTIC TARGETS PACKAGE COMPOSED OF DYNEEMA POLYMER AND HIGH ENTROPY ALLOY STRUCTURES. ARCHIVES OF METALLURGY AND MATERIALS. 2022, 67(2), 569-576. DOI: https://doi.org/10.24425/amm.2022.137792 **F.I. 0.7 50*FI/7=5,00** 94. Baltatu, M.S.; Sandu, A.V.; Nabialek, M.; **Vizureanu, P**.; Ciobanu, G. Biomimetic Deposition of Hydroxyapatite Layer on Titanium Alloys. Micromachines 2021, 12, 1447. https://doi.org/10.3390/mi12121447 **F.I. 3 50*FI/5=30,00** 95. I. LUHAR, S. LUHAR, M.M.A. ABDULLAH, R.A. RAZAK, P. VIZUREANU, A.V. SANDU, P.D. MATASARU, A State-of-the-Art Review on Innovative Geopolymer Composites Designed for Water and Wastewater Treatment, MATERIALS, 14 (23), 2021, Article Number 7456, DOI10.3390/ma14237456. **F.I. 3,3 50*FI/7=23,57** 96. Savinkin, VV; Sandu, AV; Ratushnaya, TY; Vizureanu, P; Kolisnichenko, SV; Omarov, MS, STUDY OF REDISTRIBUTION OF THE OIL COMPLEX POWER DRIVE FFECTIVENESS FOR MARGINAL WELLS WHEN INSTALLING CONSTRUCTION OF RECUPERATIVE ACTION ELECTRO HYDRO CYLINDER, BULLETIN OF THE TOMSK POLYTECHNIC UNIVERSITY-GEO ASSETS ENGINEERING, Vol 332, issue 2 , 2021, pp. 229-244, **F.I. 0.6 50*FI/6=5,00** 97. Spataru, M.C., Butnaru, M., Sandu, A.V., Vulpe, V., Vlad, M.D., Baltatu, M.S., Geanta, V., Voiculescu, I., **Vizureanu, P.**, Solcan, C., In-depth assessment of new Ti-based biocompatible materials, MATERIALS CHEMISTRY AND PHYSICS, Volume: 258, Article Number: 123959, Published: 2021, **F.I.: 4.3**. **50*FI/10=21,50**		

Structura activităţii	Restricţii Prof	Punctaj
98. Baltatu, M.S., **Vizureanu, P.**, Sandu, A.V., Munteanu, C., Istrate, B., Microstructural Analysis and Tribological Behavior of Ti-Based Alloys with a Ceramic Layer Using the Thermal Spray Method, COATINGS, Volume: 10, Issue: 12, Article Number: 1216, Published: 2020, **F.I.: 2.9 50*FI/5=29,00** 99. Paleu, C.C., Munteanu, C., Istrate, B., Bhaumik, S., **Vizureanu, P.**, Baltatu, M.S., Paleu, V., Microstructural Analysis and Tribological Behavior of AMDRY 1371 (Mo-NiCrFeBSiC) Atmospheric Plasma Spray Deposited Thin Coatings, COATINGS, Volume: 10, Issue: 12, Article Number: 1186, Published: 2020, **F.I.: 2.9 50*FI/7=20,71** 100. Titu, A.M., **Vizureanu, P.**, Titu, S., Sandu, A.V., Pop, A.B., Bucur, V., Ceocea, C., Boroiu, A., Experimental Research on the Cutting of Metal Materials by Electrical Discharge Machining with Contact Breaking with Metal Band as Transfer Object, MATERIALS, Volume: 13, Issue: 22, Article Number: 5257, Published: 2020**, F.I.: 3,1**. **50*FI/8=19,38** 101. Savin, A., Craus, M.L., Bruma, A., Novy, F., 11Malo, S., Chlada, M., Steigmann, R., **Vizureanu, P.**, Harnois, C., Turchenko, V., Prevorovsky, Z., Microstructural Analysis and Mechanical Properties of TiMo20Zr7Ta15Six Alloys as Biomaterials, MATERIALS, Volume: 13, Issue: 21, Article Number: 4808, Published: 2020, **F.I.: 3,1**, **50*FI/11=14,09** 102. Nabialek, M., Walters, S., **Vizureanu, P.**, Abdullah, M.M.A.B., Jez, B., Influence of Co and Zr Content on Creation of Crystalline Phases in Rapidly-Cooled, Injection-Cast Alloys Fe70Zr8-xCoxNb2B20 (where x=0, 2, 4, 6 or 8), ACTA PHYSICA POLONICA A, Volume: 138, Issue: 2, Pages: 152-155, Published: 2020, **F.I.:0,5. 50*FI/5=5,00** 103. Talar, M., Gondro, J., **Vizureanu, P.**, Abdullah, M.M.A.B., Bloch, K., The Influence of Heat Treatment on the Magnetic Properties of the Alloy Fe62Co10Y8B20 Produced by the Injection Suction Casting Method, ACTA PHYSICA POLONICA A, Volume: 138, Issue: 2, Pages: 185-188, Published: 2020, **F.I.:0,5. 50*FI/5=5,00** 104. Perju, M.C., Sandu, A.V., **Vizureanu, P.**, Nejneru, C., Tugui, C.A., Burduhos-Nergis, D.D., Microstructural Analysis of Ti/W/WC Deposition by ESD Method, ACTA PHYSICA POLONICA A, Volume: 138, Issue: 2, Pages: 214-217, Published: 2020, **F.I.:0,5. 50*FI/6=4,17** 105. **Vizureanu, P.**, Yamaguchi, S., Le, P.T.M., Baltatu, M.S., Biocompatibility Evaluation of New TiMoSi Alloys, ACTA PHYSICA POLONICA A, Volume: 138, Issue: 2, Pages: 283-286, Published: 2020, **F.I.:0,5**. **50*FI/4=6,25** 106. Burduhos-Nergis, D.P., **Vizureanu, P.**, Sandu, A.V., Bejinariu, C., Phosphate Surface Treatment for Improving the Corrosion Resistance of the C45 Carbon Steel Used in Carabiners Manufacturing, MATERIALS, Volume: 13, Issue: 15, Article Number: 3410, Published: 2020, **F.I.: 3,1. 50*FI/4=38,75** 107. Predescu, A.M., Vidu, R., **Vizureanu, P.**, Predescu, A., Matei, E; Predescu, C., Properties of Cu-xFe(3)O(4)Nanocomposites for Electrical Application, MATERIALS, Volume: 13 Issue: 14 Article Number: 3086, 2020, **F.I.: 3,1**. **50*FI/6=25,83** 108. Istrate, B., Munteanu, C., Lupescu, S., Chelariu, R., Vlad, M.D., **Vizureanu, P.**, Electrochemical Analysis and In Vitro Assay of Mg-0.5Ca-xY Biodegradable Alloys, MATERIALS, Volume: 13, Issue: 14, Article Number: 3082, Published: 2020, **F.I.: 3,1**. **50*FI/6=25,83** 109. Nergis, D.D.B., **Vizureanu, P.**, Ardelean, I., Sandu, A.V., Corbu, O.C., Matei, E., Revealing the Influence of Microparticles on Geopolymers' Synthesis and Porosity, MATERIALS, Volume: 13, Issue: 14, Article Number: 3211, Published: 2020, **F.I.: 3,1 50*FI/6= 25,83** 110. Azimi, E.A., Abdullah, M.M.A., **Vizureanu, P.**, Salleh, M.A.A.M., Sandu, A.V., Chaiprapa, J., Yoriya, S., Hussin, K., Aziz, I.H., Strength Development and Elemental Distribution of Dolomite/Fly Ash Geopolymer Composite under Elevated Temperature, MATERIALS, Volume: 13, Issue: 4, Article Number: 1015, Published: 2020, **F.I.: 3,1**. **50*FI/9=17,22** 111. **Vizureanu, P.**, Nabialek, M., Sandu, A.V., Jez, B., Investigation into the Effect of Thermal Treatment on the Obtaining of Magnetic Phases: Fe5Y, Fe23B6, Y2Fe14B and alpha Fe within the Amorphous Matrix of Rapidly-Quenched Fe61+xCo10-xW1Y8B20 Alloys (Where x=0, 1 or 2), MATERIALS, Volume: 13, Issue: 4, Article Number: 835, Published: 2020, **F.I.: 3,1**, **50*FI/4=38,75**		

Structura activităţii	Restricţii Prof	Punctaj
112. Burduhos-Nergis, D.P., **Vizureanu, P.**, Sandu, A.V., Bejinariu, C., Evaluation of the Corrosion Resistance of Phosphate Coatings Deposited on the Surface of the Carbon Steel Used for Carabiners Manufacturing, APPLIED SCIENCES-BASEL, Volume: 10, Issue: 8, Article Number: 2753, Published: 2020, **F.I.:2,5**. **50*FI/4=31,25** 113. Nergis, D.D.B., Abdullah, M.M.A., Sandu, A.V., **Vizureanu, P.**, XRD and TG-DTA Study of New Alkali Activated Materials Based on Fly Ash with Sand and Glass Powder, MATERIALS, Volume: 13, Issue: 2, Article Number: 343, Published: 2020, **F.I.: 3,1**, **50*FI/4=38,75** 114. Savin, A., Craus, M.L., Bruma, A., Novy, F., Minarik, P., Jabor, M., Malo, S., Steigmann, R., **Vizureanu, P.**, Harnois, C., Turchenko, V., Material properties mapping using complementary methods in titanium alloys TiMoSi used in medical application, LOW-DIMENSIONAL MATERIALS AND DEVICES 2020, Proceedings of SPIE, Volume: 11465, Article Number: 114650Z, Published: 2020. **50*0,1/11=0,45** 115. Savinkin, V.V., **Vizureanu**, P., Sandu, A.V., Ratushnaya, T.Y., Ivanischev, A.A., Surleva, A., Improvement of the Turbine Blade Surface Phase Structure Recovered by Plasma Spraying, COATINGS, Volume: 10, Issue: 1, Article Number: 62, Published: 2020, **F.I.:2.9**. **50*FI/6=** 116. Ming, L.Y., Sandu, A.V., Yong, H.C., Tajunnisa, Y., Azzahran, S.F., Bayuji, R., Abdullah, M.M.A., **Vizureanu, P.**, Hussin, K., Jin, T.S., Loong, F.K., Compressive Strength and Thermal Conductivity of Fly Ash Geopolymer Concrete Incorporated with Lightweight Aggregate, Expanded Clay Aggregate and Foaming Agent, REVISTA DE CHIMIE, Volume: 70, Issue: 11, Pages: 4021-4028, Published: 2019, **F.I.: 1,755**. **50*FI/6=14,63** 117. Sandu A.V., Baltatu M.S., Nabialek M., Savin A., **Vizureanu P.**, Characterization and Mechanical Proprieties of New TiMo Alloys Used for Medical Applications, Materials Published: 2019, 12(18), 2973. **F.I.: 3,1**. **50*FI/5=31,00** 118. Focsaneanu S.C., **Vizureanu P.**, Sandu A.V., Ciobanu G., Baltatu S.M., Vlad D., Experimental Study on the Influence of Zirconia Surface Preparation on Deposition of Hydroxyapatite, Revista de Chimie, vol. 70, nr.6, Published: 2019, pp. 2273-2275, **F.I.: 1,755**. **50*FI/6=14,63** 119. Burduhos Nergis, D.D., **Vizureanu, P.**, Corbu, O., Synthesis and Characteristics of Local Fly Ash Based Geopolymers Mixed with Natural Aggregates, REV.CHIM., Volume: 70, Issue: 4, Pages: 1262-1267, Published: 2019, F.I.: **1,755**. **50*FI/3=29,25** 120. Baltatu M.S., Tugui C.A., Perju M.C., Benchea M., Spataru M.C., Sandu A.V., **Vizureanu P.**, Biocompatible Titanium Alloys used in Medical Applications, REV.CHIM.,70, No. 4, Published: 2019, pag. 1302-1306, **F.I.: 1,755. 50*FI/7=12,54** 121. Minciuna, M.G., Achitei, D.C., **Vizureanu, P.**, Sandu, A.V., Nabialek, M., Electrochemical Evaluation of AISI 420 Steel after Several Heat Treatments, ACTA PHYSICA POLONICA A, Volume: 135, Issue: 2, Pages: 115-118, Published: 2019, **F.I.:0,5. 50*FI/5=5,00** 122. Nergis, DPB., Cimpoesu, N., **Vizureanu, P.**, Baciu, C., Bejinariu, C., Tribological characterization of phosphate conversion coating and rubber paint coating deposited on carbon steel carabiners surfaces, MATERIALS TODAY-PROCEEDINGS, Volume: 19, Published: 2019, Pages: 969-978 Part: 3. **50*0,1/5=1,00** 123. Araoyinbo, A. O., Abdullah, M. M. A. B., Rahmat, A., Azmi, A. I., **Vizureanu, P.**, Abd Rahim, W. M. F. Wan, Preparation of Heat Treated Titanium Dioxide (TiO2) Nanoparticles for Water Purification, Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 374, Article Number: UNSP 012084, 2018. **50*0,1/7=0,71** 124. Baltatu, M. S., **Vizureanu, P.**, Balan, T., Lohan, M., Tugui, C. A., Preliminary Tests for Ti-Mo-Zr-Ta Alloys as Potential Biomaterials, Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 374, Article Number: UNSP 012023, 2018. **50*0,1/5=1,00** 125. Minciuna, M. G., Achitei, D. C., **Vizureanu, P.**, Benchea, M., Sandu, A. V., The Effect of Heat Treatment and Corrosion Behavior of AISI420, Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 374, Article Number: UNSP 012039, 2018. **50*0,1/5=1,00** 126. Nergis, D. D. Burduhos, Abdullah, M. M. A. B., **Vizureanu, P.**, Tahir, M. F. M., Geopolymers and Their Uses: Review, Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 374, Article Number: UNSP 012019, 2018. **50*0,1/4=1,25** 127. Savin, A., **Vizureanu, P.**, Prevorovsky, Z., Chlada, M., Krofta, J., Baltatu, M. S., Istrate, B., Steigmann, R., Noninvasive Evaluation of Special Alloys for Prostheses Using Complementary Methods, Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 374, Article Number: UNSP 012030, 2018. **50*0,1/8=0,63**		

Structura activităţii	Restricţii Prof	Punctaj
128. Tugui, C. A., **Vizureanu, P.**, Perju, M. C., Savin, C., Nejneru, C., Baltatu, S. M., Bejinariu, C., Benchea, M., Assessment of Hard Thin Layers Deposited by Plasma Spray on Hydroboration, Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 374, Article Number: UNSP 012029, 2018. **50*0,1/8=0,63** 129. Sliwa, Agata, Sroka, Marek, Zukowska, Ludwina, Bloch, Katarzyna, **Vizureanu, Petrica**, Sandu, Andrei Victor, Numerical Analysis of Strength Properties of Anatomical General Surgical Tweezers, REVISTA DE CHIMIE, Volume: 69, Issue: 1, Pages: 187-190, **Published:**JAN 2018, **FI= 1,755. 50*FI/6=14,63** 130. Kasa, Siti Norbaya, Omar, Mohd Firdaus, Abdullah, Mohd Mustafa Al Bakri, Ismail, Ismarul Nizam, Ting, Sam Sung, Vac, Sebastian Calin, **Vizureanu, Petrica**, Effect of Unmodified and Modified Nanocrystalline Cellulose Reinforced Polylactic Acid (PLA) Polymer Prepared by Solvent Casting Method Morphology, mechanical and thermal properties, MATERIALE PLASTICE, Volume: 54, Issue: 1, Pag. 91-97, 2017. **FI= 0.6, 50*FI/7=4,29** 131. Gruszka, Konrad, Nabialek, Marcin, Szota, Michal, **Vizureanu, Petrica**, Abdullah, Mohd Mustafa Al Bakri, Bloch, Kasia, Sandu, Andrei Victor, The Study of Magnetization in Strong Magnetic Fields for Fe62-xCO10NbxY8B20 (X=0, 1, 2) Alloys, REVISTA DE CHIMIE Volume: 68, Issue: 2, Pages: 265-268, 2017.**FI= 1,755, 50*FI/6=14,63** 132. Baltatu, M. S., **Vizureanu, P**., Geanta, V., Nejneru, C., Tugui, C. A., Focsaneanu, S. C., Obtaining and Mechanical Properties of Ti-Mo-Zr-Ta Alloys, Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 209, Article Number: 012019, 2017.**50*0,1/6=0,83** 133. Halin, D. S. C., Abdullah, M. M. A. B., Mahmed, N., Malek, S. N. A. Abdul, **Vizureanu, P**., Azhari, A. W., Synthesis and Characterization of TiO2/SiO2 Thin Film via Sol-Gel Method, Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 209, Article Number: 012002, 2017. .**50*0,1/6=0,83** 134. Istrate, B., Munteanu, C., Lupescu, S., Benchea, M., **Vizureanu, P**., Preliminary Microstructural and Microscratch Results of Ni-Cr-Fe and Cr3C2-NiCr Coatings on Magnesium Substrate, Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 209, Article Number: 012024, 2017.**50*0,1/5=1,00** 135. Minciuna, M. G., **Vizureanu, P.**, Abdullah, M. M. B., Achitei, D. C., Istrate, B., Cimpoesu, R., Focsaneanu, S. C., Surface Characterization of New Biomaterials, Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 209, Article Number: 012022, 2017. **50*0,1/7=0,71** 136. Savin, A., Iftimie, N., **Vizureanu, P.**, Steigmann, R., Dobrescu, G. S., Electromagnetic Nondestructive Evaluation of Tubes using Data Mining Procedure, Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 209, Article Number: 012005, 2017.**50*0,1/5=1,00** 137. Tugui, C. A., **Vizureanu, P**, Morpho-Structural Characterization of WC20Co Deposited Layers, Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 209, Article Number: 012020, 2017, DOI: 10.1088/1757-899X/209/1/012020. **50*0,1/2=2,5** 138. Bălțatu M.S., **Vizureanu P.**, Mareci D., Burtan L.C., Chiruță C., Trincă L.C., Effect of Ta on the electrochemical behavior of new TiMoZrTa alloys in artificial physiological solution simulating in vitro inflammatory conditions, Materials and Corrosion-Werkstoffe und Korrosion, vol. 67 , nr. 12, 2016, pp. 1314-1320,**FI =1,6, 50*FI/6=13,33** 139. Bălțatu M.S., **Vizureanu P.**, Cimpoeșu R., Abdullah M.M.A.B., Sandu A.V., The Corrosion Behavior of TiMoZrTa Alloys Used for Medical Applications, Revista de Chimie, vol. 67, nr. 10, 2016, pp. 2100-2102, **FI= 1,755.. 50*FI/5=17,55** 140. M.G. Minciună, **P Vizureanu**, D.C. Achitei, A.V. Sandu, The advanced characteriyation of new alloy by Co-Cr-Mo system, Journal of Optoelectronics and Advanced Materials, Vol. 18, No. 7-8, p. 717-722, 2016, **F.I = 0,6. 50*FI/4= 7,50** 141. Jaya, H ; Omar, MF; Akil, HM ; Ahmad, ZA ; Zulkepli, NN ; Abdullah, MMA; Sandu, IG; **Vizureanu, P,** Effect of Surface Modification on Sawdust Reinforced High Density Polyethylene Composites Under a Wide Range of Strain Rates, MATERIALE PLASTICE, Volume: 53, Issue: 1, Pages: 85-90, Published: MAR 2016, **FI = 0,6. 50*FI/8=3,75**		

Structura activităţii	Restricţii Prof	Punctaj
142. Minciuna, MG, **Vizureanu, P** ; Mares, M; Nastasa, V ; Achitei, DC; Sandu, AV, Biocompatibility Study of CoCrMoSik Original Alloy Variants, REVISTA DE CHIMIE, Volume: 67, Issue: 2, Pages: 362-365, Published: FEB 2016, **FI =1,755. 50*FI/6=14,63** 143. Tugui C.A., **Vizureanu P.**, Iftimie N., Steigmann R, Some aspects over the quality of thin films deposited on special steels used in hydraulic blades, 7TH INTERNATIONAL CONFERENCE ON ADVANCED CONCEPTS IN MECHANICAL ENGINEERING Book Series: IOP Conference Series-Materials Science and Engineering ,Volume: 147, Article Number: UNSP 012040, DOI: 10.1088/1757-899X/147/1/012040, Published: 2016. **50*0,1/4=1,25** 144. Achitei D.C., Minciuna M.G., **Vizureanu P.**, Sandu A.V., Cimpoesu R., Istrate B., Study on structure and properties of CuZn40Pb alloy, INTERNATIONAL CONFERENCE ON INNOVATIVE RESEARCH - ICIR EUROINVENT 2016, Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 133, Article Number: UNSP 012015, DOI: 10.1088/1757-899X/133/1/012015, Published: 2016. **50*0,1/6=0,83** 145. Minciuna M.G., **Vizureanu P.**, Hanganu C., Achitei D.C., Popescu D.C., Focsaneanu S.C., The structural characterization of some biomaterials, type AISI 310, used in medicine, INTERNATIONAL CONFERENCE ON INNOVATIVE RESEARCH - ICIR EUROINVENT 2016, Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 133 Article Number: UNSP 012019, DOI: 10.1088/1757-899X/133/1/012019, Published: 2016. **50*0,1/6=0,83** 146. Perju M.C., Tugui C.A., Nejneru C., Axinte M., **Vizureanu P.**, ESD morphology deposition with WZr8 electrode on austenitic stainless steel support, INTERNATIONAL CONFERENCE ON INNOVATIVE RESEARCH - ICIR EUROINVENT 2016, Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 133, Article Number: UNSP 012025, DOI: 10.1088/1757-899X/133/1/012025, Published: 2016. **50*0,1/5=1,00** 147. Savin, A., Barsanescu, P.D., **Vizureanu, P.**, Stanciu, M.D., Curtu, I., Iftimie, N., Steigmann, R., Damage detection of carbon reinforced composites using nondestructive evaluation with ultrasound and electromagnetic methods, INTERNATIONAL CONFERENCE ON INNOVATIVE RESEARCH - ICIR EUROINVENT 2016, Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 133, Article Number: 012013, Published: 2016. **50*0,1/7=0,71** 148. Achitei D.C., Minciuna M.G., Abdullah M.M.A., Sandu A.V., Szota M., **Vizureanu P.**, Behavior of CuPb12Sn6 Alloys subjected to Heat Treatments, 2ND INTERNATIONAL CONFERENCE ON GREEN DESIGN AND MANUFACTURE 2016 (ICONGDM 2016), Book Series: MATEC Web of Conferences, Vol. 78, Article Number: UNSP 01082, DOI: 10.1051/matecconf/20167801082, Published: 2016. **50*0,1/6=0,83** 149. Minciuna, MG; **Vizureanu, P**; Achitei, DC ; Sandu, AV ;Berbecaru, A ; Sandu, IG, Structural characterization and properties analysis of CoCrMoSi Alloys, JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, Volume: 18, Issue: 1-2, Pages: 174-178, Published: JANFEB 2016, **F.I. = 0,6. 50*FI/6= 5,00** 150. Savin A., Steigmann R., Iftimie N., Novy F., **Vizureanu P**., Craus M.L., Fintova S., Nondestructive evaluation of the interface between ceramic coating and stainless steel by electromagnetic method, 7TH INTERNATIONAL CONFERENCE ON ADVANCED CONCEPTS IN MECHANICAL ENGINEERING, Book Series: IOP Conference Series-Materials Science and Engineering Volume: 147, Article Number: UNSP 012030, DOI: 10.1088/1757-899X/147/1/012030 Published: 2016. **50*0,1/7=0,71** 151. Tugui, CA ; Nejneru, C ; Galusca, DG ; Perju, MC ; Axinte, M ; Cimpoesu, N; **Vizureanu, P**, The influence of the Al deposition by MOC-CVD method on stainless steel thermal conductivity depending on the substrate roughness, JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, Volume: 17, Issue: 11-12, Pages: 1855-1861, Published: NOV-DEC 2015, **FI = 0,6. 50*FI/7= 4,29** 152. Stirbu, I ; **Vizureanu, P** ; Cimpoesu, R ; Dascalu, G ; Gurlui, SO; Bernevig, M ; Benchea, M; Cimpoesu, N ; Postolachee, P, Advanced metallic materials response at laser excitation for medical applications, JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, Volume: 17, Issue: 7-8, Pages: 1179-1185, Published: JUL-AUG 2015, **FI =0,6, 50*FI/9=3,33**		

Structura activităţii	Restricţii Prof	Punctaj
153. Achitei, DC ;**Vizureanu, P** ; Minciuna, MG ; Sandu, AV ; Buzaianu, A ; Dana, DI , Obtaining of New Flux Coated Electrodes used for Weldingbrazing Operations, MATERIALE PLASTICE, Volume: 52, Issue: 2, Pages: 165-167, Published: JUN 2015, **FI = 0,6. 50*FI/6= 5,00** 154. Minciuna, MG ; **Vizureanu, P**; Geanta, V ; Voiculescu, I ; Sandu, AV ; Achitei, DC; Vitalariu, AM, Effect of Si on the Microstructure and Mechanical Properties of Biomedical CoCrMo Alloy, REVISTA DE CHIMIE, Volume: 66, Issue: 6, Pages: 891-894, Published: JUN 2015, **FI = 1,755 , 50*FI/7=12,54** 155. Popescu D., **Vizureanu P.,** Minciuna, MG, Veliceasa, B. Alexa, O, Risk factors of titanium locking plate osteosynthesis, E-HEALTH AND BIOENGINEERING CONFERENCE (EHB), 2015. **50*0,1/5=1,00** 156. Steigmann, R ; Iftimie, N; Sturm, R ; **Vizureanu, P**; Savin, Complementary methods for nondestructive testing of composite materials reinforced with carbon woven fibers, Edited by:Oanta, E; Comaneci, R; Carausu, C; Placzek, M; Cohal, V; Topala, P; Nedelcu, D, MODERN TECHNOLOGIES IN INDUSTRIAL ENGINEERING (MODTECH2015), Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 95, Article Number: 012091, DOI: 10.1088/1757- 899X/95/1/012091, Published: 2015. **50*0,1/5=1,00** 157. Stirbu, I ;**Vizureanu, P** ; Cimpoesu, N ; Cimpoesu, R; Benchea, M,Implant Material for Sports Injuries, Edited by:Stanescu, M; Paunescu, M, 4TH INTERNATIONAL CONGRESS OF PHYSICAL EDUCATION, SPORT AND KINETOTHERAPY (ICPESK 2014), Pages: 169-174, Published: 2015. **50*0,1/5=1,00** 158. **Vizureanu, P**; Cimpoesu, N; Radu, V ; Agop, M, INVESTIGATIONS ON THERMAL CONDUCTIVITY OF CARBON NANOTUBES REINFORCED COMPOSITES, EXPERIMENTAL HEAT TRANSFER, Volume: 28, Issue: 1, Pages: 37-57, DOI: 10.1080/08916152.2013.803176, Published: 2015, **FI = 2.5, 50*FI/4=31,25** 159. Minciuna, MG ; **Vizureanu, P**; Achitei, DC ; Ghiban, B ; Sandu, AV ; Mareci, D ; Balan, A, Electrochemical Behaviour of CoCrMo and CoCrMoSi5 alloys at Different Simulated Physiological Medium, REVISTA DE CHIMIE, Volume: 65, Issue: 10, Pages: 1138-1141, Published: OCT 2014, **FI = 1,755, 50*FI/6=14,63** 160. Perju, MC; **Vizureanu, P ,** Chemical Compounds Analysis Developed on the Micro Alloying Area of Coating Layers Obtained by Impulse Discharge Method, REVISTA DE CHIMIE, Volume: 65, Issue: 6, Pages: 694-696, Published: JUN 2014, **FI = 1,755, 50*FI/2=43,88** 161. Stirbu, I; **Vizureanu, P** ; Cimpoesu, R ; Lungu, M; Bernevig, M ; Popa, RF , Chemical procedures for Ti-alloy based metallic surface modification, OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, Volume: 8, Issue: 3-4, Pages: 242-246, Published: MAR-APR 2014, **FI = 0,6, 50*FI/6=5,00** 162. Minciuna, MG; **Vizureanu, P**; Achitei, DC ; Ghiban, N; Sandu, AV; Forna, NC, Structural Characterization of Some CoCrMo Alloys with Medical Applications, REVISTA DE CHIMIE, Volume: 65, Issue: 3, Pages: 335-338, Published: MAR 2014, **FI = 1,755, 50*FI/6=14,63** 163. Nejneru, C; **Vizureanu, P**; Sandu, AV ; Grecu, A;Cimpoesu, N ,Thermal Fatigue of Some Synthetic Hardening Environments with CMC, REVISTA DE CHIMIE, Volume: 65, Issue: 2, Pages: 194-198, Published: FEB 2014, **FI = 1,755, 50*FI/5=17,55** 164. Achitei, DC, Abdullah, MMA, Sandu, AV, **Vizureanu, P** , On The Fatigue of Shape Memory Alloys, ADVANCED MATERIALS ENGINEERING AND TECHNOLOGY II, Book Series: Key Engineering Materials, Volume: 594-595, Pages: 133-139, 2014, **50*0,1/4=1,25** 165. Tugui, CA ; Axinte, M; Nejneru, C; **Vizureanu, P** ; Perju, MC; Chicet, D, Active Screen Plasma Nitriding Efficiency and Ecology, Edited by:Slatineanu, L; Merticaru, V; Nagit, G; Coteata, M; Axinte, E; Dusa, P; Ghenghea, L; Negoescu, F; Lupescu, O; Tita, I; Dodun, O; Musca, G, ENGINEERING SOLUTIONS AND TECHNOLOGIES IN MANUFACTURING, Book Series: Applied Mechanics and Materials, Volume: 657,Pages: 369. **50*0,1/6=0,83** 166. Achitei, DC ; **Vizureanu, P** ; Minea, AA; Al Bakri Abdullah, MM ; Minciuna, MG ; Sandu, AV,Improvement of Properties of Aluminum Bronze CuAl7Mn3 by Heat Treatments, Edited by:Slatineanu, L; Merticaru, V; Nagit, G; Coteata, M; Axinte, E; Dusa, P; Ghenghea, L; Negoescu, F; Lupescu, O; Tita, I; Dodun, O; Musca, G, ENGINEERING SOLUTIONS AND TECHNOLOGIES IN MANUFACTURING, Book Series: Applied Mechanics and Materials, Volume: 657, 2014, Pages: 412. **50*0,1/6=0,83**		

Structura activităţii	Restricţii Prof	Punctaj
167. Achitei, DC; Sandu, AV; Abdullah, MMA **Vizureanu, P** ; Abdullah, A, On The Structure of Shape Memory Alloys, Edited by:Abdullah, MMA; Jamaludin, L; Abdullah, A; AbdRazak, R; Hussin, K, ADVANCED MATERIALS ENGINEERING AND TECHNOLOGY II, Book Series: Key Engineering Materials, Volume: 594-595, Pages: 140-145, DOI: 10.4028/www.scientific net/KEM.594-595.140, Published: 2014, **50*0,1/5=1,00** 168. Cimpoesu, N ; Stanciu, S ; **Vizureanu, P** ; Cimpoesu, R; Achitei, DC ; Ionita, I, OBTAINING SHAPE MEMORY ALLOY THIN LAYER USING PLD TECHNIQUE, JOURNAL OF MINING AND METALLURGY SECTION B-METALLURGY, Volume: 50, Issue: 1, Pages: 69-76, DOI: 10.2298/JMMB121206010C, Published: 2014, **FI = 0.9. 50*FI/6=7,50** 169. Yahya, Z; Abdullah, MMA; Hussin, K; Ismail, KN; Sandu, AV; **Vizureanu, P**; Abd Razak, R, Chemical and Physical Characterization of Boiler Ash from Palm Oil Industry Waste for Geopolymer Composite, REVISTA DE CHIMIE Volume: 64 Issue: 12 Pages: 1408-1412 Published: DEC 2013, **FI: 1,755, 50*FI/7=12,54** 170. Dana, D; Sandu, IG; **Vizureanu, P**; Sandu, I, Study on the Corrosion Resistance of Welded-Brazed Joints, REVISTA DE CHIMIE, Volume: 64, Issue: 12, Pages: 1465-1467, Published: DEC 2013, **FI= 1,755 , 50*FI/4=21,94** 171. Dana, D; Sandu, IG; **Vizureanu, P**; Sandu, I, Metal inert gas weldingbrazing technological development and experimental results, JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, Volume: 15, Issue: 9-10, Pages: 1153-1161, Published: SEP-OCT 2013, **FI= 0,6. 50*FI/4= 7,50** 172. Sandu, AV; Bejinariu, C; Nemtoi, G; Sandu, IG; **Vizureanu, P**; Ionita, I; Baciu, C, New Anticorrosion Layers Obtained by Chemical Phosphatation, REVISTA DE CHIMIE, Volume: 64, Issue: 8, Pages: 825-827, Published: AUG 2013, , **FI= 1,755, 50*FI/7=12,54** 173. Dana D.,**Vizureanu, P**; Cimpoesu, R; Achitei, D, Technological Development Perspectives and Experimental Results of MIG Welding Soldering, STRUCTURAL INTEGRITY OF WELDED STRUCTURES, Book Series: Advanced Materials Research, Volume: 814, Pages: 54-59, DOI: 10.4028/www.scientific.net/AMR.814.54, Published: 2013, Conference: 10th International Conference on Structural Integrity of Welded Structures (ISCS13), Location: Timisoara, ROMANIA, Date: JUL 11-12, 2013. **50*0,1/4=1,25** 174. Nejneru, C; Axinte, M; **Vizureanu, P**; Perju, MC; Hopulele, I, POLARISED SCREEN INFLUENCE ON PLASMA DISCHARGE STABILITY FOR PLASMA NITRIDING TECHNIQUE, METALURGIA INTERNATIONAL, Volume: 18, Pages: 117-120, Special Issue: 5, Published: 2013 **FI= 0,134, 50*FI/5=1,34** 175. Perju, MC; Nejneru, C; **Vizureanu, P**; Axinte, M, THE SURFACE MODIFICATION OF LOW ALLOY STEEL WITH Ni ELECTRODE BY ELECTROSPARK DEPOSITION METHOD, METALURGIA INTERNATIONAL, Volume: 18, Pages: 174-177, Special Issue: 5, Published: 2013 **FI: 0,134, 50*FI/4=1,68** 176. Achitei, DC; **Vizureanu, P**; Galusca, DG; Dana, D, RESEARCH ON C35 STEEL ALUMINISATION, METALURGIA INTERNATIONAL, Volume: 18, Pages: 27-32, Special Issue: 6, Published: 2013 **FI: 0,134, 50*FI/4=1,68** 177. Nejneru, C; Grecu, A; **Vizureanu, P**; Axinte, M; Perju, MC, RESEARCHES ON THERMAL FATIGUE INFLUENCE CONCERNING QUENCHING COOLING CHARACTERISTICS FOR CARBOXIMETHYL CELLULOSE SOLUTION IN WATER, METALURGIA INTERNATIONAL, Volume: 18, Pages: 33-36, Special Issue: 6, Published: 2013. **FI= 0,134. 50*FI/5=1,34** 178. **Vizureanu, P**; Achitei, DC; Perju, MC; Dana, D, EXPERT SYSTEM TECHNIQUES USED IN MATERIALS SCIENCE, METALURGIA INTERNATIONAL, Volume: 18, Pages: 83-87, Special Issue: 6, Published: 2013 **FI= 0,134, 50*FI/4=1,68** 179. Minciuna, MG; **Vizureanu, P**, COBALT ALLOYS RESEARCH USED IN MEDICAL APPLICATIONS, METALURGIA INTERNATIONAL, Volume: 18, Pages: 123-126, Special Issue: 6, Published: 2013 **FI= 0,134, 50*FI/2=3,35** 180. Dana, D; **Vizureanu, P**; Cimpoesu, R; Ratoi, M, MAIN TECHNOLOGICAL PARAMETERS OF WELD-BRAZING TECHNOLOGY, METALURGIA INTERNATIONAL, Volume: 18, Pages: 122-125, Special Issue: 1, Published: 2013 **FI= 0,134, 50*FI/4=1,68**		

Structura activităţii	Restricţii Prof	Punctaj
181. Achitei, DC; **Vizureanu, P**; Dana, D; Cimpoesu, N, OBTAINING AND TERMOMECHANICAL FATIGUE BEHAVIOUR OF THE Cu75.9Zn16.8Al7.11 ALLOY, METALURGIA INTERNATIONAL, Volume: 18, Pages: 104-109, Special Issue: 2, Published: 2013 **FI= 0,134, 50*FI/4=1,68** 182. Dana, D; **Vizureanu, P**; Cimpoesu, R, MIG BRAZING-WELDING PROCESS IN THE NARROW JOINT, METALURGIA INTERNATIONAL, Volume: 18, Issue: 1, Pages: 15-18, Published: 2013 **FI= 0,134. 50*FI/3=2,23** 183. Stirbu, I ; **Vizureanu, P** ; Ratoi, M ; Cimpoesu, N,Electrochemical Deposition of Hydroxyapatite (RA) on Titanium Alloys for the Implant Surface Bio-functionalization, Book Group Author(s):IEEE, 2013 EHEALTH AND BIOENGINEERING CONFERENCE (EHB), Published: 2013. **50*0,1/4=1,25** 184. Stirbu I., **Vizureanu, P** ; Ratoi, M ; Cimpoesu, R,Obtaining Hydroxyapatite (HA) by Sol-Gel Method on Ti6Al4V Alloys Aiming the Implant's Surface Bio-Functionalization, Book Group Author(s):IEEE, 2013 E-HEALTH AND BIOENGINEERING CONFERENCE (EHB), Published: 2013. **50*0,1/4=1,25** 185. Rusu, S; **Vizureanu, P**; Rusu, I, EXPERIMENTAL DETERMINATION OF THE DOT PEEN MARKING IMPACT FORCE, METALURGIA INTERNATIONAL, Volume: 17, Issue: 12, Pages: 58-60, Published: 2012, **F.I.= 0,134, 50*FI/3=2,23** 186. Rusu, S; **Vizureanu, P**; Rusu, I, THE MICROSCOPIC ANALYSIS OF DOT-PEEN MARKING ON Al, Ni AND Ti ALLOYS, METALURGIA INTERNATIONAL, Volume: 17, Issue: 12, Pages: 61-64, Published: 2012, **F.I.= 0,134. 50*FI/3=2,23** 187. Dana, D; **Vizureanu, P**; Cimpoesu, R, BASIC BRAZE-WELDING OPERATION CHARACTERISTISTICS, METALURGIA INTERNATIONAL, Volume: 17, Issue: 6, Pages: 40-43, Published: 2012 **FI: 0,134. 50*FI/3=2,23** 188. Achitei D.C., **Vizureanu P**., Galusca D.G., Axinte M, THERMOMECHANICAL FATIGUE BEHAVIOUR OF SHAPE MEMORY ALLOY CU(75.4)ZN(18.6)AL(5.85), MODTECH 2012: NEW FACE OF T M C R, VOLS I AND II, Book Series: International Conference ModTech Proceeding Pages: 1-4, Published: 2012. **50*0,1/4=1,25** 189. Dana D., **Vizureanu P.**, Cimpoesu R., TECHNIQUES AND MATERIALS USED IN BRAZE-WELDING PROCESSES, MODTECH 2012: NEW FACE OF T M C R, VOLS I AND II, Book Series: International Conference ModTech Proceedings, p: 329-332, Published: 2012. **50*0,1/3=1,67** 190. Grecu A., **Vizureanu P.**, Baban C.I., Nejneru C., Axinte M., THERMAL FATIGUE INFLUENCE ON CARBOXYMETHYLCELLULOSE SINTHETIC QUENCHING ENVIRONMENTS, MODTECH 2012: NEW FACE OF T M C R, VOLS I AND II, Book Series: International Conference ModTech Proceedings p: 421-424, Published: 2012. **50*0,1/5=1,00** 191. Nejneru C., Perju M.C., **Vizureanu P.**, Axinte M.,COMPARATIVE STUDY ON THE SINGLE LAYER DEPOSITION OF Ti ON GRAY CAST IRON AND LOW ALLOY STEEL MATRIX USING ELECTROSPARK DEPOSITION METHOD, MODTECH 2012: NEW FACE OF T M C R, VOLS I AND II, Book Series: International Conference ModTech Proceedings, p: 665-668, Published: 2012. **50*0,1/4=1,25** 192. Perju M.C., Nejeneru C., **Vizureanu P.**, Stefanica R.G., XPS CHEMICAL ANALYSIS FOR THE MULTILAYER DEPOSITION WC/TiC/W ON GRAY CAST IRON USING ELECTRIC IMPULSE DISCHARGE METHOD, MODTECH 2012: NEW FACE OF T M C R, VOLS I AND II, Book Series: International Conference ModTech Proceedings, p: 737-740, Published: 2012. **50*0,1/4=1,25** 193. Dana D., **Vizureanu P.**, Rusu I., Buzaianu A., Rusu S., MODELLING OF THE STRESS(es) PROPAGATION FOR THE BRAZE-WELDING OF THIN STRUCTURES, MODTECH 2011: NEW FACE OF T.M.C.R., VOL I AND II, Book Series: International Conference ModTech Proceedings, p: 365-368. Published: 2011. **50*0,1/5=1,00** 194. Rusu S., **Vizureanu P**., Galusca D.G., Rusu I., Buzaianu A.,THE IN-DEPTH ANALISYS OF DOT PEEN VS. LASER MARKING ON THE NIMONIC 75 ALLOY FOR AERONAUTICAL APPLICATIONS, MODTECH 2011: NEW FACE OF T.M.C.R., VOL I AND II, Book Series: International Conference ModTech Proceedings, p: 1045-1048, Published: 2011. **50*0,1/5=1,00**		

Structura activităţii	Restricţii Prof	Punctaj
195. Hanganu, SC; Armencia, AO; Grigoras, S., **Vizureanu, P**., *Tribological Comparative Study on Two Composite Materials for Restorative Dental Applications in Smoking Affected Teeth*, Materiale Plastice, Volume: 47 Issue: 3 Pages: 375-378 Published: 2010, **F.I. 0,6. 50*FI/4=7,50** 196. **P. Vizureanu**, C. Samoilă, D. Cotfas, S. Kaplanis, *The Achievement of an Algorithm for the Design of a Solar Furnace*, Metalurgia International, vol. 15, nr. 2, pg. 5-14, 2010, **F.I. 0,134, 50*FI/4=1,68** 197. Nicanor, C; Ramona, CH; **Vizureanu, P**; , *Experimental And Theoretical Results Concerning Internal Friction Investigation Of A Shape Memory Alloy Based On Copper*, Metalurgia International Volume: 15 Issue: 12 Pages: 48-58 Published: 2010, **Factor de impact: 0,134**,**50*FI/3=2,23** 198. **Vizureanu, P**; Perju, MC; Galusca, DG;.,*Mass Transfer For Titan And Tungsten Electrode Coating Using Impulse Discharge Method*, Metalurgia International Volume: 15 Issue: 12 Pages: 59-64 Published: 2010, **Factor de impact: 0,134**,**50*FI/3=2,23** 199. Achitei, DC**; Vizureanu, P**; Stanciu, S;, *Studies Concerning Thermal Conductivity For Some Copper Base Memory Shape Alloys*, Modtech 2010: New Face of Tmcr, Proceedings Pages: 15-18 Published: 2010, conferinţă indexată în baza de date ISI Thomson Scientific.**50*0,1/3=1,67** 200. **Vizureanu, P**; Cornel, S; Cristian, AD; , *Interdisciplinary Researches Of The Potential Limits For The Solar Energy In Solids On Heating-Melting Range*, Modtech 2010: New Face of Tmcr, Proceedings Pages: 671-674 Published: 2010, conferinţă indexată în baza de date ISI Thomson Scientific.**50*0,1/3=1,67** 201. I. Nica, V. Rusu, M. A. Paun, C. Stefanescu, **P. Vizureanu**, A. Aluculesei, *Thermal Properties of Nanofilled and Microfilled Restorative Composites*, Revista MATERIALE PLASTICE ♦ 46 ♦ Nr. 4 ♦ 2009, pg. 431-434, **Factor de impact: 0,6, 50*FI/6=5,00** 202. C. Gh. Buzea, C. Bejinariu, Constantin, B., **P. Vizureanu**, M. Agop,*Motion of free particles in fractal space-time*, Freund Publishing House Ltd. International Journal of Nonlinear Sciences & Numerical Simulation, vol.10, Nr. 3, Shanghai 200051, China, 2009, **Factor de impact: 1.4, 50*FI/5=14,00** 203. A. Gaba, Ş. Iordache, M. Vlădescu, D. Ungureanu, **P. Vizureanu**, *Reducing of Pollutants Emissions and Heavy Liquid Fuels Consumption in Boilers by using of Additives*, Environmental Engineering and Management Journal, September/October 2009, Vol. 8, No.5, pg. 1241-1246, **Factor de impact: 0,9, 50*FI/5=9,00** 204. P. Nica, **P. Vizureanu**, M. Agop, S. Gurlui, C. Focsa, N. Forna, P.D. Ioannou, Z. Borsos, *Experimental and Theoretical Aspects of Aluminum Expanding Laser Plasma*, Japanese Journal of Applied Physics, 48 (2009), pages 066001-1 to 066001-7, doi: 10.1143/JJAP.48.066001, **Factor de impact: 1,5 50*FI/8=9,38** 205. C. Popa, **P. Vizureanu**, I. Casian Botez, C. M. Stoica, A. Nicuta, C. Nejneru, L. Bibire, A. Ghenadi, *Theoretical and Experimental Results on the Charge Transport in Plasma Structures Through Spontaneously Symmetry Breaking. New Transport Mechanisms in Composite Materials*, Revista Materiale Plastice, 46, Nr. 2, 2009, pg. 144-148, **F.I. 0,6, 50*FI/8=3,75** 206. **P. Vizureanu**, C. Samoilă, D. Cotfas, *Materials Processing using Solar Energy*, Environmental Engineering and Management Journal, March/April 2009, Vol.8, No.2, pg. 301-306, **Factor de impact:0,9, 50*FI/8=5,63** 207. Carabet, RG; **Vizureanu, P**; Perju, MC., *Sustainable Development And Disperse Precipitation Technologies, On Nanometric Level, Using Alternant Cycles*, Management of Technological Changes, Vol 2 Pages: 33-35 Published: 2009, **conferinţă indexată în baza de date ISI Thomson Scientific**.**50*0,1/3=1,67** 208. Perju, MC; **Vizureanu, P**; Carabet, RG; *Management And Improvement Of Surfaces Properties Through Deposition At Nanometric Level Using Impulse Electric Discharges*, Management of Technological Changes, Vol 2 Pages: 701-704 Published: 2009, **conferinţă indexată în baza de date ISI Thomson Scientific**.**50*0,1/3=1,67** 209. **Vizureanu P.**, *The analysis of the melting process of the materials in the solar furnaces*, Metalurgia International, vol. 14, nr. 5, pg. 5-9, 2009, **Factor de impact: 0,134 , 50*FI/1=6,7** 210. **P. Vizureanu**, *Expert System Designed for Heat Treatment Furnaces*, Metalurgia International, vol. 14, nr. 7, pg. 11-15, 2009, **Factor de impact: 0,134 , 50*FI/1=6,7**		

Structura activităţii	Restricţii Prof	Punctaj
211. Achiţei, D., Găluşcă, D.G., **Vizureanu, P.**, Carabet, R., Cimpoeşu, N., *Aspects Regarding Thermo-Mechanical Fatigue of Shape Memory Alloys*, Metalurgia International, vol. 14, nr. 3, pg. 45-48, 2009, **Factor de impact: 0,134 , 50*FI/5=1,34** 212. **Vizureanu, P.**, *The Heating Process of the Materials in the Solar Furnaces*, Metalurgia International, vol. 14, nr. 2, pg. 51-54, 2009, **Factor de impact: 0,134 , 50*FI/1=6,7** 213. P. Vizureanu, Expert System Designed for Heat Treatment Furnaces, Metalurgia International, vol. 14, nr. 7, pg. 66-71, 2009, **F.I.: 0,134**. **50*FI/1=6,7** 214. C. Nejneru, N. Cimpoeşu, S. Stanciu, **P. Vizureanu**, A. V. Sandu, *Sea Water Corrosion of a Shape Memory Alloy Type Cu-Zn-Al*, Metalurgia International, vol. 14, nr. 7, pg. 95-98, 2009, **Factor de impact: 0,134 , 50*FI/5=1,34** 215. Ioannou, P.D., Nica, P., Păun, V., **Vizureanu, P.**, Agop, M., *Waveparticle duality through an extended model of the scale relativity theory*, Physica Scripta, vol. 78, nr. 6, pg. 1-7, 2008, **Factor de impact: 2.6 , 50*FI/5=26,00** 216. Borsos, Z., Păun, V.P., Botez, I.C., Stoica, C.M., **Vizureanu, P.**, Agop, M., *Structural Conductivity of Carbon Nanotubes*, Revista de Chimie, vol. 59, nr. 10, pg. 1169-1171, 2008, **Factor de impact: 1.755, 50*FI/6=14,63** 217. **Vizureanu, P.**, Samoilă, C., *The analysis of heating process in solar furnaces*, Metalurgia International, vol. 13, nr. 2, pg. 5-10, 2008, , **IF= 0,134 , 50*FI/2=3,35** 218. Agop, M., **Vizureanu, P.**, Ioannou, P.D., *On the heat transfer in nanostructures*, Metalurgia International, vol. 13, nr. 8, pg. 10-20, 2008, **F.I.=0,134 , 50*FI/3=2,23** 219. Agop, M., **Vizureanu, P.**, Ioannou, P.D., *A theoretical approach of the quantum thermal conductance of electrons*, Metalurgia International, vol.13, nr. 7, pg. 43-47, 2008, **IF= 0,134 , 50*FI/3=2,23** 220. **Vizureanu, P.**, Agop, M., Botez, I.C., Ioannou, P.D., Vasilica, M., *Dendritic morphogenesis through the fractal theory*, Metalurgia International, vol. 13, nr. 5, pg. 79-83, 2008, **IF= 0,134 , 50*FI/5=1,34** 221. Grimberg, R., Udpa, L., Savin, A., Steigmann, R., **Vizureanu, P.**, Brumă, A., Udpa, S.S., *Remote field eddy current control using rotating magnetic field transducer: Application to pressure tubes examination*, Research in Nondestructive Evaluation, vol. 19, nr. 4. pg. 202-218, 2008, **Factor de impact: 1,0, 50*FI/7=0,71** 222. Buzea, C.Gh., Agop, M., Găluşcă, D.G., **Vizureanu, P.**, Ioniţă, I., *El Naschie's superconductivity in the time dependent Ginzburg-Landau model*, Chaos Solitons & Fractals, vol. 34, nr. 4, pg. 1060-1074, 2007, **Factor de impact: 5,3, 50*FI/5=53,00** 223. **Vizureanu, P.**, Agop, M., *A theoretical approach of the heat transfer in nanofluids*, Materials Transactions, vol. 48, nr. 11, pg. 3021-3023, 2007, **Factor de impact: 1,2 50*FI/2=30,00** 224. Agop, M., **Vizureanu, P.**, Chicos, L., Vasilica, M., Abacioaie, D., Ioannou, P.D., *Hydrodinamic model of scale relativity for nanomaterials (IV). Fractal patterns in discharges plasmas*, Metalurgia International, vol. 12, nr. 5, pg. 5-14, 2007, , **F.I.= 0,134 , 50*FI/6=1,12** 225. Agop, M., **Vizureanu, P.**, Gavanas-Pahome, I., Ioannou, P.D., *Hydrodinamic model of scale relativity for nanomaterials (III). Transport in nanostructures by means of a fractal Korteweg – de Vries type equation*, Metalurgia International, vol. 12, nr. 4, pg. 26-35, 2007, ,**F.I.= 0,134. 50*FI/4=1,68** 226. Agop, M., **Vizureanu, P.**, Nica, P., Mamut, E., Ioannou, P.D., *Hydrodinamic model of scale relativity for nanomaterials (II). The anomaly of the heat transfer in nanofluids by means of a differential negative thermal conductance*, Metalurgia International, vol. 12, nr. 3, pg. 24-29, 2007, , **F.I.= 0,134 , 50*FI/5=1,34** 227. Agop, M., **Vizureanu, P.**, Vasilica, M., Abacioaie, D., *Hydrodinamic model of scale relativity for nanomaterials (I)*, Metalurgia International, vol. 12, nr. 2, pg. 18-30, 2007, **IF= 0,134; 50*FI/4= 1,68** 228. **Vizureanu, P.**, Strul, M., *The analysis of a numerical method for radiation heating transfer in electric furnaces*, Metalurgia International, vol. 12, nr. 6, pg. 34-40, 2007, , **F.I.= 0,134; 50*FI/2=3,35**		

Structura activităţii	Restricţii Prof	Punctaj
229. Agop, M., Ioannou, P.D., Nica, P., Radu, C., Alexandru, A., **Vizureanu, P.**, *Fractal characteristic of the solidification process*, Materials Transactions, vol. 45, nr. 3, pg. 972-975, 2004, **Factor de impact: 1.2; 50*FI/6= 10,00** 230. Dima, A., Grancea, V., **Vizureanu, P**., Mathematic Modelling of Heat Processes in the *Industrial Furnaces*, International Heat Treating Conference, 18-20 April 1994, Schaumburg, Illinois, U.S.A., Proceedings of International Heat Treating Conference, pg.499-**501; 50*0,1/3=1,67**		
A2.2 Articole în reviste şi volumele unor manifestări ştiinţifice indexate în alte baze de date internaţionale		**38,89**
1. Bălțatu M. S., **Vizureanu P**., Bălțatu I., Burduhos Nergis D.D., Achitei D.C., Perju M.C., Electrochemical Behaviour of Ti-Mo Alloys for Medical Application in Biological Solution, IOP Conf. Series: Materials Science and Engineering 877 (2020) 012031, IOP Publishing, doi:10.1088/1757-899X/877/1/012031 European Journal Of Materials Science And Engineering. **50*0,08/6=0,66** 2. Tugui, C.A., **Vizureanu, P.**, Danila, N.A., Perju, M.C., Burduhos-Nergis, D.P., Ecological process for depositing thin layers with high tribology resistance for reconditioning the hydraulic turbines, IOP Conference Series: Materials Science and Engineering, 2020, 997(1), 012032. **50*0,08/5=0,8** 3. Axinte, M., **Vizureanu, P.**, Nejneru, C., Sandu, A.V., Perju, M.C., Surface quality improvements using active screen in plasma nitriding technology, AIP Conference Proceedings, 2020, 2291, 0023854. **50*0,08/5=0,8** 4. Burduhos Nergis, D.D., **Vizureanu, P.**, Opa, D., Minciuna, M.G., Abdullah, M.M.A.B., Influence of Microparticles on Setting Time and Micromorphology of Coal Ash Geopolymers, IOP Conference Series: Materials Science and Engineering, 2020, 877(1), 012044. **50*0,08/5=0,8** 5. Perju, M.C., Nejneru, C., **Vizureanu, P.**, Burduhos Nergis, D.D., Sandu, A.V., Microstructural Analysis of Multiple Layer Depositions on Cast Iron Using the Electrospark Deposition Method, IOP Conference Series: Materials Science and Engineering, 2020, 877(1), 012019. **50*0,08/5=0,8** 6. Ahmad, R., Abdullah, M.M.A.B., Ibrahim, W.M.W., **Vizureanu, P**., Tengah, M.S., Comparison Study on Microstructure Properties of Kaolin Based Geopolymer Ceramics with Addition of UHMWPE under Different Sintering Condition, IOP Conference Series: Materials Science and Engineering, 2020, 877(1), 012015. **50*0,08/5=0,8** 7. Burduhos-Nergis, D.P., Baciu, C., **Vizureanu, P.**, Lohan, N.M., Bejinariu, C., Materials types and selection for carabiners manufacturing: A review, IOP Conference Series: Materials Science and Engineering, 2019, 572(1), 012027. **50*0,08/5=0,8** 8. Burduhos Nergis, D.D., **Vizureanu, P.**, Andrusca, L., Achitei, D.C., Performance of local fly ash geopolymers under different types of acids, IOP Conference Series: Materials Science and Engineering, 2019, 572(1), 012026. **50*0,08/4=1,00** 9. Tudoran, S., Voiculescu, I., Geantă, V., Vizureanu, P., Marza Roşca, I., Pătraşcu, I., Gălbinaşu, B.M., Ciocoiu, R., Effects of the chemical composition on the microstructural characteristics of Ti-Nb-Ta-Zr alloys, IOP Conference Series: Materials Science and Engineering, 2019, 572(1), 012022. **50*0,08/8=0,5** 10. Baltatu I., **Vizureanu P.**, Baltatu M.S., Achitei D., Nabialek M., Structural Analysis Of Ti-Mo Alloys, European Journal Of Materials Science And Engineering, Vol. 4, Issue 1, 2019, PP. 44-50. **50*0,08/5=0,8** 11. Baltatu M.S., **Vizureanu P.**, Goanţă V., Tugui C.A., Voiculescu I., Mechanical tests for Ti-based alloys as new medical materials, IOP Conf. Ser.: Mater. Sci. Eng. 572, 2019 012029. **50*0,08/5=0,8** 12. Baltatu I., **Vizureanu P.**, Ciolacu F., Achiţei D.C., Bălţatu M.S., Vlad D., In Vitro study for new Ti-Mo-Zr-Ta alloys for medical use, IOP Conf. Ser.: Mater. Sci. Eng. 572, 2019, 012030. **50*0,08/5=0,8** 13. Catalin-Andrei TUGUI, **Petrica VIZUREANU**, Adriana SAVIN, Nicoleta IFTIMIE, Manuela Cristina PERJU, Nicanor CIMPOESU, Carmen NEJNERU, Quality Control of Thin Films Deposited on Special Steels Used in Hydraulic Blades, Advanced Materials Research, Vol. 1138,ISSN: 1662-8985, pp. 62-68, 2016 , **50*0,08/7=0,57** 14. D D Burduhos Nergis, M M A Abdullah and **P Vizureanu** „The effect of fly ash/alkaline activator ratio in class f fly ash based geopolymers" 2017 European Journal of Materials Science and Engineering 2 111-118. **50*0,08/3=1,33**		38,89

Structura activităţii	Restricţii Prof	Punctaj
15. Focșăneanu S.C., **Vizureanu P.**,Sandu A.V., Bălțatu M.S., Zirconia Dental Implant Materials, Materials Science Materials, ISSN: 1662-9752, Vol. 907, 2007, pp. 99-103. **50*0,08/4=1,00** 16. Achiței, D.C., **Vizureanu, P.**, Minciună., M.G., Mohd, M.A.B.A., Sandu, A.V., The analysis of metallic materials subjected to cycles of thermal and mechanical fatigue, Key Engineering MaterialsVolume 700, 2016, Pages 78-85, **50*0,08/5=0,8** 17. Iftimie, N., Steigmann, R., **Vizureanu, P.**, Faktorova, D., Savin, A., Electromagnetic sensors for improvement of damage detection in composite materials reinforced with carbon woven fibers, Key Engineering MaterialsVolume 660, 2015, Pages 317-322, **50*0,08/5=0,8** 18. Minciună., M.G., **Vizureanu, P.**, Achiței, D.C., Cimpoeșu R., Corrosion behavior in saline medium for a Cu-Zn casting alloy, Key Engineering Materials, ICIR 2015, Volume 660, 2015, Pages 68-74.**50*0,08/4=1,00** 19. Bălțatu M.S., **Vizureanu P.**, Țierean M.H., Minciună M.G., Achiței D.C., Ti-Mo Alloys used in medical applications, Advanced Materials Research, Vol. 1128, 2015, pp. 105-111.**50*0,08/5=0,8** 20. Bălțatu M.S**.**, Cimpoeșu R., **Vizureanu P.**, Achitei D.C., Minciuna M.G., Microstructural characterization of TiMoZrTa alloy, The Annals of „Dunărea de Jos" University of Galaţi, Fascicle IX. Metallurgy and materials science, nr. 4, 2015, pp. 23-26.**50*0,08/5=0,8** 21. Bălțatu M.S., **Vizureanu P.**, Istrate B., Physical and structural characterization of Ti-based alloy, International Journal of Modern Manufacturing Technologies, Vol. VII, No. 2, 2015, pp.12-17. **50*0,08/3=1,33** 22. D.C. ACHITEI, A.V. SANDU, M.M.A. BAKRI ABDULLAH, **P. VIZUREANU**, H. KAMARUDIN, Study on Quenching and Artificial Ageing on Al-Si Alloy, MATERIALS SCIENCE FORUM, Vol. 803, 2015, pp 209-215. **50*0,08/5=0,8** 23. Mahmed, N., Al Bakri Abdullah, M.M., Sandu, A.V., **Vizureanu P.**, Hannula S. P., Synthesis of nanosized silica and silver-doped silica nanoparticles for heat transfer fluids applications, Key Engineering Materials, ICIR 2015, Volume 660, 2015, Pages 155-160.**50*0,08/5=0,8** 24. M.C. PERJU, **P. VIZUREANU,** A.V. SANDU, The surface modification of cast iron with wolframelectrode by pulsed electricdischarge method, METALLURGY AND NEW MATERIALS RESEARCHES, Vol. XXI, No. 2/2013. **50*0,08/3=1,33** 25. M.G. Minciună, **P. Vizureanu**, A.A. Minea, D.C. Achiţei, Engineering biocompatible implant surface, Analele Universității Dunărea de Jos din Galați, Year XXXI, November 2013, Special Issue, p. 97- 99. **50*0,08/3=1,33** 26. M.G. Minciună, **P. Vizureanu**, D.C. Achiţei, V. Goanță, Ș.Toma, S.N. Baltatu, Obtaining and tensile strength study for non-precious alloys based cobalt, Analele Universității Dunărea de Jos din Galați, Fascicle IX, N. 2, 2014, p.29-35. **50*0,08/6=0,67** 27. M.G. Minciună, **P. Vizureanu**, D.C. Achiţei, N.Cimpoesu, Study of dimensional changes by dilatometric analysis for same CoCrMo alloys, The 46th International October Conference on Mining and Metallurgy, Bor Lake, Bor Serbia, ISBN 978-86-6305-026-6, p. 433-436. **10/4=2,50** 28. D.C. Achiţei, **P. Vizureanu**, M. G. Minciună, B Istrate, A. V. Sandu, Phases Analysis and Structural Characterization of CuAlMnFe Alloy, AFASES, ISSN, ISSN-L:2247-3173, 22 – 24 May, 2014, p. 13 – 18. **50*0,08/5=0,8** 29. D.C. Achiței, **P. Vizureanu**, D.I. Dană, M.G. Minciună, V. Grancea, Study of aluminium bronze, Mark CuAl9Mn2, Tehnomus, ISSN–1224–029X, No. 20-2013, p. 172 – 177. **50*0,08/5=0,8** 30. D.C. Achiței, **P. Vizureanu**, M. M. Al BAKRI ABDULLAH, A.V. Sandu, M.G. Minciună, C.A. Țugui. C25 Steel hardening by heat treatments and thin layers deposition, Metallurgy and Materials Researches, Vol. XXII, No. 2, 2014, p. 11-18. **50*0,08/6=0,67** 31. D.C. Achiţei, **P. Vizureanu**, M.G. Minciună, N.Cimpoesu, A.V. Sandu, Analysis of structural changes specific to Cu75Zn19Al5 alloy subjected to heat treatments, The 46th International October Conference on Mining and Metallurgy, Bor Lake, Bor Serbia, ISBN 978-86-6305-026-6, p. 428-432. **50*0,08/5=0,8** 32. Dragoș Cristian Achiţei, Dan Gelu Galusca, **Petrica Vizureanu**, Manuela Cristina Perju Elements of obtaining shape memory alloy, type CuZnAl - - International Conference "ARCAST 2012 - Casting from rigor of technique to art". Galaţi 2012, pp. 281-284, ISSN 2068-3510. **50*0,08/4=1,00**		

Structura activităţii	Restricţii Prof	Punctaj
33. Dragoş Cristian Achiţei, **Petrică Vizureanu**, Nicanor Cimpoesu, Dragos Dana Thermo-mechanical fatigue of CuZnAl shape memory alloy - - 44th International October Conference On Mining And Metallurgy, 1-3 October 2012, Serbia, Mining And Metallurgy Institute Bor and University of Belgrade, Technical Faculty Bor, ISBN 978-86-7827-042-0, pp. 401-404. **50*0,08/4=1,00** 34. **Petrică Vizureanu**, Dragoş Cristian Achiţei, Nicanor Cimpoesu, Dragos Dana Studies concerning thermal conductivity for shape memory alloy like CuAlMn - - 44th International October Conference On Mining And Metallurgy, 1-3 October 2012, Serbia, Mining And Metallurgy Institute Bor and University of Belgrade, Technical Faculty Bor, ISBN 978-86-7827-042-0, pp. 405 - 408. **50*0,08/4=1,00** 35. Ştefanică Roxana Gabriela, **Vizureanu Petrică**, Perju Manuela Cristina, Achitei Dragoş Cristian- Improvement of artificial ageing treatment of 7075 aluminum alloy using thermal cycles- Proceedings of The 15th International Conference Modern Tehnologies, Quality and Innovation ModTech 2011, volume II, pp. 1049-1052, 25-27 may 2011, Vadul lui Vodă, Chişinău, Republica Moldova, ISSN 2069-6736.**50*0,08/4=1,00** 36. Achiţei Dragoş Cristian, **Vizureanu Petrică**, Stanciu Sergiu, Ştefănică Roxana Gabriela, Cimpoeşu Nicanor Studies concerning thermal conductivity for some cooper base memory shape alloys- - Proceedings of The 14th International Conference Modern Tehnologies, Quality and Innovation ModTech 2010, volume II, pp. 15-18, 20-22 may 2010, Slănic Moldova, Romania, ISSN 2066-3919.**50*0,08/5=0,8** 37. Manuela Cristina Perju, **Petrică Vizureanu**, Roxana Gabriela Stefanică, Dragoş Cristian Achiţei Superficial hardening of cast iron with electrodes of Ti and W carbide by vibrating electrode deposition- - 41th International october conference on mining and metallurgy, 4-6 october 2009, Serbia, Mining and metallurgy institute Bor and University of Belgrade, Technical Faculty Bor, ISBN 978-86-7827-033-8, pp. 595-600.**50*0,08/4=1,00** 38. **Vizureanu Petrica**, Cornel Samoila, Dragos Cristian Achitei, Manuela Cristina Perju, Roxana Gabriela Stefanica, Daniel Cotfas Interdisciplinary researches of the potential limits for the solar energy in solids on the heating – melting range- - Proceedings of The 14th International Conference Modern Tehnologies, Quality and Innovation ModTech 2009, pp. 671-674, 20-22 may 2010, Iaşi, ISSN 2066 – 3919. **50*0,08/6=0,67** 39. Dragoş Achiţei, Roxana-Gabriela Carabet, **Petrica Vizureanu** The industrial applications of the shape memory alloys- - MITIP 2008, 10th International Conference on the modern information technology in the innovation processes of the industrial enterprises, 12-14 November 2008, Prague, Czech Republic, pp.347-351, ISBN 978-80-7043-738-4 ..**50*0,08/3=1,33** 40. Dragoş Cristian Achiţei, Dan Gelu Galusca, **Petrica Vizureanu**, Manuela Cristina Perju Elements of obtaining shape memory alloy, type CuZnAl- - International Conference "ARCAST 2012 - Casting from rigor of technique to art", Galaţi 2012, pp. 281-284, ISSN 2068-3510. **50*0,08/4=1,00** 41. Achitei Dragos Cristian, **Vizureanu Petrica**, Galusca Dan Gelu, Axinte Mihai Thermomechanical fatigue behaviour of shape memory alloy Cu75.4Zn18.6Al5.85- - Proceedings of The 16th International Conference Modern Tehnologies, Quality and Innovation ModTech 2012, volume I, pp. 1-5, 24-26 may 2012, Sinaia Romania, ISSN 2069-6736. **50*0,08/4=1,00** 42. Dragos Cristian Achitei, **Petrica Vizureanu**, Dan Gelu Galusca, Manuela Cristina Perju, Ramona Hanu Cimpoesu Study concerning thermal conductivity for Cu75.4Zn18.6Al5.85 alloy- - The annals of Dunarea de Jos University of Galati, fasc. IX, metallurgy and materials science, special issue – 2011, ISSN 1453-083X, pp. 21-24. **50*0,08/5=0,8**		
A2.3 Brevete de invenţie		**57,78**
A2.3.1 Internaţionale		
A2.3.2 Naţionale		
1. VIZUREANU P, Solar furnace for processing materials, has rotary working enclosure provided with metal envelope in which cut with opening is set , where solar radiation collected by solar energy supply system is projected to interior of enclosure, Patent Number(s): RO126961-A2;**25,00**		57,78

Structura activităţii	Restricţii Prof	Punctaj
2. VIZUREANU P, PREDESCU A, Expert system for the control of thermal systems, consists of a software component loaded in a computer and a hardware component consisting of a parallel programmable interface. Patent Number(s): RO126973-A2.**25/2=12,50** 3. VIZUREANU P, STEFANICA R G, ACHITEI D C, NEJNERU C, PERJU M C, Thermal treatment installation for cyclic ageing of aluminium alloys, Patent Number(s): RO128420-A2.**25/5=5,00** 4. RAILEANU T, HOPULELE I, FLORESCU A, COMANECI R, BEJINARIU C, SUSAN M, VIZUREANU P, BADARAU G, GRANCEA V, Mould mix moisture content continuous automatic metering technique, Patent Number(s): RO116362-B1.**25/9=2,78** **5.** BURDUHOS NERGIŞ DUMITRU DORU; VIZUREANU PETRICĂ; CORBU OFELIA CORNELIA; ABDULLAH MOHD MUSTAFA AL BAKRI; SANDU VICTOR ANDREI, GEOPOLIMER ECOLOGIC PE BAZĂ DE CENUŞĂ DE TERMOCENTRALĂ ŞI PULBERE DE STICLĂ DIN DEŞEURI RECICLATE, PENTRU APLICAŢII ÎN DOMENIUL CONSTRUCŢIILOR, ŞI PROCEDEU DE OBŢINERE A ACESTUIA, RO134321 (B1) OFICIUL DE STAT PENTRU INVENTII SI MARCI BUCURESTI, Nr. Cerere: a 2019 00038, Data de depozit: 25/01/2019/ Data publicarii mentiunii acordarii brevetului: 30/10/2024 BOPI nr. 10/2024 **25/5=5,00** **6.** TOMA ŞTEFAN-LUCIAN; SAVIN GABRIELA-ALINA; TOMA BOGDAN-FLORIN; BEJINARIU COSTICĂ; IONIŢĂ IULIAN; VIZUREANU PETRICĂ; BĂDĂRĂU GHEORGHE; SANDU ANDREI VICTOR; CAZAC ALIN-MARIAN; BURDUHOS NERGIŞ DIANA-PETRONELA, SISTEM DE DUZE UTILIZAT LA METALIZAREA PRIN PULVERIZARE TERMICĂ ÎN ARC ELECTRIC , RO134208 (B1), OFICIUL DE STAT PENTRU INVENTII SI MARCI BUCURESTI, Nr. Cerere: a 2018 01133, Data de depozit: 21/12/2018/ Data publicarii mentiunii acordarii brevetului: 30/04/2024 BOPI nr. 4/2024 **25/10=2,50** **7.** Geantă V., Voiculescu I., Ștefănoiu R., Binchiciu H., **Vizureanu P.**, Kelemen H., Codescu M.M., Sandu A.V., Bălțatu M.S., Marinescu V., ALIAJ CU ENTROPIE RIDICATĂ PENTRU APLICAȚII MEDICALE CHIRURGICALE DIN SISTEMUL METALURGIC FeMoTaTiZr ȘI TEHNOLOGIE DE OBȚINERE, RO134978 A2, depus in 29.11.2019 **25/10=2,50** **8.** ALIAJ CU ENTROPIE RIDICATĂ DIN SISTEMUL MoNbTaTiZr MICROALIAT CU YTRIU PENTRU APLICAȚII MEDICALE ȘI PROCEDEU DE CONSOLIDARE, Voiculescu I., Geantă V., Ștefănoiu R., Kelemen H., **Vizureanu P.**, Codescu M.M., Sandu A.V., Binchiciu Emilia Florina, Bălțatu M.S., Pătroi D., RO134977 A2, depus in 29.11.2019. **25/10=2,50**		
A2.4 Granturi/proiecte câştigate prin competiţie		**285**
A2.4.1 Director/responsabil		
A2.4.1.1 Internaţionale		0
1. Director de Proiect cu Ordinul IUCN nr. 397/27.05.2019, cu titlul: „Study of structure and properties of novel functional biomaterial by neutron scattering and complementary methods", contract nr. 4860-4-19/20 cod temă 04-4-1121-2015/2020 **20x1=20** 2. Study of structure and properties of novel functional biomaterial by neutron scattering and complementary methods, contract nr. 4860-4-19/20 cod temă 04-4-1121-2015/2020, Ordinul IUCN nr. 397/27.05.2019, Director de proiect, 2019-2020 **20x1=20** 3. Proiectul „Environmental footprint reduction though eco-friendly technologies of mine tailings recycling", COFUND-ERAMIN-3-RecMine, Director proiect: Vizureanu Petrică, Durata proiect: 2022 – 2024 **20x3=60** 4. Proiectul „Harnessing complementary curricular preparedness via sustainable management in response to civil and military pollution on the coastline, tributaries and lagoons in Black Sea's North,West,South zone", Call: EMFAF-2023-PIA-FLAGSHIP, Type of action: EMFAF-PJG, Proposal number: 101124670, Black Sea SIERRA, Director proiect: Vizureanu Petrică, Valoare proiect: 60 000 €, Durata proiect: 2023 – 2026 **20x3=60** 5. Proiectul "A new generation of metallic biomaterials as health solution for a sustainable life", Project ERA-MIN Joint Transnational Call 2023, Cool&SMartTit Project, Director proiect: Vizureanu Petrică, Valoare proiect: 617000 RON, Durata proiect: 2024 – 2027 **20x3=60**		220

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A2.4.1.2 Naţionale		
1. Proiectul Component 2, Contract PN-III-P1-1.2-PCCDI-2017-0239 – **2018-2021**:**"Aliaje biocompatibile pe bază de titan pentru protetica medicala din sisteme complexe microaliate – BioTIT"** din cadrul Proiectului Complex"MedicalMetMat - OBȚINEREA ȘI EXPERTIZAREA UNOR NOI MATERIALE BIOCOMPATIBILE PENTRU APLICAȚII MEDICALE".**5x3=15** **2.** Contract de finanţare pentru executie proiecte nr. 72-161/01.10.2008Programul PARTENERIATE IN DOMENIILE PRIORITARE, Categoria de proiect: PROIECTE COMPLEXE, Denumirea proiectului: Cercetari privind realizarea unei noi clase de aliaje (Al-Cu-Mn) si realizarea unui standard de oboseala termomecanica destinat aliajelor cu memoria formei, **5x3=15** **3.** Contract de finanţare pentru executie proiecte nr. 105/01.10.2007Programul IDEI, Categoria de proiect: Proiecte de cercetare exploratorie, Denumirea proiectului: Cercetari interdisciplinare de stabilire a limitelor de potential ale energiei solare in corpuri solide pe intervalul incalzire-topire, **5x2=10** 4. Contract de finanţare pentru executie proiecte nr. 171/20.07.2006Programul „Cercetare de excelenţă'' CEEX, Categoria de proiect: Modul: 1; Tip de proiect: P-CD, Denumirea proiectului: Sistem expert pentru comanda sistemelor termice, **5x3=15** 5. Grant Intern GI / MedTech_ 8 /2022, Aliaje pe bază de titan îmbunătățite pentru aplicații în medicină (MedTit), competiție organizată în cadrul TUIASI, Director de proiect: Vizureanu Petrica, Valoare proiect:20000lei **5 x 1=5** 6. Grant Intern GI/P6/2021, Proiect pentru susținerea capacității de publicare – PUBLICAȚII, competiție organizată în cadrul TUIASI, Director de proiect: Vizureanu Petrica, Valoare proiect:45000lei **5 x 1=5,00**		65
A2.4.2 Membru în echipa		**210,00**
A2.4.2.1 Internaţionale		
1. Grant agreement A-1695 înregistrat la UTI: nr. 6762/13.04.2009Finanţat de International Science and Technology Center (Moscova), Contractor: State Engineering University of Armenia, Denumirea proiectului: Nanotubes/diamond like carbon composite transparent conductive material for solar cell and conductive coating applications, **4x4=16** 2. Grant agreement no.: 218940/11.06.2008Programul SEVENTH FRAMEWORK PROGRAMME, THEME 5 Energy, THEME 7 Transport, Categoria de proiect: COLLABORATIVE PROJECT, Denumirea proiectului: Achieving Real Change with Innovative Transport Measures Demonstrating Energy Savings – ARCHIMEDES, (Call Identifier FP7-SST-2007-TREN-1_28june), 2008-2012, **4x4=16**		32,00
A2.4.2.2 Naţionale		
1 Contract de finanţare pentru executie proiecte nr. 72-163/01.10.2008**2x3=6** Programul PARTENERIATE IN DOMENIILE PRIORITARE Categoria de proiect: PROIECTE COMPLEXE Denumirea proiectului: Tehnologii de precipitare dispersă în stare solidă, la nivel nanometric, folosind câmpuri termice cu cicluri staţionare şi tranzitorii alternante 2 Contract de finanţare pentru executie proiecte nr. 72-167/01.10.2008**2x3=6** Programul PARTENERIATE IN DOMENIILE PRIORITARE Categoria de proiect: PROIECTE COMPLEXE Denumirea proiectului: Tehnologie inovativă de obţinere şi prelucrare superficială a straturilor subţiri metalice prin modificări structurale în câmp inductiv 3 Contract de finanţare pentru executie proiecte nr. 72-227/01.10.2008**2x3=6** Programul PARTENERIATE IN DOMENIILE PRIORITARE Categoria de proiect: PROIECTE COMPLEXE		178,00

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Denumirea proiectului: Straturi compozite avansate utilizate în terotehnică, obţinute prin pulverizare termică în arc electric activat 4 Contract de finanţare pentru executie proiecte nr. 275/31.10.2008**2x3=6** Programul PARTENERIATE IN DOMENIILE PRIORITARE Categoria de proiect: PROIECTE COMPLEXE Denumirea proiectului: Tehnologia de realizare a pieselor auto metalice cu straturi superficiale modificate zonal 5 Contract de finanţare pentru executie proiecte nr. 264/30.11.2008**2x3=6** Programul PARTENERIATE IN DOMENIILE PRIORITARE Categoria de proiect: PROIECTE COMPLEXE Denumirea proiectului: Tehnologia de rprelucrare în câmp inductiv a componentelor auto uşoare 6 Contract de finanţare pentru executie proiecte nr. 72-217/01.10.2008**2x3=6** Programul PARTENERIATE IN DOMENIILE PRIORITARE Categoria de proiect: PROIECTE COMPLEXE Denumirea proiectului: Sisteme expert destinate sistemelor criogenice aplicate oţelurilor 7 Contract de finanţare pentru executie proiecte nr. 71-086 / 18.09.2007**2x3=6** Programul PARTENERIATE IN DOMENIILE PRIORITARE Categoria de proiect: PROIECTE COMPLEXE Denumirea proiectului: Tehnologie modernă de obţinere a straturilor fosfatate de înaltă porozitate pentru prelucrarea plastică volumică a pieselor din industria de automobile 8 Contract de finanţare pentru executie proiecte nr. 71-049 / 18.09.2007**2x3=6** Programul PARTENERIATE IN DOMENIILE PRIORITARE Categoria de proiect: PROIECTE COMPLEXE Denumirea proiectului: Tehnologie inovativă de obţinere şi prelucrare superficială a straturilor subţiri metalice prin descărcare electrică 9 Contract de finanţare pentru executie proiecte nr. 71-071 / 2007**2x3=6** Programul PARTENERIATE IN DOMENIILE PRIORITARE Categoria de proiect: PROIECTE COMPLEXE Denumirea proiectului: Cercetari avansate privind obtinerea materialelor compozite cu ranfort sub forma de particule si ranfort stratificat 10 Contract de finanţare pentru executie proiecte nr. 191 / 20.07.2006**2x3=6** Programul „Cercetare de excelenta'' Categoria de proiect: Modul: 1; Tip de proiect: P-CD Denumirea proiectului: „Sistem automat pentru obţinerea piuliţelor olandeze din oţel prin extrudare indirectă la rece” 11 Contract de finanţare pentru executie proiecte nr. 135 / 20.07.2006**2x3=6** Programul „Cercetare de excelenta'' Categoria de proiect: Modul: 1; Tip de proiect: P-CD Denumirea proiectului: Dezvoltarea de noi concepte privind sinteza de materiale avansate prin combustie – CVD în câmp electromagnetic 12 Contract de finanţare pentru executie proiecte nr. 77 / 2006**2x3=6** Programul „Cercetare de excelenta'' Categoria de proiect: Modul: 1; Tip de proiect: P-CD Denumirea proiectului: Sisteme computerizate de filtrare si separare activate cu ultrasunete si controlate cu biosenzori pentru procese textile-FILTSOFTUS		

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13 Contract de finanţare pentru executie proiecte nr. 127 / 2006**2x3=6** Programul „Cercetare de excelenta'' Categoria de proiect: Modul: 1; Tip de proiect: P-CD Denumirea proiectului: Cercetari avansate asupra nanocompusilor intermetalici din interfata compozitelor aluminiu-fibre de carbon 14 Contract de finanţare pentru executie proiecte nr. 173 / 20.07.2006**2x3=6** Programul „Cercetare de excelenta'' Categoria de proiect: Modul: 1; Tip de proiect: P-CD Denumirea proiectului: Echipament de metalizare prevăzut cu sistem intelligent Fuzzy Logic pentru comanda şi controlul procesului de pulverizare termică 15 Contract de finanţare pentru executie proiecte nr. 179 / 20.07.2006**2x3=6** Programul „Cercetare de excelenta'' Categoria de proiect: Modul: 1; Tip de proiect: P-CD Denumirea proiectului: Tehnologia de fabricaţie a membranelor arc-disc pentru ambreiaje auto prin tratamente termomecanice controlate pe linii tehnologice automatizate de călire cambrată 16 Contract de finanţare pentru executie proiecte nr. 193 / 20.07.2006**2x3=6** Programul „Cercetare de excelenta'' Categoria de proiect: Modul: 1; Tip de proiect: P-CD Denumirea proiectului: Materiale multifuncţionale cu granulaţie ultrafină/nanometrică obţinută prin deformare plastică severă Autoritatea Contractantă: Agenţia Managerială de Cercetare Ştiinţifica, Inovare si Transfer Tehnologic - POLITEHNICA 17 Contract de finanţare pentru executie proiecte nr. 180 / 20.07.2006**2x3=6** Programul „Cercetare de excelenta'' Categoria de proiect: Modul: 1; Tip de proiect: P-CD Denumirea proiectului: Tehnologia de fabricaţie a componentelor auto uşoare (lagăre, cuzineţi, bucşe etc.) din semifabricate bimetalice obţinute din fază lichidă Autoritatea Contractantă: Agenţia Managerială de Cercetare Ştiinţifica, Inovare si Transfer Tehnologic - POLITEHNICA 18 Contract de finanţare pentru executie proiecte nr. 205 / 20.07.2006**2x3=6** Programul „Cercetare de excelenta'' Categoria de proiect: Modul: 1; Tip de proiect: P-CD Denumirea proiectului: Sisteme mecatronice mobile inteligente cu impact ecologic pentru echipamente textile 19 Contract de finanţare pentru executie proiecte nr. 92 / 20.07.2006**2x3=6** Programul „Cercetare de excelenta'' Categoria de proiect: Modul: 1; Tip de proiect: P-CD Denumirea proiectului: Dispozitiv de termostatare cu actuator pe bază de aliaj cu memoria formei 20 Contract de finanţare pentru executie proiecte nr. 293 / 13.09.2006**2x3=6** Programul „Cercetare de excelenta'' Categoria de proiect: Modul: 1; Tip de proiect: P-CD Denumirea proiectului: Sistem tehnologic performant pentru tragerea ţevilor din oţeluri inoxidabile cu vibraţii ultrasonice 21 Contract de finanţare pentru executie proiecte nr. 8 / 03.10.2005**2x3=6** Programul „Cercetare de excelenta''		

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Categoria de proiect: Modul: 1; Tip de proiect: P-CD Denumirea proiectului: Cercetări privind realizarea noii tehnologii de obţinere a sculelor de deformare plastică la rece tip ştanţe, matriţe, poansoane, dornuri de tragere, scule de laminare la rece – extrudare şi organelor de maşini supuse la uzare tip tije, axe, arbori, supape de presiune, nucă pivot, prin borocarbovanadizare rapidă, controlată electrotermic – BOVA CONTROL 22 Contract de finanţare pentru executie proiecte nr. 6110 / 2005**2x3=6** Programul „Cercetare de excelenta'' Categoria de proiect: Modul: 1; Tip de proiect: P-CD Denumirea proiectului: Dezvoltarea de noi concepte, tehnici şi abilităţi bazate pe metode sinergice de evaluare neinvazivă, a materialelor micro şi nanostructurate; estimări de ciclu de viaţă a structurilor realizate cu acestea – SINERMAT 23 Contract de finanţare pentru executie proiecte nr. 2040 / 15.09.2004**2x3=6** Programul RELANSIN' Categoria de proiect: PA Denumirea proiectului: Termostat cu actuator din material compozit inteligent, pentru sistemele de răcire ale motoarelor cu ardere internă Autoritatea Contractantă: Agenţia Managerială de Cercetare Ştiinţifica, Inovare si Transfer Tehnologic - POLITEHNICA 24 Contract de finanţare pentru executie proiecte nr. 2136 / 13.10.2004**2x2=4** Programul RELANSIN' Categoria de proiect: PED Denumirea proiectului: Tehnologie modernă pentru obţinerea piuliţelor olandeze din oţel prin extrudare indirectă la rece Autoritatea Contractantă: Agenţia Managerială de Cercetare Ştiinţifica, Inovare si Transfer Tehnologic - POLITEHNICA 25 Contract de finanţare pentru executie proiecte nr. 3033/1232 din 20.11.2002**2x2=4** Programul RELANSIN' Denumirea proiectului: Studii privind combaterea căderilor de grindină şi stimularea precipitaţiilor în zona Moldova 26 Contract de finanţare pentru executie proiecte nr. 33479/2002, tema 69**1x2=2** Categoria de proiect: grant de cercetare tip A Denumirea proiectului: Monitorizarea sistemelor adaptive de răcire folosind tehnici avansate de procesare şi control neuro-fuzzy 27 Contract de finanţare pentru executie proiecte nr. 6177/2001, tema A16**1x2=2** Categoria de proiect: grant de cercetare tip A Denumirea proiectului: Monitorizarea sistemelor adaptive de răcire folosind tehnici avansate de procesare şi control neuro-fuzzy 28 Contract de finanţare pentru executie proiecte nr. 905 / 19.09.2000**2x2=4** Programul RELANSIN' Categoria de proiect: TM Denumirea proiectului: Tehnologii moderne, de mare eficienţă economică, pentru obţinerea ţevilor cu pereţi subţiri şi a cablurilor cu izolaţie minerală pentru termocupluri în tub metalic, din oţeluri inoxidabile, prin tragere în câmp ultrasonor 29 Contract de finanţare pentru executie proiecte nr. 6177/2000, tema B45**1x2=2** Categoria de proiect: grant de cercetare tip A Denumirea proiectului: Monitorizarea sistemelor adaptive de răcire folosind tehnici avansate de procesare şi control neuro-fuzzy 30 Contract de finanţare pentru executie proiecte nr. 7002/1997, tema 58**1x2=2** Categoria de proiect: grant de cercetare tip A		

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Denumirea proiectului: Studii şi cercetări privind dimensionarea constructiv-funcţională şi proiectarea tehnologiilor asistate de calculator a utilajelor de încălzire şi topire utilizate în metalurgia secundară pentru obţinerea de noi materiale 31 Contract de finanţare pentru executie proiecte nr. 7002/1997, tema 61**1x2=2** Categoria de proiect: grant de cercetare tip A Denumirea proiectului: Cercetări privind tehnologia de obţinere a benzilor metalice amorfe feromagnetice continue şi studiul proprietăţilor de utilizare a acestora 32 Contract de finanţare pentru executie proiecte nr. 5002/1996, tema 77**1x2=2** Categoria de proiect: grant de cercetare tip A Denumirea proiectului: Studii şi cercetări privind dimensionarea constructiv-funcţională şi proiectarea tehnologiilor asistate de calculator a utilajelor de încălzire şi topire utilizate în metalurgia secundară pentru obţinerea de noi materiale 33 Contract de finanţare pentru executie proiecte nr. 161/1996, tema B1**1x2=2** Categoria de proiect: grant de cercetare tip A Denumirea proiectului: Cercetări privind îmbunătăţirea parametrilor constructiv-funcţionali ai utilajelor, echipamentelor şi instaklaţiilor utilizate la tratamentul termic al aliajelor de aluminiu prin conducerea asistată de calculator 34 Contract de finanţare pentru executie proiecte nr. 4002/1995, tema B17**1x2=2** Categoria de proiect: grant de cercetare tip A Denumirea proiectului: Studii şi cercetări privind dimensionarea constructiv-funcţională şi proiectarea tehnologiilor asistate de calculator a utilajelor de încălzire şi topire utilizate în metalurgia secundară pentru obţinerea de noi materiale 35. Membru in echipa Proiectului "Obținerea unor aliaje originale biocompatibile utilizate în protetica medicală(NewTiT)", Contractul de Grant nr. GnaC2018_48/2019 **2x1=2** 36. Membru in Proiect Component 4, Contract PN-III-P1-1.2-PCCDI-2017-0239 – 2018-2021, HEAMED, Aliaje biocompatibile cu entropie ridicată cu aplicații medicale **2 x 3 = 6** 37. Grant Intern GI/P38/2021, Proiect pentru susținerea capacității de publicare – PUBLICAȚII, competiție organizată în cadrul TUIASI, Director de proiect: Bălțatu Mădălina Simona, Valoare proiect:45000lei **2 x 1=1** 38. Grant Intern GI/P20/2021, Proiect pentru susținerea capacității de publicare – PUBLICAȚII, competiție organizată în cadrul TUIASI, Director de proiect: Sandu Andrei Victor, Valoare proiect:45000lei **2 x 1=1**		
PUNCTAJ TOTAL Domeniu de activitate A2		**3423,37**
A3. Recunoaşterea şi impactul activităţii		**8614.12**
A3.1 Citări în reviste ISI şi BDI		**5073.12**
A3.1.1 ISI		
1. Agop, M; Ioannou, P; Nica, P; Radu, C; Alexandru, A; Vizureanu, P, Fractal characteristics of the solidification process, MATERIALS TRANSACTIONS, Volume: 45, Issue: 3, Pages: 972-975, DOI: 10.2320/matertrans.45.972, Published: MAR 2004(26,65) **1.1** A NONLINEAR MODEL IN THE DYNAMICS OF TUMOR-IMMUNE SYSTEM COMBINED WITH RADIOTHERAPY By: Butuc, Irina; Mirestean, Camil; Iancu, Dragos, UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS Volume: 81 Issue: 4 Pages: 311-322 Published: 2019; **10/6= 1,66**		**5073.12**

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1.2. Possible Dynamics of Polymer Chains by Means of a Ricatti's Procedure - an Exploitation for Drug Release at Large Time IntervalsBy: Cobzeanu, Bogdan Mihail; Irimiciuc, Stefan; Vaideanu, Dorin; et al. MATERIALE PLASTICE Volume: 54 Issue: 3 Pages: 531-534 Published: SEP 2017**15/6=2,5** 1.3. SEVERAL ASPECTS ABOUT FRACTALITATY ROLE IN THE DYNAMICS OF COMPLEX SYSTEMS, Ivan,MV., Zala, A., Agop, A., Puiu, E., Vaideanu, D., Palamarciuc, I., Iancu, D.T., Crisan-Dabija, R., UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS, Volume: 79, Issue: 3, Pages: 235-246, Published: 2017. **10/6=1,66** 1.4. Liposome Loaded Chitosan Hydrogels, a Promising Way to Reduce the Burst Effect in Drug Release A comparativ analysis, Paun,VA, Popa, M, Desbrieres, J, Peptu, CA, Dragan, SV, Zegan, G, Cioca, G, MATERIALE PLASTICE, Volume: 53, Issue: 4, Pages: 590-593, Published: DEC 2016. **15/6=2,5** 1.5.In Vitro Release Kinetics Evaluation of Erythromycin in Microemulsions for Dermal Applications, Paun, VA, Ochiuz, L ; Hortolomei, M; Creteanu, A; Stoieriu, I; Ghiciuc, CM; Serban, GT; Zegan, G ; Cioca, G, MATERIALE PLASTICE, Volume: 53, Issue: 4, Pages: 699-702, Published: DEC 2016; **15/6=2,5** 1.6. EXPERIMENTAL RESEARCHES OF MICROHARDNESS ON TWO CERAMIC RESTORATIVE MATERIALS FOR DENTAL STRUCTURES, Hanganu, Stela Carmen; Armencia, Adina Oana; Murariu, Alice Mirela, METALURGIA INTERNATIONAL Volume: 18 Issue: 4 Pages: 177-180 Published: 2013**; 15/6=2,5** 1.7. ABOUT THE MEAN FRICTION REVERSAL DURING THE TUBES DRAWING WITHOUT INSIDE GUARD, Gavrila, Bogdan-Lucian, METALURGIA INTERNATIONAL Volume: 18 Issue: 1 Pages: 5-7 Published: 2013; **15/6=2,5** 1.8. Heat transfer-A review of 2004 literature, By: Goldstein, R. J.; Ibele, W. E.; Patankar, S. V.; et al., INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER Volume: 53 Issue: 21-22 Pages: 4343-4396 Published: OCT 2010; **20/6=3,33** 1.9. SIMULATION OF SOLIDIFICATION OF AC43A-ASTM FAUCETS, Butnaciuc, Dorel; Galusca, Dan Gelu, METALURGIA INTERNATIONAL Volume: 15 Special Issue: 6 Pages: 9-14 Published: 2010; **15/6=2,5** 1.10. IRON BASED ALLOYS BEHAVIOR BY MOLDING SIMULATION POINT OF VIEW, Mihai, Dumitru; Cimpoesu, Nicanor, METALURGIA INTERNATIONAL Volume: 15 Issue: 11 Pages: 30-34 Published: 2010**; 15/6=2,5** 1.11. COMPUTER SIMULATION OF CAST IRON FILLING AND SOLIDIFICATION IN CROOK AND ENCAMPMENT-TYPE SAMPLES, Butnaciuc, Dorel; Galusca, Dan Gelu, METALURGIA INTERNATIONAL Volume: 15 Issue: 9 Pages: 74-78 Published: 2010 **15/6=2,5** **2. The analysis of a numerical method for radiation heating transfer in electric furnaces, Vizureanu, Petrica; Strul, Moisa METALURGIA INTERNATIONAL Volume: 12 Issue: 6 Pages: 34-40 Published: 2007(7,50)** 2.1. Finite Element Method Application for the Determination of Hardness for Magnesium Alloys, By:Sliwa, A, Sroka, M, Bloch, K , Sandu, IG, Abdullah, MMA, Sandu, AV, REVISTA DE CHIMIE, Volume: 69, Issue: 2, Pages: 324-327, Published: FEB 2018; **15/2=7,50** **3. Vizureanu, P; Agop, M, A theoretical approach of the heat transfer in nanofluids, MATERIALS TRANSACTIONS, Volume: 48, Issue: 11, Pages: 3021-3023, DOI: 10.2320/matertrans.MRP2007118, Published: NOV 2007 (117,50)** 3.1. Mathematical Simulation of Iron Ore Fines Sintering Process with Solid Fuel Segregation Distribution and Corresponding Heat Pattern Study, By:Gao, QJ (Gao, Qiangjian); Bao, L (Bao, Lei); Zhu, PX (Zhu, Pengxuan); Jiang, X (Jiang, Xin); Zheng, HY (Zheng, Haiyan); Shen, FM (Shen, Fengman), Metals, Volume12, Issue12, Article Number2126, DOI10.3390/met12122126, 2022. **20/2=10,00 p**		

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3.2. Review of stability enhanced nanofluids prepared by one-step methods-heat transfer mechanism and thermo-physical properties By:Albert, AA (Albert, Annie Aureen); Samuel, DGH (Samuel, D. G. Harris); Parthasarathy, V (Parthasarathy, V.), CHEMICAL ENGINEERING COMMUNICATIONS, DOI10.1080/00986445.2022.2147833, 2022 **20/2=10,00 p** 3.3. Carbonized bamboo parenchyma cells loaded with functional carbon nanotubes for preparation composite phase change materials with superior thermal conductivity and photo-thermal conversion efficiency, By:Zheng, CW (Zheng, Chaowei); Zhang, HY (Zhang, Haiyang) ; Xu, LL (Xu, Linlin); Xu, FC (Xu, Fucheng), JOURNAL OF BUILDING ENGINEERING, Volume56, Article Number104749, DOI10.1016/j.jobe.2022.104749 **30/2=15,00 p** 3.4.TOTAL LOSS CORES IN THE ASPECT OF MONUMENTS PROTECTION, By:Jez, K (Jez, Kinga), Volume12, Issue3, Page1033-1040, PublishedJUL-SEP 2021 **15/2=7,5** 3.5. Enhancing Thermophysical Characteristics and Heat Transfer Potential of TiO2/Water Nanofluid, By: Mukherjee, Sayantan; Panda, Smita Rani; Mishra, Purna Chandra; et al., INTERNATIONAL JOURNAL OF THERMOPHYSICS Volume: 41 Issue: 12 Article Number: 162 Published: OCT 7 2020; **10/2=5,0** 3.6. Enhancing Thermo-Economic Performance of TiO2-Water Nanofluids: An Experimental Investigation, By: Mukherjee, Sayantan; Mishra, Purna Chandra; Chaudhuri, Paritosh, JOM Volume: 72 Issue: 11 Pages: 3958-3967 Published: NOV 2020 Early Access: SEP 2020; **20/2=10,00** **3.7.** Optimization and Numerical Anlysis of Mechanical Properties of Connecting Rod in the Internal Combustion Engine By: Sliwa, Agata; Gros, Dariusz; Sandu, Andrei Victor; et al., REVISTA DE CHIMIE Volume: 69 Issue: 10 Pages: 2813-2815 Published: OCT 2018 1**5/2=7,50** **3.8.** Microstructure and High-Field Magnetic Properties of Fe-Based Bulk Amorphous Alloys, By: Bloch, Katarzyna, REVISTA DE CHIMIE Volume: 69 Issue: 4 Pages: 982-985 Published: APR 2018; 1**5/2=7,50** 11.3. Microstructure and Structural Defects of Bulk Amorphous Fe64Co10Y6B20 Alloy, By: Bloch, Katarzyna, REVISTA DE CHIMIE Volume: 68 Issue: 10 Pages: 2413-2415 Published: OCT 2017 1**5/2=7,50** 3.9.Morphological and Broadband Dielectric Spectroscopy Approaches on PA6-CNT Nanofibres, Calin, Monica Alina; Khenoussi, Nabyl; Schacher, Laurence; et al., MATERIALE PLASTICE Volume: 50 Issue: 4 Pages: 257-263 Published: DEC 2013 1**5/2=7,50** 3.10.CHEMICAL INFLUENCE OF FLUIDIZED BED SAND ON AlMg2 SURFACE ALLOY DURING SOLUTION ANNEALING HEAT TREATMENT, Bernevig, Mihai, METALURGIA INTERNATIONAL Volume: 18 Issue: 2 Pages: 30-34 Published: 2013; 1**5/2=7,50** 3.11.WATER TEMPERATURE INFLUENCE ON METALLIC MATERIALS COOLING, Grecu, Adrian; Galusca, Dan Gelu; Nejneru, Carmen; et al., METALURGIA INTERNATIONAL Volume: 15 Issue: 12 Pages: 37-40 Published: 2010; 1**5/2=7,50** 3.12. COMPUTER SIMULATION OF CAST IRON FILLING AND SOLIDIFICATION IN CROOK AND ENCAMPMENT-TYPE SAMPLES, Butnaciuc, Dorel; Galusca, Dan Gelu, METALURGIA INTERNATIONAL Volume: 15 Issue: 9 Pages: 74-78 Published: 2010; 1**5/2=7,50** 3.13.SOME "EXOTIC" CONDUCTIVITY MECHANISMS IN GRAPHENE, Stana, R.; Casian-Botez, I.; Litoiu, R.; et al., ROMANIAN JOURNAL OF PHYSICS Volume: 55 Issue: 9-10 Pages: 1111-1120 Published: 2010; **15/2=7,50** **4. Buzea, CG; Agop, M; Galusca, G; Vizureanu, P; Ionita, I.), El Naschie's superconductivity in the time dependent Ginzburg-Landau model, CHAOS SOLITONS & FRACTALS, Volume: 34, Issue: 4, Pages: 1060-1074, DOI: 10.1016/j.chaos.2006.03.122, Published: NOV 2007(13,00)**		

Structura activităţii	Restricţii Prof	Punctaj
4.1.THE EFFECTS OF TELECOMMUNICATIONS SERVICES ON THE EFFICIENCY AND EFFECTIVENESS OF PRODUCTION PROCESS, Maxim, Emil; Vasilache, Silviu, METALURGIA INTERNATIONAL Volume: 18 Issue: 4 Pages: 126-130 Published: 2013; 1**5/5=3,00** 4.2.MODIFICATION OF THE RESISTANCE AND PLASTICITY MECHANICAL CHARACTERISTICS DURING THE TUBES DRAWING WITHOUT INSIDE GUARD, IN ULTRASOUND FIELD, Gavrila, Bogdan-Lucian, METALURGIA INTERNATIONAL Volume: 18 Issue: 1 Pages: 8-10 Published: 2013**;** 1**5/5=3,00** 4.3.A METHOD TO REUSE ORTHOTIC MANUFACTURING MATERIALS, Rancea, Ady, METALURGIA INTERNATIONAL Volume: 17 Issue: 2 Pages: 35-37 Published: 2012; 1**5/5=3,00** 4.5.Random attractors for a Ginzburg-Landau equation with additive noise, Zhang, Qi, CHAOS SOLITONS & FRACTALS Volume: 39 Issue: 1 Pages: 463-472 Published: JAN 15 2009 2**0/5=4,00** **5. Grimberg, R; Udpa, L; Savin, A; Steigmann, R; Vizureanu, P; Bruma, A; Udpa, SS, Remote field eddy current control using rotating magnetic field transducer: Application to pressure tubes examination, RESEARCH IN NONDESTRUCTIVE EVALUATION, Volume: 19, Issue: 4, Pages: 202-218, DOI: 10.1080/09349840802190090, Published: 2008** (15,71) 5.1. A Study of Array Remote Field Eddy Current for Hole Edge Defect Location and Evaluation of Aircraft Fasteners Song, K; Wang, WT; (...); Wang, RB, Feb 15 2024, IEEE SENSORS JOURNAL 24 (4) , pp.5152-5161. **20/7=2,85** 5.2. Detection of Outer Wall Defects on Steel Pipe Using an Encircling Rotating Electromagnetic Field Eddy Current (RoFEC) Technique Author(s): Yin, XK (Yin, Xiaokang); Gu, ZY (Gu, Zhuoyong); Wang, W (Wang, Wei); Zhang, XR (Zhang, Xiaorui); Yuan, XA (Yuan, Xin'an); Li, W (Li, Wei); Chen, GM (Chen, Guoming), Source: STROJNISKI VESTNIK-JOURNAL OF MECHANICAL ENGINEERING Volume: 68 Issue: 1 Pages: 27-38 DOI: 10.5545/sv-jme.2021.7288 Published: 2022 **17/7=2,14** 5.3. A Study on Ferromagnetic Casing Wall Thinning Evaluation Based on Pulsed Eddy Current Testing, Author(s): Sun, H (Sun, Hu); Shi, YB (Shi, Yibing); Zhang, W (Zhang, Wei); Li, YJ (Li, Yanjun); Yu, CS (Yu, Chengsong); Li, MY (Li, Maoyang); Li, XJ (Li, Xiaojun) Source: IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT Volume: 70 Article Number: 6010811 DOI: 10.1109/TIM.2021.3111002 Published: 2021 **30/7=4,29** 5.4. Evaluation of Conductivity and Radius of Metallic Rods Based on Magnetic Field Analytical Model, By: Jiang, Feng; Liu, Shulin; Yang, Hongbai, MATERIALS EVALUATION Volume: 78 Issue: 6 Pages: 729-739 Published: JUN 2020; **10/7= 1,43** 5.5. A remote field eddy current probe for outside inspection of pipe defects, By: Xu, Zhiyuan; Lin, Zhangpeng; Xiao, Qi, INTERNATIONAL JOURNAL OF APPLIED ELECTROMAGNETICS AND MECHANICS Volume: 59 Issue: 4 Pages: 1543-1551 Published: 2019; **10/7=1.43** 5.6.STUDY ON THE POLARIZED GRID EFFECT TO THE PARTS CATHODIC SPUTTERING ON PLASMA NITRIDING, By: Axinte, Mihai; Nejneru, Carmen; Agop, Marcel, METALURGIA INTERNATIONAL Volume: 17 Issue: 12 Pages: 87-92 Published: 2012**;** 1**5/7=2,14** 5.7.CORROSION BEHAVIOUR AND SURFACE ANALYSIS OF A Co-BASED AND TWO Ni-BASED DENTAL ALLOYS IN ARTIFICIAL SALIVA, By: Strugaru, Sorin Iacob; Grancea, Viorel, METALURGIA INTERNATIONAL Volume: 17 Issue: 5 Pages: 55-59 Published: 2012; 1**5/7=2,14** **5.8.** MICROSTRUCTURAL 2D AND 3D ANALYZE OF A SHAPE MEMORY ALLOY IN DIFFERENT SOLICITATION CONDITIONS, By: Cimpoesu, Nicanor; Gurlui, Silviu Octavian; Stanciu, Sergiu; et al., Conference: 16th International Conference on Modern Technologies,		

Structura activităţii	Restricţii Prof	Punctaj
Quality and Innovation Location: Sinaia, ROMANIA Date: MAY 24-26, 2012, Sponsor(s): Dept Machine Mfg Techn; Profession Assoc Modern Mfg Technol; MuS, Machine & Cutting Tools Dept MODTECH 2012: NEW FACE OF T M C R, VOLS I AND II Book Series: International Conference ModTech Proceedings Pages: 189-192 Published: 2012 **5/7=0,72** **6. Agop, M., Vizureanu, P., Ioannou, P.D., *On the heat transfer in nanostructures*, Metalurgia International, vol. 13, nr. 8, pg. 10-20, 2008 (6,66)** 6.1. Ruthenium(II) Complex Catalyzed O-Borylation of Alcohols with Vinylboronates, Marciniec, Bogdan; Walkowiak, Jedrzej SYNLETT, Issue: 15, Pages: 2433-2436, Published: SEP 16 2009. **20/3=6,66** **7. Borsos, Z; Paun, VP; Botez, IC; Stoica, CM;Vizureanu, P; Agop, M, Structural Conductivity of Carbon Nanotubes, REVISTA DE CHIMIE, Volume: 59, Issue: 10, Pages: 1169-1171, Published: OCT 2008 (30,8)** **7.1.** TENSILE PROPERTIES AND ELECTRICAL CONDUCTIVITY OF LINEAR LOW-DENSITY POLYETHYLENE (LLDPE)/CARBON BLACK CONDUCTIVE POLYMER COMPOSITES (CPCS) : EFFECT OF COMPOUNDING PARAMETERS Halim, KAA; Salleh, MAAM; (...); Jez, B, 2024, ARCHIVES OF METALLURGY AND MATERIALS 69 (3) , pp.1159-1164 **10/6=1,66** 7.2. Quantum Mechanical Study of the Covalent Bonding of Troxacitabine with Functionalized Carbon Nanotubes, Author(s): Mozayyeni, N (Mozayyeni, N.); Morsali, A (Morsali, A.); Bozorgmehr, MR (Bozorgmehr, M. R.); Beyramabadi, SA (Beyramabadi, S. A.), Source: MOSCOW UNIVERSITY CHEMISTRY BULLETIN Volume: 76 Issue: 4 Pages: 269-276 DOI: 10.3103/S0027131421040052 Published: JUL 2021 **10/6=1,66** 7.3. Mechanical Properties of Fly Ash Polymer Concrete with Different Fibers, By: Barbuta, Marinela; Timu, Alexandru; Bejan, Liliana; et al. MATERIALE PLASTICE Volume: 55 Issue: 3 Pages: 405-409 Published: SEP 2018; **15/6=2,5** 7.4. Quantum Chemical Insight into the Adsorption Mechanisms of Troxacitabine onto Functionalized Carbon Nanotubes By: Mozayyeni, Neda; Morsali, Ali; Bozorgmehr, Mohammad R.; et al. REVISTA DE CHIMIE Volume: 69 Issue: 9 Pages: 2597-2602 Published: SEP 2018; **15/6=2,5** 7.5. The Influence of the Temperature Regime on the Mechanical Properties of the Thick Steel Sheets from Carbon and Low alloy Steels, Laminated to Thicknesses More than 40 mm, By: Bordei, Marian; Sandu, Andrei Victor; Papadatu, Carmen Penelopi; et al. REVISTA DE CHIMIE Volume: 69 Issue: 3 Pages: 632-635 Published: MAR 2018; **15/6=2,5** 7.6. Effects of Partial Replacement of Eggshell Powder by Halloysite Nanotubes on the Properties of Polyvinyl Alcohol Composites By: Alias, N. F.; Ismail, H., Conference: EUROINVENT International Conference on Innovative Research (ICIR) Location: Iasi, ROMANIA Date: MAY 17-18, 2018, Sponsor(s): Romanian Inventors Forum; Gheorghe Asachi Tech Univ Iasi, Fac Mat Sci & Engn; Alexandru Ioan Cuza Univ Iasi, ARHEOINVEST Platform; Univ Malaysia Perlis, Ctr Excellence Geopolymer & Green Technol; EUROINVENT EUROINVENT ICIR 2018 Book Series: IOP Conference Series-Materials Science and Engineering Volume: 374 Article Number: UNSP 012032 Published: 2018; **5/6=0,83** 7.7. Characteristics of Thermoplastic Potato Starch/Bentonite Nanocomposite FilmBy: Zakaria, N. H.; Muhammad, N.; Abdullah, M. M. A. B.; et al.Conference: EUROINVENT International Conference on Innovative Research (ICIR) Location: Iasi, ROMANIA Date: MAY 17-18, 2018Sponsor(s): Romanian Inventors Forum; Gheorghe Asachi Tech Univ Iasi, Fac Mat Sci & Engn; Alexandru Ioan Cuza Univ Iasi, ARHEOINVEST Platform; Univ Malaysia Perlis, Ctr Excellence Geopolymer & Green Technol; EUROINVENTEUROINVENT ICIR		

Structura activităţii	Restricţii Prof	Punctaj
2018 Book Series: IOP Conference Series-Materials Science and Engineering Volume: 374 Article Number: UNSP 012025 Published: 2018; **5/6=0,83** 7.8. Optimal design of process parameters, experimental fabrication and characterisation of a novel hybrid polymer nanocomposite, Huang, Shyh-Chour; Minh-Tai Le, INTERNATIONAL JOURNAL OF MATERIALS & PRODUCT TECHNOLOGY,, Volume: 52 Issue: 3-4 Special Issue: SI Pages: 362-380 Published: 2016; **10/6=1,66** 7.9.Morphological and Broadband Dielectric Spectroscopy Approaches on PA6-CNT Nanofibres, By: Calin, Monica Alina; Khenoussi, Nabyl; Schacher, Laurence; et al., MATERIALE PLASTICE Volume: 50 Issue: 4 Pages: 257-263 Published: DEC 2013; 1**5/6=2,5** 7.10.Calculated Theoretical Hardness from Chemical Data for Boron Nitride Nanotubes, Petrescu, Mircea-Ionut; Ghiban, Brandusa; Ghiban, Nicolae; et al., REVISTA DE CHIMIE Volume: 64 Issue: 10 Pages: 1151-1155 Published: OCT 2013; 1**5/6=2,5** 7.11.Stuctural Properties of Nanofilled and Microfilled Restorative Composites, Nica, Irina; Cimpoesu, Nicanor; Rusu, Valeriu; et al., MATERIALE PLASTICE Volume: 49 Issue: 3 Pages: 176-180 Published: SEP 2012; 1**5/6=2,5** **7.12.** SURFACE QUALITY IMPROVEMENT OF CAST IRON PARTS BY DEPOSITION WITH W AND WC ELECTRODES USING ELECTRIC IMPULSE DISCHARGE METHOD, By: Cristina, Perju Manuela; Carmen, Nejneru; Elena, Largeanu Anca; et al. Conference: 15th International Conference of Modern Technoliges, Quality and Innovation Location: Vadul lui Voda, MOLDOVA Date: MAY 25-27, 2011, Sponsor(s): Redesign Solutions Iasi; Profess Assoc Modern Mfg Technol; Patis; Serbian Acad Sci & Arts, Inst Tech Sci; Gheorghe Asachi Tech Univ Iasi Romania, Fac Machine Mfg & Ind Management, Dept Machine Mfg Technol; Tech Univ Moldova Chisinau, Dept Machine Mfg Technol MODTECH 2011: NEW FACE OF T.M.C.R., VOL I AND II Book Series: International Conference ModTech Proceedings Pages: 845-848 Published: 2011; **5/6=0,83** 7.13.The Assessment on Insulation Behaviour of Multilayer EPDM/Paper Composite, Zaharescu, Traian; Buse, Florin; Jipa, Silviu; et al., MATERIALE PLASTICE Volume: 47 Issue: 2 Pages: 195-198 Published: JUN 2010 1**5/6=2,5** 7.14. WATER TEMPERATURE INFLUENCE ON METALLIC MATERIALS COOLING, Grecu, Adrian; Galusca, Dan Gelu; Nejneru, Carmen; et al., METALURGIA INTERNATIONAL Volume: 15 Issue: 12 Pages: 37-40 Published: 2010; 1**5/6=2,5** 7.15.CHEMICAL, PHYSICAL AND MECHANICAL PROPERTIES OF THIN LAYERS ACHIEVED BY VIBRATING ELECTRODE METHOD, Perju, Manuela Cristina; Nejneru, Carmen; Galusca, Dan Gelu; et al., Edited by: Nedelcu, D; Slatineanu, L; Mazuru, S; et al., Conference: 14th International Conference on Modern Technologies, Quality and Innovation (ModTech 2010)Location: Slanic-Moldova, ROMANIA Date: MAY 20-22, 2010 Book Series: Proceedings of the International Conference ModTech Pages: 455-458 Published: 2010; **5/6=0,83** 7.16.IMPLICATIONS OF SCALE RELATIVITY IN GRAVITATIONAL AND ELECTROMAGNETIC FIELD THEORY, Abacioaie, D. S.; Paun, M. A.; Niculescu, O.; et al., ROMANIAN JOURNAL OF PHYSICS Volume: 55 Issue: 7-8 Pages: 665-675 Published: 2010; **15/6=2,5** **8. Ioannou, PD; Nica, P; Paun, V; Vizureanu, P; Agop, M, Wave-particle duality through an extended model of the scale relativity theory, PHYSICA SCRIPTA, Volume: 78, Issue: 6, Article Number: 065101, DOI: 10.1088/0031-8949/78/06/065101, Published: DEC 2008 (40,00)** 8.1. Galvanic Corrosion of Ductile Cast Iron Coupled with Different Alloys in Synthetic Domestic Waste Water, By: Savin, Cristian; Nejneru, Carmen; Perju, Manuela Cristina; et al., REVISTA DE CHIMIE Volume: 70 Issue: 2 Pages: 506-511 Published: FEB 2019; 1**5/5=3,00** 8.2. Structural and Magnetic Properties of the Rapid Cooled Alloys: Fe60Co10Y5+xZr5-xB20 (Where: x=0 or 2), By: Nabialek, Marcin; Jez, Bartlomiej; Jez, Kinga; et al., REVISTA DE CHIMIE Volume: 70 Issue: 1 Pages: 224-227 Published: JAN 2019; 1**5/5=3,00** 8.3.The Effect of Coloring on the Transmission of Electromagnetic Radiation in Eyeglass Lenses, By: Pietrusiewicz, Pawel		

Structura activităţii	Restricţii Prof	Punctaj
MATERIALE PLASTICE Volume: 55 Issue: 4 Pages: 640-643 Published: DEC 2018; 1**5/5=3,00** 8.4.The Choice of Recycling Methods for Single-Polymer Polyester Composites, By: Gawdzinska, Katarzyna; Nabialek, Marcin; Sandu, Andrei Victor; et al., MATERIALE PLASTICE Volume: 55 Issue: 4 Pages: 658-665 Published: DEC 2018; 1**5/5=3,00** 8.5. Optimization and Numerical Anlysis of Mechanical Properties of Connecting Rod in the Internal Combustion Engine, By: Sliwa, Agata; Gros, Dariusz; Sandu, Andrei Victor; et al. , REVISTA DE CHIMIE Volume: 69 Issue: 10 Pages: 2813-2815 Published: OCT 2018; 1**5/5=3,00** 8.6. The Influence of Parameters of Heat Treatment on Thickens and Roughness of Oxide Layers on Titanium Alloy Ti6A14V By: Szota, Michal; Lukaszewicz, Adrian; Kosinski, Konrad, REVISTA DE CHIMIE Volume: 69 Issue: 10 Pages: 2850-2853 Published: OCT 2018; 1**5/5=3,00** 8.7. Three-layer Permutation of the Phonionic Structure and the Influence of the Environment, By: Szota, Michal, REVISTA DE CHIMIE Volume: 69 Issue: 9 Pages: 2571-2574 Published: SEP 2018; 1**5/5=3,00** 8.8. A Review on Fly Ash as a Raw Cementitious Material for Geopolymer Concrete, By: Bouaissi, Aissa; Li, Long Yuan; Moga, Ligia Mihaela; et al., REVISTA DE CHIMIE Volume: 69 Issue: 7 Pages: 1661-1667 Published: JUL 2018; 1**5/5=3,00** 8.9. The Influence of the Manufacturing Method on the Structure and Magnetic Properties of Rapid Cooled Iron Based Alloys By: Nabialek, Marcin; Jez, Kinga, REVISTA DE CHIMIE Volume: 69 Issue: 6 Pages: 1593-1597 Published: JUN 2018; 1**5/5=3,00** 8.10. ABOUT THE MEAN FRICTION REVERSAL DURING THE TUBES DRAWING WITHOUT INSIDE GUARD, By: Gavrila, Bogdan-Lucian, METALURGIA INTERNATIONAL Volume: 18 Issue: 1 Pages: 5-7 Published: 2013 ; 1**5/5=3,00** 8.11. The Influence of the Manufacturing Method on the Structure and Magnetic Properties of Rapid Cooled Iron Based Alloys By: Nabialek, Marcin; Jez, Kinga, REVISTA DE CHIMIE Volume: 69 Issue: 6 Pages: 1593-1597 Published: JUN 2018**15/5=3,00** 8.12.Stuctural Properties of Nanofilled and Microfilled Restorative Composites, Nica, Irina; Cimpoesu, Nicanor; Rusu, Valeriu; et al., MATERIALE PLASTICE Volume: 49 Issue: 3 Pages: 176-180 Published: SEP 2012 1**5/5=3,00** 8.13.SURFACE QUALITY IMPROVEMENT OF CAST IRON PARTS BY DEPOSITION WITH W AND WC ELECTRODES USING ELECTRIC IMPULSE DISCHARGE METHOD, By: Cristina, Perju Manuela; Carmen, Nejneru; Elena, Largeanu Anca; et al. Conference: 15th International Conference of Modern Technoliges, Quality and Innovation Location: Vadul lui Voda, MOLDOVA Date: MAY 25-27, 2011, Sponsor(s): Redesign Solutions Iasi; Profess Assoc Modern Mfg Technol; Patis; Serbian Acad Sci & Arts, Inst Tech Sci; Gheorghe Asachi Tech Univ Iasi Romania, Fac Machine Mfg & Ind Management, Dept Machine Mfg Technol; Tech Univ Moldova Chisinau, Dept Machine Mfg Technol MODTECH 2011: NEW FACE OF T.M.C.R., VOL I AND II Book Series: International Conference ModTech Proceedings Pages: 845-848 Published: 2011; **5/5=1,00** 8.14. IMPLICATIONS OF SCALE RELATIVITY IN GRAVITATIONAL AND ELECTROMAGNETIC FIELD THEORY, Abacioaie, D. S.; Paun, M. A.; Niculescu, O.; et al., ROMANIAN JOURNAL OF PHYSICS Volume: 55 Issue: 7-8 Pages: 665-675 Published: 2010; **15/5=3,00** **9. C. Nejneru, N. Cimpoeşu, S. Stanciu, P. Vizureanu, A. V. Sandu, Sea Water Corrosion of a Shape Memory Alloy Type Cu-Zn-Al, Metalurgia International, vol. 14, nr. 7, pg. 95-98, 2009. (27,00)** 9.1. Effect of quenching protocols on microstructure and corrosion morphology in a recycled Al-Mg-Si alloy: Tracing Cu impurities Gao, YH; Li, YH; (...); Zhang, XX, Nov-dec 2024, JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T 33 , pp.3965-3975 **30/5=6,00** 9.2. Microstructural, Corrosion Resistance, and Tribological Properties of Al2O3 Coatings Prepared by Atmospheric Plasma Spraying		

Structura activităţii	Restricţii Prof	Punctaj
Bejinariu, C; Paleu, V; (...); Cimpoesu, N, Dec 2022, MATERIALS 15 (24) **20/5=4,00** 9.3. Computer Simulation of Static Tensile Test Using the Finite Elements Method, By: Staszuk, Marcin; Nabialek, Marcin MATERIALE PLASTICE Volume: 54 Issue: 2 Pages: 225-228 Published: JUN 2017; **15/5=3,00** 9.4.The Influence of the Temperature and Ageing Time on the NiCr23Co12Mo Alloy Microstructure, By: Sroka, Marek; Nabialek, Marcin; Szota, Michal; et al., REVISTA DE CHIMIE Volume: 68 Issue: 4 Pages: 737-741 Published: APR 2017; **15/5=3,00** 9.5. SIMULATION OF CASTING AND SOLIDIFICATION PROCESSES OF ALUMINUM ALLOYS FOR AERONAUTICAL APPLICATIONS, Bernevig, Mihai,METALURGIA INTERNATIONAL, Volume: 17, Issue: 10, Pages: 88-91,Published: 2012. 1**5/5=3,00** 9.6. Hydroxyapatite and PMMA Thin Films Synthesized by Pulsed Laser Deposition on Titanium Based Metallic Substrates, Costan, Alina; Cimpoesu, Ramona Hanu; Ionita, Iulian; et al., MATERIALE PLASTICE,Volume: 48, Issue: 4, Pages: 299-302, Published: DEC 2011. **15/5=3,00** 9.7. Preliminary testing of corrosion characteristics of NiTi alloy coated with various polymers By: Cimpoesu, R. Hanu; Mareci, D.; Aelenei, N.; et al., JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS Volume: 13 Issue: 9-10 Pages: 1305-1308 Published: SEP-OCT 2011; **10/5=2,00** 9.8. SIMULATION OF SOLIDIFICATION OF AC43A-ASTM FAUCETS,Butnaciuc, Dorel; Galusca, Dan Gelu, METALURGIA INTERNATIONAL, Volume: 15, Special Issue: 6, Pages: 9-14, Published: 2010. 1**5/5=3,00** **10. Vizureanu, P., *The Heating Process of the Materials in the Solar Furnaces*, Metalurgia International, vol. 14, nr. 2, pg. 51-54, 2009. (15,00)** 10.1. SOME CONSIDERATIONS ABOUT THE ANALYZING OF TRACTION BREAK SURFACE OF REINFORCEMENT COMPOSITE MATERIAL WITH SI-C PARTICLES, Nedelcu, Dumitru; Chelariu, Romeo; Tabacaru, Lucian, METALURGIA INTERNATIONAL, Volume: 14, Pages: 69-72, Published: 2009. **15/1=15,00** **11. Achitei, D; Galusca, DG; Vizureanu, P; Carabet, R; Cimpoesu, N, ASPECTS REGARDING THERMO-MECHANICAL FATIGUE OF SHAPE MEMORY ALLOYS, METALURGIA INTERNATIONAL, Volume: 14, Pages: 45-48, Published: 2009 (60,00)** 11.1 Effect of brittle TiN coating on fatigue performance of TC11 titanium alloy under rotating bending and tension-tension Zhang, ZL; Zhang, YL; (...); He, GY, Dec 15 2023, JOURNAL OF ALLOYS AND COMPOUNDS 968 **30/5=6,00** 11.2. Structural fatigue and fracture of shape memory alloy actuators: Current status and perspectives, Author(s): Hasan, MM (Hasan, Md Mehedi); Baxevanis, T (Baxevanis, Theocharis), Source: JOURNAL OF INTELLIGENT MATERIAL SYSTEMS AND STRUCTURES Volume: 33 Issue: 12 Pages: 1475-1486 Article Number: 1045389X211057216 DOI: 10.1177/1045389X211057216 Early Access Date: NOV 2021 Published: JUL 2022 **20/5=4,00** 11.3. Actuation Fatigue Life Prediction of Notched Shape Memory Alloy Members, By: Hasan, Md Mehedi; Baxevanis, Theocharis, JOURNAL OF APPLIED MECHANICS-TRANSACTIONS OF THE ASME Volume: 86 Issue: 6 Article Number: 064501 Published: JUN 2019; **20/5=4,00** 11.4. The Structure and Magnetic Properties of Bulk Amorphous FeCoYB Alloys, By: Bloch, Katarzyna; Talar, Mateusz, REVISTA DE CHIMIE Volume: 70 Issue: 1 Pages: 245-247 Published: JAN 2019; **15/5=3,00** 11.5. Band GAP Frequency Response in Regular Phononic Crystals, By: Garus, Sebastian; Szota, Michal, REVISTA DE CHIMIE Volume: 69 Issue: 12 Pages: 3372-3375 Published: DEC 2018; **15/5=3,00**		

Structura activităţii	Restricţii Prof	Punctaj
11.6. Magnetic Properties of FeCoWYB-based Ferromagnetic Alloys with a Small Addition of Pt, By: Pietrusiewicz, Pawel, REVISTA DE CHIMIE Volume: 69 Issue: 12 Pages: 3386-3388 Published: DEC 2018; **15/5=3,00** 11.7. The Choice of Recycling Methods for Single-Polymer Polyester Composites, By: Gawdzinska, Katarzyna; Nabialek, Marcin; Sandu, Andrei Victor; et al., MATERIALE PLASTICE Volume: 55 Issue: 4 Pages: 658-665 Published: DEC 2018; **15/5=3,00** 11.8. The Influence of the Manufacturing Method on the Structure and Magnetic Properties of Rapid Cooled Iron Based Alloys By: Nabialek, Marcin; Jez, Kinga, REVISTA DE CHIMIE Volume: 69 Issue: 6 Pages: 1593-1597 Published: JUN 2018; **15/5=3,00** 11.9. Nickel (Ni) Microalloying Additions in Sn-Cu Lead-free Solder. Short Review, By: Salleh, M. A. A. Mohd; Sandu, I. G.; Abdullah, M. M. A.; et al., Conference: International Conference on Innovative Research (ICIR Euroinvent) Location: Iasi, ROMANIA Date: MAY 25-26, 2017, Sponsor(s): Romanian Inventors Forum; Gheorghe Asachi Tech Univ Iasi, Fac Mat Sci & Engn; Alexandru Ioan Cuza Univ Iasi, ARHEOINVEST Platform; Univ Malaysia Perlis, Ctr Excellence Geopolymer & Green Technol; Malaysian Res & Innovat Soc; EUROINVENT INTERNATIONAL CONFERENCE ON INNOVATIVE RESEARCH - ICIR EUROINVENT 2017 Book Series: IOP Conference Series-Materials Science and Engineering Volume: 209 Article Number: 012084 Published: 2017; **5/5=1,00** 11.10. Actuation fatigue life prediction of shape memory alloys under the constant-stress loading condition, Calhoun, C.; Wheeler, R.; Baxevanis, T.; et al., SCRIPTA MATERIALIA, Volume: 95, Pages: 58-61, Published: JAN 15 2015. **30/5=6,00** 11.11.SIMULATION OF CASTING AND SOLIDIFICATION PROCESSES OF ALUMINUM ALLOYS FOR AERONAUTICAL APPLICATIONS, Bernevig, Mihai, METALURGIA INTERNATIONAL Volume: 17 Issue: 10 Pages: 88-91 Published: 2012; 1**5/5=3,00** 11.12.CORROSION BEHAVIOUR AND SURFACE ANALYSIS OF A Co-BASED AND TWO Ni-BASED DENTAL ALLOYS IN ARTIFICIAL SALIVA, Strugaru, Sorin Iacob; Grancea, Viorel, METALURGIA INTERNATIONAL Volume: 17 Issue: 5 Pages: 55-59 Published: 2012; 1**5/5=3,00** 11.13.EXPERIMENTAL STRUCTURAL, PHYSICAL AND MECHANICAL CHARACTERISTICS OF THE MAGNETISABLE COMPOSITE YARNS, Grosu, Marian-Catalin; Hossu, Ioan; Avram, Dorin; et al., METALURGIA INTERNATIONAL Volume: 17 Issue: 1 Pages: 28-34 Published: 2012; 1**5/5=3,00** 11.14. QUANTITATIVE DETERMINING OF Cu, Ag, Au AND Pt FROM ELECTRICAL AND ELECTRONIC WASTE By: Degeratu, Danut, METALURGIA INTERNATIONAL Volume: 17 Issue: 1 Pages: 72-77 Published: 2012; 1**5/5=3,00** 11.15.EXPERIMENTAL MAGNETIC CHARACTERISTICS OF THE COMPOSITE YARNS, Grosu, Marian-Catalin; Hossu, Ioan; Avram, Dorin; et al., METALURGIA INTERNATIONAL Volume: 16 Issue: 12 Pages: 58-62 Published: 2011; 1**5/5=3,00** 11.16.CHARACTERIZATION OF SOME DENTAL COMPOSITE RESIGNS, Irina, Nica; Anca, Aluculesei; Constantin, Baciu; et al., METALURGIA INTERNATIONAL Volume: 16 Issue: 2 Pages: 38-42 Published: 2011; 1**5/5=3,00** 11.17.THE IMPACT OF DEMOGRAPHIC AGEING ON THE ECONOMIC DEVELOPMENT IN ROMANIA, Jemna, Danut-Vasile; Asandului, Mircea, METALURGIA INTERNATIONAL Volume: 15 Issue: 2 Pages: 61-66 Published: FEB 2010; 1**5/5=3,00** 11.18. MOTIVATION AND PERFORMANCE IN HIGHER EDUCATION SYSTEMS. THE CASE OF ROMANIAN UNIVERSITIES, Baciu, Livia Loredana; Bunda, Nicoleta Ramona; Andreea, Iacobuta; et al., METALURGIAINTERNATIONAL Volume: 15 Issue: 2 Pages: 67-72 Published: FEB 2010; 1**5/5=3,00** **12. P. Vizureanu, Expert System Designed for Heat Treatment Furnaces, Metalurgia International, vol. 14, nr. 7, pg. 11-15, 2009 (45,00)** 12.1. RESEARCH REGARDING MORPHOLOGY OF HETEROGENEOUS MULTIPLE COATING LAYERS ON FERRITE PERLITIC SUPPORT USING VIBRATING ELECTRODE METHOD By: Perju, Manuela Cristina; Galusca, Dan-Gelu; Nejneru, Carmen; et al. METALURGIA INTERNATIONAL Volume: 15 Issue: 11 Pages: 41-46 Published: 2010; 1**5/1=15,00**		

Structura activităţii	Restricţii Prof	Punctaj
12.2. CHEMICAL INFLUENCE OF FLUIDIZED BED SAND ON AlMg2 SURFACE ALLOY DURING SOLUTION ANNEALING HEAT TREATMENT By: Bernevig, Mihai, METALURGIA INTERNATIONAL Volume: 18 Issue: 2 Pages: 30-34 Published: 2013 1**5/1=15,00** 12.3. The Influence of Parameters of Heat Treatment on Thickens and Roughness of Oxide Layers on Titanium Alloy Ti6A14V By: Szota, Michal; Lukaszewicz, Adrian; Kosinski, Konrad, REVISTA DE CHIMIE Volume: 69 Issue: 10 Pages: 2850-2853 Published: OCT 2018 ,**15/1=15, 00** **13. Vizureanu, P, THE ANALYSIS OF THE MELTING PROCESS OF THE MATERIALS IN THE SOLAR FURNACES, METALURGIA INTERNATIONAL, Volume: 14, Issue: 5, Pages: 5-9, Published: 2009 (300,00)** 13.1. Recycling Waste Materials to Fabricate Solar-Driven Self-Cleaning Geopolymers, Luévano-Hipólito, E; Torres-Martínez, LM and Rodríguez-González, E, May 2024, WASTE AND BIOMASS VALORIZATION 15 (5) , pp.2833-2843 **20/1= 20,00** 13.2. Multi-criteria decision analysis for optimum selection of different construction bricks, Murugesan, P; Partheeban, P; (...); Christopher, CG, Jul 15 2023, JOURNAL OF BUILDING ENGINEERING 71 **30/1= 30,00** 13.3. EXPERIMENTAL RESEARCH ON THE INFLUENCE OF ROUGHNESS OF THE MACHINED SURFACE OF A PART ON GALvANIzATION, Sandor, RN; Pop, AB; (...); Tîtu, AM, 2023, ARCHIVES OF METALLURGY AND MATERIALS 68 (4) , pp.1591-1595 **10/1= 10,00** 13.4. Investigation into Effect of Cooling Rate on Magnetic Properties of Alloys that Are Based on FeCoB Matrix, Author(s): Garus, J (Garus, J.); Walters, S (Walters, S.); Sandu, AV (Sandu, A., V); Abdullah, MMAB (Abdullah, M. M. A. B.); Zainal, FF (Zainal, F. F.); Omar, MF (Omar, M. F.); Seifoddini, A (Seifoddini, A.); Mousavi, P (Mousavi, P.), Source: ACTA PHYSICA POLONICA A Volume: 139 Issue: 5 Pages: 544-547 DOI: 10.12693/APhysPolA.139.544 Published: MAY 2021 **10/1= 10,00** 13.5. Magnetisation Process of Fe61+xCo10-xY8W1B20 Bulk Amorphous Alloys, Author(s): Sikora, P (Sikora, P.); Nabialek, M (Nabialek, M.); Bloch, K (Bloch, K.); Gondro, J (Gondro, J.); Sandu, AV (Sandu, A., V); Abdullah, MMAB (Abdullah, M. M. A. B.); Kalwik, A (Kalwik, A.); Mousavi, P (Mousavi, P.); Hasani, S (Hasani, S.); Jez, B (Jez, B.), Source: ACTA PHYSICA POLONICA A Volume: 139 Issue: 5 Pages: 582-585 DOI: 10.12693/APhysPolA.139.582 Published: MAY 2021 **10/1= 10,00** 13.6. Structural and Magnetic Relaxation of Fe61Co10Y8Mo1B20 Bulk Amorphous Alloy Obtained Using Two Methods, By: Pietrusiewicz, Pawel; Nabialek, Marcin; Jez, Bartlomiej, REVISTA DE CHIMIE Volume: 69 Issue: 8 Pages: 2097-2101 Published: AUG 2018 1**5,00/1=15,00** 13.7. A Review on Fly Ash as a Raw Cementitious Material for Geopolymer ConcreteBy: Bouaissi, Aissa; Li, Long Yuan; Moga, Ligia Mihaela; et al.REVISTA DE CHIMIE Volume: 69 Issue: 7 Pages: 1661-1667 Published: JUL 2018 1**5,00/1=15,00** 13.8. Microstructure and High-Field Magnetic Properties of Fe-Based Bulk Amorphous Alloys, By: Bloch, Katarzyna, REVISTA DE CHIMIE Volume: 69 Issue: 4 Pages: 982-985 Published: APR 2018 1**5,00/1=15,00** 13.9. Structural Changes in the Superficial Layers of a Non-conventional Treated Steel Subjected to a Wear Process By: Papadatu, Carmen Penelopi; Sandu, Andrei Victor; Bordei, Marian; et al.REVISTA DE CHIMIE Volume: 68 Issue: 10 Pages: 2329-2333 Published: OCT 2017 1**5,00/1=15,00** 13.10. Experimental Analysis of Resistance to Electrocorosion of a High Chromium Cast Iron with Applications in the Vehicle Industry By: Florea, Costel Dorel; Carcea, Ioan; Cimpoesu, Ramona; et al.REVISTA DE CHIMIE Volume: 68 Issue: 10 Pages: 2397-2401 Published: OCT 2017 ; 1**5,00/1=15,00**		

Structura activităţii	Restricţii Prof	Punctaj
13.11. ZnO Photoanode Effect on the Efficiency Performance of Organic Based Dye Sensitized Solar CellBy: Mohamad, I. S.; Ismail, S. S.; Norizan, M. N.; et al.Conference: International Conference on Innovative Research (ICIR Euroinvent) Location: Iasi, ROMANIA Date: MAY 25-26, 2017 Sponsor(s): Romanian Inventors Forum; Gheorghe Asachi Tech Univ Iasi, Fac Mat Sci & Engn; Alexandru Ioan Cuza Univ Iasi, ARHEOINVEST Platform; Univ Malaysia Perlis, Ctr Excellence Geopolymer & Green Technol; Malaysian Res & Innovat Soc; EUROINVENTINTERNATIONAL CONFERENCE ON INNOVATIVE RESEARCH - ICIR EUROINVENT 2017 Book Series: IOP Conference Series-Materials Science and Engineering Volume: 209 Article Number: 012028 Published: 2017; **5,00/1=5,00** 13.12. Indium (In) Effects to The Efficiency Performance of Ga1-XInxP/GaAs Based Solar Cell Using Silvaco Software Modelling & SimulationBy: Norizan, M. N.; Zahari, S. M.; Mohamad, I. S.; et al.Conference: International Conference on Innovative Research (ICIR Euroinvent) Location: Iasi, ROMANIA Date: MAY 25-26, 2017 Sponsor(s): Romanian Inventors Forum; Gheorghe Asachi Tech Univ Iasi, Fac Mat Sci & Engn; Alexandru Ioan Cuza Univ Iasi, ARHEOINVEST Platform; Univ Malaysia Perlis, Ctr Excellence Geopolymer & Green Technol; Malaysian Res & Innovat Soc; EUROINVENTINTERNATIONAL CONFERENCE ON INNOVATIVE RESEARCH - ICIR EUROINVENT 2017 Book Series: IOP Conference Series-Materials Science and Engineering Volume: 209 Article Number: 012029 Published: 2017; **5,00/1=5,00** 13.13.SIMULATION OF CASTING AND SOLIDIFICATION PROCESSES OF ALUMINUM ALLOYS FOR AERONAUTICAL APPLICATIONS, Bernevig, Mihai, METALURGIA INTERNATIONAL Volume: 17 Issue: 10 Pages: 88-91 Published: 2012; 1**5,00/1=15,00** 13.14. CORROSION BEHAVIOUR AND SURFACE ANALYSIS OF A Co-BASED AND TWO Ni-BASED DENTAL ALLOYS IN ARTIFICIAL SALIVA, Strugaru, Sorin Iacob; Grancea, Viorel, METALURGIA INTERNATIONAL Volume: 17 Issue: 5 Pages: 55-59 Published: 2012; 1**5,00/1=15,00** 13.15.SUB-ZERO TREATMENTS ON CASE HSS STEELS. STRENGTH PROPERTY ESTIMATE, Bulancea, Vasile; Gheorghiu, Diana Antonia; Achitei, Dragos, METALURGIA INTERNATIONAL Volume: 16 Issue: 6 Pages: 47-52 Published: 2011; 1**5,00/1=15,00** 13.16. SURFACE QUALITY IMPROVEMENT OF CAST IRON PARTS BY DEPOSITION WITH W AND WC ELECTRODES USING ELECTRIC IMPULSE DISCHARGE METHOD, By: Cristina, Perju Manuela; Carmen, Nejneru; Elena, Largeanu Anca; et al. Conference: 15th International Conference of Modern Technoliges, Quality and Innovation Location: Vadul lui Voda, MOLDOVA Date: MAY 25-27, 2011, Sponsor(s): Redesign Solutions Iasi; Profess Assoc Modern Mfg Technol; Patis; Serbian Acad Sci & Arts, Inst Tech Sci; Gheorghe Asachi Tech Univ Iasi Romania, Fac Machine Mfg & Ind Management, Dept Machine Mfg Technol; Tech Univ Moldova Chisinau, Dept Machine Mfg Technol, MODTECH 2011: NEW FACE OF T.M.C.R., VOL I AND II Book Series: International Conference ModTech Proceedings Pages: 845-848 Published:2011; **5/1=5,00** 13.17.NUMERICAL SIMULATION RESULTS OF METAL FLOW AND SOLIDIFICATION OF ROSETTE COMPONENTS, Butnaciuc, Dorel; Galusca, Dan Gelu, METALURGIA INTERNATIONAL Volume: 15 Special Issue: 6 Pages: 5-8 Published: 2010; 1**5,00/1=15,00** 13.18.WATER TEMPERATURE INFLUENCE ON METALLIC MATERIALS COOLING, Grecu, Adrian; Galusca, Dan Gelu; Nejneru, Carmen; et al., METALURGIA INTERNATIONAL Volume: 15 Issue: 12 Pages: 37-40 Published: 2010; 1**5,00/1=15,00** 13.19.THE IMPACT OF FINANCIAL LIBERALIZATION ON THE PERFORMANCE OF BANKS IN ROMANIA, Andries, Alin Marius; Asandului, Mircea, METALURGIA INTERNATIONAL Volume: 15 Issue: 11 Pages: 97-106 Published: 2010; 1**5,00/1=15,00** 13.20.EXPERIMENTAL RESEARCHES REGARDING THE SAMPLES FROM COMPOSITE MATERIAL WITH PARTICLES REINFORCEMENT, Nedelcu, Dumitru; Tabacaru, Lucian; Dusa, Petru; et al., METALURGIA INTERNATIONAL Volume: 14 Pages: 65-68 Published: 2009; 1**5,00/1=15,00**		

Structura activităţii	Restricţii Prof	Punctaj
13.21.SOME CONSIDERATIONS ABOUT THE ANALYZING OF TRACTION BREAK SURFACE OF REINFORCEMENT COMPOSITE MATERIAL WITH SI-C PARTICLES, Nedelcu, Dumitru; Chelariu, Romeo; Tabacaru, Lucian, METALURGIA INTERNATIONAL Volume: 14 Pages: 69-72 Published: 2009; 1**5,00/1=15,00** **14. Carabet, RG; Vizureanu, P; Perju, MC., Sustainable Development And Disperse Precipitation Technologies, On Nanometric Level, Using Alternant Cycles, Management of Technological Changes, Vol 2 Pages: 33-35 Published: 2009 (8,32)** 14.1. Behavior of Al-Mg Alloy Subjected To Thermal Processing, Author(s): Achitei, DC (Achitei, Dragos Cristian); Minciuna, MM (Minciuna, Mirabela Georgiana); Sandu, AV (Sandu, Andrei Victor); Abdullah, MMA (Abdullah, Mohd Mustafa Al Bakri) Edited by: Abdullah MMAB; AbdRahim SZ; BinGhazli MF; Tahir MFM; Yong HC; Ahmad R, Source: ADVANCED MATERIALS ENGINEERING AND TECHNOLOGY V Book Series: AIP Conference Proceedings Volume: 1835 Article Number: 020051 DOI: 10.1063/1.4983791 Published: 2017 **5/3=1,66** 14.2. MICROSTRUCTURAL 2D AND 3D ANALYZE OF A SHAPE MEMORY ALLOY IN DIFFERENT SOLICITATION CONDITIONS, By: Cimpoesu, Nicanor; Gurlui, Silviu Octavian; Stanciu, Sergiu; et al. Conference: 16th International Conference on Modern Technologies, Quality and Innovation Location: Sinaia, ROMANIA Date: MAY 24-26, 2012 , Sponsor(s): Dept Machine Mfg Techn; Profession Assoc Modern Mfg Technol; MuS, Machine & Cutting Tools Dept MODTECH 2012: NEW FACE OF T M C R, VOLS I AND II Book Series: International Conference ModTech Proceedings Pages: 189-192 Published: 2012; **5/3=1,66** 14.3. The Influence of the Temperature Regime on the Mechanical Properties of the Thick Steel Sheets from Carbon and Low alloy Steels, Laminated to Thicknesses More than 40 mm, By: Bordei, Marian; Sandu, Andrei Victor; Papadatu, Carmen Penelopi; et al. REVISTA DE CHIMIE Volume: 69 Issue: 3 Pages: 632-635 Published: MAR 2018; 1**5/3=5,00** **15. Vizureanu, P; Samoila, C; Cotfas, D, MATERIALS PROCESSING USING SOLAR ENERGY, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, Volume: 8, Issue: 2, Pages: 301-306, Published: MAR-APR 2009(110,00)** 15.1. Recycling Waste Materials to Fabricate Solar-Driven Self-Cleaning Geopolymers, Luévano-Hipólito, E; Torres-Martínez, LM and Rodríguez-González, E, May 2024, WASTE AND BIOMASS VALORIZATION 15 (5) , pp.2833-2843 1**5/3=5,00** 15.2. Study on the Possibilities of Developing Cementitious or Geopolymer Composite Materials with Specific Performances by Exploiting the Photocatalytic Properties of TiO2 Nanoparticles, Hegyi, A; Lazarescu, AV; (...); Stoian, V, May 15 2023, MATERIALS 16 (10) **20/3=6,66** 15.3. Multi-objective optimization of nanofluid-based direct absorption solar collector for low-temperature applications Baro, RK; Kotecha, P and Anandalakshmi, R, Aug 1 2023, JOURNAL OF BUILDING ENGINEERING 72 **30/3=10,00** 15.4. Multi-criteria decision analysis for optimum selection of different construction bric ks, Murugesan, P; Partheeban, P; (...); Christopher, CG Jul 15 2023, JOURNAL OF BUILDING ENGINEERING 71 **30/3=10,00** 16.5. The Influence of Heat Treatment on the Phononic Multilayer Sensor, By: Garus, Sebastian, REVISTA DE CHIMIE Volume: 70 Issue: 10 Pages: 3671-3673 Published: OCT 2019; **15/3=5,00** 15.6. Magnetic Properties of FeCoWYB-based Ferromagnetic Alloys with a Small Addition of Pt, By: Pietrusiewicz, Pawel REVISTA DE CHIMIE Volume: 69 Issue: 12 Pages: 3386-3388 Published: DEC 2018 ; 1**5/3=5,00** 15.7. The Effect of Coloring on the Transmission of Electromagnetic Radiation in Eyeglass Lenses, By: Pietrusiewicz, Pawel MATERIALE PLASTICE Volume: 55 Issue: 4 Pages: 640-643 Published: DEC 2018 ; 1**5/3=5,00**		

Structura activităţii	Restricţii Prof	Punctaj
15.8 . The Choice of Recycling Methods for Single-Polymer Polyester Composites, By: Gawdzinska, Katarzyna; Nabialek, Marcin; Sandu, Andrei Victor; et al., MATERIALE PLASTICE Volume: 55 Issue: 4 Pages: 658-665 Published: DEC 2018; 1**5/3=5,00** 15.9. The Influence of the Temperature Regime on the Mechanical Properties of the Thick Steel Sheets from Carbon and Low alloy Steels, Laminated to Thicknesses More than 40 mm, By: Bordei, Marian; Sandu, Andrei Victor; Papadatu, Carmen Penelopi; et al. REVISTA DE CHIMIE Volume: 69 Issue: 3 Pages: 632-635 Published: MAR 2018 ; 1**5/3=5,00** 15.10. Modeling and simulation of temperature effect in polycrystalline silicon PV cells, Marcu, M, Niculescu, T, Slusariuc, RI, Popescu, FG, INTERNATIONAL CONFERENCE ON INNOVATIVE RESEARCH - ICIR EUROINVENT 2016, Book Series: IOP, Conference Series-Materials Science and Engineering, Volume: 133, Article Number: UNSP 012005, Published: 2016. **5/3=1,67** 15.11. CHEMICAL INFLUENCE OF FLUIDIZED BED SAND ON AlMg2 SURFACE ALLOY DURING SOLUTION ANNEALING HEAT TREATMENT, Bernevig, Mihai, METALURGIA INTERNATIONAL Volume: 18 Issue: 2 Pages: 30-34 Published: 2013**;** 1**5/3=5,00** 15.12.EXPERIMENTAL STRUCTURAL, PHYSICAL AND MECHANICAL CHARACTERISTICS OF THE MAGNETISABLE COMPOSITE YARNS, Grosu, Marian-Catalin; Hossu, Ioan; Avram, Dorin; et al., METALURGIA INTERNATIONAL Volume: 17 Issue: 1 Pages: 28-34 Published: 2012**;** 1**5/3=5,00** 15.13.SOLAR SYSTEMS FOR WOOD DRYING, Campean, Mihaela; Marinescu, Ion, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL Volume: 10 Issue: 8 Pages: 1069-1076 Published: AUG 2011; **15/3=5,00** 15.14.EXPERIMENTAL RESEARCH ON TRANSIENT REGIMES OF SOLAR AIR HEAT COLLECTORS, Ciocanea, Adrian; Dragomirescu, Andrei; Budea, Sanda, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL Volume: 10 Issue: 8 Pages: 1097-1103 Published: AUG 2011; **15/3=5,00** 15.15.A GIS METHOD FOR ASSESSING ROOF-MOUNTED SOLAR ENERGY POTENTIAL: A CASE STUDY IN JIANGSU, CHINA, Liu, Guangxu; Wu, Wenxiang; Ge, Quansheng; et al., ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL Volume: 10 Issue: 6 Pages: 843-848 Published: JUN 2011; **15/3=5,00** 15.16. ENVIRONMENTAL IMPACT SCENARIO OF AN AZIMUTHAL TRACKED PV PLATFORM BASED ON CO2 EMISSIONS REDUCTION, Butuc, Bianca Raluca; Moldovean, Gheorghe, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL Volume: 10 Issue: 2 Pages: 271-276 Published: FEB 2011; **15/3=5,00** 15.17.EXPERIMENTAL MAGNETIC CHARACTERISTICS OF THE COMPOSITE YARNS, Grosu, Marian-Catalin; Hossu, Ioan; Avram, Dorin; et al., METALURGIA INTERNATIONAL Volume: 16 Issue: 12 Pages: 58-62 Published: 2011**;** 1**5/3=5,00** 15.18.CHARGED PARTICLE BEAM PRODUCTION VIA LASER ABLATION FOR TRACEABILITY MARKING, Rusu, Stefan; Galusca, Dan-Gelu; Rusu, Ioan; et al., METALURGIA INTERNATIONAL Volume: 16 Issue: 10 Pages: 11-18 Published: 2011; 1**5/3=5,00** 15.19.ENERGY AND ECONOMICAL GROWTH: OVERVIEW AND GLOBAL CHALLENGES, Guillet, Remi, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL Volume: 9 Issue: 10 Pages: 1357-1362 Published: OCT 2010; **15/3=5,00** 15.20.PRELIMINARY SIZING AND OPTIMIZATION OF A MICRO SOLAR POWER PLANT BY A PARAMETRIC SENSITIVITY STUDY, Mathieu, Antoine; Feidt, Michel; Rochelle, Pierre; et al., ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL Volume: 9 Issue: 10 Pages: 1381-1387 Published: OCT 2010; **15/3=5,00** 15.21.WATER TEMPERATURE INFLUENCE ON METALLIC MATERIALS COOLING, Grecu, Adrian; Galusca, Dan Gelu; Nejneru, Carmen; et al., METALURGIA INTERNATIONAL Volume: 15 Issue: 12 Pages: 37-40 Published: 2010; **5/3=1,67**		

Structura activităţii	Restricţii Prof	Punctaj
16. C. Popa, P. Vizureanu, I. Casian Botez, C. M. Stoica, A. Nicuta, C. Nejneru, L. Bibire, A. Ghenadi, Theoretical and Experimental Results on the Charge Transport in Plasma Structures Through Spontaneously Symmetry Breaking. New Transport Mechanisms in Composite Materials, Revista Materiale Plastice, 46, Nr. 2, 2009, pg. 144-148. (5,63) 16.1. Optimal design of process parameters, experimental fabrication and characterisation of a novel hybrid polymer nanocomposite, By: Huang, Shyh-Chour; Minh-Tai Le, INTERNATIONAL JOURNAL OF MATERIALS & PRODUCT TECHNOLOGY, Volume: 52, Issue: 3-4, Special Issue: SI, Pages: 362-380, Published: 2016. **10/8=1,25** 16.2. SEVERAL ASPECTS ABOUT FRACTALITATY ROLE IN THE DYNAMICS OF COMPLEX SYSTEMS, By: Ivan, Mihaela Viviana; Zala, Andrei; Agop, Andrei; et al., UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS Volume: 79 Issue: 3 Pages: 235-246 Published: 2017**; 10/8=1,25** 16.3. FRACTALITY INFLUENCES ON A FREE GAUSSIAN "PERTURBATION" IN THE HYDRODINAMIC VERSION OF THE SCALE RELATIVITY THEORY. POSSIBLE IMPLICATIONS IN THE BIOSTRUCTURES DYNAMICS, By: Dabija, Radu Crisan; Zala, Andrei; Hnatiuc, Eugen; et al., UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS Volume: 79 Issue: 4 Pages: 281-292 Published: 2017**; 10/8=1,25** 16.4. Photonic Transmission of a Circular Aperiodic Superlattice Made of GaAs and Metamaterial Equivalent of NaCl, By: Szota, Michal, REVISTA DE CHIMIE Volume: 69 Issue: 1 Pages: 166-168 Published: JAN 2018; **15/8=1,88** **17. Nica, P; Vizureanu, P; Agop, M; Gurlui, S; Focsa, C; Forna, N; Ioannou, PD; Borsos, Z, Experimental and Theoretical Aspects of Aluminum Expanding Laser Plasma, JAPANESE JOURNAL OF APPLIED PHYSICS, Volume: 48, Issue: 6, Article Number: 066001, DOI: 10.1143/JJAP.48.066001, Published: JUN 2009 (16,28)** 17.1. Exploring Ion Dynamics in Laser-Produced Plasmas, Irimiciuc, SA; Chertopalov, S; (...); Lancok, J, Jan 2025 (Early Access) CONTRIBUTIONS TO PLASMA PHYSICS **10/8= 1,25** 17.2. Langmuir Probe Technique for Plasma Characterization during Pulsed Laser Deposition Process, Author(s): Irimiciuc, SA (Irimiciuc, Stefan Andrei); Chertopalov, S (Chertopalov, Sergii); Lancok, J (Lancok, Jan); Craciun, V (Craciun, Valentin), Source: COATINGS Volume: 11 Issue: 7 Article Number: 762 DOI: 10.3390/coatings11070762 Published: JUL 2021 **20/8 = 2,50** 17.3. Temporal and Spectral Characterization of Electromagnetic Pulse Emitted From Nanosecond Pulsed Laser Produced Aluminum Plasma By: Ullah, Shakir; Qayyum, Hamza; Rehman, Zia Ur; et al., IEEE TRANSACTIONS ON PLASMA SCIENCE Volume: 48 Issue: 9 Pages: 3261-3266 Published: SEPT 2020; **15/8=1,88** 17.4. Spatial-Resolved Measurement and Analysis of Extreme-Ultraviolet Emission Spectra from Laser-Produced Al Plasmas By: Cao, Shi-Quan; Su, Mao-Gen; Sun, Dui-Xiong; et al., CHINESE PHYSICS LETTERS Volume: 33 Issue: 4 Article Number: 045201 Published: APR 2016; **15/8=1,88** **17.5.** Features of the formation of a laser flare from aluminum in the presence of a background gas, By: Shuaibov, A. K.; Mesarosh, L. V.; Chuchman, M. P., JOURNAL OF OPTICAL TECHNOLOGY Volume: 78 Issue: 6 Pages: 358-361 Published: JUN 2011**; 10/8= 1,25** **17.6.** Spatial and emission characteristics of aluminum laser torch plasma, By: Chuchman, M. P.; Suaibov, A. K.; Mesarosh, L. V. HIGH TEMPERATURE Volume: 49 Issue: 3 Pages: 452-455 Published: JUN 2011 **15/8=1,88** 17.7. Effect of air pressure on the spatial and emission characteristics of an aluminum laser torch under subthreshold conditions of ablation, By: Chuchman, M. P.; Shuaibov, A. K.; Mesarosh, L. V., TECHNICAL PHYSICS Volume: 56 Issue: 1 Pages: 117-120 Published: JAN 2011 **10/8= 1,25** 17.8. ON CHEMICAL AND MECHANICAL PROPERTIES OF AA7075 T651, By: Stefanica, Roxana-Gabriela; Nejneru, Carmen; Dima, Adrian, Conference: 14th International Conference on Modern Technologies, Quality and Innovation (ModTech 2010) Location: Slanic		

Structura activităţii	Restricţii Prof	Punctaj
Moldova, ROMANIA Date: MAY 20-22, 2010, Sponsor(s): TCM, Dept Machine Mfg Technol; ModTech, Iasi; TCM, Dept Chisinau; Serbian Acad Sci Arts, Inst Tech Sci; Redesign; Toyota Iasi; Shell; MOL; URB; MO Serv Syst, MODTECH 2010: NEW FACE OF TMCR, PROCEEDINGS Book Series: Proceedings of the International Conference ModTech Pages: 579-582 Published: 2010; **5/8=0,63** 17.9.IMPLICATIONS OF SCALE RELATIVITY IN GRAVITATIONAL AND ELECTROMAGNETIC FIELD THEORY, Abacioaie, D. S.; Paun, M. A.; Niculescu, O.; et al., ROMANIAN JOURNAL OF PHYSICS Volume: 55 Issue: 7-8 Pages: 665-675 Published: 2010. 1**5/8=1,88** 17.10.Theoretical Model of Polymer Plasma Laser Ablation, Paun, Viorel-Puiu; Paun, Maria-Alexandra, MATERIALE PLASTICE Volume: 46 Issue: 3 Pages: 339-340 Published: SEP 2009 1**5/8=1,88** **18. A. Gaba, Ş. Iordache, M. Vlădescu, D. Ungureanu, P. Vizureanu, Reducing of Pollutants Emissions and Heavy Liquid Fuels Consumption in Boilers by using of Additives, Environmental Engineering and Management Journal, September/October 2009, Vol. 8, No.5, pg. 1241-1246 (2,00)** 18.1. AN ASSESTMENT OF CARBON DIOXIDE EMISSIONS RELATED TO FUEL CONSUMPTION FOR SUNFLOWER CULTIVATION, By: Ozturk, H. Huseyin, FRESENIUS ENVIRONMENTAL BULLETIN Volume: 27 Issue: 2 Pages: 710-719 Published: 2018; 10/**5=2,00** **19. Buzea, CG; Bejinariu, C; Boris, C; Vizureanu, P; Agop, M, Motion of free particles in fractal space-time, INTERNATIONAL JOURNAL OF NONLINEAR SCIENCES AND NUMERICAL SIMULATION, Volume: 10, Issue: 11-12, Pages: 1399-1414, Published: NOV-DEC 2009 (35,00)** 19.1. Band GAP Frequency Response in Regular Phononic Crystals, By: Garus, Sebastian; Szota, Michal, REVISTA DE CHIMIE Volume: 69 Issue: 12 Pages: 3372-3375 Published: DEC 2018; **15/5=3,00** 19.2. The Choice of Recycling Methods for Single-Polymer Polyester Composites, By: Gawdzinska, Katarzyna; Nabialek, Marcin; Sandu, Andrei Victor; et al., MATERIALE PLASTICE Volume: 55 Issue: 4 Pages: 658-665 Published: DEC 2018; **15/5=3,00** 19.3. Optimization and Numerical Anlysis of Mechanical Properties of Connecting Rod in the Internal Combustion Engine, By: Sliwa, Agata; Gros, Dariusz; Sandu, Andrei Victor; et al., REVISTA DE CHIMIE Volume: 69 Issue: 10 Pages: 2813-2815 Published: OCT 2018; **15/5=3,00** 19.4. The Influence of Parameters of Heat Treatment on Thickens and Roughness of Oxide Layers on Titanium Alloy Ti6A14V, By: Szota, Michal; Lukaszewicz, Adrian; Kosinski, Konrad, REVISTA DE CHIMIE Volume: 69 Issue: 10 Pages: 2850-2853 Published: OCT 2018; **15/5=3,00** 19.5. The Investigations of Fe2MnGe Heusler Alloy Using Density Functional Theory, By: Gruszka, Konrad, REVISTA DE CHIMIE Volume: 69 Issue: 6 Pages: 1533-1536 Published: JUN 2018; **15/5=3,00** 19.6. The Influence of the Temperature Regime on the Mechanical Properties of the Thick Steel Sheets from Carbon and Low alloy Steels, Laminated to Thicknesses More than 40 mm, By: Bordei, Marian; Sandu, Andrei Victor; Papadatu, Carmen Penelopi; et al., REVISTA DE CHIMIE Volume: 69 Issue: 3 Pages: 632-635 Published: MAR 2018; **15/5=3,00** 19.7. Finite Element Method Application for the Determination of Hardness for Magnesium Alloys, By: Sliwa, Agata; Sroka, Marek; Bloch, Katarzyna; et al., REVISTA DE CHIMIE Volume: 69 Issue: 2 Pages: 324-327 Published: FEB 2018; **15/5=3,00** 19.8. Protection of Tempered Aluminum Alloy in Contact with the Environment, By: Araoyinbo, A. O.; Salleh, M. A. Amohd; Rahmat, A.; et al., Conference: EUROINVENT International Conference on Innovative Research (ICIR) Location: Iasi, ROMANIA Date: MAY 17-18, 2018		

Structura activităţii	Restricţii Prof	Punctaj
Sponsor(s): Romanian Inventors Forum; Gheorghe Asachi Tech Univ Iasi, Fac Mat Sci & Engn; Alexandru Ioan Cuza Univ Iasi, ARHEOINVEST Platform; Univ Malaysia Perlis, Ctr Excellence Geopolymer & Green Technol; EUROINVENT, EUROINVENT ICIR 2018 Book Series: IOP Conference Series-Materials Science and Engineering Volume: 374 Article Number: UNSP 012043 Published: 2018; **5/5=1,00** 19.9. Structural Analysis of Fragments of the Broken Coat of a Cylinder which Led to the Dismantling of a Combustion EngineBy: Potecasu, Florentina; Bordei, Marian; Sandu, Ion, MATERIALE PLASTICE Volume: 54 Issue: 4 Pages: 715-719 Published: DEC 2017; **15/5=3,00** 19.10. Characterization of Advanced Ceramic Materials Thin Films Deposited on Fe-C Substrate, By: Florea, Costel Dorel; Munteanu, Corneliu; Cimpoesu, Nicanor; et al., REVISTA DE CHIMIE Volume: 68 Issue: 11 Pages: 2582-2587 Published: NOV 2017; **15/5=3,00** 19.11. Experimental Analysis of Resistance to Electrocorosion of a High Chromium Cast Iron with Applications in the Vehicle Industry By: Florea, Costel Dorel; Carcea, Ioan; Cimpoesu, Ramona; et al., REVISTA DE CHIMIE Volume: 68 Issue: 10 Pages: 2397-2401 Published: OCT 2017; **15/5=3,00** 19.12.The influence of jet gas temperature on the characteristics of steel coating obtained by wire arc spraying, Toma, Stefan Lucian, SURFACE & COATINGS TECHNOLOGY Volume: 220 Pages: 261-265 Published: APR 15 2013; **20/5=4,00** **20. Nica, V. Rusu, M. A. Paun, C. Stefanescu, P. Vizureanu, A. Aluculesei, Thermal Properties of Nanofilled and Microfilled Restorative Composites, Revista MATERIALE PLASTICE ♦ 46 ♦ Nr. 4 ♦ 2009, pg. 431-434 (24,16)** 20.1. Agop, S (Agop, Stefana); Filipeanu, D (Filipeanu, Dumitru); Tiganas, CG (Tiganas, Claudiu-Gabriel); Grigoras-Ichim, CE (Grigoras-Ichim, Claudia-Elena); Morosan-Danila, L (Morosan-Danila, Lucia); Gavrilut, A (Gavrilut, Alina); Agop, M (Agop, Maricel); Stefan, G (Stefan, Gavril), Source: SYMMETRY-BASEL Volume: 15 Issue: 3 Article Number: 681 DOI: 10.3390/sym15030681 Published: MAR 2023 **20/6=3,33** 20.2. Himiniuc, LM (Himiniuc, Loredana Maria); Toma, BF (Toma, Bogdan Florin); Popovici, R (Popovici, Razvan); Grigore, AM (Grigore, Ana Maria); Hamod, A (Hamod, Alexandru); Volovat, C (Volovat, Constantin); Volovat, S (Volovat, Simona); Nica, I (Nica, Irina); Vasincu, D (Vasincu, Decebal); Agop, M (Agop, Maricel); Tirnovanu, M (Tirnovanu, Mihaela); Ochiuz, L (Ochiuz, Lacramioara); Negura, A (Negura, Anca); Grigore, M (Grigore, Mihaela), Source: JOURNAL OF IMMUNOLOGY RESEARCH Volume: 2022 Article Number: 1636908 DOI: 10.1155/2022/1636908 Published: MAY 4 2022 **20/6=3,33** **20.3.** Influence of thermal and thermomechanical stimuli on a molar tooth treated with resin-based restorative dental composites Author(s): Varghese, JT (Varghese, Jerrin Thadathil); Babaei, B (Babaei, Behzad); Farrar, P (Farrar, Paul); Prentice, L (Prentice, Leon); Prusty, BG (Prusty, B. Gangadhara), Source: DENTAL MATERIALS Volume: 38 Issue: 5 Pages: 811-823 DOI: 10.1016/j.dental.2022.04.010 Early Access Date: APR 2022 Published: MAY 2022 **30/6=5,00** **20.4.** Irimiciuc, SA (Irimiciuc, Stefan Andrei); Zala, A (Zala, Andrei); Dimitriu, D (Dimitriu, Dan); Himiniuc, LM (Himiniuc, Loredana Maria); Agop, M (Agop, Maricel); Toma, BF (Toma, Bogdan Florin); Gavril, LG (Gavril, Laura Gabriela); Vasincu, D (Vasincu, Decebal); Eva, L (Eva, Lucian), Source: SYMMETRY-BASEL Volume: 13 Issue: 6 Article Number: 1024 DOI: 10.3390/sym13061024 Published: JUN 2021 **20/6=3,33** 20.5. Influence of the Geometric Parameters on the Elastic Properties of Textile Polymeric Composites, Bejan, Liliana; Axinte, Andrei; Taranu, Nicolae, MATERIALE PLASTICE, Volume: 53, Issue: 2, Pages: 264-268, Published: JUN 2016; **15/6=2,5** 20.6. Optimal design of process parameters, experimental fabrication and characterisation of a novel hybrid polymer nanocomposite, Huang, Shyh-Chour; Minh-Tai Le, INTERNATIONAL JOURNAL OF MATERIALS & PRODUCT TECHNOLOGY, Volume: 52, Issue: 3-4, Pages: 362-380, Published: 2016; **10/6=1,67**		

Structura activităţii	Restricţii Prof	Punctaj
20.7. Morphological Study Regarding the Effect of Surface Finishing and Polishing on Corrosion Behaviour of Some Commercial Dental Amalgams, Balan, Adriana; Stoleriu, Simona; Andrian, Sorin; et al., REVISTA DE CHIMIE, volume: 66, Issue: 2, Pages: 182-186, Published: FEB 2015. **15/6=2,5** 20.8. Improving the Performance of Exterior Emulsion Paint by the Variation of the Chemical Nature of Polymer Latex, Dumitru, Petruta; Jitaru, Ioana, MATERIALE PLASTICE, Volume: 48 , Issue: 1, Pages: 64-70; Published: MAR 2011. **15/6=2,50** **21. Achitei, DC; Vizureanu, P; Stanciu, S;, Studies Concerning Thermal Conductivity For Some Copper Base Memory Shape Alloys, Modtech 2010: New Face of Tmcr, Proceedings Pages: 15-18 Published: 2010, conferinţă indexată în baza de date ISI Thomson Scientific.(8,66)** 21.1. Experimental Analysis of Resistance to Electrocorosion of a High Chromium Cast Iron with Applications in the Vehicle Industry By: Florea, Costel Dorel; Carcea, Ioan; Cimpoesu, Ramona; et al., REVISTA DE CHIMIE Volume: 68 Issue: 10 Pages: 2397-2401 Published: OCT 2017 ; **15/3=5,00** 21.2. Thermal properties of a Ti-6Al-4V alloy used as dental implant material, Costan, A., Dima, A., Ionita, I., Forna, N., Perju, MC., Agop, M., OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, Volume: 5, Issue: 1-2, Pages: 92-95, Published: JAN 2011; **5/3=1,66** **22. Vizureanu, P; Perju, MC; Galusca, DG;., Mass Transfer For Titan And Tungsten Electrode Coating Using Impulse Discharge Method, Metalurgia International Volume: 15 Issue: 12 Pages: 59-64 Published: 2010 (81,65)** 22.1. Effect of WC/C coated rolling element to improve bearing life, Author(s): Jain, A (Jain, Ayush); Vashishtha, N (Vashishtha, Nitesh); Kannan, PR (Kannan, P. Rajesh), Source: SURFACE ENGINEERING DOI: 10.1080/02670844.2023.2191885 Early Access Date: MAR 2023 **20/3= 6,66** 22.2. TOTAL LOSS CORES IN THE ASPECT OF MONUMENTS PROTECTION, Author(s): Jez, K (Jez, Kinga) Source: INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE Volume: 12 Issue: 3 Pages: 1033-1040 Published: JUL-SEP 2021 **15/3=5,00** 22.3. Structure and Properties of FeCoNCuB Nanocrystalline Alloys, Author(s): Jez, K (Jez, K.), Source: ACTA PHYSICA POLONICA A Volume: 139 Issue: 5 Pages: 499-502 DOI: 10.12693/APhysPolA.139.499 Published: MAY 2021 **10/3= 3,33** 22.4. New Sound Absorbing Materials Obtained from Waste Rigid Polyurethane Foam, By: Tiuc, Ancuta-Elena; Nemes, Ovidiu; Vermesan, Horatiu; et al., MATERIALE PLASTICE Volume: 56 Issue: 4 Pages: 1021-1027 Published: DEC 2019; **15/3=5,00** 22.5. A Study of two Dimensional Metal Carbide MXene Ti3C2 Synthesis, characterization conductivity and radiation properties, By: Rasid, Zarrul Azwan Mohd; Omar, Mohd Firdaus; Nazeri, Muhammad Firdaus Mohd; et al., MATERIALE PLASTICE Volume: 56 Issue: 3 Pages: 635-640 Published: SEP 2019; **15/3=5,00** 22.6. Thermal Insulation Properties of Insulated Concrete, By: Shahedan, Noor Fifinatasha; Abdullah, Mohd Mustafa Al Bakri; Mahmed, Norsuria; et al., REVISTA DE CHIMIE Volume: 70 Issue: 8 Pages: 3027-3031 Published: AUG 2019; **15/3=5,00** 22.7. The Structure and Magnetic Properties of Bulk Amorphous FeCoYB Alloys, By: Bloch, Katarzyna; Talar, Mateusz, REVISTA DE CHIMIE Volume: 70 Issue: 1 Pages: 245-247 Published: JAN 2019; **15/3=5,00** 22.5. Magnetic Properties of FeCoWYB-based Ferromagnetic Alloys with a Small Addition of Pt, By: Pietrusiewicz, Pawel, REVISTA DE CHIMIE Volume: 69 Issue: 12 Pages: 3386-3388 Published: DEC 2018; **15/3=5,00**		

Structura activităţii	Restricţii Prof	Punctaj
22.8. The Effect of Coloring on the Transmission of Electromagnetic Radiation in Eyeglass Lenses, By: Pietrusiewicz, Pawel, MATERIALE PLASTICE Volume: 55 Issue: 4 Pages: 640-643 Published: DEC 2018; **15/3=5,00** 22.9. Structural and Morphological Characteristics of Hybrid Nanomaterials Type Ascorbic Acid-hydrotalcite Used for Stimulating Salivary Secretion, By: Zegan, Georgeta; Golovcencu, Loredana; Cernei, Eduard Radu; et al., REVISTA DE CHIMIE Volume: 69 Issue: 5 Pages: 1244-1246 Published: MAY 2018; **15/3=5,00** 22.10. The Influence of Heat Treatment on the Shape of Fe-57 Hyperfine Field Induction Distribution in Massive Amorphous Fe-61 Co-10 Y-8 X-1 B-20 (where X = Mo, W), By: Nabialek, Marcin, REVISTA DE CHIMIE Volume: 69 Issue: 4 Pages: 802-805 Published: APR 2018; **15/3=5,00** 22.11. The Influence of the Temperature Regime on the Mechanical Properties of the Thick Steel Sheets from Carbon and Low alloy Steels, Laminated to Thicknesses More than 40 mm, By: Bordei, Marian; Sandu, Andrei Victor; Papadatu, Carmen Penelopi; et al. REVISTA DE CHIMIE Volume: 69 Issue: 3 Pages: 632-635 Published: MAR 2018; **15/3=5,00** 22.12. ZnO and TiO2 Nanoparticles Genotoxicity According to their Structural and Morphological Characteristics Used for Medical Purposes, By: Glod, Mihai; Damir, Daniela; Nichitus, Simona; et al., REVISTA DE CHIMIE Volume: 69 Issue: 3 Pages: 609-611 Published: MAR 2018. **15/3=5,00** 22.13. The Influence of the Temperature Regime on the Mechanical Properties of the Thick Steel Sheets from Carbon and Low alloy Steels, Laminated to Thicknesses More than 40 mm, By: Bordei, Marian; Sandu, Andrei Victor; Papadatu, Carmen Penelopi; et al., REVISTA DE CHIMIE Volume: 69 Issue: 3 Pages: 632-635 Published: MAR 2018; **15/3=5,00** 22.14. The Study of Crystallization Dynamics of Amorphous Precursor Fe70Mo5Cr4Nb6B15 Alloy, By: Gruszka, Konrad; Rzacki, Jakub; Nabialek, Marcin, REVISTA DE CHIMIE Volume: 69 Issue: 2 Pages: 318-320 Published: FEB 2018; **15/3=5,00** 22.15. Structural Modifications of Superficial Layer of C45 Steel Samples Through WT20 and WZr8 Depositions, By: Achitei, D. C.; Abdullah, M. M. A. B.; Sandu, A. V.; et al., Conference: International Conference on Innovative Research (ICIR Euroinvent) Location: Iasi, ROMANIA Date: MAY 25-26, 2017 , Sponsor(s): Romanian Inventors Forum; Gheorghe Asachi Tech Univ Iasi, Fac Mat Sci & Engn; Alexandru Ioan Cuza Univ Iasi, ARHEOINVEST Platform; Univ Malaysia Perlis, Ctr Excellence Geopolymer & Green Technol; Malaysian Res & Innovat Soc; EUROINVENT, INTERNATIONAL CONFERENCE ON INNOVATIVE RESEARCH - ICIR EUROINVENT 2017 Book Series: IOP Conference Series-Materials Science and Engineering Volume: 209 Article Number: 012053 Published: 2017; **5/3=1,66** 22.16. CHEMICAL INFLUENCE OF FLUIDIZED BED SAND ON AlMg2 SURFACE ALLOY DURING SOLUTION ANNEALING HEAT TREATMENT, Bernevig, Mihai, METALURGIA INTERNATIONAL, Volume: 18, Issue: 2, Pages: 30-34, Published: 2013**;** **15/3=5,00** **23. P. Vizureanu, C. Samoilă, D. Cotfas, S. Kaplanis, The Achievement of an Algorithm for the Design of a Solar Furnace, Metalurgia International, vol. 15, nr. 2, pg. 5-14, 2010 (5,00)** 23.1. SEL F REDUCING BRIQUETTES USED AS ALTERNATE MATERIAL TO STEEL OBTAINING IN EAF ON THE ELECTRO ENERGETIC REGIME, Sohaciu, Mirela Gabriela, METALURGIA INTERNATIONAL, Volume: 18, Special Issue: 6, Pages: 163-165, Published: 2013 **15/3=5,00** **24. Hanganu, SC ; Armencia, AO; Grigoras, S; Hanganu, LC; Vizureanu, P, Tribological Comparative Study on Two Composite Materials for Restorative Dental Applications in Smoking Affected Teeth, MATERIALE PLASTICE, Volume: 47, Issue: 3, Pages: 375-378, Published: SEP 2010. (12,00)**		

Structura activităţii	Restricţii Prof	Punctaj
24.1. In vitro Study Regarding the Effect of Different Types of Etching Acids on the Morphology and Chemical Content of the External Surface of Enamel Carious Lesion on Primary Teeth, Balan, Adriana; Stoleriu, Simona; Andrian, Sorin; et al., REVISTA DE CHIMIE,Volume: 66, Issue: 1, Pages: 70-73 , Published: JAN 2015. **15/5=3,00** 24.2. Georgescu, C; Botan, M ; Deleanu, L, Influence of Adding Materials in PBT on Tribological Behaviour, MATERIALE PLASTICE, Volume: 51, Issue: 4, Pages: 351-354, Published: DEC 2014. **15/5=3,00** 24.3. Ghiorghe, CA ; Stoleriu, S; Pancu, G; Topoliceanu, C; Sandu, AV; Andrian, S, Changes of the Mineral Structure in the Enamel Adjacent to Three Types of Restorative Materials after Immersion in Hydrochloric Acid, REVISTA DE CHIMIE, Volume: 65, Issue: 9, Pages: 1021-1025, Published: SEP 2014. **15/5=3,00** 24.4. Aminov, L; Vataman, M; Mocanu, M ; Iancu, CE ; Alexa, AI; Maxim, DC; Checherita, LE, Comparative Study Regarding the pH Influence on Surface Microhardness of Two Reparative Materials Used in Endodontics, REVISTA DE CHIMIE, Volume: 65, Issue: 7, Pages: 792-796, Published: JUL 2014. **15/5=3,00** **25. Dana, D; Vizureanu, P; Cimpoesu, R, BASIC BRAZE-WELDING OPERATION CHARACTERISTISTICS, METALURGIA INTERNATIONAL, Volume: 17, Issue: 6, Pages: 40-43, Published: 2012** **(3,00)** 24.1.CHEMICAL INFLUENCE OF FLUIDIZED BED SAND ON AlMg2 SURFACE ALLOY DURING SOLUTION ANNEALING HEAT TREATMENT, Bernevig, Mihai, METALURGIA INTERNATIONAL Volume: 18 Issue: 2 Pages: 30-34 Published: 2013; 1**5/3=3,00** **26. Stirbu I., Vizureanu, P ; Ratoi, M ; Cimpoesu, R,Obtaining Hydroxyapatite (HA) by Sol-Gel Method on Ti6Al4V Alloys Aiming the Implant's Surface Bio-Functionalization, Book Group Author(s):IEEE, 2013 E-HEALTH AND BIOENGINEERING CONFERENCE (EHB), Published: 2013.** **(5,00)** **26.1.** Processing of Ti/(HA+ZrO2) biocomposite and 50% porous hybrid scaffolds with low Young's modulus by powder metallurgy: Comparing of structural, mechanical, and corrosion properties, Author(s): Topuz, M (Topuz, Mehmet); Dikici, B (Dikici, Burak); Gavgali, M (Gavgali, Mehmet); Kaseem, M (Kaseem, Mosab), Source: MATERIALS TODAY COMMUNICATIONS Volume: 29 Article Number: 102813 DOI: 10.1016/j mtcomm.2021.102813 Early Access Date: SEP 2021 Published: DEC 2021 **20/4=5,00** **27. Achitei, DC; Vizureanu, P; Dana, D; Cimpoesu, N, OBTAINING AND TERMOMECHANICAL FATIGUE BEHAVIOUR OF THE Cu75.9Zn16.8Al7.11 ALLOY, METALURGIA INTERNATIONAL** **(63,75)** 27.1. Effect of brittle TiN coating on fatigue performance of TC11 titanium alloy under rotating bending and tension-tension Zhang, ZL; Zhang, YL; (...); He, GY, Dec 15 2023, JOURNAL OF ALLOYS AND COMPOUNDS 968 **30/4=7,50** 27.2. Structure, Magnetic Properties and Magnetization Reversal Processes in Nanocrystalline Pr(8)Dy(1)Fe(60)Co(7)Mn(6)B(14)Zr(1)Ti(3)Bulk Alloy, By: Przybyl, Anna; Wnuk, Izabela; Wyslocki, Jerzy J., REVISTA DE CHIMIE Volume: 70 Issue: 11 Pages: 4086-4088 Published: NOV 2019; **15/4=3,75** 27.3. Synthesis and Structural Characterization of Cobalt Nanostructures in AAO Membranes, By: Calin, Gabriela; Mitrea, Geta; Marcu, Constantin; et al., REVISTA DE CHIMIE Volume: 70 Issue: 9 Pages: 3444-3447 Published: SEP 2019; **15/4=3,75** 27.4. Structure and Selected Properties of Intraocular Implants (PMMA, Acrylic), By: Gacek, Marcin; Wyslocki, Jerzy; Gondro, Joanna; et al. MATERIALE PLASTICE Volume: 56 Issue: 3 Pages: 621-624 Published: SEP 2019; **15/4=3,75**		

Structura activităţii	Restricţii Prof	Punctaj
27.5. A Study of two Dimensional Metal Carbide MXene Ti3C2 Synthesis, characterization conductivity and radiation properties, By: Rasid, Zarrul Azwan Mohd; Omar, Mohd Firdaus; Nazeri, Muhammad Firdaus Mohd; et al., MATERIALE PLASTICE Volume: 56 Issue: 3 Pages: 635-640 Published: SEP 2019; **15/4=3,75** 27.6. Thermal Insulation Properties of Insulated Concrete, By: Shahedan, Noor Fifinatasha; Abdullah, Mohd Mustafa Al Bakri; Mahmed, Norsuria; et al., REVISTA DE CHIMIE Volume: 70 Issue: 8 Pages: 3027-3031 Published: AUG 2019; **15/4=3,75** 27.7. Structure, Core Losses, Curie Temperature, Defects in the Structure of the Bulk Amorphous Alloy Fe55Co15W2Y8B20 By: Gondro, Joanna, REVISTA DE CHIMIE Volume: 70 Issue: 7 Pages: 2699-2702 Published: JUL 2019; **15/4=3,75** 27.8. Amoxicilin and Clavulanic Acid Intercaled Nanostructures for Dentistry Uses, By: Zegan, Georgeta; Anistoroaei, Daniela; Carausu, Elena Mihaela; et al., MATERIALE PLASTICE Volume: 56 Issue: 2 Pages: 396-398 Published: JUN 2019; **15/4=3,75** 27.9. Effect of Heat Treatment on Magnetic Properties of Bulk Amorphous Alloys Fe63+xCo10Y7-xB20 (x = 0, 2), By: Wyslocki, Jerzy; Talar, Mateusz, REVISTA DE CHIMIE Volume: 70 Issue: 2 Pages: 724-729 Published: FEB 2019; **15/4=3,75** 27.10. Structure and Magnetic Properties of Amorphous Fe-Zr-Nb-Cu-B-(Y) Ribons, By: Gondro, Joanna, REVISTA DE CHIMIE Volume: 70 Issue: 1 Pages: 233-235 Published: JAN 2019; **15/4=3,75** 27.11. The Influence of Parameters of Heat Treatment on Thickens and Roughness of Oxide Layers on Titanium Alloy Ti6A14V, By: Szota, Michal; Lukaszewicz, Adrian; Kosinski, Konrad, REVISTA DE CHIMIE Volume: 69 Issue: 10 Pages: 2850-2853 Published: OCT 2018, **15/4=3,75** 27.12.The Influence of Heat Treatment on the Shape of Fe-57 Hyperfine Field Induction Distribution in Massive Amorphous Fe-61 Co-10 Y-8 X-1 B-20 (where X = Mo, W), By: Nabialek, Marcin, REVISTA DE CHIMIE Volume: 69 Issue: 4 Pages: 802-805 Published: APR 2018; **15/4=3,75** 27.13. Occurence of Characteristic Peaks in Phononic Multilayer Structures, By: Garus, Sebastian; Szota, Michal, REVISTA DE CHIMIE Volume: 69 Issue: 3 Pages: 735-738 Published: MAR 2018; **15/4=3,75** 27.14. Mossbauer Studies of Rapid Cooled Amorphous Iron Alloys in as Cast State, By: Nabialek, Marcin, REVISTA DE CHIMIE Volume: 69 Issue: 1 Pages: 148-151 Published: JAN 2018; **15/4=3,75** 27.15. Experimental Analysis of Resistance to Electrocorosion of a High Chromium Cast Iron with Applications in the Vehicle Industry By: Florea, Costel Dorel; Carcea, Ioan; Cimpoesu, Ramona; et al., REVISTA DE CHIMIE Volume: 68 Issue: 10 Pages: 2397-2401 Published: OCT 2017; **15/4=3,75** 27.16. Study on the Influence of the Treatment in Magnetic Field on the Nitrided Layer in Plasma, By: Papadatu, Carmen Penelopi; Sandu, Andrei Victor; Bordei, Marian; et al., REVISTA DE CHIMIE Volume: 68 Issue: 4 Pages: 675-679 Published: APR 2017; **15/4=3,75** **28. Minciuna, MG; Vizureanu, P, COBALT ALLOYS RESEARCH USED IN MEDICAL APPLICATIONS, METALURGIA INTERNATIONAL, Volume: 18, Pages: 123-126, Special Issue: 6, Published: 2013 (10,00)** 28.1. The Study of Crystallization Dynamics of Amorphous Precursor Fe70Mo5Cr4Nb6B15 Alloy, By: Gruszka, Konrad; Rzacki, Jakub; Nabialek, Marcin, REVISTA DE CHIMIE Volume: 69 Issue: 2 Pages: 318-320 Published: FEB 2018; **15/2=7,50** 28.2. Topical Notions About in Vivo Analysis for Degradable Biomaterials with Utility in Human Body, By: Istrate, B.; Vololeniuc, T.; Munteanu, C.; et al., Conference: EUROINVENT International Conference on Innovative Research (ICIR) Location: Iasi, ROMANIA Date: MAY 17-18, 2018 , Sponsor(s): Romanian Inventors Forum; Gheorghe Asachi Tech Univ Iasi, Fac Mat Sci & Engn; Alexandru Ioan Cuza Univ Iasi, ARHEOINVEST Platform; Univ Malaysia Perlis, Ctr Excellence Geopolymer & Green Technol; EUROINVENT, EUROINVENT		

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ICIR 2018 Book Series: IOP Conference Series-Materials Science and Engineering Volume: 374 Article Number: UNSP 012092 Published: 2018; **5/2=2,50** **29. Perju, MC; Nejneru, C; Vizureanu, P; Axinte, M, THE SURFACE MODIFICATION OF LOW ALLOY STEEL WITH Ni ELECTRODE BY ELECTROSPARK DEPOSITION METHOD, METALURGIA INTERNATIONAL, Volume: 18, Pages: 174-177, Special Issue: 5, Published: 2013 (1,25)** 29.1. The Analysis of an Internal Combustion Engine Breakdown Case Study, By: Agape, I.; Gaiginschi, L.; Ianus, G.; et al. Conference: International Conference on Innovative Research (ICIR Euroinvent) Location: Iasi, ROMANIA Date: MAY 25-26, 2017, Sponsor(s): Romanian Inventors Forum; Gheorghe Asachi Tech Univ Iasi, Fac Mat Sci & Engn; Alexandru Ioan Cuza Univ Iasi, ARHEOINVEST Platform; Univ Malaysia Perlis, Ctr Excellence Geopolymer & Green Technol; Malaysian Res & Innovat Soc; EUROINVENT, INTERNATIONAL CONFERENCE ON INNOVATIVE RESEARCH - ICIR EUROINVENT 2017 Book Series: IOP Conference Series-Materials Science and Engineering Volume: 209 Article Number: 012077 Published: 2017; **5/4=1,25** **30. Nejneru, C; Axinte, M; Vizureanu, P; Perju, MC; Hopulele, I, POLARISED SCREEN INFLUENCE ON PLASMA DISCHARGE STABILITY FOR PLASMA NITRIDING TECHNIQUE, METALURGIA INTERNATIONAL, Volume: 18, Pages: 117-120, Special Issue: 5, Published: 2013 (3,00)** 30.1. Study on the Influence of the Treatment in Magnetic Field on the Nitrided Layer in Plasma, By: Papadatu, Carmen Penelopi; Sandu, Andrei Victor; Bordei, Marian; et al., REVISTA DE CHIMIE Volume: 68 Issue: 4 Pages: 675-679 Published: APR 2017; **15/5=3,00** **31. Sandu, AV; Bejinariu, C; Nemtoi, G; Sandu, IG; Vizureanu, P; Ionita, I; Baciu, C, New Anticorrosion Layers Obtained by Chemical Phosphatation, REVISTA DE CHIMIE, Volume: 64, Issue: 8, Pages: 825-827, Published: AUG 2013. (31,42)** 31.1. Zero-valent iron in phosphate removal: Unraveling the role of particle size and dissolved oxygen Feng, ST; Zhang, BC; (...); Huang, JJ, Apr 2024, JOURNAL OF WATER PROCESS ENGINEERING 60 **30/7=4,29** 31.2. Rapid and long-effective removal of phosphate from iron in combination with hypochlorite (ZVI/NaClO), By: Luo, Xiaoyan; Guo, Xuejun; Xia, Xinghui; et al., CHEMICAL ENGINEERING JOURNAL Volume: 382 Article Number: 122835 Published: FEB 15 2020; **30/7=4,29** 31.3. Corrosion Resistance and Cathodic Disbondment of Epoxy Coating Applied on Zinc Phosphate Conversion Coating Containing Different Amounts of Cobalt Ions, By: Hosseinirad, R.; Toorani, M.; Rouhaghdam, A. Sabour, SURFACE ENGINEERING AND APPLIED ELECTROCHEMISTRY Volume: 56 Issue: 1 Pages: 112-125 Published: JAN 2020; **5/7=0,71** 31.4. The Effect of Coloring on the Transmission of Electromagnetic Radiation in Eyeglass Lenses, By: Pietrusiewicz, Pawel, MATERIALE PLASTICE Volume: 55 Issue: 4 Pages: 640-643 Published: DEC 2018; **15/7=2,14** 31.5. THE IMPEDING OF ACIDITHIOBACILLUS THIOOXIDANS MICROBIAL INDUCED CORROSION (MIC) USING BACTERIAL BIOFILMS MEDIATED INTERACTIONS, By: Nik Raikhan, Nik Him; Khairul Izwan, Ahmad Robert, INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE Volume: 9 Issue: 4 Pages: 771-776 Published: OCT-DEC 2018; **5/7=0,71** 31.6. Structural and Magnetic Relaxation of Fe61Co10Y8Mo1B20 Bulk Amorphous Alloy Obtained Using Two Methods, By: Pietrusiewicz, Pawel; Nabialek, Marcin; Jez, Bartlomiej, REVISTA DE CHIMIE Volume: 69 Issue: 8 Pages: 2097-2101 Published: AUG 2018; **15/7=2,14**		

Structura activităţii	Restricţii Prof	Punctaj
31.7. The Investigations of Fe2MnGe Heusler Alloy Using Density Functional Theory, By: Gruszka, Konrad, REVISTA DE CHIMIE Volume: 69 Issue: 6 Pages: 1533-1536 Published: JUN 2018; **15/7=2,14** 31.8.Corrosion and cathodic disbondment resistance of epoxy coating on zinc phosphate conversion coating containing Ni2+ and Co2+ By: Golabadi, M.; Aliofkhazraei, M.; Toorani, M.; et al., JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY Volume: 47 Pages: 154-168 Published: MAR 25 2017; **30/7=4,29** 31.9. THE TESTING OF NATURAL CORROSION INHIBITORS CYSTEINE AND MATURE TOBACCO FOR TREATING MARINE COMPOSITE OBJECTS IN PEG400 SOLUTIONS, Zacharopoulou, Angeliki; Batis, Georgios; Argyropoulou, Vasiliki; et al., INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE Volume: 7 Special Issue: 1 Pages: 259-264 Published: APR 2016. **5/7=0,71** 31.10. Preliminary results on hydroxyapatite growth on advanced Ti-base alloy using electrophoretic deposition process, Paraschiv, C.; Stirbu, I.; Cimpoesu, R.; et al., OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONSVolume: 10, Issue: 1-2, Pages: 87-90, Published: JAN-FEB 2016; **5/7=0,71** 31.11. Influence of the Nb, V and Mo Elements on the Ecological Micro-alloyed Steel Properties, Rusanescu, Carmen Otilia; Jinescu, Cosmin; Paraschiv, Gigel; et al., REVISTA DE CHIMIE, Volume: 66, Issue: 5, Pages: 754-757, Published: MAY 2015; **15/7=2,14** 31.12. The effects of addition of poly(vinyl) alcohol (PVA) as a green corrosion inhibitor to the phosphate conversion coating on the anticorrosion and adhesion properties of the epoxy coating on the steel substrate, Ramezanzadeh, B.; Vakili, H.; Amini, R., APPLIED SURFACE SCIENCE, Volume: 327, Pages: 174-181, Published: FEB 1 2015.**30/7=4,29** 31.13. Studying corrosion performance, microstructure and adhesion properties of a room temperature zinc phosphate conversion coating containing Mn2+ on mild steel, Rezaee, N.; Attar, M. M.; Ramezanzadeh, B., SURFACE & COATINGS TECHNOLOGY, Volume: 236, Pages: 361-367, Published: DEC 15 2013. **20/7=2,86** **32. Dana, D; Sandu, IG; Vizureanu, P; Sandu, I, Study on the Corrosion Resistance of Welded-Brazed Joints, REVISTA DE CHIMIE, Volume: 64, Issue: 12, Pages: 1465-1467, Published: DEC 2013**(2,50) 32.1. THE IMPEDING OF ACIDITHIOBACILLUS THIOOXIDANS MICROBIAL INDUCED CORROSION (MIC) USING BACTERIAL BIOFILMS MEDIATED INTERACTIONS, By: Nik Raikhan, Nik Him; Khairul Izwan, Ahmad Robert, INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE Volume: 9 Issue: 4 Pages: 771-776 Published: OCT-DEC 2018**;** . **5/4=1,25** 32.2. EVALUATION OF NEW COATINGS FOR THE PROTECTION OF ORNAMENTAL CAST IRONWORK EXPOSED IN UNCONTROLLED ENVIRONMENT, Rifai, Mai Mohamed; Abdel Hamid, Zeinab; Saleh, Saleh Mohamed; et al., INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE, Volume: 6, Issue: 4, Pages: 611-624, Published: OCT-DEC 2015. **5/4=1,25** **33.Yahya, Z; Abdullah, MMA; Hussin, K; Ismail, KN; Sandu, AV; Vizureanu, P; Abd Razak, R, Chemical and Physical Characterization of Boiler Ash from Palm Oil Industry Waste for Geopolymer Composite, REVISTA DE CHIMIE Volume: 64 Issue: 12 Pages: 1408-1412 Published: DEC 2013.** (27,15) 33.1. Geopolymer Cement in Pavement Applications: Bridging Sustainability and Performance, Ikotun, JO; Aderinto, GE; (...); Katte, VY Jul 2024, SUSTAINABILITY 16 (13) **20/7=2,86** 33.2. Development of bentonite-based organo-geopolymer hybrid wood binder, Gonultas, O, Aug 2024, EUROPEAN JOURNAL OF WOOD AND WOOD PRODUCTS 82 (4) , pp.983-996 **20/7=2,86**		

Structura activităţii	Restricţii Prof	Punctaj
33.3. MIX DESIGN OF ACID RESISTANT ALKALI ACTIVATED MATERIALS FOR RECONSTRUCTION OF THE BUILDING CONSTRUCTIONS DAMAGED BY THE WAR, Kovalchuk, O; Zozulynets, V; (...); Grabovchak, V, Feb 2024, INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE 15 , pp.43-52 **5/7=0,71** 33.4. Evaluation of the Potential of Boiler Ash from Palm Oil Mill as an Alternative Material for the Improvement of Acid Coal Main Drainage, Ermadani; Sarman, S; (...); Suryanto, 2024, PAKISTAN JOURNAL OF ANALYTICAL & ENVIRONMENTAL CHEMISTRY 25 (1) , pp.90-98 **5/7=0,71** 33.5. Sulfate and chloride resistance of bottom ash doped slag-based geopolymer composites, Aygörmez, Y, Apr 2023, SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI 41 (2) , pp.288-301 **10/7=1,43** 33.6. Progress in fabrication and manufacturing of sodium aluminosilicate materials (geopolymers) as protective coating materials: A review Author(s): Tomar, AS (Tomar, Akshay Singh); Gupta, R (Gupta, Rainy); Bijanu, A (Bijanu, Abhijit); Arya, R (Arya, Rahul); Mishra, D (Mishra, Deepti); Singh, A (Singh, Archana); Salammal, ST (Salammal, Shabi Thankaraj), Source: JOURNAL OF POLYMER RESEARCH Volume: 29 Issue: 6 Article Number: 239 DOI: 10.1007/s10965-022-03078-3 Published: JUN 2022, Accession Number: WOS:000801130400004 **20/7=2,86** 33.7. Novel Adsorbent Based on Banana Peel Waste for Removal of Heavy Metal Ions from Synthetic Solutions, Author(s): Negroiu, M (Negroiu, Mihai); Turcanu, AA (Turcanu, Anca Andreea); Matei, E (Matei, Ecaterina); Rapa, M (Rapa, Maria); Covaliu, CI (Covaliu, Cristina Ileana); Predescu, AM (Predescu, Andra Mihaela); Pantilimon, CM (Pantilimon, Cristian Mircea); Coman, G (Coman, George); Predescu, C (Predescu, Cristian), Source: MATERIALS Volume: 14 Issue: 14 Article Number: 3946 Published: JUL 2021 **20/7=2,86** 33.8 Fabrication of Ceramic Moulds Using Recycled Shell Powder and Sand with Geopolymer Technology in Investment Casting By: Lee, Wei-Hao; Wu, Yi-Fong; Ding, Yung-Chin; et al., APPLIED SCIENCES-BASEL Volume: 10 Issue: 13 Article Number: 4577 Published: JUL 2020; **20/7=2,86** 33.9. Ecological and Economic Savings of Fly Ash Using as Geopolymer, By: Culkova, Katarina; Khouri, Samer; Straka, Martin; et al. ROCZNIK OCHRONA SRODOWISKA Volume: 20 Pages: 73-88 Part: 1 Published: 2018; **10/7=1,43** 33.10. Solid Waste Management on Romanian Households, By: Ungureanu, George; Ignat, Gabriela; Leonte, Elena; et al., REVISTA DE CHIMIE Volume: 68 Issue: 12 Pages: 2941-2947 Published: DEC 2017; **15/7=2,14** 33.11. Understanding the effect of curing age on the chloride resistance of fly ash blended concrete by rapid chloride migration test By: Liu, Jun; Wang, Xiaodong; Qiu, Qiwen; et al. MATERIALS CHEMISTRY AND PHYSICS Volume: 196 Pages: 315-323 Published: AUG 1 2017 **; 20/7=2,86** 33.12. Food Waste Processing Relationships with Environment Protection, Costuleanu, Carmen Luiza; Vintu, Catalin Razvan; Robu, Dragos Alexandru; et al., REVISTA DE CHIMIE, Volume: 66, Issue: 5 , Pages: 743-745, Published: MAY 2015; **15/7=2,14** 33.13. The study on the activity of fly ash in Ca(OH)(2) solution, Qi, T. Y.; Feng, G. R.; Zhang, Y. J.; et al., MATERIALS RESEARCH INNOVATIONS, Volume: 19, Supplement: 1, Pages: S454-S458, Published: APR 2015.**10/7=1,43** **34. Cimpoesu, N ; Stanciu, S ; Vizureanu, P ; Cimpoesu, R; Achitei, DC ; Ionita, I, OBTAINING SHAPE MEMORY ALLOY THIN LAYER USING PLD TECHNIQUE, JOURNAL OF MINING AND METALLURGY SECTION B-METALLURGY, Volume: 50, Issue: 1, Pages: 69-76, DOI: 10.2298/JMMB121206010C, Published: 2014 (20,82)** 34.1. A State-of-the-Art Self-Cleaning System Using Thermomechanical Effect in Shape Memory Alloy for Smart Photovoltaic Applications Author(s): Hariri, NG (Hariri, Nasir Ghazi); Almadani, IK (Almadani, Ibrahim Khalil); Osman, IS (Osman, Ibrahim Sufian) Source: MATERIALS Volume: 15 Issue: 16 Article Number: 5704 DOI: 10.3390/ma15165704 Published: AUG 2022 **20/6= 3,33**		

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34.2. Galvanic Corrosion of Ductile Cast Iron Coupled with Different Alloys in Synthetic Domestic Waste Water, By: Savin, Cristian; Nejneru, Carmen; Perju, Manuela Cristina; et al., REVISTA DE CHIMIE Volume: 70 Issue: 2 Pages: 506-511 Published: FEB 2019; **15/6=2,50** 34.3. The Influence of the Temperature Regime on the Mechanical Properties of the Thick Steel Sheets from Carbon and Low alloy Steels, Laminated to Thicknesses More than 40 mm, By: Bordei, Marian; Sandu, Andrei Victor; Papadatu, Carmen Penelopi; et al., REVISTA DE CHIMIE Volume: 69 Issue: 3 Pages: 632-635 Published: MAR 2018**15/6=2,50** 34.4.Microstructure and Structural Defects of Bulk Amorphous Fe64Co10Y6B20 Alloy, By: Bloch, Katarzyna, REVISTA DE CHIMIE Volume: 68 Issue: 10 Pages: 2413-2415 Published: OCT 2017; **15/6=2,50** 34.5. Thermodynamics and characterization of shape memory Cu-Al-Zn alloys, Gomidzelovic, Lidija; Pozega, Emina; Kostov, Ana; et al., TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA, Volume: 25, Issue: 8, Pages: 2630-2636, Published: AUG 2015. **20/6= 3,33** 34.6. Experimental investigation and characterization of selected as-cast alloys in vertical Cu0.5Ag0.5-Al section in ternary Cu-Al-Ag system, Simsic, Zdenka Stanojevic; Manasijevic, Dragan; Zivkovic, Dragana; et al., JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, Volume: 120, Issue: 1, Pages: 149-155, Published: APR 2015.**20/6= 3,33** 34.7. Thermal analysis and microstructural investigation of Cu-rich alloys in the Cu-Al-Ag system, Simsic, Zdenka Stanojevic; Zivkovic, Dragana; Manasijevic, Dragan; et al., JOURNAL OF ALLOYS AND COMPOUNDS, Volume: 612, Pages: 486-492, Published: NOV 5 2014. **20/6= 3,33** **35. Achitei, DC; Sandu, AV; Abdullah, MMA Vizureanu, P ; Abdullah, A, On The Structure of Shape Memory Alloys, Edited by:Abdullah, MMA; Jamaludin, L; Abdullah, A; AbdRazak, R; Hussin, K, ADVANCED MATERIALS ENGINEERING AND TECHNOLOGY II, Book Series: Key Engineering Materials, Volume: 594-595, Pages: 140-145, DOI: 10.4028/www.scientific net/KEM.594-595.140, Published: 2014 (4,00)** 35.1. Experimental investigation and characterization of selected as-cast alloys in vertical Cu0.5Ag0.5-Al section in ternary Cu-Al-Ag system By: Simsic, Zdenka Stanojevic; Manasijevic, Dragan; Zivkovic, Dragana; et al., JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY Volume: 120 Issue: 1 Pages: 149-155 Published: APR 2015, **20/5= 4,00** **36. Tugui, CA ; Axinte, M; Nejneru, C; Vizureanu, P ; Perju, MC; Chicet, D, Active Screen Plasma Nitriding Efficiency and Ecology, Edited by:Slatineanu, L; Merticaru, V; Nagit, G; Coteata, M; Axinte, E; Dusa, P; Ghenghea, L; Negoescu, F; Lupescu, O; Tita, I; Dodun, O; Musca, G, ENGINEERING SOLUTIONS AND TECHNOLOGIES IN MANUFACTURING, Book Series: Applied Mechanics and Materials, Volume: 657,Pages: 369. (2,50)** 36.1. Study on the Influence of the Treatment in Magnetic Field on the Nitrided Layer in Plasma, By: Papadatu, Carmen Penelopi; Sandu, Andrei Victor; Bordei, Marian; et al., REVISTA DE CHIMIE Volume: 68 Issue: 4 Pages: 675-679 Published: APR 2017; **15/6=2,50** **37. Achitei, DC, Abdullah, MMA, Sandu, AV, Vizureanu, P , On The Fatigue of Shape Memory Alloys, ADVANCED MATERIALS ENGINEERING AND TECHNOLOGY II, Book Series: Key Engineering Materials, Volume: 594-595, Pages: 133-139, 2014 (11,25)** 37.1. Damping Behavior in a Wide Temperature Range of FeMn-Like High Entropy Shape Memory Alloys Author(s): Peltier, L (Peltier, L.); Lohmuller, P (Lohmuller, P.); Meraghni, F (Meraghni, F.); Patoor, E (Patoor, E.); Laheurte, P (Laheurte, P.); Berveiller, S (Berveiller, S.), Source: SHAPE MEMORY AND SUPERELASTICITY Volume: 8 Issue: 4 Pages: 335-348 DOI: 10.1007/s40830-022-00381-2 Early Access Date: AUG 2022 Published: DEC 2022 **5/4=1,25**		

Structura activităţii	Restricţii Prof	Punctaj
37.2. Design and experiment of a SMA-based continuous-stiffness-adjustment torsional elastic component for variable stiffness actuators Author(s): Xiong, J (Xiong, Jie); Sun, YX (Sun, Yuanxi); Zheng, J (Zheng, Jia); Dong, DABA (Dong, Dianbiao); Bai, L (Bai, Long) Source: SMART MATERIALS AND STRUCTURES Volume: 30 Issue: 10 Article Number: 105021 DOI: 10.1088/1361-665X/ac1eae Published: OCT 2021 **20/4=5,00** 37.3. Thermal analysis and microstructural investigation of Cu-rich alloys in the Cu-Al-Ag system, By: Simsic, Zdenka Stanojevic; Zivkovic, Dragana; Manasijevic, Dragan; et al., JOURNAL OF ALLOYS AND COMPOUNDS Volume: 612 Pages: 486-492 Published: NOV 5 2014, **20/4=5,00** **38. Nejneru, C; Vizureanu, P; Sandu, AV ; Grecu, A;Cimpoesu, N ,Thermal Fatigue of Some Synthetic Hardening Environments with CMC, REVISTA DE CHIMIE, Volume: 65, Issue: 2, Pages: 194-198, Published: FEB 2014 (19,00)** 38.1. Examining the interfacial behavior of non-Newtonian gas-liquid two-phase flow in horizontal square microchannels, Kusumaningsih, H; Indarto; (...); Deendarlianto, Apr 2024, FLOW MEASUREMENT AND INSTRUMENTATION 96 **20/5=4,00** 38.2. Characterization of Carboxymethyl Cellulose (CMC) Synthesized from Microcellulose of Cassava Peel, By: Yuwono, Suripto D.; Wahyuningsih, Endah; Noviany; et al., MATERIALE PLASTICE Volume: 57 Issue: 4 Pages: 225-235 Published: DEC 2020; **15/5=3,00** 38.3. The Influence of Parameters of Heat Treatment on Thickens and Roughness of Oxide Layers on Titanium Alloy Ti6A14V, By: Szota, Michal; Lukaszewicz, Adrian; Kosinski, Konrad, REVISTA DE CHIMIE Volume: 69 Issue: 10 Pages: 2850-2853 Published: OCT 2018; **15/5=3,00** 38.4. The Influence of Heat Treatment on the Shape of Fe-57 Hyperfine Field Induction Distribution in Massive Amorphous Fe-61 Co-10 Y-8 X-1 B-20 (where X = Mo, W), By: Nabialek, Marcin, REVISTA DE CHIMIE Volume: 69 Issue: 4 Pages: 802-805 Published: APR 2018; **15/5=3,00** 38.5. Structural Analysis of Fragments of the Broken Coat of a Cylinder which Led to the Dismantling of a Combustion Engine, By: Potecasu, Florentina; Bordei, Marian; Sandu, Ion, MATERIALE PLASTICE Volume: 54 Issue: 4 Pages: 715-719 Published: DEC 2017; **15/5=3,00** 38.6. Experimental Analysis of Resistance to Electrocorosion of a High Chromium Cast Iron with Applications in the Vehicle Industry, By: Florea, Costel Dorel; Carcea, Ioan; Cimpoesu, Ramona; et al., REVISTA DE CHIMIE Volume: 68 Issue: 10 Pages: 2397-2401 Published: OCT 2017 **15/5=3,00** **39. Minciuna, MG; Vizureanu, P; Achitei, DC ; Ghiban, N; Sandu, AV; Forna, NC, Structural Characterization of Some CoCrMo Alloys with Medical Applications, REVISTA DE CHIMIE, Volume: 65, Issue: 3, Pages: 335-338, Published: MAR 2014. (50,79)** 39.1. Physico-mechanical, microstructure, and chemical properties of Si/Ti/Nb additions to CoCrMoW medium entropy alloys, Mohamed, LZ; Elsayed, AH; (...); Abolkassem, SA, May-jun 2023 **30/6=5,00** 39.2. JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T 24 , pp.9897-9914 Scratch and Wear Behaviour of Co-Cr-Mo Alloy in Ringer's Lactate Solution, Silva, R; Santos, MDD; (...); Viana, F, Apr 2023 MATERIALS 16 (7) **20/6=3,33**		

Structura activităţii	Restricţii Prof	Punctaj
39.3. Armencia, AO (Armencia, Adina Oana); Antohe, M (Antohe, Magda); Saveanu, CI (Saveanu, Catalina Iulia); Budala, D (Budala, Dana); Balcos, C (Balcos, Carina); Prelipceanu, OS (Prelipceanu, Otilia-Sanda); Prelipceanu, M (Prelipceanu, Marius); Vicoveanu, DI (Vicoveanu, Dragos Ionut), Source: MEDICINA-LITHUANIA Volume: 58 Issue: 11 Article Number: 1524 DOI: 10.3390/medicina58111524 Published: NOV 2022 **20/6=3,33** 39.4. FLEXIBLE REMOVABLE PROSTHESES, A VIABLE ALTERNATIVE TO PARTIAL EDENTULOUSNESS REHABILITATION? Author(s): Gradinaru, I (Gradinaru, Irina); Hurjui, LL (Hurjui, Loredana Liliana); Ciocan-Pendefunda, A (Ciocan-Pendefunda, Arina); Tarniceriu, CC (Tarniceriu, Claudia Cristina); Antohe, ME (Antohe, Magda-Ecaterina), Source: ROMANIAN JOURNAL OF ORAL REHABILITATION Volume: 14 Issue: 1 Pages: 185-194 Published: JAN-MAR 2022 **5/6 = 0,83** 39.5. CLINICAL-TECHNOLOGICAL INTERACTIONS OF TREATMENT IN PARTIALLY EXTENDED EDENTULOUSNESS Author(s): Antohe, ME (Antohe, Magda-Ecaterina); Stamatin, O (Stamatin, Ovidiu); Paval, D (Paval, Daniel); Tibeica, A (Tibeica, Andreea); Cretu, C (Cretu, Cosmin); Forna, NC (Forna, Norina Consuela), Source: ROMANIAN JOURNAL OF ORAL REHABILITATION Volume: 14 Issue: 1 Pages: 195-204 Published: JAN-MAR 2022 **5/6 = 0,83** 39.6. SHAPE AND SIZE OF APICAL PREPARATION - A PIVOTAL OBJECTIVE OF ROOT CANAL TREATMENT IN ORAL REHABILITATION **5/6 = 0,83** Author(s): Iliescu, AA (Iliescu, Alexandru Andrei); Iliescu, MG (Iliescu, Mihaela Georgiana); Marinescu, IR (Marinescu, Iulia Roxana); Batir, DM (Batir, Denisa Marin); Tiutiuca, C (Tiutiuca, Carmen); Grigore, I (Grigore, Ionuta); Mihaela, I (Mihaela, Iamandii); Schipor, O (Schipor, Ovidiu); Topor, G (Topor, Gabi); Calin, AM (Calin, Alina Mihaela), Source: ROMANIAN JOURNAL OF ORAL REHABILITATION Volume: 14 Issue: 1 Pages: 205-215 Published: JAN-MAR 2022 **5/6 = 0,83** 39.7. SOME BENEFITS OF CHLORHEXIDINE FORMULATIONS, Author(s): Elisei, AM (Elisei, Alina Mihaela); Palivan, CCM (Palivan, Corina Cecilia Manole); Topor, G (Topor, Gabi); Marinescu, E (Marinescu, Elisabeta); Zaharescu, A (Zaharescu, Anamaria); Buzia, DO (Buzia, Dumitriu Olimpia); Earar, K (Earar, Kamel); Schipor, O (Schipor, Ovidiu), Source: ROMANIAN JOURNAL OF ORAL REHABILITATION Volume: 13 Issue: 1 Pages: 272-279 Published: JAN-MAR 2021 **5/6 = 0,83** 39.8. SOME BENEFITS OF CHLORHEXIDINE FORMULATIONS Author(s): Elisei, AM (Elisei, Alina Mihaela); Palivan, CCM (Palivan, Corina Cecilia Manole); Topor, G (Topor, Gabi); Marinescu, E (Marinescu, Elisabeta); Zaharescu, A (Zaharescu, Anamaria); Buzia, DO (Buzia, Dumitriu Olimpia); Earar, K (Earar, Kamel); Schipor, O (Schipor, Ovidiu), Source: ROMANIAN JOURNAL OF ORAL REHABILITATION Volume: 13 Issue: 1 Pages: 272-279 Published: JAN-MAR 2021 **5/6 = 0,83** 39.9. Influence of the Tungsten Content on the Elastic Modulus of New Ti-15Mo-W Alloys Intended for Medical Applications By: Buzatu, Mihai; Geanta, Victor; Stefanoiu, Radu; et al., JOM Volume: 71 Issue: 7 Pages: 2272-2279 Published: JUL 2019; **20/6=3,33** 39.10. The Field Limit Between Neurophysiology and Psychopathology Oro-Facial Apraxia, By: Raftu, Gheorghe; Nechita, Aurel; Budacu, Cristian Constantin; et al., REVISTA DE CHIMIE Volume: 69 Issue: 11 Pages: 4175-4179 Published: NOV 2018, **15/6=2,50** 39.11. Interrelations Between Odonto-Parodontal Affects of the First Permanent Molar and their Odontogenetic and Morfostructural Peculiarities, By: Anistoroaie, Daniela; Matei, Madalina Nicoleta; Pacurar, Mariana; et al., REVISTA DE CHIMIE Volume: 69 Issue: 11 Pages: 4210-4214 Published: NOV 2018; **15/6=2,50** 39.12. ASPECTS OF POST-OPERATING DISEASE IN THE AREA OF ORAL SURGERY AND ORO-MAXILO-FACIAL-PREDICTION FACTORS, By: Mihai, Constantin; Forna, Doriana Agop; Kamel, Earar; et al., ROMANIAN JOURNAL OF ORAL REHABILITATION Volume: 10 Issue: 3 Pages: 89-97 Published: JUL-SEP 2018**; 5/6=0,83**		

Structura activităţii	Restricţii Prof	Punctaj
39.13. THE IMPLICATIONS OF THE MAIN FAVOURABLE FACTORS IN THE APPEARANCE OF VARIOUS FORMS OF CANCER AT THE LEVEL OF ORAL CAVITY MUCOSA, By: Budacu, Cristian; Forna, Doriana Agop; Ciurcanu, Oana Elena; et al., ROMANIAN JOURNAL OF ORAL REHABILITATION Volume: 10 Issue: 3 Pages: 133-141 Published: JUL-SEP 2018**; 5/6=0,83** 39.14. ASPECTS IN TREATING REDUCED EDENTULOUS STATUS BY MINIMALLY INVASIVE BRIDGE FOR A YOUNG PATIENT - CASE REPORT, By: Beldiman, Maria-Antonela; Luca, Elena; Vitalariu, Anca-Mihaela; et al., ROMANIAN JOURNAL OF ORAL REHABILITATION Volume: 10 Issue: 3 Pages: 171-175 Published: JUL-SEP 2018; **5/6=0,83** 39.15. THE CYTOTOXICITY OF ORTHODONTIC POLYMERIC BIOMATERIALS, By: Sodor, Alina; Zegan, Georgeta; Golovcencu, Loredana; et al., ROMANIAN JOURNAL OF ORAL REHABILITATION Volume: 10 Issue: 3 Pages: 176-182 Published: JUL-SEP 2018; **5/6=0,83** 39.16. Nanoparticles Deposition on Mini-implants for Osseo-integration and Antibacterial Properties Improvement, By: Zegan, Georgeta; Carausu, Elena Mihaela; Golovcencu, Loredana; et al., REVISTA DE CHIMIE Volume: 68 Issue: 12 Pages: 2929-2931 Published: DEC 2017; **15/6=2,50** 39.17. Contributions Regarding the Influence of the Antibacterial Chemical Deposits on the Surface of the Oral Implant of the TilOZr Bio-alloy on Its Behaviour During UseBy: Vasilescu, Vlad Gabriel; Vasilescu, Elisabeta; Semenescu, Augustin; et al., REVISTA DE CHIMIE Volume: 68 Issue: 2 Pages: 238-242 Published: FEB 2017**15/6=2,50** 39.18. Contributions on Setting the Optimal Regime of Antibacterial Deposition on the Surface of the Oral Implant of Ti10Zr Bio-alloy, By: Vasilescu, Vlad Gabriel; Vasilescu, Elisabeta; Dima, Dumitru; et al., REVISTA DE CHIMIE Volume: 68 Issue: 1 Pages: 55-59 Published: JAN 2017; **15/6=2,50** 39.19. In vitro Study Using ATR-FTIR Methode for Analyze the Effects of the Carbamide Peroxide on the Dental Structure, Vasluianu, Roxana; Forna, Doriana Agop; Zaltariov, Mirela; et al., REVISTA DE CHIMIE, Volume: 67, Issue: 12, Pages: 2475-2478, Published: DEC 2016.**15/6=2,50** 39.20. Experimental Research on the Behaviour of the Alloy Ti10Zr in Simulated Oral Environment, Vasilescu, Vlad Gabriel; Patrascu, Ion; Cotrut, Cosmin; et al., REVISTA DE CHIMIE Volume: 67 Issue: 2 Pages: 263-266 Published: FEB 2016.**15/6=2,50** 39.21. Microstructure and Chemical Homogeneity of Cast Dental Crowns Made from CoCrMoW Alloy and Ceramic Mass By: Hancu, Violeta; Comaneanu, Raluca Monica; Coman, Costin; et al., REVISTA DE CHIMIE Volume: 66 Issue: 9 Pages: 1327-1330 Published: SEP 2015.**15/6=2,50** 39.22. Comparative Assessment of Biocompatibility of NiCr and CoCr Alloys Used in Metal-fused-to-ceramic Technology By: Comaneanu, Raluca Monica; Hancu, Violeta; Barbu, Horia Mihail; et al., REVISTA DE CHIMIE, Volume: 66, Issue: 3, Pages: 312-315 Published: MAR 2015.**15/6=2,50** 39.23. Deffects in Dental Alloys Cast Single Tooth Restorations, Porojan, Liliana; Porojan, Sorin; Bortun, Cristina; et al., REVISTA DE CHIMIE, Volume: 66 Issue: 2 Pages: 210-212 Published: FEB 2015**. 15/6=2,50** 39.24. Structural Investigations in CoCrMo(Ti) Welded Dental Alloys, Ghiban, Alexandru; Ghiban, Brandusa; Bortun, Cristina Maria; et al., REVISTA DE CHIMIE Volume: 65 Issue: 11 Pages: 1314-1318 Published: NOV 2014.**15/6=2,50** **40. Stirbu, I; Vizureanu, P ; Cimpoesu, R ; Lungu, M; Bernevig, M ; Popa, RF , Chemical procedures for Ti-alloy based metallic surface modification, OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, Volume: 8, Issue: 3-4, Pages: 242-246, Published: MAR-APR 2014. (0,83)**		

Structura activităţii	Restricţii Prof	Punctaj
40.1. Influence of substrate temperatures on morphologies and optical properties of CdTe solar cell films, Ji, Xin; Wang, Lin Jun; Teng, Jian Yong; et al., OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, Volume: 9, Issue: 9-10, Pages: 1135-1138, Published: SEP-OCT 2015. **5/6=0,83** **41.Perju, MC; Vizureanu, P , Chemical Compounds Analysis Developed on the Micro Alloying Area of Coating Layers Obtained by Impulse Discharge Method, REVISTA DE CHIMIE, Volume: 65, Issue: 6, Pages: 694-696, Published: JUN 2014 (22,50)** 41.1. Effect of WC/C coated rolling element to improve bearing life, Author(s): Jain, A (Jain, Ayush); Vashishtha, N (Vashishtha, Nitesh); Kannan, PR (Kannan, P. Rajesh) Source: SURFACE ENGINEERING DOI: 10.1080/02670844.2023.2191885 Early Access Date: MAR 2023 **20/2=10,00** 42.2. Structure and Properties of FeCoNCuB Nanocrystalline Alloys, Author(s): Jez, K (Jez, K.), Source: ACTA PHYSICA POLONICA A Volume: 139 Issue: 5 Pages: 499-502 DOI: 10.12693/APhysPolA.139.499 Published: MAY 2021 **10/2=5,00** 42.1. Influence of Nanostructuration on the Sound Velocity in Aluminum Al_99.50, By: Cazac, A. M.; Alexandru, A.; Baciu, C.; et al., Conference: EUROINVENT International Conference on Innovative Research (ICIR) Location: Iasi, ROMANIA Date: MAY 17-18, 2018, Sponsor(s): Romanian Inventors Forum; Gheorghe Asachi Tech Univ Iasi, Fac Mat Sci & Engn; Alexandru Ioan Cuza Univ Iasi, ARHEOINVEST Platform; Univ Malaysia Perlis, Ctr Excellence Geopolymer & Green Technol; EUROINVENT, EUROINVENT ICIR 2018 Book Series: IOP Conference Series-Materials Science and Engineering Volume: 374 Article Number: UNSP 012038 Published: 2018; **5/2=2,50** 42.2. Corrosion Resistance of a Cast-Iron Material Coated With a Ceramic Layer Using Thermal Spray Method, By: Florea, C. D.; Bejinariu, C.; Munteanu, C.; et al., Conference: EUROINVENT International Conference on Innovative Research (ICIR) Location: Iasi, ROMANIA Date: MAY 17-18, 2018 , Sponsor(s): Romanian Inventors Forum; Gheorghe Asachi Tech Univ Iasi, Fac Mat Sci & Engn; Alexandru Ioan Cuza Univ Iasi, ARHEOINVEST Platform; Univ Malaysia Perlis, Ctr Excellence Geopolymer & Green Technol; EUROINVENT, EUROINVENT ICIR 2018 Book Series: IOP Conference Series-Materials Science and Engineering Volume: 374 Article Number: UNSP 012028 Published: 2018; **5/2=2,50** 42.3. Electro-Chemical Behavior of Low Carbon Steel Under H2S Influence, By: Zaharia, M. G.; Stanciu, S.; Cimpoesu, R.; et al., Conference: International Conference on Innovative Research (ICIR Euroinvent) Location: Iasi, ROMANIA Date: MAY 25-26, 2017 , Sponsor(s): Romanian Inventors Forum; Gheorghe Asachi Tech Univ Iasi, Fac Mat Sci & Engn; Alexandru Ioan Cuza Univ Iasi, ARHEOINVEST Platform; Univ Malaysia Perlis, Ctr Excellence Geopolymer & Green Technol; Malaysian Res & Innovat Soc; EUROINVENT, INTERNATIONAL CONFERENCE ON INNOVATIVE RESEARCH - ICIR EUROINVENT 2017 Book Series: IOP Conference Series-Materials Science and Engineering Volume: 209 Article Number: 012050 Published: 2017; **5/2=2,50** **42. Minciuna, MG ; Vizureanu, P; Achitei, DC ; Ghiban, B ; Sandu, AV ; Mareci, D ; Balan, A, Electrochemical Behaviour of CoCrMo and CoCrMoSi5 alloys at Different Simulated Physiological Medium, REVISTA DE CHIMIE, Volume: 65, Issue: 10, Pages: 1138-1141, Published: OCT 2014. (29,37)** 1. Physico-mechanical, microstructure, and chemical properties of Si/Ti/Nb additions to CoCrMoW medium entropy alloys, Mohamed, LZ; Elsayed, AH; (...); Abolkassem, SA, May-jun 2023, JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T 24 , pp.9897-9914 **30/7=4,28**		

Structura activităţii	Restricţii Prof	Punctaj
2. Morpho-Structural and Mechanical Characterization of Alloyed Steel, By: Modan, Ecaterina Magdalena; Plaiasu, Adriana Gabriela; Dicu, Maria Magdalena; et al., REVISTA DE CHIMIE Volume: 70 Issue: 11 Pages: 3847-3850 Published: NOV 2019; **15/7=2,14** 3. Effect of Heat Treatment on Magnetic Properties of Bulk Amorphous Alloys Fe63+xCo10Y7-xB20 (x = 0, 2), By: Wyslocki, Jerzy; Talar, Mateusz, REVISTA DE CHIMIE Volume: 70 Issue: 2 Pages: 724-729 Published: FEB 2019; **15/7=2,14** 4. Structure and Magnetic Properties of Amorphous Fe-Zr-Nb-Cu-B-(Y) Ribons, By: Gondro, Joanna, REVISTA DE CHIMIE Volume: 70 Issue: 1 Pages: 233-235 Published: JAN 2019; **15/7=2,14** 5. Band GAP Frequency Response in Regular Phononic Crystals, By: Garus, Sebastian; Szota, Michal, REVISTA DE CHIMIE Volume: 69 Issue: 12 Pages: 3372-3375 Published: DEC 2018; **15/7=2,14** **6.** Solid Waste Management on Romanian Households, By: Ungureanu, George; Ignat, Gabriela; Leonte, Elena; et al., REVISTA DE CHIMIE Volume: 68 Issue: 12 Pages: 2941-2947 Published: DEC 2017; **15/7=2,14** **7.** Self-assembled Nanomaterials Type Layered Double Hydroxides Antibiotics Used as Drug Delivery Vectors, By: Duceac, Letitia Doina; Stafie, Liviu; Banu, Elena Ariela; et al., REVISTA DE CHIMIE Volume: 68 Issue: 11 Pages: 2542-2545 Published: NOV 2017; **15/7=2,14** 8. Contributions on Setting the Optimal Regime of Antibacterial Deposition on the Surface of the Oral Implant of Ti10Zr Bio-alloy, By: Vasilescu, Vlad Gabriel; Vasilescu, Elisabeta; Dima, Dumitru; et al.REVISTA DE CHIMIE Volume: 68 Issue: 1 Pages: 55-59 Published: JAN 2017; **15/7=2,14** 9. Obtaining of High Cr Content Cast Iron Materials, By: Florea, C.; Bejinariu, C.; Carcea, I.; et al., Conference: International Conference on Innovative Research (ICIR Euroinvent) Location: Iasi, ROMANIA Date: MAY 25-26, 2017; **5/6=0,83** 10. Contributions Regarding the Influence of the Antibacterial Chemical Deposits on the Surface of the Oral Implant of the TilOZr Bio-alloy on Its Behaviour During Use, By: Vasilescu, Vlad Gabriel; Vasilescu, Elisabeta; Semenescu, Augustin; et al., REVISTA DE CHIMIE Volume: 68 Issue: 2 Pages: 238-242 Published: FEB 2017; **15/7=2,14** **11.** Measurement and optimization of atmospheric plasma sprayed CoMoCrSi coatings parameters on Ti-6Al-4V substrates affecting microstructural and properties using hybrid abductor induction mechanism, Lin, Chun-Ming; Yen, Shih-Hung; Su, Cherng-Yuh, MEASUREMENT Volume: 94 Pages: 157-167 Published: DEC 2016; **20/7=2,86** 12. Experimental Research on the Behaviour of the Alloy Ti10Zr in Simulated Oral Environment, Vasilescu, Vlad Gabriel; Patrascu, Ion; Cotrut, Cosmin; et al., REVISTA DE CHIMIE Volume: 67 Issue: 2 Pages: 263-266 Published: FEB 2016; **15/7=2,14** **13.** Influence of CeO2 Thickness Layer Deposited on the 945A Steel Substrate Concerning the Corrosion Process, Barca, Eduard Sebastian; Trinca, Lucia Carmen; Filipescu, Mihaela; et al., REVISTA DE CHIMIE Volume: 67 Issue: 1 Pages: 177-181 Published: JAN 2016. **15/7=2,14** **44. Vizureanu, P; Cimpoesu, N; Radu, V ; Agop, M, INVESTIGATIONS ON THERMAL CONDUCTIVITY OF CARBON NANOTUBES REINFORCED COMPOSITES, EXPERIMENTAL HEAT TRANSFER, Volume: 28, Issue: 1, Pages: 37-57, DOI: 10.1080/08916152.2013.803176, Published: 2015. (72,50)** 44.1. A coarse-grained molecular dynamics simulation on the mechanical and thermal properties of natural rubber composites reinforced by fullerene nanoparticles, Li, Q; Zeng, FL; (...); Guo, HY, Feb 2025, JOURNAL OF MOLECULAR MODELING 31 (2) **20/4=5,00** 44.2. TENSILE PROPERTIES AND ELECTRICAL CONDUCTIVITY OF LINEAR LOW-DENSITY POLYETHYLENE (LLDPE)/CARBON BLACK CONDUCTIVE POLYMER COMPOSITES (CPCS) : EFFECT OF COMPOUNDING PARAMETERS, Halim, KAA; Salleh, MAAM; (...); Jez, B, 2024, ARCHIVES OF METALLURGY AND MATERIALS 69 (3) , pp.1159-1164 **10/4=2,50**		

Structura activităţii	Restricţii Prof	Punctaj
44.3. FIBREGLASS REINFORCEMENT INFLUENCE ON THE MECHANICAL BEHAVIOUR OF AN ABS- PMMA- FIBREGLASS COMPOSITE MATERIAL, Platon, MA and Nemes, O, 2024 , ARCHIVES OF METALLURGY AND MATERIALS 69 (4) , pp.1637-1642 **10/4=2,50** 44.4. Carbon nanotubes as exceptional nanofillers in polymer and polymer/fiber nanocomposites: An extensive review, Soni, SK; Thomas, B; (...); Sakharwade, SG, Dec 2023, MATERIALS TODAY COMMUNICATIONS 37 **20/4=5,00** 44.5. Effect of carbonation curing regime on electric heating performance of CNT/cement composites, Jang, D; Yoon, HN; (...); Park, S Aug 15 2023, JOURNAL OF BUILDING ENGINEERING 73 **30/4=7,50** 44.6. Study on properties and durability of alkali activated rice straw fibers cement composites, Author(s): Feng, BW (Feng, Bowen); Liu, JS (Liu, Jiesheng); Lu, ZZ (Lu, Zhenzhen); Zhang, M (Zhang, Man); Tan, XM (Tan, Xiaoming), Source: JOURNAL OF BUILDING ENGINEERING Volume: 63 Article Number: 105515 DOI: 10.1016/j.jobe.2022.105515 Part: A Published: JAN 1 2023 **30/4=7,50** 44.7. Investigation the conductivity of carbon fiber composites focusing on measurement techniques under dynamic and static loads Author(s): Alarifi, IM (Alarifi, Ibrahim M.), Source: JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T Volume: 8 Issue: 5 Pages: 4863-4893 DOI: 10.1016/j.jmrt.2019.08.019 Published: SEP-OCT 2019 **30/4=7,50** 44.8. Characterization of heat flow in silicon nanowire arrays for efficient thermoelectric power harvesting, By: Tahrim, Aqilah Abdul; Ahmad, Anita; Rahim, Ruzairi Abdul; et al. , EXPERIMENTAL HEAT TRANSFER Volume: 31 Issue: 6 Pages: 470-481 Published: 2018 **30/4= 7,50** 44.9.Graphene-reinforced elastomeric nanocomposites: A review, By: Mensah, Bismark; Gupta, Kailash Chandra; Kim, Hakhyun; et al., POLYMER TESTING Volume: 68 Pages: 160-184 Published: JUL 2018**; 20/4=5,00** 44.10. Carbon nanotube-epoxy composites: The role of acid treatment in thermal and electrical conductivity, By: Metz, R.; Diaz, L.; Aznar, R.; et al.,EXPERIMENTAL HEAT TRANSFER Volume: 30 Issue: 1 Pages: 66-76 Published: 2017; **20/4=5,00** 44.11. A study on Brinkman number variation on water based nanofluid heat transfer in partially heated tubes, Minea, Alina Adriana, MECHANICS RESEARCH COMMUNICATIONS Volume: 73 Pages: 7-11 Published: APR 2016. **20/4=5,00** 44.12. Comparative study of turbulent heat transfer of nanofluids, Minea, Alina Adriana, JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY Volume: 124 Issue: 1 Pages: 407-416 Published: APR 2016.**20/4=5,00** 44.13. Comparison between Experimental and Theoretical Thermal Conductivity of Nanofluids Containing Multi-walled Carbon Nanotubes Decorated with TiO2 Nanoparticles, Abbasi, S.; Zebarjad, S. M.; Baghban, S. H. N.; et al., EXPERIMENTAL HEAT TRANSFER Volume: 29 Issue: 6 Pages: 781-795 Published: 2016. **20/4=5,00** 44.14. Optimal design of process parameters, experimental fabrication and characterisation of a novel hybrid polymer nanocomposite, Huang, Shyh-Chour; Minh-Tai Le, INTERNATIONAL JOURNAL OF MATERIALS &PRODUCT TECHNOLOGY, Volume: 52 Issue: 3-4 Special Issue: SI Pages: 362-380 Published: 2016. **10/4=2,50** **45. Minciuna, Mirabela Georgiana; Vizureanu, Petrica; Geanta, Victoras; et al., Effect of Si on the Microstructure and Mechanical Properties of Biomedical CoCrMo Alloy, REVISTA DE CHIMIE Volume: 66 Issue: 6 Pages: 891-894 Published: JUN 2015 (9,27)** 45.1. Structural, mechanical and tribological performance of a nano structured biomaterial Co-Cr-Mo alloy synthesized via mechanical alloying, Fellah, M; Hezil, N; (...); Weiss, S, Jul-aug 2023 , JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T 25 , pp.2152-2165 **30/7=4,28** 45.2. Scratch and Wear Behaviour of Co-Cr-Mo Alloy in Ringer's Lactate Solution, Silva, R; Santos, MDD; (...); Viana, F Apr 2023, MATERIALS 16 (7) **20/7=2,85**		

Structura activităţii	Restricţii Prof	Punctaj
45.3. Effect of Y on Formation of Hard Magnetic Phases in Fe-Matrix Alloys, Author(s): Jez, B (Jez, B.); Loch, KB (Loch, K. B.); Gondro, J (Gondro, J.); Jez, K (Jez, K.); Talar, M (Talar, M.); Pietrusiewicz, P (Pietrusiewicz, P.); Walters, S (Walters, S.); Kalwik, A (Kalwik, A.); Halin, DSC (Halin, D. S. Che); Sikora, P (Sikora, P.); Nabialek, M (Nabialek, M.), Source: ACTA PHYSICA POLONICA A Volume: 139 Issue: 5 Pages: 495-498 DOI: 10.12693/APhysPolA.139.495 Published: MAY 2021 **10/7=1,43** 45.4. Topical Notions About in Vivo Analysis for Degradable Biomaterials with Utility in Human Body, Istrate, B.; Vololeniuc, T.; Munteanu, C.; et al., Conference: EUROINVENT International Conference on Innovative Research (ICIR) Location: Iasi, ROMANIA Date: MAY 17-18, 2018; **5/7= 0,71** **46. Achitei, DC ; Vizureanu, P ; Minciuna, MG ; Sandu, AV ; Buzaianu, A ; Dana, DI , Obtaining of New Flux Coated Electrodes used for Weldingbrazing Operations, MATERIALE PLASTICE, Volume: 52, Issue: 2, Pages: 165-167, Published: JUN 2015.** **(14,16)** 46.1 Structure and Properties of FeCoNCuB Nanocrystalline Alloys, Author(s): Jez, K (Jez, K.), Source: ACTA PHYSICA POLONICA A Volume: 139 Issue: 5 Pages: 499-502 DOI: 10.12693/APhysPolA.139.499 Published: MAY 2021 **10/6=1,66** 46.2. Effect of Heat Treatment on Magnetic Properties of Bulk Amorphous Alloys Fe63+xCo10Y7-xB20 (x = 0, 2), Author(s): Wyslocki, J (Wyslocki, Jerzy); Talar, M (Talar, Mateusz), Source: REVISTA DE CHIMIE Volume: 70 Issue: 2 Pages: 724-729 Published: FEB 2019 **15/6=2,5** 46.3. The Influence of Heat Treatment on the Phononic Multilayer Sensor, By: Garus, Sebastian, REVISTA DE CHIMIE Volume: 70 Issue: 10 Pages: 3671-3673 Published: OCT 2019, **15/6=2,5** 46.4. Structural and Magnetic Relaxation of Fe61Co10Y8Mo1B20 Bulk Amorphous Alloy Obtained Using Two MethodsBy: Pietrusiewicz, Pawel; Nabialek, Marcin; Jez, Bartlomiej, REVISTA DE CHIMIE Volume: 69 Issue: 8 Pages: 2097-2101 Published: AUG 2018 **15/6=2,5** 46.5. Aluminum Coating Influence on Nitride Layer Performance Deposited by MO-CVD in Fluidized Bed on Austenitic Stainless Steel Substrate, Galusca, D. G.; Perju, M. C.; Nejneru, C.; et al., Conference: EUROINVENT International Conference on Innovative Research (ICIR) Location: Iasi, ROMANIA Date: MAY 17-18, 2018: **15/6=2,50** 46.6. Experimental Analysis of Resistance to Electrocorosion of a High Chromium Cast Iron with Applications in the Vehicle Industry, Florea, Costel Dorel; Carcea, Ioan; Cimpoesu, Ramona; et al., REVISTA DE CHIMIE Volume: 68 Issue: 10 Pages: 2397-2401 Published: OCT 2017 ; **15/6=2,50** **47.Stirbu, I ; Vizureanu, P ; Cimpoesu, R ; Dascalu, G ; Gurlui, SO; Bernevig, M ; Benchea, M; Cimpoesu, N ; Postolachee, P, Advanced metallic materials response at laser excitation for medical applications, JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, Volume: 17, Issue: 7-8, Pages: 1179-1185, Published: JUL-AUG 2015.** **(6,68)** 47.1. Spectral Properties of HEMA/poly(HEMA) as Ligand in Luminescent Europium Based Complexes Through Computational Investigation, By: Bacaita, Elena Simona; Stan, Corneliu Sergiu; Agop, Maricel; et al., REVISTA DE CHIMIE Volume: 69 Issue: 9 Pages: 2430-2434 Published: SEP 2018; **15/9=1,67** 47.2. Beneficial Effects of Acetaminophen on the Chemical Mediators Involved in the Closure of Patent Ductus Arteriosus, By: Cinteza, Eliza; Ungureanu, Anda; Balgradean, Mihaela; et al., REVISTA DE CHIMIE Volume: 69 Issue: 6 Pages: 1537-1540 Published: JUN 2018; **15/9=1,67** 47.3. Development of a Modified - release Drug Delivery System with Bexarotene Loaded in Clinoptilolite, By: Ochiuz, Lacramioara; Ghiciuc, Cristina; Ignat, Maria; et al., MATERIALE PLASTICE Volume: 54 Issue: 3 Pages: 581-585 Published: SEP 2017**15/9=1,67**		

Structura activităţii	Restricţii Prof	Punctaj
47.4. Anisotropy Influences on the Drug Delivery Mechanisms by Means of Joint Invariant Functions, By: Cioca, G.; Bacaita, E. S.; Agop, M.; et al., COMPUTATIONAL AND MATHEMATICAL METHODS IN MEDICINE Article Number: 5748273 Published: 2017; **15/9=1,67** **48. Tugui, CA ; Nejneru, C ; Galusca, DG ; Perju, MC ; Axinte, M ; Cimpoesu, N; Vizureanu, P, The influence of the Al deposition by MOC-CVD method on stainless steel thermal conductivity depending on the substrate roughness, JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, Volume: 17, Issue: 11-12, Pages: 1855-1861, Published: NOV-DEC 2015 (29,95)** 48.1. Study on the mechanical and microscopic properties of steel fiber reinforced reactive powder concrete under different curing methods Ge, LC; Zhang, YL; (...); Li, HT, Oct 1 2023, JOURNAL OF BUILDING ENGINEERING 76 **30/7=4,28** 48.2. The Influence of Heat Treatment on the Phononic Multilayer Sensor, By: Garus, Sebastian, REVISTA DE CHIMIE Volume: 70 Issue: 10 Pages: 3671-3673 Published: OCT 2019; **15/7= 2,14** 48.3. Structural and Magnetic Properties of the Rapid Cooled Alloys: Fe60Co10Y5+xZr5-xB20 (Where: x=0 or 2), By: Nabialek, Marcin; Jez, Bartlomiej; Jez, Kinga; et al., REVISTA DE CHIMIE Volume: 70 Issue: 1 Pages: 224-227 Published: JAN 2019, **15/7= 2,14** 48.4. Optimization and Numerical Anlysis of Mechanical Properties of Connecting Rod in the Internal Combustion Engine, By: Sliwa, Agata; Gros, Dariusz; Sandu, Andrei Victor; et al., REVISTA DE CHIMIE Volume: 69 Issue: 10 Pages: 2813-2815 Published: OCT 2018: **15/7= 2,14** 48.5. The Investigations of Fe2MnGe Heusler Alloy Using Density Functional Theory, By: Gruszka, Konrad, REVISTA DE CHIMIE Volume: 69 Issue: 6 Pages: 1533-1536 Published: JUN 2018; **15/7= 2,14** 48.6. Structural and Morphological Characteristics of Hybrid Nanomaterials Type Ascorbic Acid-hydrotalcite Used for Stimulating Salivary Secretion, By: Zegan, Georgeta; Golovcencu, Loredana; Cernei, Eduard Radu; et al., REVISTA DE CHIMIE Volume: 69 Issue: 5 Pages: 1244-1246 Published: MAY 2018; **15/7= 2,14** 48.7. The Influence of Heat Treatment on the Shape of Fe-57 Hyperfine Field Induction Distribution in Massive Amorphous Fe-61 Co-10 Y-8 X-1 B-20 (where X = Mo, W), By: Nabialek, Marcin, REVISTA DE CHIMIE Volume: 69 Issue: 4 Pages: 802-805 Published: APR 2018; **15/7= 2,14** 48.8. The Influence of the Temperature Regime on the Mechanical Properties of the Thick Steel Sheets from Carbon and Low alloy Steels, Laminated to Thicknesses More than 40 mm, By: Bordei, Marian; Sandu, Andrei Victor; Papadatu, Carmen Penelopi; et al., REVISTA DE CHIMIE Volume: 69 Issue: 3 Pages: 632-635 Published: MAR 2018; **15/7= 2,14** 48.9. ZnO and TiO2 Nanoparticles Genotoxicity According to their Structural and Morphological Characteristics Used for Medical Purposes By: Glod, Mihai; Damir, Daniela; Nichitus, Simona; et al., REVISTA DE CHIMIE Volume: 69 Issue: 3 Pages: 609-611 Published: MAR 2018; **15/7= 2,14** 48.10. Occurence of Characteristic Peaks in Phononic Multilayer Structures, By: Garus, Sebastian; Szota, Michal, REVISTA DE CHIMIE Volume: 69 Issue: 3 Pages: 735-738 Published: MAR 2018; **15/7= 2,14** 48.11. The Study of Crystallization Dynamics of Amorphous Precursor Fe70Mo5Cr4Nb6B15 Alloy, By: Gruszka, Konrad; Rzacki, Jakub; Nabialek, Marcin, REVISTA DE CHIMIE Volume: 69 Issue: 2 Pages: 318-320 Published: FEB 2018; **15/7= 2,14** 48.12. Analysis of plasma jet depositions on a C45 steel used in crankshaft manufacturing, By: Mahu, G.; Munteanu, C.; Istrate, B.; et al. Conference: 5th International Conference on Powder Metallurgy and Advanced Materials, RoPM&AM 2017 Location: Cluj Napoca, ROMANIA Date: SEP 17-20, 2017 , Sponsor(s): Tech Univ Cluj Napoca Romania; Vienna Univ Tech, POWDER METALLURGY AND ADVANCED MATERIALS Book Series: Materials Research Proceedings Volume: 8 Pages: 61-69 Published: 2018; **5/7=0,71**		

Structura activităţii	Restricţii Prof	Punctaj
48.13. Structural Changes in the Superficial Layers of a Non-conventional Treated Steel Subjected to a Wear Process, By: Papadatu, Carmen Penelopi; Sandu, Andrei Victor; Bordei, Marian; et al., REVISTA DE CHIMIE Volume: 68 Issue: 10 Pages: 2329-2333 Published: OCT 2017; **15/7= 2,14** 48.14. Surface Topographical Modification of Coronary Stent: A Review, By: Tan, C. H.; Muhamad, N.; Abdullah, M. M. A. B., Conference: International Conference on Innovative Research (ICIR Euroinvent) Location: Iasi, ROMANIA Date: MAY 25-26, 2017 , Sponsor(s): Romanian Inventors Forum; Gheorghe Asachi Tech Univ Iasi, Fac Mat Sci & Engn; Alexandru Ioan Cuza Univ Iasi, ARHEOINVEST Platform; Univ Malaysia Perlis, Ctr Excellence Geopolymer & Green Technol; Malaysian Res & Innovat Soc; EUROINVENT, INTERNATIONAL CONFERENCE ON INNOVATIVE RESEARCH - ICIR EUROINVENT 2017 Book Series: IOP Conference Series-Materials Science and Engineering Volume: 209 Article Number: UNSP 012031 Published: 2017; **5/7=0,71** 48.15. Behavior of Al-Mg Alloy Subjected To Thermal Processing, By: Achitei, Dragos Cristian; Minciuna, Mirabela Georgiana; Sandu, Andrei Victor; et al., Conference: International Conference on Advanced Materials Engineering and Technology (ICAMET) Location: Kaohsiung, TAIWAN Date: DEC 08-09, 2016 , Sponsor(s): Malaysian Res & Innovat Soc; Univ Malaysia Perlis, Ctr Excellence Geopolymer & Green Technol, ADVANCED MATERIALS ENGINEERING AND TECHNOLOGY V Book Series: AIP Conference Proceedings Volume: 1835 Article Number: UNSP 020051 Published: 2017**; 5/7=0,71** **49. Minciuna, MG; Vizureanu, P; Achitei, DC ; Sandu, AV ;Berbecaru, A ; Sandu, IG, Structural characterization and properties analysis of CoCrMoSi Alloys, JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, Volume: 18, Issue: 1-2, Pages: 174-178, Published: JANFEB 2016**(3,32) 49.1. Some technological particularities on the execution of dental prostheses realized by selective laser deposition, By: Moraru, E.; Dontu, O.; Petre, A.; et al., JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS Volume: 20 Issue: 3-4 Pages: 208-213 Published: MAR-APR 2018; 10/**6=1,66** 49.2. Microstructural analysis and mechanical properties of biodegradable Mg-1.3Ca-5.5Zr alloy, By: Istrate, B.; Munteanu, C.; Matei, M. N.; et al. , Conference: International Conference on Modern Technologies in Industrial Engineering IV (ModTech) Location: Iasi, ROMANIA Date: JUN 15-18, 2016 , Sponsor(s): Lucian Blaga Univ Sibiu, Profess Assoc Modern Mfg Technol; Alecu Russo State Univ Balti; Silesian Univ Technol; Maritime Univ Constanta Romania; Vasile Alecsandri Univ Bacau Romania; Dunarea Jos University Galati Romania; Soc Powder Technol Japan; Cotnari Iasi; Redesign Solut Iasi, MODTECH INTERNATIONAL CONFERENCE - MODERN TECHNOLOGIES IN INDUSTRIAL ENGINEERING IV, PTS 1-7 Book Series: IOP Conference Series-Materials Science and Engineering Volume: 145 Article Number: 072003 Published: 2016; **5/6=0,83** 49.3. Microstructural analysis of biodegradable Mg-0.9Ca-1.2Zr alloy By: Istrate, B.; Munteanu, C.; Geanta, V.; et al. Conference: 7th International Conference on Advanced Concepts in Mechanical Engineering (ACME) Location: Iasi, ROMANIA Date: JUN 09-10, 2016 Sponsor(s): Gheorghe Asachi Tech Univ Iasi, Mech Engn Fac; Romanian Minist Natl Educ & Sci Res; Romanian Acad Tech Sci; Acad Romanian Scientists 7TH INTERNATIONAL CONFERENCE ON ADVANCED CONCEPTS IN MECHANICAL ENGINEERING Book Series: IOP Conference Series-Materials Science and Engineering Volume: 147 Article Number: UNSP 012033 Published: 2016; **5/6=0,83** **50. Achitei D.C., Minciuna M.G., Abdullah M.M.A., Sandu A.V., Szota M., Vizureanu P., Behavior of CuPb12Sn6 Alloys subjected to Heat Treatments, 2ND INTERNATIONAL CONFERENCE ON GREEN DESIGN AND MANUFACTURE 2016 (ICONGDM 2016), Book Series: MATEC Web of Conferences, Vol. 78, Article Number: UNSP 01082, DOI: 10.1051/matecconf/20167801082, Published: 2016** (2,50)		

Structura activităţii	Restricţii Prof	Punctaj
50.1. Remagnetization Core Losses In The Massive Amorphous FeCoYb Alloy, By: Bloch, Katarzyna; Nabialek, Marcin; Gruszka, Konrad, REVISTA DE CHIMIE Volume: 68 Issue: 4 Pages: 698-700 Published: APR 2017; **15/6=2,50** **51. Savin, A., Barsanescu, P.D., Vizureanu, P., Stanciu, M.D., Curtu, I., Iftimie, N., Steigmann, R., Damage detection of carbon reinforced composites using nondestructive evaluation with ultrasound and electromagnetic methods, INTERNATIONAL CONFERENCE ON INNOVATIVE RESEARCH - ICIR EUROINVENT 2016, Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 133, Article Number: 012013, Published: 2016. (27,14)** 51.1. Enhanced model for axisymmetric stability analysis of propagating circular defect-driven coating delamination under combined compressive and diffusion-induced stresses, Nazir, MH; Khan, ZA; (...); Taiwo, OO, Dec 2024, INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE 19 (12) **15/7=2,14** 51.2. Active and passive monitoring of corrosion state of reinforced concrete based on embedded cement-based acoustic emission sensor Guo, R; Zhang, XF; (...); Huang, SF, Jul 15 2024, JOURNAL OF BUILDING ENGINEERING 89 **30/7=4,29** 51.3. Towards understanding of CO2 electroreduction to C2+ products on copper-based catalysts, Liu, TF; Sang, JQ; (...); Wang, GX Oct 2022, BATTERY ENERGY 1 (4) **30/7=4,29** 51.4. Comparison of lithium-ion battery cell technologies applied in the regenerative braking system, Nazir, MH; Rahil, A; (...); Zaidi, SZJ Oct 2022, BATTERY ENERGY 1 (4) **30/7=4,29** 51.5. Failure Detection within Composite Materials in System Engineering Applications, Author(s): Bowkett, M (Bowkett, Mark); Nazir, MH (Nazir, Mian Hammad); Hussain, MM (Hussain, Muhammad Majid); Khan, ZA (Khan, Zulfiqar Ahmad); Akram, R (Akram, Rizwan) Source: APPLIED SCIENCES-BASEL Volume: 12 Issue: 9 Article Number: 4283 DOI: 10.3390/app12094283 Published: MAY 2022 **20/7=2,85** 51.6. Effect of Unit-Cell Size on the Barely Visible Impact Damage in Woven Composites, By: El-Dessouky, Hassan M.; Saleh, Mohamed Nasr; Wang, Ying; et al., APPLIED SCIENCES-BASEL Volume: 11 Issue: 5 Article Number: 2364 Published: MAR 2021; **20/7=2,85** 51.7. Detection of bending direction and amplitude by electrical resistance measurement of axial carbon fibers in braided composite tube By: Cheng, Xiaoying; Zhou, Hongshui; Wu, Zhenyu; et al., TEXTILE RESEARCH JOURNAL Volume: 89 Issue: 12 Pages: 2500-2508 Published: JUN 2019; **15/7=2,14** 51.8. Damage detection by double-sided ultrasonic assessment in low-velocity impacted CFRP plates, By: Sadeghi, M. Z.; Nienheysen, P.; Arslan, S.; et al., COMPOSITE STRUCTURES Volume: 208 Pages: 646-655 Published: JAN 15 2019; **30/7=4,29** **52. Perju M.C., Tugui C.A., Nejneru C., Axinte M., Vizureanu P., ESD morphology deposition with WZr8 electrode on austenitic stainless steel support, INTERNATIONAL CONFERENCE ON INNOVATIVE RESEARCH - ICIR EUROINVENT 2016, Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 133, Article Number: UNSP 012025, DOI: 10.1088/1757-899X/133/1/012025, Published: 2016. (3,00)** 52.1. Assessment of the Structure and Core Losses Pertaining to Magnetic Toroids Made from Powder and Cast in One Production Step, By: Nabialek, Marcin; Fuzer, Jan; Dakova, Luboslava; et al., REVISTA DE CHIMIE Volume: 68 Issue: 5 Pages: 1098-1102 Published: MAY 2017; **15/5=3,00**		

Structura activităţii	Restricţii Prof	Punctaj
53. Achitei D.C., Minciuna M.G., Vizureanu P., Sandu A.V., Cimpoesu R., Istrate B., Study on structure and properties of CuZn40Pb alloy, INTERNATIONAL CONFERENCE ON INNOVATIVE RESEARCH - ICIR EUROINVENT 2016, Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 133, Article Number: UNSP 012015, DOI: 10.1088/1757-899X/133/1/012015, Published: 2016. (9,99) 53.1. Compositional Design and Thermal Processing of a Novel Lead-Free Cu-Zn-Al-Sn Medium Entropy Brass Alloy Chaskis, S; Maritsa, S; (...); Papaefthymiou, S, Jun 2024, METALS 14 (6), **20/6=3,33** 53.2. Electron Backscatter Diffraction (EBSD) Analysis of Machinable Lead-Free Brass Alloys: Connecting Texture with Fracture Author(s): Vazdirvanidis, A (Vazdirvanidis, Athanasios); Rikos, A (Rikos, Andreas); Toulfatzis, AI (Toulfatzis, Anagnostis, I); Pantazopoulos, GA (Pantazopoulos, George A.), Source: METALS Volume: 12 Issue: 4 Article Number: 569 DOI: 10.3390/met12040569 Published: APR 2022 **20/6=3,33** 53.**3.** Machinable Leaded and Eco-Friendly Brass Alloys for High Performance Manufacturing Processes: A Critical Review Author(s): Stavroulakis, P (Stavroulakis, Paul); Toulfatzis, AI (Toulfatzis, Anagnostis I.); Pantazopoulos, GA (Pantazopoulos, George A.); Paipetis, AS (Paipetis, Alkiviadis S.), Source: METALS Volume: 12 Issue: 2 Article Number: 246 DOI: 10.3390/met12020246 Published: FEB 2022 **20/6=3,33**		
54. Nondestructive testing of advanced materials using sensors with metamaterials, Author(s): Rozina, S (Rozina, Steigmann); Andrei, DN (Andrei, Danila Narcis); Nicoleta, I (Nicoleta, Iftimie); Catalin-Andrei, T (Catalin-Andrei, Tugui); Frantisek, N (Frantisek, Novy); Stanislava, F (Stanislava, Fintova); Vizureanu, P (Vizureanu, Petrica); Adriana, S (Adriana, Savin) Edited by: Maropoulos S; Kyratsis P; Kakoulis K; Taousanidis N; Oancea G; Dodun O, Source: 20TH INNOVATIVE MANUFACTURING ENGINEERING AND ENERGY CONFERENCE (IMANEE 2016) Book Series: IOP Conference Series-Materials Science and Engineering Volume: 161 Article Number: 012060 DOI: 10.1088/1757-899X/161/1/012060 Published: 2016 (5,00) 54.1. Mechanical Metamaterials on the Way from Laboratory Scale to Industrial Applications: Challenges for Characterization and Scalability Author(s): Fischer, SCL (Fischer, Sarah C. L.); Hillen, L (Hillen, Leonie); Eberl, C (Eberl, Chris), Source: MATERIALS Volume: 13 Issue: 16 Article Number: 3605 DOI: 10.3390/ma13163605 Published: AUG 2020 **20/8=2,5** 54.2. A Perspective of Non-Fiber-Optical Metamaterial and Piezoelectric Material Sensing in Automated Structural Health Monitoring Author(s): Annamdas, VGM (Annamdas, Venu Gopal Madhav); Soh, CK (Soh, Chee Kiong) Source: SENSORS Volume: 19 Issue: 7 Article Number: 1490 DOI: 10.3390/s19071490 Published: APR 1 2019 **20/8=2,5**		
55. Tugui C.A., Vizureanu P., Iftimie N., Steigmann R, Some aspects over the quality of thin films deposited on special steels used in hydraulic blades, 7TH INTERNATIONAL CONFERENCE ON ADVANCED CONCEPTS IN MECHANICAL ENGINEERING Book Series: IOP Conference Series-Materials Science and Engineering ,Volume: 147, Article Number: UNSP 012040, DOI: 10.1088/1757-899X/147/1/012040, Published: 2016.(8,75) 55.1. Aluminum Coating Influence on Nitride Layer Performance Deposited by MO-CVD in Fluidized Bed on Austenitic Stainless Steel Substrate, By: Galusca, D. G.; Perju, M. C.; Nejneru, C.; et al., Conference: EUROINVENT International Conference on Innovative Research (ICIR) Location: Iasi, ROMANIA Date: MAY 17-18, 2018 , Sponsor(s): Romanian Inventors Forum; Gheorghe Asachi Tech Univ Iasi, Fac Mat Sci & Engn; Alexandru Ioan Cuza Univ Iasi, ARHEOINVEST Platform; Univ Malaysia Perlis, Ctr Excellence Geopolymer & Green		

Structura activităţii	Restricţii Prof	Punctaj
Technol; EUROINVENT, EUROINVENT ICIR 2018 Book Series: IOP Conference Series-Materials Science and Engineering Volume: 374 Article Number: UNSP 012020 Published: 2018; **5/4=1,25** 55.2. Assessment of the Structure and Core Losses Pertaining to Magnetic Toroids Made from Powder and Cast in One Production Step, By: Nabialek, Marcin; Fuzer, Jan; Dakova, Luboslava; et al. , REVISTA DE CHIMIE Volume: 68 Issue: 5 Pages: 1098-1102 Published: MAY 2017; **15/4=3,75** 55.3. The Analysis of an Internal Combustion Engine Breakdown Case Study, By: Agape, I.; Gaiginschi, L.; Ianus, G.; et al., Conference: International Conference on Innovative Research (ICIR Euroinvent) Location: Iasi, ROMANIA Date: MAY 25-26, 2017 , Sponsor(s): Romanian Inventors Forum; Gheorghe Asachi Tech Univ Iasi, Fac Mat Sci & Engn; Alexandru Ioan Cuza Univ Iasi, ARHEOINVEST Platform; Univ Malaysia Perlis, Ctr Excellence Geopolymer & Green Technol; Malaysian Res & Innovat Soc; EUROINVENT, INTERNATIONAL CONFERENCE ON INNOVATIVE RESEARCH - ICIR EUROINVENT 2017 Book Series: IOP Conference Series-Materials Science and Engineering Volume: 209 Article Number: 012077 Published: 2017; **15/4=3,75** **56. Minciuna, MG, Vizureanu, P ; Mares, M; Nastasa, V ; Achitei, DC; Sandu, AV, Biocompatibility Study of CoCrMoSik Original Alloy Variants, REVISTA DE CHIMIE, Volume: 67, Issue: 2, Pages: 362-365, Published: FEB 2016, (1,67)** 56.1. CONTACT STRESS SIMULATION FOR MG-0.5CA-xMN ALLOYS USED FOR MEDICAL APPLICATION Author(s): Nastasa, RO (Nastasa, R. O.); Tufescu, A (Tufescu, A.); Munteanu, C (Munteanu, C.); Istrate, B (Istrate, B.); Przybyl, A (Przybyl, A.); Tanus, G (Tanus, G.), Source: ARCHIVES OF METALLURGY AND MATERIALS Volume: 67 Issue: 2 Pages: 405-408 DOI: 10.24425/amm.2022.137771 Published: 2022 **10/6=1,67** **57. Jaya, H ; Omar, MF; Akil, HM ; Ahmad, ZA ; Zulkepli, NN ; Abdullah, MMA; Sandu, IG; Vizureanu, P, Effect of Surface Modification on Sawdust Reinforced High Density Polyethylene Composites Under a Wide Range of Strain Rates, MATERIALE PLASTICE, Volume: 53, Issue: 1, Pages: 85-90, Published: MAR 2016 (14,38)** 57.1. Experimental study on the properties and shear toughness of strain-hardening cementitious composite of the combined use of polypropylene fiber and clinoptilolite, Zhu, DQ; Mu, DR; (...); Gao, JM, Sep 1 2023, JOURNAL OF BUILDING ENGINEERING 74 **30/8=3,75** 57.2. An Analysis of the Transfer Lengths of Different Types of Prestressed Fiber-Reinforced Polymer Reinforcement Author(s): Jokubaitis, A (Jokubaitis, Aidas); Valivonis, J (Valivonis, Juozas), Source: POLYMERS Volume: 14 Issue: 19 Article Number: 3931 DOI: 10.3390/polym14193931 Published: OCT 2022 **20/8=2,5** 57.3. THE INFLUENCE OF PROCESS PARAMETERS ON THE MECHANICAL BEHAVIOR OF A COMPOSITE MATERIAL MADE FROM MIXED PLASTIC WASTES, Author(s): Platon, MA (Platon, M. A.); Nemes, O (Nemes, O.); Tiuc, AE (Tiuc, A. -e.); Vilau, C (Vilau, C.); Dudescu, CM (Dudescu, C. M.); Paduretu, S (Paduretu, S.), Source: ARCHIVES OF METALLURGY AND MATERIALS Volume: 67 Issue: 4 Pages: 1235-1241 DOI: 10.24425/amm.2022.141047 Published: 2022 **10/8=1,25** 57.4 METHYLENE BLUE REMOVAL FROM RESIDUAL WATER USING FIR WOOD SAWDUST AS ADSORBENT, By: Udrea, Mihaela-Luminita; Paduretu, Carla-Cezarina; Suica-Bunghez, Ioana-Raluca; et al.. JOURNAL OF SCIENCE AND ARTS Issue: 1 Pages: 261-272 Published: 2021: **5/8=0,62** 57.5. Biocomposite foams from poly(lactic acid) and rubber wood sawdust: Mechanical properties, cytotoxicity, and in vitro degradation By: Sungsee, Pasuta; Tanrattanakul, Varaporn, JOURNAL OF APPLIED POLYMER SCIENCE Volume: 136 Issue: 48 Article Number: 48259 Published: DEC 20 2019, Early Access: JUL 2019; **20/8=2,5**		

Structura activităţii	Restricţii Prof	Punctaj
57.6. Flexural Strength of Single Polymer Polyester Composites as a Measure of Material Degradation, By: Gawdzinska, Katarzyna; Nabialek, Marcin; Bryll, Katarzyna; et al., MATERIALE PLASTICE Volume: 54 Issue: 3 Pages: 539-542 Published: SEP 2017, **15/8=1,88** 57.7. The Effect of Degradation in Aqueous Media on Viscosity Average Molecular Weight of Single Polymer Polyester Composites By: Bryll, Katarzyna; Gawdzinska, Katarzyna; Nabialek, Marcin; et al. REVISTA DE CHIMIE Volume: 68 Issue: 9 Pages: 2034-2038 Published: SEP 2017 **15/8=1,88** **58. M.G. Minciună, P Vizureanu, D.C. Achitei, A.V. Sandu, The advanced characteriyation of new alloy by Co-Cr-Mo system, Journal of Optoelectronics and Advanced Materials, Vol. 18, No. 7-8, p. 717-722, 2016 (7,5)** 58.1. Novel Mg-0.5Ca-xMn Biodegradable Alloys Intended for Orthopedic Application: An In Vitro and In Vivo Study Author(s): Munteanu, C (Munteanu, Corneliu); Vlad, DM (Vlad, Daniela Maria); Sindilar, EV (Sindilar, Eusebiu-Viorel); Istrate, B (Istrate, Bogdan); Butnaru, M (Butnaru, Maria); Pasca, SA (Pasca, Sorin Aurelian); Nastasa, RO (Nastasa, Roxana Oana); Mihai, I (Mihai, Iuliana); Burlea, SL (Burlea, Stefan-Lucian), Source: MATERIALS Volume: 14 Issue: 23 Article Number: 7262 DOI: 10.3390/ma14237262 Published: DEC 2021 **20/4=5,0** 58.1. Some technological particularities on the execution of dental prostheses realized by selective laser deposition, By: Moraru, E.; Dontu, O.; Petre, A.; et al., JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS Volume: 20 Issue: 3-4 Pages: 208-213 Published: MAR-APR 2018 **10/4=2,5** **59. Baltatu, MS, Vizureanu, P.,Cimpoesu, R., Abdullah, MMA, Sandu, AV., The Corrosion Behavior of TiMoZrTa Alloys Used for Medical Applications, REVISTA DE CHIMIE, Volume: 67, Issue: 10, Pages: 2100-2102, 2016 (41,00)** 59.1. Influence of the Phase Composition of Titanium Alloys on Cell Adhesion and Surface Colonization, Straumal, BB; Anisimova, NY; (...); Davdian, G, Nov 2023, MATERIALS 16 (22) **20/5=4,00** 59.2. Promoting Osseointegration of New Innocuous Ti-18Zr-13Mo Implant Through Constructing Hierarchically Structured Bioactive Coating, Cai, BY; Yuan, DL; (...); Guo, ZJ, Nov 2023, METALS AND MATERIALS INTERNATIONAL 29 (11) , pp.3402-3417 **20/5=4,00** 59.3. Gyroid-based functionally graded porous titanium scaffolds for dental application: Design, simulation and characterizations, Xu, W; Yu, AH; (...); Lu, X, Dec 2022, MATERIALS & DESIGN 224 **30/5=6,00** 59.4.Oxidation mechanism of a near ?-Ti alloy, Author(s): Chen, W (Chen, Wei); Li, QF (Li, Qifeng); Zhou, LB (Zhou, Libo); Qiu, W (Qiu, Wei); Ren, YJ (Ren, Yanjie); Li, C (Li, Cong); Chen, J (Chen, Jian); Lin, YC (Lin, Yongcheng); Zhou, KC (Zhou, Kechao), Source: MATERIALS & DESIGN Volume: 223 Article Number: 111144 DOI: 10.1016/j.matdes.2022.111144 Published: NOV 2022 **30/5=6,00** 59.5. Gyroid-based functionally graded porous titanium scaffolds for dental application: Design, simulation and characterizations Author(s): Xu, W (Xu, Wei); Yu, AH (Yu, Aihua); Jiang, Y (Jiang, Yu); Li, YG (Li, Yageng); Zhang, C (Zhang, Ce); Singh, HP (Singh, Harsh-preet); Liu, BW (Liu, Bowen); Hou, CJ (Hou, Chenjin); Zhang, Y (Zhang, Yun); Tian, SW (Tian, Shiwei); Zhang, JZ (Zhang, Jiazhen); Lu, X (Lu, Xin), Source: MATERIALS & DESIGN Volume: 224 Article Number: 111300 DOI: 10.1016/j matdes.2022.111300 Early Access Date: OCT 2022 Published: DEC 2022 **30/5=6,00** 59.6. The Influence of Heat Treatment on the Phononic Multilayer Sensor By: Garus, Sebastian, REVISTA DE CHIMIE Volume: 70 Issue: 10 Pages: 3671-3673 Published: OCT 2019, **15/5=3,00** 59.7. Structure and Selected Properties of Intraocular Implants (PMMA, Acrylic), By: Gacek, Marcin; Wyslocki, Jerzy; Gondro, Joanna; et al. MATERIALE PLASTICE Volume: 56 Issue: 3 Pages: 621-624 Published: SEP 2019, **15/5=3,00** 59.8 Structure, Core Losses, Curie Temperature, Defects in the Structure of the Bulk Amorphous Alloy Fe55Co15W2Y8B20		

Structura activităţii	Restricţii Prof	Punctaj
By: Gondro, Joanna, REVISTA DE CHIMIE Volume: 70 Issue: 7 Pages: 2699-2702 Published: JUL 2019: **15/5=3,00** 59.9. Amoxicilin and Clavulanic Acid Intercaled Nanostructures for Dentistry Uses, By: Zegan, Georgeta; Anistoroaei, Daniela; Carausu, Elena Mihaela; et al., MATERIALE PLASTICE Volume: 56 Issue: 2 Pages: 396-398 Published: JUN 2019, **15/5=3,00** 59.10. Corrosion Resistance of Injection-casting Dental Implants, Szota, Michal; Lukaszewicz, Adrian, REVISTA DE CHIMIE Volume: 69 Issue: 8 Pages: 2183-2186 Published: AUG 2018; **15/5=3,00** 59.11. Self-assembled Nanomaterials Type Layered Double Hydroxides Antibiotics Used as Drug Delivery Vectors, Duceac, Letitia Doina; Stafie, Liviu; Banu, Elena Ariela; et al., REVISTA DE CHIMIE Volume: 68 Issue: 11 Pages: 2542-2545 Published: NOV 2017; **15/5=3,00** 59.12. Characterization of Advanced Ceramic Materials Thin Films Deposited on Fe-C Substrate, By: Florea, Costel Dorel; Munteanu, Corneliu; Cimpoesu, Nicanor; et al., REVISTA DE CHIMIE Volume: 68 Issue: 11 Pages: 2582-2587 Published: NOV 2017; **15/5= 3,00** 59.13. Microstructural Investigations on Alloy Mg-2Ca-0.2Mn-0.5Zr-1Y, By: Lupescu, S.; Munteanu, C.; Istrate, B.; et al., Conference: International Conference on Innovative Research (ICIR Euroinvent) Location: Iasi, ROMANIA Date: MAY 25-26, 2017 , Sponsor(s): Romanian Inventors Forum; Gheorghe Asachi Tech Univ Iasi, Fac Mat Sci & Engn; Alexandru Ioan Cuza Univ Iasi, ARHEOINVEST Platform; Univ Malaysia Perlis, Ctr Excellence Geopolymer & Green Technol; Malaysian Res & Innovat Soc; EUROINVENT INTERNATIONAL CONFERENCE ON INNOVATIVE RESEARCH - ICIR EUROINVENT 2017 Book Series: IOP Conference Series-Materials Science and Engineering Volume: 209 Article Number: 012018 Published: 2017; **5/5=1,00** 59.14. Electrochemical Behaviour of TiMoNb Alloys in Hanks Balanced Salt Solution with Addition of Aminoacids Infusion Solution By: Ciurcanu, Oana Elena; Mareci, Daniel; Stefanescu, Ovidiu Mihail; et al., REVISTA DE CHIMIE Volume: 67 Issue: 10 Pages: 2095-2099 Published: OCT 2016; **15/5=3,00** **60. Bălţatu M.S., Vizureanu P., Mareci D., Burtan L.C., Chiruţă C., Trincă L.C , Effect of Ta on the electrochemical behavior of new TiMoZrTa alloys in artificial physiological solution simulating in vitro inflammatory conditions, MATERIALS AND CORROSION-WERKSTOFFE UND KORROSION Volume: 67 Issue: 12 Pages: 1314-1320 Published: DEC 2016(63,32)** 60.1. Influence of trace scandium addition on mechanical properties and biocompatibility of metastable β Ti-39Nb alloy for biomedical applications, Xue, RH; Xu, XN; (...); Zhang, Y, May-jun 2025, JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T 36 , pp.2532-2543 **30/6= 5,00** 60.2. Strengthening of Ta-W alloys by alloying Zr elements: First-principles calculation and experimental perspective, Peng, XL; Tong, YG; (...); Liang, XB, May 5 2024, JOURNAL OF ALLOYS AND COMPOUNDS 983 **30/6= 5,00** 60.3. Microstructure, corrosion resistance, and antibacterial property of HVAF-sprayed Cu55Ti25Zr15Ni5 coating, Wang, YJ; Wu, YP; (...); Zhu, SS, Dec 10 2023, JOURNAL OF ALLOYS AND COMPOUNDS 967 **30/6= 5,00** 60.4. Mineralogical Properties of a Refractory Tantalum-Niobium Slag and the Effect of Roasting on the Leaching of Uranium-Thorium Author(s): Huang, M (Huang, Min); Hu, K (Hu, Ke); Li, X (Li, Xiang); Wang, Y (Wang, Yun); Ouyang, JB (Ouyang, Jinbo); Zhou, LM (Zhou, Limin); Liu, ZR (Liu, Zhirong), Source: TOXICS Volume: 10 Issue: 8 Article Number: 469 DOI: 10.3390/toxics10080469 Published: AUG 2022 **20/6=3,33** 60.5. Strontium-loaded titanium-15molybdenum surface improves physicochemical and biological properties in vitro Author(s): Matos, FG (Matos, Flavia Gomes); Santana, LCL (Leal Santana, Luis Carlos); Cominotte, MA (Cominotte, Mariana Aline); da Silva, FS (da Silva, Fernando Santos); Vaz, LG (Vaz, Luis Geraldo); de Oliveira, DP (de Oliveira, Diego Pedreira); Cirelli, JA (Cirelli, Joni		

Structura activităţii	Restricţii Prof	Punctaj
Augusto), Source: BIOMEDICAL PHYSICS & ENGINEERING EXPRESS Volume: 8 Issue: 4 Article Number: 045007 DOI: 10.1088/2057-1976/ac71cf Published: JUL 1 2022 **5/6=0,83** 60.6. Multifunctional TaCu-nanotubes coated titanium for enhanced bacteriostatic, angiogenic and osteogenic properties By: Wu, Shuyi; Shen, Xinkun; Chen, Mengyu; et al., MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS Volume: 120 Article Number: 111777 Published: JAN 2021, **30/6= 5,00** 60.7, Corrosion behavior of titanium alloys in acidic and saline media: role of alloy design, passivation integrity, and electrolyte modification By: Bodunrin, Michael O.; Chown, Lesley H.; van der Merwe, Josias W.; et al., CORROSION REVIEWS Volume: 38 Issue: 1 Pages: 25-47 Published: FEB 2020; **15/6=2,50** 60.8 Structure, Magnetic Properties and Magnetization Reversal Processes in Nanocrystalline Pr(8)Dy(1)Fe(60)Co(7)Mn(6)B(14)Zr(1)Ti(3)Bulk Alloy, By: Przybyl, Anna; Wnuk, Izabela; Wyslocki, Jerzy J., REVISTA DE CHIMIE Volume: 70 Issue: 11 Pages: 4086-4088 Published: NOV 2019; **15/6=2,50** 60.9. Galvanic Corrosion Behaviour of Phosphate Nodular Cast Iron in Different Types of Residual Waters and Couplings By: Nejneru, Carmen; Perju, Manuela Cristina; Nergis, Dumitru Doru Burduhos; et al., REVISTA DE CHIMIE Volume: 70 Issue: 10 Pages: 3597-3602 Published: OCT 2019; **15/6=2,50** 60.10. Structure, Core Losses, Curie Temperature, Defects in the Structure of the Bulk Amorphous Alloy Fe55Co15W2Y8B20 By: Gondro, Joanna, REVISTA DE CHIMIE Volume: 70 Issue: 7 Pages: 2699-2702 Published: JUL 2019; **15/6=2,50** 60.11. Galvanic Corrosion of Ductile Cast Iron Coupled with Different Alloys in Synthetic Domestic Waste WaterBy: Savin, Cristian; Nejneru, Carmen; Perju, Manuela Cristina; et al., REVISTA DE CHIMIE Volume: 70 Issue: 2 Pages: 506-511 Published: FEB 2019; **15/6=2,50** 60.12. Corrosion Resistance of Injection-casting Dental Implants, Szota, Michal; Lukaszewicz, Adrian, REVISTA DE CHIMIE Volume: 69 Issue: 8 Pages: 2183-2186 Published: AUG 2018,**15/6=2,50** 60.13. Corrosion behaviour of Ti-Al-xV-yFe experimental alloys in 3.5wt% NaCl and 3.5M H2SO4, By: Bodunrin, Michael O.; Chown, Lesley H.; van der Merwe, Josias W.; et al., MATERIALS AND CORROSION-WERKSTOFFE UND KORROSION Volume: 69 Issue: 6 Pages: 770-780 Published: JUN 2018; **15/6=2,50** 60.14. A state-of-the-art review on passivation and biofouling of Ti and its alloys in marine environments, Yan, Shaokun; Song, Guang-Ling; Li, Zhengxian; et al., JOURNAL OF MATERIALS SCIENCE & TECHNOLOGY Volume: 34 Issue: 3 Pages: 421-435 Published: MAR 2018; **30/6= 5,00** 60.15. The Influence of the Temperature Regime on the Mechanical Properties of the Thick Steel Sheets from Carbon and Low alloy Steels, Laminated to Thicknesses More than 40 mm, By: Bordei, Marian; Sandu, Andrei Victor; Papadatu, Carmen Penelopi; et al. REVISTA DE CHIMIE Volume: 69 Issue: 3 Pages: 632-635 Published: MAR 2018; **15/6=2,50** 60.16. Corrosion of Ti35Zr28Nb in Hanks' solution and 3.5wt% NaCl solution, By: McElligott, J.; Shi, Z.; Li, Y.; et al. MATERIALS AND CORROSION-WERKSTOFFE UND KORROSION Volume: 69 Issue: 2 Pages: 197-206 Published: FEB 2018; **15/6=2,5** 60.17. Topical Notions About in Vivo Analysis for Degradable Biomaterials with Utility in Human Body, Istrate, B.; Vololeniuc, T.; Munteanu, C.; et al. , Conference: EUROINVENT International Conference on Innovative Research (ICIR) Location: Iasi, ROMANIA Date: MAY 17-18, 2018 **5/6=0,83** 60.18. Self-assembled Nanomaterials Type Layered Double Hydroxides Antibiotics Used as Drug Delivery Vectors By: Duceac, Letitia Doina; Stafie, Liviu; Banu, Elena Ariela; et al., REVISTA DE CHIMIE Volume: 68 Issue: 11 Pages: 2542-2545 Published: NOV 2017; **15/6=2,5**		

Structura activităţii	Restricţii Prof	Punctaj
60.19. Electrochemical characterization of the superelastic (Ti-Zr)-Mo-Sn biomedical alloy displaying a large recovery strain By: Ijaz, M. F.; Vasilescu, C.; Drob, S. I.; et al., MATERIALS AND CORROSION-WERKSTOFFE UND KORROSION Volume: 68 Issue: 11 Pages: 1220-1227 Published: NOV 2017; **15/6=2,5** 60.20. Investigation of the Structure and Magnetic Properties of Bulk Amorphous FeCoYB Alloys, Bloch, Katarzyna; Titu, Mihail Aurel; Sandu, Andrei Victor, REVISTA DE CHIMIE Volume: 68 Issue: 9 Pages: 2162-2165 Published: SEP 2017; **15/6=2,5** 60.21. Increasing corrosion resistance of a ZrTi alloy with a bioinspired coating with low porosity, By: Vardaki, M.; Ionita, D.; Stoian, A. B.; et al., MATERIALS AND CORROSION-WERKSTOFFE UND KORROSION Volume: 68 Issue: 9 Pages: 988-994 Published: SEP 2017; **15/6=2,5** 60.22. Preliminary Results on the Surface of a New Fe-Based Metallic Material after "In Vivo" Maintaining, Sandulache, F.; Stanciu, S.; Cimpoesu, N.; et al., Conference: International Conference on Innovative Research (ICIR Euroinvent) Location: Iasi, ROMANIA Date: MAY 25-26, 2017; **5/6=0,83** **61. Morpho-Structural Characterization of WC20Co Deposited Layers, By: Tugui, C. A.; Vizureanu, P. Conference: International Conference on Innovative Research (ICIR Euroinvent) Location: Iasi, ROMANIA Date: MAY 25-26, 2017, Sponsor(s): Romanian Inventors Forum; Gheorghe Asachi Tech Univ Iasi, Fac Mat Sci & Engn; Alexandru Ioan Cuza Univ Iasi, ARHEOINVEST Platform; Univ Malaysia Perlis, Ctr Excellence Geopolymer & Green Technol; Malaysian Res & Innovat Soc; EUROINVENT, INTERNATIONAL CONFERENCE ON INNOVATIVE RESEARCH - ICIR EUROINVENT 2017 Book Series: IOP Conference Series-Materials Science and Engineering Volume: 209 Article Number: 012020 Published: 2017 (2,50)** 61.1. Aspects Regarding Instantaneous Corrosion of Nodular Iron in Household Wastewater, By: Perju, M. C.; Savin, C.; Nejneru, C.; et al., Conference: EUROINVENT International Conference on Innovative Research (ICIR) Location: Iasi, ROMANIA Date: MAY 17-18, 2018, Sponsor(s): Romanian Inventors Forum; Gheorghe Asachi Tech Univ Iasi, Fac Mat Sci & Engn; Alexandru Ioan Cuza Univ Iasi, ARHEOINVEST Platform; Univ Malaysia Perlis, Ctr Excellence Geopolymer & Green Technol; EUROINVENT EUROINVENT ICIR 2018 Book Series: IOP Conference Series-Materials Science and Engineering Volume: 374 Article Number: 012016 Published: 2018; **5/2=2,5.** **62. Minciuna, M. G., Vizureanu, P., Abdullah, M. M. B., Achitei, D. C., Istrate, B., Cimpoesu, R., Focsaneanu, S. C., Surface Characterization of New Biomaterials, Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 209, Article Number: 012022, 2017. (2,14)** 62.1. Application of Innovative Hydroxyapatite Materials in 3D Printing for Biocompatible Voice Implants By: Musialik, Wojciech; Nabialek, Marcin; Letkiewicz, Slawomir; et al., REVISTA DE CHIMIE Volume: 69 Issue: 4 Pages: 840-842 Published: APR 2018; **15/7=2,14** **63. Preliminary Microstructural and Microscratch Results of Ni-Cr-Fe and Cr3C2-NiCr Coatings on Magnesium Substrate By: Istrate, B.; Munteanu, C.; Lupescu, S.; et al., Conference: International Conference on Innovative Research (ICIR Euroinvent) Location: Iasi, ROMANIA Date: MAY 25-26, 2017 (13,00)** 63.1. Magnesium-Based Hydrogen Storage Alloys: Advances, Strategies, and Future Outlook for Clean Energy Applications, Xu, YH; Zhou, Y; (...); Ding, Z, Jun 2024, MOLECULES 29 (11) **20/5=4,00**		

Structura activităţii	Restricţii Prof	Punctaj
63.2. Tribological Analysis of Several Coatings under Flood and Cryogenic Cooling Conditions, Zhang, YT; Outeiro, JC; (...); Denguir, LA Nov 2023, APPLIED SCIENCES-BASEL 13 (21) **20/5=4,00** 63.3. Nanocrystalline Cermet Coatings for Erosion-Corrosion Protection, By: Tiwari, Abhishek; Seman, Saravanan; Singh, Gaurav; et al., COATINGS Volume: 9 Issue: 6 Article Number: 400 Published: JUN 2019 ; **20/5=4,00** 63.4. Electrospun Membranes for Environmental Protection, By: Manea, L. R.; Bertea, A.; Popa, A.; et al., Conference: EUROINVENT International Conference on Innovative Research (ICIR) Location: Iasi, ROMANIA Date: MAY 17-18, 2018 Sponsor(s): Romanian Inventors Forum; Gheorghe Asachi Tech Univ Iasi, Fac Mat Sci & Engn; Alexandru Ioan Cuza Univ Iasi, ARHEOINVEST Platform; Univ Malaysia Perlis, Ctr Excellence Geopolymer & Green Technol; EUROINVENT, EUROINVENT ICIR 2018 Book Series: IOP Conference Series-Materials Science and Engineering Volume: 374 Article Number: 012081 Published: 2018. **15/5=3,00** **64. Halin, D. S. C., Abdullah, M. M. A. B., Mahmed, N., Malek, S. N. A. Abdul, Vizureanu, P., Azhari, A. W., Synthesis and Characterization of TiO2/SiO2 Thin Film via Sol-Gel Method, Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 209, Article Number: 012002, 2017. (35,81)** 64.1. Development of hydrophilic multilayer structures for energy saving window applications using sol-gel spin coating Yepuri, V and Ramachandramurthy, P, Dec 2024, RESULTS IN OPTICS 17 **5/6=0,83** 64.2. TiO2 Thin Film's Fabrication and Characterization in Response to Heat Treatment, Kumar, S; Sharma, H; (...); Singh, M, Aug 2024 ORIENTAL JOURNAL OF CHEMISTRY 40 (4) , pp.1109-1115 **5/6=0,83** 64.3. Impact of Tamm plasmon structures on fluorescence and optical nonlinearity of graphene quantum dots, Elamkulavan, HJ; Purayil, NP; (...); Keloth, C, Jun 10 2024, SCIENTIFIC REPORTS 14 (1) **20/6=3,33** 64.4. Effect of ZnO nanoparticles on the Judd-Ofelt and radiative parameters of Sm3+ ions in sol-gel silica matrix, Dawngliana, KMS; Bhujel, K and Rai, S, Apr 2024, APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING 130 (4) **20/6=3,33** 64.5. Color tunable upconversion luminescence from ex-situ sol-gel derived Titania-Silicate dense glass-ceramic co-doped with Pr3+-Yb3+ ion pair, Bharadwaj, M; Rai, S and Gaur, A, Dec 2023, OPTICAL MATERIALS 146 **20/6=3,33** 64.6. Structural and morphological characterizations of ex-situ sol-gel derived luminescent Nd3+-Yb3+ion co-doped zinc-silicate dense glass-ceramic, Bharadwaj, M; Rai, S and Gaur, A, Nov 1 2023, JOURNAL OF NON-CRYSTALLINE SOLIDS 619 **20/6=3,33** 64.7. PHYSICOCHEMICAL AND OPTICAL PROPERTIES OF HYBRID FILMS CONTAINING TiO2-BASED SILICA MATERIALS Purcar, V; Raditoiu, V; (...); Nicolae, CA, 2023, ROMANIAN JOURNAL OF PHYSICS 68 (1-2) **15/6=2,50** 64.8. Effect of substrate conductivity on charge transfer and CO2 photoreduction in water vapor over silica-modified TiO2 films Author(s): Fereidooni, M (Fereidooni, Mohammad); Nunez, O (Nunez, Oswaldo); Marquez, V (Marquez, Victor); Paz, CV (Paz, C., V); Villanueva, MS (Villanueva, Martin Salazar); Tun, MZ (Tun, Myo Zin); Kanjanaboos, P (Kanjanaboos, Pongsakorn); Praserthdam, S (Praserthdam, Supareak); Praserthdam, P (Praserthdam, Piyasan), Source: APPLIED SURFACE SCIENCE Volume: 611 Article Number: 155595 DOI: 10.1016/j.apsusc.2022.155595 Part: A Published: FEB 15 2023 **30/6=5,00** 64.9. PHYSICOCHEMICAL AND OPTICAL PROPERTIES OF HYBRID FILMS CONTAINING TiO2-BASED SILICA MATERIALS Author(s): Purcar, V (Purcar, Violeta); Raditoiu, V (Raditoiu, Valentin); Raduly, FM (Raduly, Florentina Monica); Raditoiu, A (Raditoiu, Alina); Caprarescu, S (Caprarescu, Simona); Frone, AN (Frone, Adriana Nicoleta); Nicolae, CA (Nicolae, Cristian-Andi), Source: ROMANIAN JOURNAL OF PHYSICS Volume: 68 Issue: 1-2 Article Number: 604 Published: 2023 **15/6=2,50**		

Structura activităţii	Restricţii Prof	Punctaj
64.10. Influence of selected reactive oxygen species on the photocatalytic activity of TiO2/SiO2 composite coatings processed at low temperature, Author(s): Romero-Moran, A (Romero-Moran, Alejandra); Sanchez-Salas, JL (Sanchez-Salas, Jose L.); Molina-Reyes, J (Molina-Reyes, Joel), Source: APPLIED CATALYSIS B-ENVIRONMENTAL Volume: 291 Article Number: 119685 DOI: 10.1016/j.apcatb.2020.119685 Early Access Date: MAR 2021 Published: AUG 15 2021 **30/6=5,00** 64.11. Electrochemical and Structural Property of TiSiNb TFSOC on Affordable Interconnects in Proton Exchange Membrane Fuel Cell Applications, By: Khosravi H., Saman; Vallant, Rudolf; Ladenstein, Lukas; et al., NANOMATERIALS Volume: 10 Issue: 10 Article Number: 2010 Published: OCT 2020; **20/6=3,33** 64.12. Synthesis and Characterization of Titanium Dioxide Thin Film for Sensor Applications, By: Latha, H. K. E.; Lalithamba, H. S., MATERIALS RESEARCH EXPRESS Volume: 5 Issue: 3 Article Number: 035059 Published: MAR 2018; **15/6=2,50** **65. Baltatu, M. S., Vizureanu, P., Geanta, V., Nejneru, C., Tugui, C. A., Focsaneanu, S. C., Obtaining and Mechanical Properties of Ti-Mo-Zr-Ta Alloys, Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 209, Article Number: 012019, 2017 (9,99)** 65.1. Titanium Alloy Fabricated by Additive Manufacturing for Medical Applications: Obtaining, Characterization and Application-Review Author(s): Zhang, XJ (Zhang, Xinjie); Liu, S (Liu, Shuai); Liu, YD (Liu, Yude); Guo, HJ (Guo, Hanjie); Shi, WT (Shi, Wentian) Source: METALS Volume: 13 Issue: 3 Article Number: 462 DOI: 10.3390/met13030462 Published: MAR 2023 **20/6=3,33** 65.2. Influence of Alumina Nanoparticles on the Mechanical Properties of a Bioresin Composite, Author(s): Ciuca, I (Ciuca, Ion); Solomon, O (Solomon, Oleg); Grigore, CA (Grigore, Camelia Ana); Anghel, L (Anghel, Lucretia); Constantin, I (Constantin, Iulian); Antohe, ME (Antohe, Magda-Ecaterina); Beznea, A (Beznea, Adrian); Harabor, VR (Harabor, Valeriu Romulus); Feier, R (Feier, Ramona); Fotea, S (Fotea, Silvia); Topor, G (Topor, Gabi), Source: MATERIALE PLASTICE Volume: 58 Issue: 2 Pages: 229-236 DOI: 10.37358/MP.21.2.5496 Published: JUN 2021 **10/6=1,66** 65.1. In vitro corrosion resistance and in vivo osseointegration testing of new multifunctional beta-type quaternary TiMoZrTa alloys By: Trinca, Lucia Carmen; Mareci, Daniel; Solcan, Carmen; et al., MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS Volume: 108 Article Number: 110485 Published: MAR 2020; **30/6=5,00** **66. Gruszka, Konrad, Nabialek, Marcin, Szota, Michal, Vizureanu, Petrica, Abdullah, Mohd Mustafa Al Bakri, Bloch, Kasia, Sandu, Andrei Victor, The Study of Magnetization in Strong Magnetic Fields for Fe62-xCO10NbxY8B20 (X=0, 1, 2) Alloys, REVISTA DE CHIMIE Volume: 68, Issue: 2, Pages: 265-268, 2017 (2,14)** 66.1. Structure, Magnetic Properties and Magnetization Reversal Processes in Nanocrystalline Pr(8)Dy(1)Fe(60)Co(7)Mn(6)B(14)Zr(1)Ti(3)Bulk Alloy, By: Przybyl, Anna; Wnuk, Izabela; Wyslocki, Jerzy J., REVISTA DE CHIMIE Volume: 70 Issue: 11 Pages: 4086-4088 Published: NOV 2019; **15/7= 2,14** **67. Kasa, Siti Norbaya, Omar, Mohd Firdaus, Abdullah, Mohd Mustafa Al Bakri, Ismail, Ismarul Nizam, Ting, Sam Sung, Vac, Sebastian Calin, Vizureanu, Petrica, Effect of Unmodified and Modified Nanocrystalline Cellulose Reinforced Polylactic Acid (PLA) Polymer Prepared by Solvent Casting Method Morphology, mechanical and thermal properties, MATERIALE PLASTICE, Volume: 54, Issue: 1, Pag. 91-97, 2017 (63,53)** 67.1. Enhancing the mechanical properties of polylactic acid (PLA) composite films using Pueraria lobata root microcrystalline cellulose Zhu, BR; Zhao, S; (...); Zhou, XW, Nov 2024, INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES 279 **30/7= 4,29**		

Structura activităţii	Restricţii Prof	Punctaj
67.2. Chemical Modification of Nanocrystalline Cellulose for Manufacturing of Osteoconductive Composite Materials Solomakha, O; Stepanova, M; (...); Korzhikova-Vlakh, E, Jul 2024, POLYMERS 16 (13) **20/7=2,85** 67.3. Production of PLA/cellulose derived from pineapple leaves as bio-degradable mulch film, Sukwijit, C; Seubsai, A; (...); Prapainainar, P Jun 2024, INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES 270 **30/7= 4,29** 67.4. Manufacturing and experimental characterization of new-developed natural fiber reinforced polymer nanocomposite Dhas, JER; Lewise, KAS; (...); AL-bonsrulah, HAZ, Sep-oct 2023, JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T 26 , pp.6084-6095 **30/7= 4,29** 67.5. Compression Strength of PLA Bolts Produced via FDM, Author(s): Kukla, M (Kukla, Mateusz); Sieracki, I (Sieracki, Igor); Maliga, W (Maliga, Wojciech); Gorecki, J (Gorecki, Jan), Source: MATERIALS Volume: 15 Issue: 24 Article Number: 8740 DOI: 10.3390/ma15248740 Published: DEC 2022 **20/7=2,85** 67.6. Investigating the Effect of PCL Concentrations on the Characterization of PLA Polymeric Blends for Biomaterial Applications Author(s): Solechan, S (Solechan, Solechan); Suprihanto, A (Suprihanto, Agus); Widyanto, SA (Widyanto, Susilo Adi); Triyono, J (Triyono, Joko); Fitriyana, DF (Fitriyana, Deni Fajar); Siregar, JP (Siregar, Januar Parlaungan); Cionita, T (Cionita, Tezara), Source: MATERIALS Volume: 15 Issue: 20 Article Number: 7396 DOI: 10.3390/ma15207396 Published: OCT 2022 **20/7=2,85** 67.7. Study of the Effect of Modified Aluminum Oxide Nanofibers on the Properties of PLA-Based Films Author(s): Sukhanova, A (Sukhanova, Anna); Boyandin, A (Boyandin, Anatoly); Ertiletskaya, N (Ertiletskaya, Natalya); Simunin, M (Simunin, Mikhail); Shalygina, T (Shalygina, Taisia); Voronin, A (Voronin, Anton); Vasiliev, A (Vasiliev, Alexander); Nemtsev, I (Nemtsev, Ivan); Volochaev, M (Volochaev, Mikhail); Pyatina, S (Pyatina, Svetlana), Source: MATERIALS Volume: 15 Issue: 17 Article Number: 6097 DOI: 10.3390/ma15176097 Published: SEP 2022 **20/7=2,85** 67.8. Preparation and Supercritical CO2 Foaming of Modified Nanocrystalline Cellulose Reinforced Polylactic Acid Bionanocomposites Author(s): Chen, D (Chen, Dan); Zhang, P (Zhang, Ping); Wang, JJ (Wang, Jiajun); Gao, D (Gao, De), Source: ADVANCES IN MATERIALS SCIENCE AND ENGINEERING Volume: 2022 Article Number: 2805670 DOI: 10.1155/2022/2805670 Published: AUG 10 2022 **20/7=2,85** 67.9. Modification of Cellulose Micro- and Nanomaterials to Improve Properties of Aliphatic Polyesters/Cellulose Composites: A Review Author(s): Stepanova, M (Stepanova, Mariia); Korzhikova-Vlakh, E (Korzhikova-Vlakh, Evgenia), Source: POLYMERS Volume: 14 Issue: 7 Article Number: 1477 DOI: 10.3390/polym14071477 Published: APR 2022 **20/7=2,85** 67.10. Nanocrystalline cellulose incorporated biopolymer tailored polyethersulfone mixed matrix membranes for efficient treatment of produced water, Author(s): Yogarathinam, LT (Yogarathinam, Lukka Thuyavan); Goh, PS (Goh, Pei Sean); Ismail, AF (Ismail, Ahmad Fauzi); Gangasalam, A (Gangasalam, Arthanareeswaran); Ahmad, NA (Ahmad, Nor Akalili); Samavati, A (Samavati, Alireza); Mamah, SC (Mamah, Stanley Chinedu); Abidin, MNZ (Abidin, Muhammad Nidzhom Zainol); Ng, BC (Ng, Be Cheer); Gopal, B (Gopal, Balamurugan) Source: CHEMOSPHERE Volume: 293 Article Number: 133561 DOI: 10.1016/j.chemosphere.2022.133561 Early Access Date: JAN 2022 Published: APR 2022 **30/7= 4,29** 67.11. THE INFLUENCE OF PROCESS PARAMETERS ON THE MECHANICAL BEHAVIOR OF A COMPOSITE MATERIAL MADE FROM MIXED PLASTIC WASTES, Author(s): Platon, MA (Platon, M. A.); Nemes, O (Nemes, O.); Tiuc, AE (Tiuc, A. -e.); Vilau, C (Vilau, C.); Dudescu, CM (Dudescu, C. M.); Paduretu, S (Paduretu, S.), Source: ARCHIVES OF METALLURGY AND MATERIALS Volume: 67 Issue: 4 Pages: 1235-1241 DOI: 10.24425/amm.2022.141047 Published: 2022 **10/7=1,42** 67.12. Development and characterisation of packaging film from Napier cellulose nanowhisker reinforced polylactic acid (PLA) bionanocomposites, Author(s): Sucinda, EF (Sucinda, E. F.); Majid, MSA (Majid, M. S. Abdul); Ridzuan, MJM (Ridzuan, M. J. M.); Cheng, EM (Cheng, E. M.); Alshahrani, HA (Alshahrani, H. A.); Mamat, N (Mamat, N.), Source: INTERNATIONAL JOURNAL OF BIOLOGICAL		

Structura activităţii	Restricţii Prof	Punctaj
MACROMOLECULES Volume: 187 Pages: 43-53 DOI: 10.1016/j.ijbiomac.2021.07.069 Early Access Date: AUG 2021 Published: SEP 30 2021 **30/7= 4,29** 67.13. Synthesis of novel superdisintegrants for pharmaceutical tableting based on functionalized nanocellulose hydrogels, By: Sheikhy, Shabnam; Safekordi, Ali Akbar; Ghorbani, Marjan; et al., INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 167 Pages: 667-675 Published: JAN 15 2021; **30/7= 4,29** 67.14. Acetylated cellulose nanostructures as reinforcement materials for PBAT nanocomposites, By: Barbosa, Rennan F. S.; Souza, Alana G.; Rosa, Derval S., POLYMER COMPOSITES Volume: 41 Issue: 7 Pages: 2841-2854 Published: JUL 2020 Early Access: MAR 2020; **20/7=2,85** 67.15. The fabrication of bilayer polylactic acid films from cross-linked starch as eco-friendly biodegradable materials: Synthesis, characterization, mechanical and physical properties, By: Gurler, Nedim; Pasa, Salih; Alma, M. Hakki; et al., EUROPEAN POLYMER JOURNAL Volume: 127 Article Number: 109588 Published: MAR 15 2020; **20/7=2,85** 67.16. Biocomposite Fabrication from Enzymatically Treated Nanocellulosic Fibers and Recycled Polylactic Acid, By: Laadila, Mohamed Amine; Suresh, Gayatri; Rouissi, Tarek; et al., ENERGIES Volume: 13 Issue: 4 Article Number: 1003 Published: FEB 2020, **20/7=2,85** 67.17. Isolation and acetylation of cellulose nanostructures with a homogeneous system, By: Barbosa, R. F. S.; Souza, A. G.; Ferreira, F. F.; et al., CARBOHYDRATE POLYMERS Volume: 218 Pages: 208-217 Published: AUG 15 2019; **30/7= 4,29** 67.21. Extraction and characterization of polysaccharides from tamarind seeds, rice mill residue, okra waste and sugarcane bagasse for its Bio-thermoplastic properties, By: Mohan, C. Chandra; Harini, K.; Aafrin, B. Vajiha; et al., CARBOHYDRATE POLYMERS Volume: 186 ; 307; **30/7= 4,29** 67.22. Effect of Foliar Boron Fertilization on Chemical Properties and Fatty Acid Compositions of Corn (Zea mays L.) By: Konuskan, Omer; Konuskan, Dilsat Bozdodan; Levai, Codrina Mihaela, REVISTA DE CHIMIE Volume: 68 Issue: 9 Pages: 2073-2075 Published: SEP 2017; **15/7= 2,14** **68. Savin, A., Vizureanu, P., Prevorovsky, Z., Chlada, M., Krofta, J., Baltatu, M. S., Istrate, B., Steigmann, R., Noninvasive Evaluation of Special Alloys for Prostheses Using Complementary Methods, Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 374, Article Number: UNSP 012030, 2018. (2,85)** 68.1. Metallic Dental Implants Wear Mechanisms, Materials, and Manufacturing Processes: A Literature Review Author(s): Saha, S (Saha, Sudip); Roy, S (Roy, Sougata), Source: MATERIALS Volume: 16 Issue: 1 Article Number: 161 DOI: 10.3390/ma16010161 Published: JAN 2023 **20/7=2,85** **69. Nergis, D. D. Burduhos, Abdullah, M. M. A. B., Vizureanu, P., Tahir, M. F. M., Geopolymers and Their Uses: Review, Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 374, Article Number: UNSP 012019, 2018. (179,00)** 69.1. Development of geopolymer from gold mine tailings utilizing Taguchi robust design, de Leon, LN; Labastida, PB; (...); Magdaluyo, E Jr Dec 1 2024, ENGINEERING RESEARCH EXPRESS 6 (4) **15/4=3,75** 69.2. Tensile strength and durability performances-based evaluation of 3D-printed and mold-cast fibrous geopolymer composites produced at various alkaline activator combinations, Mermerdas, K; Khalid, LW; (...); Jawad, DJ, Nov 15 2024, JOURNAL OF BUILDING ENGINEERING 97 **30/4=7,5**		

Structura activităţii	Restricţii Prof	Punctaj
69.3. Recent advances in immobilization of radioactive cesium and strontium-bearing wastes in alkali activated materials - A review Mukiza, E; Phung, QT; (...); De Schutter, G, Nov 2024, JOURNAL OF ENVIRONMENTAL MANAGEMENT 370 **30/4=7,5** 69.4. Unconfined compressive strength of geopolymers based soil: Model development using gene expression programming and a comparison with other computer-based approaches, Tran, KQ; Duong, NT; (...); Tran, LH, Mar 4 2025, MECHANICS OF ADVANCED MATERIALS AND STRUCTURES 32 (5) , pp.841-851 **20/4=5,00** 69.5. Critical methods of geopolymer feedstocks activation for suitable industrial applications, Kehinde, O; Hughes, DJ and Amalu, EH May 15 2024, HELIYON 10 (9) **20/4=5,00** 69.6. Evaluation of Locally Available Calcined Clay-Based Geopolymer for the Stabilization of Expansive Soils, Chou, S; Biswas, N; (...); Radovic, M, Oct 2024, TRANSPORTATION RESEARCH RECORD 2678 (10) , pp.834-849 **15/4=3,75** 69.7. Sustainable Geopolymer Structural Insulation Panels Obtained with the Addition of Power Plant Ash and Furnace Slag with Potential Uses in the Fabrication of Specialized Structures, Ciobanu, RC; Schreiner, C; (...); Ion, I, Mar 2024, SUSTAINABILITY 16 (6) **20/4=5,00** 69.8. MECHANICAL PROPERTIES OF GREEN GLASS-BASED-GEOPOLYMERS, Oleiwi, HA; Al-saadi, THA and Namer, NSM 2024, REVISTA ROMANA DE MATERIALE-ROMANIAN JOURNAL OF MATERIALS 54 (2) , pp.118-124 **5/4=1,25** 69.9. Behavior of Fibers in Geopolymer Concrete: A Comprehensive Review, Sharma, U; Gupta, N; (...); Islam, S, Jan 2024, BUILDINGS 14 (1) **20/4=5,00** 69.10. Comprehensive Analysis of Geopolymer Materials: Properties, Environmental Impacts, and Applications, Sbahieh, S; Mckay, G and Al-Ghamdi, SG, Dec 2023, MATERIALS 16 (23) **20/4=5,00** 69.11. Comprehensive Review of Innovative Materials for Sustainable Buildings' Energy Performance, Nasr, Y; El Zakhem, H; (...); Belarbi, R Nov 2023, ENERGIES 16 (21) **20/4=5,00** 69.12. Feasibility Study of Using Hydrophobic Geopolymer-Based as Aggregate Substitution in Asphalt Mixture, Ago, C; Li, GW; (...); Yusoff, NIM, Jul 2023, POLYMERS 15 (14) **20/4=5,00** 69.13. Effect of thermal annealing on kaolin from the Amazon region, aiming at the production of geopolymer, Maruoka, LMA; Pinheiro, IF; (...); Scalvi, LVA, Jul-aug 2023, JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T 25 , pp.2471-2485 **30/4=7,5** 69.14. A novel framework for strength prediction of geopolymer mortar: Renovative precursor effect, Kurt, Z; Yilmaz, Y; (...); Ustabas, I Oct 1 2023, JOURNAL OF BUILDING ENGINEERING 76 **30/4=7,5** 69.15. Effect of Plant Fiber on Early Properties of Geopolymer, Lv, C; Wu, D; (...); Liu, J, Jun 2023, MOLECULES 28 (12) **20/4=5,00** 69.16. Effect of Calcium Hydroxide on Compressive Strength and Microstructure of Geopolymer Containing Admixture of Kaolin, Fly Ash, and Red Mud, Cong, TD; Phuong, T; (...); Nguyen, TH, Apr 2023, APPLIED SCIENCES-BASEL 13 (8) **20/4=5,00** 69.17. Effect of composition of geopolymer composites containing fly ash and waste glass powder on their durability and resistivity demonstrated in presence of a nanocarbon additive in a form of graphene, Author(s): Janowska-Renkas, E (Janowska-Renkas, Elzbieta); Zdrojek, M (Zdrojek, Mariusz); Koziol, M (Koziol, Michal); Kaliciak-Kownacka, A (Kaliciak-Kownacka, Agnieszka), Source: MEASUREMENT Volume: 211 Article Number: 112616 DOI: 10.1016/j.measurement.2023.112616 Early Access Date: FEB 2023 Published: APR 2023 **30/4=7,5** 69.18. Comment On Energy-Efficient Alternative for Different Types of Traditional Soil Binders, Author(s): Jangde, H (Jangde, Himanshu); Khan, F (Khan, Farhan), Source: STUDIA GEOTECHNICA ET MECHANICA Volume: 45 Issue: 1 Pages: 72-87 DOI: 10.2478/sgem-2022-0029 Early Access Date: JAN 2023 Published: MAR 1 2023 **5/4= 1,25** 69.19. Properties of 3D Printing Fiber-Reinforced Geopolymers Based on Interlayer Bonding and Anisotropy Author(s): Lv, C (Lv, Chun); Shen, HT (Shen, Hongtao); Liu, J (Liu, Jie); Wu, D (Wu, Dan); Qu, EX (Qu, Enxiang); Liu, S (Liu, Shuang) Source: MATERIALS Volume: 15 Issue: 22 Article Number: 8032 DOI: 10.3390/ma15228032 Published: NOV 2022		

Structura activităţii	Restricţii Prof	Punctaj
69.20. Clean technology for sustainable development by geopolymer materials **20/4=5,00** Author(s): Chola, RKV (Chola, Resha Kasim Vellattu); Parambil, FO (Parambil, Farsana Ozhukka); Panakkal, T (Panakkal, Thasleena); Chelaveettil, BM (Chelaveettil, Basheer Meethale); Kumari, P (Kumari, Prajitha); Peedikakkal, SV (Peedikakkal, Sajna Valiya), Source: PHYSICAL SCIENCES REVIEWS DOI: 10.1515/psr-2022-0194 Early Access Date: OCT 2022 **5/4= 1,25** 69.21. Geopolymer: A Systematic Review of Methodologies, Author(s): Matsimbe, J (Matsimbe, Jabulani); Dinka, M (Dinka, Megersa); Olukanni, D (Olukanni, David); Musonda, I (Musonda, Innocent), Source: MATERIALS Volume: 15 Issue: 19 Article Number: 6852 DOI: 10.3390/ma15196852 Published: OCT 2022 **20/4=5,00** 69.22. A Bibliometric Analysis of Research Trends in Geopolymer, Author(s): Matsimbe, J (Matsimbe, Jabulani); Dinka, M (Dinka, Megersa); Olukanni, D (Olukanni, David); Musonda, I (Musonda, Innocent), Source: MATERIALS Volume: 15 Issue: 19 Article Number: 6979 DOI: 10.3390/ma15196979 Published: OCT 2022 **20/4=5,00** 69.23. Influence of Fe2O3, MgO and Molarity of NaOH Solution on the Mechanical Properties of Fly Ash-Based Geopolymers Author(s): Ionescu, BA (Ionescu, Bradut Alexandru); Chira, M (Chira, Mihail); Vermesan, H (Vermesan, Horatiu); Hegyi, A (Hegyi, Andreea); Lazarescu, AV (Lazarescu, Adrian-Victor); Thalmaier, G (Thalmaier, Gyorgy); Neamtu, BV (Neamtu, Bogdan Viorel); Gabor, T (Gabor, Timea); Sur, IM (Sur, Ioana Monica), Source: MATERIALS Volume: 15 Issue: 19 Article Number: 6965 DOI: 10.3390/ma15196965 Published: OCT 2022 **20/4=5,00** 69.24. Effects of Limestone Powder on the Early Hydration Behavior of Ye'elimite: Experimental Research and Thermodynamic Modelling Author(s): Ma, J (Ma, Jian); Wang, T (Wang, Ting); Shi, H (Shi, Hu); Yu, ZQ (Yu, Zhuqing); Shen, XD (Shen, Xiaodong), Source: MATERIALS Volume: 15 Issue: 19 Article Number: 6645 DOI: 10.3390/ma15196645 Published: OCT 2022 **20/4=5,00** 69.25. Recycling of Cement Industry Waste for Alkali-Activated Materials Production, Author(s): Salamanova, M (Salamanova, Madina); Murtazaev, SA (Murtazaev, Sayd-Alvi); Saidumov, M (Saidumov, Magomed); Alaskhanov, A (Alaskhanov, Arbi); Murtazaeva, T (Murtazaeva, Tamara); Fediuk, R (Fediuk, Roman), Source: MATERIALS Volume: 15 Issue: 19 Article Number: 6660 DOI: 10.3390/ma15196660 Published: OCT 2022 **20/4=5,00** 69.26 Self-Healing Properties of Asphalt Concrete with Calcium Alginate Capsules Containing Different Healing Agents Author(s): Wang, HM (Wang, Huoming); Yuan, M (Yuan, Miao); Wu, J (Wu, Jie); Wan, P (Wan, Pei); Liu, QT (Liu, Quantao) Source: MATERIALS Volume: 15 Issue: 16 Article Number: 5555 DOI: 10.3390/ma15165555 Published: AUG 2022 **20/4=5,00** 69.27. Rutting Behaviour of Geopolymer and Styrene Butadiene Styrene-Modified Asphalt Binder Author(s): Hamid, A (Hamid, Abdulrahman); Baaj, H (Baaj, Hassan); El-Hakim, M (El-Hakim, Mohab), Source: POLYMERS Volume: 14 Issue: 14 Article Number: 2780 DOI: 10.3390/polym14142780 Published: JUL 2022 **20/4=5,00** 69.28. Effects of Fly Ash Inclusion and Alkali Activation on Physical, Mechanical, and Chemical Properties of Clay, Author(s): Turan, C (Turan, Canan); Javadi, AA (Javadi, Akbar A.); Vinai, R (Vinai, Raffaele); Russo, G (Russo, Giacomo), Source: MATERIALS Volume: 15 Issue: 13 Article Number: 4628 DOI: 10.3390/ma15134628 Published: JUL 2022 **20/4=5,00** 69.29. Use of fly ash in the production of geopolymers: a literature review, Author(s): Pedro, MPS (Socrates Pedro, Munoz Perez); Samuel, CM (Mamani Samuel, Charca); Mercedes, DGC (Clara Mercedes, Davila Gamonal); Irina, DR (Roman Irina, Diaz); Guillermo, RGC (Carlos Guillermo, Reyes Gutierrez), Source: INNOVATIVE INFRASTRUCTURE SOLUTIONS Volume: 7 Issue: 3 Article Number: 236 DOI: 10.1007/s41062-022-00835-7 Published: JUN 2022 **5/4=1,25** 69.30. State of the art of geopolymers: A review Author(s): Castillo, H (Castillo, Hengels); Collado, H (Collado, Humberto); Droguett, T (Droguett, Thomas); Vesely, M (Vesely, Mario); Garrido, P (Garrido, Pamela); Palma, S (Palma, Sergio), Source: E-POLYMERS Volume: 22 Issue: 1 Pages: 108-124 DOI: 10.1515/epoly-2022-0015 Published: JAN 10 2022 **20/4=5,00**		

Structura activităţii	Restricţii Prof	Punctaj
69.31. Gamma Radiation Shielding Properties of Slag and Fly Ash-based Geopolymers, Author(s): Hasan, MW (Hasan, M. W.); Sugiharto, S (Sugiharto, S.); Astutiningsih, S (Astutiningsih, S.), Source: ATOM INDONESIA Volume: 47 Issue: 3 Pages: 173-180 DOI: 10.17146/aij.2021.1076 Published: DEC 2021 **20/4=5,00** 69.32. Synthesis of geopolymers from fly and bottom ashes of a thermoelectrical power plant for metallic ions adsorption, Author(s): Peres, EC (Peres, Enrique C.); Netto, MS (Netto, Matias Schadeck); Mallmann, ES (Mallmann, Evandro S.); Silva, LFO (Silva, Luis F. O.); Foletto, EL (Foletto, Edson L.); Dotto, GL (Dotto, Guilherme L.), Source: ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH Volume: 29 Issue: 2 Pages: 2699-2706 DOI: 10.1007/s11356-021-15882-3 Early Access Date: AUG 2021 Published: JAN 2022 **30/4=7,50** 69.33. Effect of synthetic fibers on the properties of geopolymers based on non-heat treated phosphate mine tailing, By: Haddaji, Younesse; Majdoubi, Hicham; Mansouri, Said; et al., MATERIALS CHEMISTRY AND PHYSICS Volume: 260 Article Number: 124147 Published: FEB 15 2021; **20/4=5,00** 69.34. The past and future of sustainable concrete: A critical review and new strategies on cement-based materials By: de Brito, Jorge; Kurda, Rawaz, JOURNAL OF CLEANER PRODUCTION Volume: 281 Article Number: 123558 Published: JAN 25 2021; **30/4=7,5** 69.35. Eco-friendly Geopolymer Composite Based on Non-heat-treated Phosphate Sludge Reinforced With Polypropylene Fibers By: Haddaji, Younesse; Hamdane, Hasna; Majdoubi, Hicham; et al., SILICON , early access iconEarly Access: JAN 2021; 1**5/4=3,75** **70. Baltatu, M. S., Vizureanu, P., Balan, T., Lohan, M., Tugui, C. A., Preliminary Tests for Ti-Mo-Zr-Ta Alloys as Potential Biomaterials, Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 374, Article Number: UNSP 012023, 2018 (52,00)** 70.1. Study on the crystallisation of amorphous alloy-titanium alloy joints during different welding processes, Chen, MH; Li, K; (...); Wu, FF Jun 2024, SCIENCE AND TECHNOLOGY OF WELDING AND JOINING 29 (4) , pp.261-270 **20/5=4,00** 70.2. Strengthening of Ta-W alloys by alloying Zr elements: First-principles calculation and experimental perspective, Peng, XL; Tong, YG; (...); Liang, XB, May 5 2024, JOURNAL OF ALLOYS AND COMPOUNDS 983 **30/5=6,00** 70.3. Influence of the Phase Composition of Titanium Alloys on Cell Adhesion and Surface Colonization, Straumal, BB; Anisimova, NY; (...); Davdian, G, Nov 2023, MATERIALS 16 (22) **20/5=4,00** 70.4. Features of Permanent Joints of Titanium (alpha plus beta)-Alloys Obtained by Friction Stir Welding Using a Nickel Superalloy Tool Author(s): Amirov, A (Amirov, Alihan); Chumaevskii, A (Chumaevskii, Andrey); Savchenko, N (Savchenko, Nikolay); Gurianov, D (Gurianov, Denis); Nikolaeva, A (Nikolaeva, Aleksandra); Krasnoveykin, V (Krasnoveykin, Vladimir); Ivanov, A (Ivanov, Aleksey); Rubtsov, V (Rubtsov, Valery); Kolubaev, E (Kolubaev, Evgeny), Source: METALS Volume: 13 Issue: 2 Article Number: 222 DOI: 10.3390/met13020222 Published: FEB 2023 **20/5=4,00** 70.5. Influence of Anodizing Conditions on Biotribological and Micromechanical Properties of Ti-13Zr-13Nb Alloy, Author(s): Stroz, A (Stroz, Agnieszka); Maszybrocka, J (Maszybrocka, Joanna); Goryczka, T (Goryczka, Tomasz); Dudek, K (Dudek, Karolina); Osak, P (Osak, Patrycja); Losiewicz, B (Losiewicz, Bozena), Source: MATERIALS Volume: 16 Issue: 3 Article Number: 1237 DOI: 10.3390/ma16031237 Published: FEB 2023 **20/5=4,00** 70.6. Ti-20Nb-10Ta-5Zr Is Biosafe Alloy for Building of Ecofriendly Greenhouse Framework of New Generation, Author(s): Sarimov, RM (Sarimov, Ruslan M. M.); Glinushkin, AP (Glinushkin, Alexey P. P.); Sevostyanov, MA (Sevostyanov, Mikhail A. A.); Konushkin, SV (Konushkin, Sergey V. V.); Serov, DA (Serov, Dmitry A. A.); Astashev, ME (Astashev, Maxim E. E.); Lednev, VN (Lednev, Vasily N. N.);		

Structura activităţii	Restricţii Prof	Punctaj
Yanykin, DV (Yanykin, Denis V. V.); Sibirev, AV (Sibirev, Alexey V. V.); Smirnov, AA (Smirnov, Alexander A. A.); Baimler, IV (Baimler, Ilya V. V.); Simakin, AV (Simakin, Alexandr V. V.); Bunkin, NF (Bunkin, Nikolay F. F.); Gudkov, SV (Gudkov, Sergey V. V.) Source: METALS Volume: 12 Issue: 12 Article Number: 2007 DOI: 10.3390/met12122007 Published: DEC 2022 **20/5=4,00** 70.7. Investigation of Topographical Alterations in Titanium-Zirconium-Alloy Implant Threads following Er:YAG Irradiation Author(s): Ayna, M (Ayna, Mustafa); Spille, J (Spille, Johannes); Acil, Y (Acil, Yahya); Weitkamp, JT (Weitkamp, Jan-Tobias); Wiltfang, J (Wiltfang, Jorg); Esen, C (Esen, Cemal); Gulses, A (Guelses, Aydin), Source: MATERIALS Volume: 15 Issue: 22 Article Number: 7889 DOI: 10.3390/ma15227889 Published: NOV 2022 **20/5=4,00** 70.8. The Impact of Soiling on PV Module Performance in Saudi Arabia, Author(s): Al Garni, HZ (Al Garni, Hassan Z.) Source: ENERGIES Volume: 15 Issue: 21 Article Number: 8033 DOI: 10.3390/en15218033 Published: NOV 2022 **20/5=4,00** 70.9. Formation and Thermal Stability of the omega-Phase in Ti-Nb and Ti-Mo Alloys Subjected to HPT, Author(s): Korneva, A (Korneva, Anna); Straumal, B (Straumal, Boris); Gornakova, A (Gornakova, Alena); Kilmametov, A (Kilmametov, Askar); Gondek, L (Gondek, Lukasz); Litynska-Dobrzynska, L (Litynska-Dobrzynska, Lidia); Chulist, R (Chulist, Robert); Pomorska, M (Pomorska, Malgorzata); Zieba, P (Zieba, Pawel), Source: MATERIALS Volume: 15 Issue: 12 Article Number: 4136 DOI: 10.3390/ma15124136 Published: JUN 2022 **20/5=4,00** 70.10. CONTACT STRESS SIMULATION FOR MG-0.5CA-xMN ALLOYS USED FOR MEDICAL APPLICATION Author(s): Nastasa, RO (Nastasa, R. O.); Tufescu, A (Tufescu, A.); Munteanu, C (Munteanu, C.); Istrate, B (Istrate, B.); Przybyl, A (Przybyl, A.); Tanus, G (Tanus, G.), Source: ARCHIVES OF METALLURGY AND MATERIALS Volume: 67 Issue: 2 Pages: 405-408 DOI: 10.24425/amm.2022.137771 Published: 2022 **10/5=2,00** 70.11. Novel Mg-0.5Ca-xMn Biodegradable Alloys Intended for Orthopedic Application: An In Vitro and In Vivo Study Author(s): Munteanu, C (Munteanu, Corneliu); Vlad, DM (Vlad, Daniela Maria); Sindilar, EV (Sindilar, Eusebiu-Viorel); Istrate, B (Istrate, Bogdan); Butnaru, M (Butnaru, Maria); Pasca, SA (Pasca, Sorin Aurelian); Nastasa, RO (Nastasa, Roxana Oana); Mihai, I (Mihai, Iuliana); Burlea, SL (Burlea, Stefan-Lucian), Source: MATERIALS Volume: 14 Issue: 23 Article Number: 7262 DOI: 10.3390/ma14237262 Published: DEC 2021 **20/5=4,00** 70.12. Influence of Alumina Nanoparticles on the Mechanical Properties of a Bioresin Composite, Author(s): Ciuca, I (Ciuca, Ion); Solomon, O (Solomon, Oleg); Grigore, CA (Grigore, Camelia Ana); Anghel, L (Anghel, Lucretia); Constantin, I (Constantin, Iulian); Antohe, ME (Antohe, Magda-Ecaterina); Beznea, A (Beznea, Adrian); Harabor, VR (Harabor, Valeriu Romulus); Feier, R (Feier, Ramona); Fotea, S (Fotea, Silvia); Topor, G (Topor, Gabi), Source: MATERIALE PLASTICE Volume: 58 Issue: 2 Pages: 229-236 DOI: 10.37358/MP.21.2.5496 Published: JUN 2021 **10/5=2,00** 63.13. In vitro corrosion resistance and in vivo osseointegration testing of new multifunctional beta-type quaternary TiMoZrTa alloys By: Trinca, Lucia Carmen; Mareci, Daniel; Solcan, Carmen; et al., MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS Volume: 108 Article Number: 110485 Published: MAR 2020; **30/5=6,00** **71. Araoyinbo, A. O., Abdullah, M. M. A. B., Rahmat, A., Azmi, A. I., Vizureanu, P., Abd Rahim, W. M. F. Wan, Preparation of Heat Treated Titanium Dioxide (TiO2) Nanoparticles for Water Purification, Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 374, Article Number: UNSP 012084, 2018. (13,53)** 71.1. Preparation of Polyacrylamide Titanium Dioxide Hybrid Nanocomposite by Direct Polymerization and Its Applicability in Removing Crystal Violet from Aqueous Solution, Arslan, DS; Ertap, H; (...); Mehmeti, V, Feb 2024, JOURNAL OF POLYMERS AND THE ENVIRONMENT 32 (2) , pp.573-587 **20/7=2,85**		

Structura activităţii	Restricţii Prof	Punctaj
71.2. An experimental investigation on winter heat storage in compact salinity gradient solar ponds with silicon dioxide particulates infused paraffin wax, Arulprakasajothi, M; Poyyamozhi, N; (...); Amesho, KTT, Mar 30 2024, JOURNAL OF ENERGY STORAGE 82 **30/7=4,28** 71.3. An Overview on Green Titanium Nanoparticles Based on Plants: Synthesis, Potential Applications and Eco-Friendly Approach Author(s): Dan, SO (Dan, Sneha Olive); Khan, SH (Khan, S. H.), Source: INTERNATIONAL JOURNAL OF LIFE SCIENCE AND PHARMA RESEARCH Volume: 12 Issue: 5 Pages: P215-P233 DOI: 10.22376/ijpbs/lpr.2022.12.5.P215-233 Published: SEP 2022 **5/7=0,71** 71.4. Synthesis of Sr@TiO2 nanomaterials rapidly by microwave induced combustion method and measure its photocatalytic degradation properties of methyl orange wastewater, Author(s): Xu, YQ (Xu, Yanqin); Wu, H (Wu, Hong); Lv, ZT (Lv, Zuntao); Cao, Y (Cao, Yuan) Source: DESALINATION AND WATER TREATMENT Volume: 245 Pages: 297-305 DOI: 10.5004/dwt.2022.27963 Published: JAN 2022 **10/7=1,42** 71.5. Effect of Different Precursors and Solvents on Material Properties of Anatase Phase Synthesized by Sol-Gel Method By: Muthee, Dorah Kawira; Dejene, Birhanu Francis, BRAZILIAN JOURNAL OF PHYSICS Volume: 51 Issue: 3 Pages: 439-448 Published: JUN 2021, Early Access: MAR 2021; **10/7=1,42** 71.6. Surface Modification of TiO2 nanoparticles using Conducting Polymer Coating: Spectroscopic, Structural, Morphological Characterization and Interaction with Dye Molecules, By: Baig, Umair; Uddin, Mohammad Kashif; Sajid, Mohd, MATERIALS TODAY COMMUNICATIONS Volume: 25 Article Number: 101534 Published: DEC 2020**; 20/7=2,85** **72. Nergis, DPB., Cimpoesu, N., Vizureanu, P., Baciu, C., Bejinariu, C., Tribological characterization of phosphate conversion coating and rubber paint coating deposited on carbon steel carabiners surfaces, MATERIALS TODAY-PROCEEDINGS, Volume: 19, Published: 2019, Pages: 969-978 Part: 3. (26,00)** 72.1. Structural and corrosion analysis of copper/chitosan coating on nanotubular TiO 2 /Ti6Al4V implant surface Raju, KAK and Biswas, A, Apr 30 2024, SURFACE & COATINGS TECHNOLOGY 482 **30/5=6,00** 72.2. Evaluation of structural and corrosion behavior of chitosan/silver coating on Ti6Al4V/TiO2 nanotubular surface Raju, KAK and Biswas, A, Jan 30 2024, SURFACE & COATINGS TECHNOLOGY 476 **30/5=6,00** 72.3. Corrosion behavior of self-organized TiO2 nanotubular arrays grown on Ti6Al4V for biomedical applications Raju, KAK and Biswas, A Sep 1 2023, MATERIALS CHEMISTRY AND PHYSICS 305 **20/5=4,00** 72.4. Effect of Mg(OH)(2)/silica composite aerogel filler on the glass transition temperature and flame retardancy of detachable polymer coatings Author(s): Lee, KY (Lee, Kyu-Yeon); Phadtare, VD (Phadtare, Varsha D.); Parale, VG (Parale, Vinayak G.); Kim, Y (Kim, Younghun); Park, HH (Park, Hyung-Ho), Source: PROGRESS IN ORGANIC COATINGS Volume: 171 Article Number: 107050 DOI: 10.1016/j.porgcoat.2022.107050 Early Access Date: JUL 2022 Published: OCT 2022 **30/5=6,00** 72.5. Vulcanization Modeling and Mechanism for Improved Tribological Performance of Styrene-Butadiene Rubber at the Atomic Scale, By: Zhang, Tao; Huang, Haibo; Li, Wei; et al., TRIBOLOGY LETTERS Volume: 68 Issue: 3 Article Number: 83 Published: JUL 31 2020; **20/5=4,00** **73. Minciuna, M.G., Achitei, D.C., Vizureanu, P., Sandu, A.V., Nabialek, M., Electrochemical Evaluation of AISI 420 Steel after Several Heat Treatments, ACTA PHYSICA POLONICA A, Volume: 135, Issue: 2, Pages: 115-118, Published: 2019 (4,00)** 73.1. CHARACTERISTICS OF AISI 420 STAINLESS STEEL MODIFIED BY COMBINING GAS NITRIDING AND CrN COATING		

Structura activităţii	Restricţii Prof	Punctaj
Author(s): Nguyen, TV (Thanh Van Nguyen); Doan, VT (Van Thanh Doan); Trinh, TV (Trung Van Trinh); Vu, HV (Huy Van Vu) Source: ACTA METALLURGICA SLOVACA Volume: 27 Issue: 3 Pages: 146-151 DOI: 10.36547/ams.27.3.1035 Published: 2021 **5/5=1,0** 73.2. Influence of Isothermal Heating on the Curie Temperature of FeCoB Bulk Amorphous Alloy, By: Jez, Kinga; Jez, Bartlomiej; Pietrusiewicz, Pawel, REVISTA DE CHIMIE Volume: 70 Issue: 9 Pages: 3158-3162 Published: SEP 2019; **15/5=3,00** **74. Baltatu M.S., Tugui C.A., Perju M.C., Benchea M., Spataru M.C., Sandu A.V., Vizureanu P., Biocompatible Titanium Alloys used in Medical Applications, REV.CHIM.,70, No. 4, Published: 2019, pag. 1302-1306, (108,41)** 74.1. Exploring the future of metallic implants: a review of biodegradable and non-biodegradable solutions, Ahmed, Y; Ankah, NK; (...); Farooq, W, Dec 2024 (Early Access), CORROSION REVIEWS **20/7=2,85** 74.2. Calcium hydroxide nanoparticles synthesized with medicinal plants extract as surface coating for titanium alloy bone implants using a simple method: Characterization and biomechanical evaluation, AlNatheer, Y; Devanesan, S; (...); Seif, SA, Jun 2024, BIOCATALYSIS AND AGRICULTURAL BIOTECHNOLOGY 58 **20/7=2,85** 74.3. Fabrication, microstructure and properties of 10Ti-5 Nb-1Sn biomedical β titanium alloy with low elastic modulus and high strength-ductility synergy, Yang, F; Liu, P; (...); Xie, JP, Jun 2024, MATERIALS TODAY COMMUNICATIONS 39 **20/7=2,85** 74.4. Processing and characterization of beryllium free Ni-Cr-Mo biomaterial doped with cerium, boron and titanium for dental applications Haider, A; Jaffery, SHI; (...); Jing, XB, May-jun 2024, JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T 30 , pp.7495-7509 **30/7=4,29** 74.5. Effect of milling time on structural, mechanical and tribological properties of nanostructured HIPed near type Ti-15Mo alloys Toualbia, K; Fellah, M; (...); Djafia, Z, Sep 2024, TRIBOLOGY INTERNATIONAL 197 **30/7=4,29** 74.6. Advances and significances of titaniumin dental implant applications, Hossain, N; Islam, MA; (...); Hossain, H, Jan 2024, RESULTS IN CHEMISTRY 7, **20/7=2,85** 74.7. The Effect of Solution Treatment Duration on the Microstructural and Mechanical Properties of a Cold-Deformed-by-Rolling Ti-Nb-Zr-Ta-Sn-Fe Alloy, Cojocaru, VD; Serban, N; (...); Galbinasu, BM, Feb 2024, MATERIALS 17 (4) **20/7=2,85** 74.8. Biomechanical analysis of partial mandibular implants with various lattice designs of different material properties: In vitro study and finite element analysis, Zhang, H; Fuh, LJ; (...); Huang, HL, 2024, INTERNATIONAL JOURNAL OF BIOPRINTING 10 (6) , pp.567-581 **30/7=4,29** 74.9. A functionally graded gyroid-type three-periodic minimal surface framework applied to implant-supported fixed complete dentures Ren, JW; Huang, RK; (...); Yang, YW, 2024, INTERNATIONAL JOURNAL OF BIOPRINTING 10 (5) , pp.256-275 **30/7=4,29** 74.10. Oxygen Uptake of Ti6Al4V during Direct Metal Deposition Process, Keller, D; Monney, A; (...); Benedetti, M, Jan 2024, METALS 14 (1) **20/7=2,85** 74.11. TWIP-assisted Zr alloys for medical applications: Design strategy, mechanical properties and first biocompatibility assessment Tang, JH; Yang, HT; (...); Sun, F, Jun 10 2024, JOURNAL OF MATERIALS SCIENCE & TECHNOLOGY 184 , pp.32-42 **30/7=4,29** 74.12. Biocompatibility Testing for Implants: A Novel Tool for Selection and Characterization, Al-Zyoud, WA; Haddadin, D; (...); Kanoun, O Nov 2023, MATERIALS 16 (21) **20/7=2,85** 74.13. Investigation and production of non-cytotoxic TixNbxSn (x = 5,10,15,20) alloys by high-energy mechanical milling with antibacterial activity, Batibay, AB; Erci, F; (...); Evcin, A, Dec 2023, MATERIALS TODAY COMMUNICATIONS 37 **20/7=2,85**		

Structura activităţii	Restricţii Prof	Punctaj
74.14. Skeletal and dentoalveolar effects of different types of microimplant-assisted rapid palatal expansion, Choi, HY; Lee, SM; (...); Chung, DH, Jul 2023, KOREAN JOURNAL OF ORTHODONTICS 53 (4) , pp.241-253 **20/7=2,85** 74.15. Influence of Aluminum and Copper on Mechanical Properties of Biocompatible Ti-Mo Alloys: A Simulation-Based Investigation Ashkani, O; Tavighi, MR; (...); Rezayat, M, May 20 2023, MICROMACHINES 14 (5) **20/7=2,85** 74.16. Influence of a Composite Polylysine-Polydopamine-Quaternary Ammonium Salt Coating on Titanium on Its Ostogenic and Antibacterial Performance, Xing, L; Song, HY; (...); Xu, J, May 16 2023, MOLECULES 28 (10) **20/7=2,85** 74.17. Promoting Osseointegration of New Innocuous Ti-18Zr-13Mo Implant Through Constructing Hierarchically Structured Bioactive Coating, Cai, BY; Yuan, DL; (...); Guo, ZJ, Nov 2023, METALS AND MATERIALS INTERNATIONAL 29 (11) , pp.3402-3417 **20/7=2,85** 74.18. The Clinical Use of Osteobiologic and Metallic Biomaterials in Orthopedic Surgery: The Present and the Future, Choi, SR; Kwon, JW; (...); Lee, BH, May 10 2023, MATERIALS 16 (10) **20/7=2,85** 74.19. Surface Modification Techniques for Metallic Biomedical Alloys: A Concise Review, Author(s): Omarov, S (Omarov, Salikh); Nauryz, N (Nauryz, Nurlan); Talamona, D (Talamona, Didier); Perveen, A (Perveen, Asma), Source: METALS Volume: 13 Issue: 1 Article Number: 82 DOI: 10.3390/met13010082 Published: JAN 2023 **20/7=2,85** 74.20. Biomaterials in Orthopedic Devices: Current Issues and Future Perspectives, Author(s): Filip, N (Filip, Nina); Radu, I (Radu, Iulian); Veliceasa, B (Veliceasa, Bogdan); Filip, C (Filip, Cristiana); Pertea, M (Pertea, Mihaela); Clim, A (Clim, Andreea); Pinzariu, AC (Pinzariu, Alin Constantin); Drochioi, IC (Drochioi, Ilie Cristian); Hilitanu, RL (Hilitanu, Remus Lucian); Serban, IL (Serban, Ionela Lacramioara) Source: COATINGS Volume: 12 Issue: 10 Article Number: 1544 DOI: 10.3390/coatings12101544 Published: OCT 2022 **20/7=2,85** 74.21. Experimental assessment of low-temperature martensite transformations in Ni-rich polycrystalline Ni-Ti alloys Author(s): Moreno-Gobbi, A (Moreno-Gobbi, Ariel); Jr, PSS (Silva Jr, Paulo Sergio); Correa, DRN (Correa, Diego Rafael Nespeque); Mila, AM (Mila, Alfredo Maso); Chaves, JAM (Chaves, Javier Andres Munoz); Grandini, CR (Grandini, Carlos Roberto); dos Santos, RFM (dos Santos, Rafael Formenton Macedo); Afonso, CRM (Afonso, Conrado Ramos Moreira), Source: JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T Volume: 18 Pages: 4990-5004 DOI: 10.1016/j.jmrt.2022.04.096 Early Access Date: MAY 2022 Published: MAY-JUN 2022 **30/7=4,29** 74.22. Evolution of Microstructural and Mechanical Properties during Cold-Rolling Deformation of a Biocompatible Ti-Nb-Zr-Ta Alloy Author(s): Dan, A (Dan, Alexandru); Angelescu, ML (Angelescu, Mariana Lucia); Serban, N (Serban, Nicolae); Cojocaru, EM (Cojocaru, Elisabeta Mirela); Zarnescu-Ivan, N (Zarnescu-Ivan, Nicoleta); Cojocaru, VD (Cojocaru, Vasile Danut); Galbinasu, BM (Galbinasu, Bogdan Mihai), Source: MATERIALS Volume: 15 Issue: 10 Article Number: 3580 DOI: 10.3390/ma15103580 Published: MAY 2022 **20/7=2,85** 74.23. Surface Integrity and Biological Response of Ti-Alloy Implants after Surface Modification, Author(s): Singh, V (Singh, Vijender); Katyal, P (Katyal, Puneet); Kumar, K (Kumar, Kamal); Kumar, R (Kumar, Rajender), Source: MATERIALS TODAY-PROCEEDINGS Volume: 56 Special Issue: SI Pages: 2451-2468 DOI: 10.1016/j matpr.2021.08.235 Early Access Date: APR 2022 Part: 5 Published: 2022 Accession Number: WOS:000797652000006 **5/7=0,71** 74.24. Micro-scaled morphology of Ti-40Nb-xZr alloy with applied voltage via plasma electrolytic oxidation, Author(s): Cho, HR (Cho, Hye-Ri); Choe, HC (Choe, Han-Cheol), Source: THIN SOLID FILMS Volume: 751 Article Number: 139231 DOI: 10.1016/j.tsf.2022.139231 Early Access Date: APR 2022 Published: JUN 1 2022 **20/7=2,85** 74.25. Biocompatible Coating on Micro-structured Titanium Implants with Enhanced Osteogenesis to Facilitate Bone-implant Integration Author(s): Wu, JN (Wu, Jiannan); Yang, J (Yang, Jing); Wang, YY (Wang, Yanying); Wang, YD (Wang, Yanduo); Yu, HY (Yu, Haiyang); Han, J (Han, Jing); Zhang, J (Zhang, Jian), Source: CHEMISTRYSELECT Volume: 7 Issue: 12 Article Number: e202103540 DOI: 10.1002/slct.202103540 Published: MAR 29 2022 **20/7=2,85**		

Structura activităţii	Restricţii Prof	Punctaj
74.26. Biodegradable Magnesium Biomaterials-Road to the Clinic, Author(s): Amukarimi, S (Amukarimi, Shukufe); Mozafari, M (Mozafari, Masoud), Source: BIOENGINEERING-BASEL Volume: 9 Issue: 3 Article Number: 107 DOI: 10.3390/bioengineering9030107 Published: MAR 2022 **30/7=4,29** 74.27. Effects of Cold Rolling Deformation and Solution Treatment on Microstructural, Mechanical, and Corrosion Properties of a Biocompatible Ti-Nb-Ta-Zr Alloy, Author(s): Angelescu, ML (Angelescu, Mariana Lucia); Dan, ALXD (Dan, Alexandru); Ungureanu, E (Ungureanu, Elena); Zarnescu-Ivan, N (Zarnescu-Ivan, Nicoleta); Galbinasu, BM (Galbinasu, Bogdan Mihai) Source: METALS Volume: 12 Issue: 2 Article Number: 248 DOI: 10.3390/met12020248 Published: FEB 2022 **20/7=2,85** 74.28. CONTACT STRESS SIMULATION FOR MG-0.5CA-xMN ALLOYS USED FOR MEDICAL APPLICATION Author(s): Nastasa, RO (Nastasa, R. O.); Tufescu, A (Tufescu, A.); Munteanu, C (Munteanu, C.); Istrate, B (Istrate, B.); Przybyl, A (Przybyl, A.); Tanus, G (Tanus, G.), Source: ARCHIVES OF METALLURGY AND MATERIALS Volume: 67 Issue: 2 Pages: 405-408 DOI: 10.24425/amm.2022.137771 Published: 2022 **10/7=1,42** 74.29. A state-of-the-art review of the fabrication and characteristics of titanium and its alloys for biomedical applications, Author(s): Sarraf, M (Sarraf, Masoud); Ghomi, ER (Rezvani Ghomi, Erfan); Alipour, S (Alipour, Saeid); Ramakrishna, S (Ramakrishna, Seeram); Sukiman, NL (Liana Sukiman, Nazatul), Source: BIO-DESIGN AND MANUFACTURING Volume: 5 Issue: 2 Pages: 371-395 DOI: 10.1007/s42242-021-00170-3 Early Access Date: OCT 2021 Published: APR 2022 **30/7=4,29** 74.30. Antimicrobial activity of Salvia officinalis against Streptococcus mutans causing dental implant failure: An in vitro study Author(s): Ntondini, S (Ntondini, Sinazo); Lenetha, G (Lenetha, Gaofetoge); Dzogbewu, T (Dzogbewu, Thywill) Source: JOURNAL OF INTERNATIONAL ORAL HEALTH Volume: 13 Issue: 5 Pages: 499-507 DOI: 10.4103/JIOH.JIOH_26_21 Published: SEP-OCT 2021 **5/7=0,71** 74.31. Effect of Y on Formation of Hard Magnetic Phases in Fe-Matrix Alloys, Author(s): Jez, B (Jez, B.); Loch, KB (Loch, K. B.); Gondro, J (Gondro, J.); Jez, K (Jez, K.); Talar, M (Talar, M.); Pietrusiewicz, P (Pietrusiewicz, P.); Walters, S (Walters, S.); Kalwik, A (Kalwik, A.); Halin, DSC (Halin, D. S. Che); Sikora, P (Sikora, P.); Nabialek, M (Nabialek, M.), Source: ACTA PHYSICA POLONICA A Volume: 139 Issue: 5 Pages: 495-498 DOI: 10.12693/APhysPolA.139.495 Published: MAY 2021 **10/7=1,42** 74.32. Structural and morphological characterization of Ti6Al4V alloy surface functionalization based on Nb2O5 thin film for biomedical applications, Author(s): Bino, MCD (de Almeida Bino, Miriam Cristina); Euridice, WA (Euridice, Washington Alves); Gelamo, RV (Gelamo, Rogerio Valentim); Leite, NB (Leite, Natalia Bueno); da Silva, MV (da Silva, Marcos Vinicius); de Siervo, A (de Siervo, Abner); Pinto, MR (Pinto, Marcelo Rodrigues); Buranello, PAD (de Almeida Buranello, Patricia Andressa); Moreto, JA (Moreto, Jeferson Aparecido) Source: APPLIED SURFACE SCIENCE Volume: 557 Article Number: 149739 DOI: 10.1016/j.apsusc.2021.149739 Early Access Date: APR 2021 Published: AUG 15 2021 **20/7=2,85** 74.33. Effects of thermal treatments on the microstructures and mechanical properties of Ti-5Nb-5Mo alloys, By: Hsu, Hsueh-Chuan; Wu, Shih-Ching; Su, Yang-Jhe; et al., MATERIALS TODAY COMMUNICATIONS Volume: 26 Article Number: 102059 Published: MAR 2021; **20/7=2,85** 74.34. A theoretical approach to the structural, elastic and electronic properties of Ti8-xV4-yMox+y+zAl4-z lightweight shape memory alloys for biomaterial implant applications, By: Soykan, C., Conference: 12th International Symposium on Hysteresis Modeling and Micromagnetics (HMM) Location: Heraklion, GREECE Date: MAY 19-22, 2019, Sponsor(s): Univ Crete; Fdn Res & Technol Greece, PHYSICA B-CONDENSED MATTER Volume: 598 Article Number: 412416 Published: DEC 1 2020; **15/7=2,14** 74.35. Physical Phenomena Occurring in Modeled Cardiac Stent during Decompression Using Numerical Analysis By: Sliwa, A.; Bialas, O., Conference: Scientific Conference on Applications of Physics in Mechanical and Material Engineering (APMME) Location: Czestochowa, POLAND Date: JAN 17, 2020, Sponsor(s): Czestochowa Univ Technol, Fac Mech Engn & Comp Sci, Dept		

Structura activităţii	Restricţii Prof	Punctaj
Mechan & Machine Design Fundamentals, ACTA PHYSICA POLONICA A Volume: 138 Issue: 2 Pages: 133-135 Published: AUG 2020; **10/7=1,42** 74.36. Sustainable recycling of titanium scraps and purity titanium production via molten salt electrolysis, By: Jiao, Handong; Song, Wei-Li; Chen, Haosen; et al., JOURNAL OF CLEANER PRODUCTION Volume: 261 Article Number: 121314 Published: JUL 10 2020; **30/7=4,28** 74.37. Electrochemical Evaluation of Some Mg-Ca-Mn-Zr Biodegradable Alloys, By: Istrate, Bogdan; Munteanu, Corneliu; Chelariu, Romeu; et al., REVISTA DE CHIMIE Volume: 70 Issue: 9 Pages: 3435-3440 Published: SEP 2019; **15/7=2,14** **75. Burduhos Nergis, D.D., Vizureanu, P., Corbu, O., Synthesis and Characteristics of Local Fly Ash Based Geopolymers Mixed with Natural Aggregates, REV.CHIM., Volume: 70, Issue: 4, Pages: 1262-1267, Published: 2019, (136,59)** 75.1. Development of sustainable geopolymer concrete by synergistic utilization of jarosite and GGBS, Pandiyan, T and Solaiyan, E Nov 1 2024, MATERIALS RESEARCH EXPRESS 11 (11) **15/3=5,00** 75.2. Phase identification and micromechanical properties of non-traditional and natural pozzolan based alkali-activated materials Arachchige, RM; Olek, J; (...); Peethamparan, S., Aug 30 2024, CONSTRUCTION AND BUILDING MATERIALS 441 **30/3=10,00** 75.3. Novel Superadsorbent from Pozzolan-Charcoal based Geopolymer Composite for the Efficient Removal of Aqueous Crystal Violet Mboka, JM; Tamaguelon, HD; (...); Dina, DJD, Jun 2024, WATER AIR AND SOIL POLLUTION 235 (6) **20/3=6,66** 75.4. Experimental study of microwave heating on mechanical properties of fly ash-based cementitious materials, Li, T; Yue, ZH; (...); Chen, GB, Apr 15 2024, JOURNAL OF BUILDING ENGINEERING 83 **30/3=10,00** 75.5. Potential of Tanzanian natural pozzolans as geopolymer cement for oil and gas wellbore integrity, Patrick, NL; Madirisha, MM and Mtei, RP, Mar 8 2024, CONSTRUCTION AND BUILDING MATERIALS 418 **30/3=10,00** 75.6. Characterization, factors, and fractal dimension of pore structure of fly ash-based geopolymers, Yang, YW; Wang, BW; (...); Peng, H Sep-oct 2023, JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T 26 , pp.3395-3407 **30/3=10,00** 75.7. Research on the Performance of Calcium Carbide Slag-Fly Ash Stabilized Soil, Cai, YX; Zang, ZS; (...); Huang, QL, Aug 24 2023 ADVANCES IN CIVIL ENGINEERING 2023 **15/3=5,00** 75.8. A literature review of the latest trends and perspectives regarding alkali-activated materials in terms of sustainable development Slosarczyk, A; Fort, J; (...); Cerny, R, Jul-aug 2023, JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T 25 , pp.5394-5425 **30/3=10,00** 75.9. Experimental study of improved cement silicate grouting material for broken surrounding rock, Li, T; Yue, ZH; (...); Chen, GB Sep 1 2023, JOURNAL OF BUILDING ENGINEERING 74 **30/3=10,00** 75.10. Study on the Possibilities of Developing Cementitious or Geopolymer Composite Materials with Specific Performances by Exploiting the Photocatalytic Properties of TiO2 Nanoparticles, Hegyi, A; Lazarescu, AV; (...); Stoian, V, May 15 2023, MATERIALS 16 (10) **20/3=6,66** 75.11. The Influence of Blast Furnace Slag on Cement Concrete Road by Microstructure Characterization and Assessment of Physical-Mechanical Resistances at 150/480 Days, Nicula, LM; Manea, DL; (...); Dragomir, ML, Apr 24 2023, MATERIALS 16 (9) **20/3=6,66** 75.12. Eco-Efficiency Assessment Utilizing Recycled Glass Aggregate in Concrete, Dynan, D; Shaikh, F; (...); Biswas, WK Apr 2023, BUILDINGS 13 (4) **20/3=6,66**		

Structura activităţii	Restricţii Prof	Punctaj
75.13. PROPERTIES AND MORPHOLOGY OF FLY ASH BASED ALKALI ACTIVATED MATERIAL (AAM) PASTE UNDER STEAM CURING CONDITION, Abd Razak, R; Izman, SNSS; (...); Mohamed, R, 2023, ARCHIVES OF METALLURGY AND MATERIALS 68 (2) , pp.785-789 **10/3=3,33** 75.14. Development of Geopolymer Foam Concrete Incorporating Sugarcane Bagasse Ash and Fly Ash; 100% Recycled and Cement-Less Concrete Author(s): Aziz, I (Aziz, Ibrar); Ul Hassan, MI (Ul Hassan, Muhammad Irfan); Ul Haq, E (Ul Haq, Ehsan); Abbass, W (Abbass, Wasim) Source: ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING DOI: 10.1007/s13369-022-07511-z Early Access Date: DEC 2022 **20/3=6,66** 75.15. Research on Cement Slurry Using Silica Fume Instead of Fly Ash Author(s): Wu, Y (Wu, Yue); Qiao, WG (Qiao, Wei-Guo); Li, YZ (Li, Yan-Zhi); Liu, HN (Liu, Hui-Ni); Tang, C (Tang, Chao); Zhang, S (Zhang, Shuai); Zhang, XL (Zhang, Xiao-Li); Lu, JG (Lu, Ji-Gang); Chen, PC (Chen, Peng-Cheng) Source: MATERIALS Volume: 15 Issue: 16 Article Number: 5626 DOI: 10.3390/ma15165626 Published: AUG 2022 **20/3=6,66** 75.16. State of the art of geopolymers: A review uthor(s): Castillo, H (Castillo, Hengels); Collado, H (Collado, Humberto); Droguett, T (Droguett, Thomas); Vesely, M (Vesely, Mario); Garrido, P (Garrido, Pamela); Palma, S (Palma, Sergio) Source: E-POLYMERS Volume: 22 Issue: 1 Pages: 108-124 DOI: 10.1515/epoly-2022-0015 Published: JAN 10 2022 **20/3=6,66** 75.17. Influence TiO2 Nanoparticles Addition on the Physico-Mechanical Performances of Micro-concrete Author(s): Grebenisan, E (Grebenisan, Elvira); Hegyi, A (Hegyi, Andreea); Lazarescu, AV (Lazarescu, Adrian-Victor); Szilagyi, H (Szilagyi, Henriette); Florean, C (Florean, Carmen), Edited by: Moldovan L; Gligor A, Source: 15TH INTERNATIONAL CONFERENCE INTERDISCIPLINARITY IN ENGINEERING Book Series: Lecture Notes in Networks and Systems Volume: 386 Pages: 166-181 DOI: 10.1007/978-3-030-93817-8_17 Published: 2022 **5/3= 1,66** 75.18. Title: THE INVESTIGATION OF GROUND GRANULATED BLAST FURNACE SLAG GEOPOLYMER AT HIGH TEMPERATURE BY USING ELECTRON BACKSCATTER DIFFRACTION ANALYSIS Author(s): Aziz, IH (Aziz, Ikmal Hakem); Abdullah, MMA (Abdullah, Mohd Mustafa Al Bakri); Salleh, MAAM (Salleh, Mohd Arif Anuar Mohd); Yoriya, S (Yoriya, Sorachon); Abd Razak, R (Abd Razak, Rafiza); Mohamed, R (Mohamed, Rosnita); Baltatu, MS (Baltatu, Madalina Simona), Source: ARCHIVES OF METALLURGY AND MATERIALS Volume: 67 Issue: 1 Pages: 227-231 DOI: 10.24425/amm.2022.137494 Published: 2022 **10/3=3,33** 75.19. Factors Affecting the Compressive Strength of Geopolymers: A Review, Author(s): Castillo, H (Castillo, Hengels); Collado, H (Collado, Humberto); Droguett, T (Droguett, Thomas); Sanchez, S (Sanchez, Sebastian); Vesely, M (Vesely, Mario); Garrido, P (Garrido, Pamela); Palma, S (Palma, Sergio), Source: MINERALS Volume: 11 Issue: 12 Article Number: 1317 DOI: 10.3390/min11121317 Published: DEC 2021 **20/3=6,66** 75.20. Influence of TiO2 Nanoparticles on the Resistance of Cementitious Composite Materials to the Action of Fungal Species Author(s): Hegyi, A (Hegyi, Andreea); Grebenisan, E (Grebenisan, Elvira); Lazarescu, AV (Lazarescu, Adrian-Victor); Stoian, V (Stoian, Vlad); Szilagyi, H (Szilagyi, Henriette), Source: MATERIALS Volume: 14 Issue: 16 Article Number: 4442 DOI: 10.3390/ma14164442 Published: AUG 2021 **20/3=6,66** 75.21. Total Core Losses of Fe70Y5NbxMo5-xB20 Bulk Amorphous Fe-Based Alloys, Author(s): Nabialek, M (Nabialek, M.); Walters, S (Walters, S.); Bloch, K (Bloch, K.); Jez, K (Jez, K.); Talar, M (Talar, M.); Sallehm, MAAM (Sallehm, M. A. A. Mohd); Halin, DSC (Halin, D. S. Che); Jez, B (Jez, B.), Source: ACTA PHYSICA POLONICA A Volume: 139 Issue: 5 Pages: 503-505 DOI: 75.12693/APhysPolA.139.503 Published: MAY 2021 **10/3=3,33** 82.22. Bond-slip Behavior of Geopolymer Concrete after Exposure to Elevated Temperatures, Author(s): Mathew, G (Mathew, George); Sureshbabu, N (Sureshbabu, N.), Source: JORDAN JOURNAL OF CIVIL ENGINEERING Volume: 15 Issue: 4 Pages: 570-585 Published: 2021 **5/3= 1,66**		

Structura activităţii	Restricţii Prof	Punctaj
76. Focsaneanu S.C., **Vizureanu P.**, Sandu A.V., Ciobanu G., Baltatu S.M., Vlad D., Experimental Study on the Influence of Zirconia Surface Preparation on Deposition of Hydroxyapatite, Revista de Chimie, vol. 70, nr.6, Published: 2019, pp. 2273-2275 **(6,66)** 76.1. Synthesis and Characterization of Zirconia-Silica PMMA Nanocomposite for Endodontic Implants, Widodo, P; Mulyawan, W; (...); Joni, IM, Mar 2023, DENTISTRY JOURNAL 11 (3) **20/6=3,33** 76.2. Surface Characterization of Current Dental Ceramics Using Scanning Electron Microscopic and Atomic Force Microscopic Techniques, Kaczmarek, K; Konieczny, B; (...); Lapinska, B. , Aug 2022, COATINGS 12 (8) **20/6=3,33** **77. Sandu A.V., Baltatu M.S., Nabialek M., Savin A., Vizureanu P., Characterization and Mechanical Proprieties of New TiMo Alloys Used for Medical Applications, Materials Published: 2019, 12(18), 2973. (106,00)** 77.1. Effect of milling time on structural, mechanical and tribological properties of nanostructured HIPed near type Ti-15Mo alloys Toualbia, K; Fellah, M; (...); Djafia, Z, Sep 2024, TRIBOLOGY INTERNATIONAL 197 **30/5=6,00** 77.1. INFLUENCE OF THE COOLING RATE ON THE HETEROGENEITY OF THE STRUCTURE IN THE RAPID QUENCHED FE - BASED ALLOYS WITH THE Si ADDITION, Jez, B., 2024, ARCHIVES OF METALLURGY AND MATERIALS 69 (1) , pp.231-235 **10/5=2,00** 77.2. Mechanical Characteristics and Corrosion Behavior of Two New Titanium Alloys, Voiculescu, I; Brito-Garcia, SJ; (...); Mirza-Rosca, J Oct 2023, METALS 13 (10) **20/5=4,00** 77.3. First-principles study on Boron-doped MgF2-XBX (x=0.0 and 1.0) and F defected MgF1 for anti-reflective coatings in spectacle lenses Soykan, FK and Soykan, C., Aug 1 2023, RESULTS IN SURFACES AND INTERFACES 12 **5/5=1,00** 77.4. Functionally graded materials for knee and hip arthroplasty; an update on design, optimization, and manufacturing Najibi, A and Mokhtari, T, Oct 15 2023, COMPOSITE STRUCTURES 322 **30/5=6,00** 77.5. Environmental sustainability in construction: Influence of Megaterium Bacteria on the durability and mechanical properties of concrete incorporating calcined clay, Shukla, A; Gupta, N; (...); Djavanroodi, F, Nov 4 2024, MECHANICS OF ADVANCED MATERIALS AND STRUCTURES 31 (25) , pp.6615-6627 **20/5=4,00** 77.6. Potential of titanium based alloys in the biomedical sector and their surface modification techniques: A review, Asad, M and Sana, M Dec 2023, PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE 237 (23) , pp.5503-5532 **15/5=3,00** 77.7. Modeling of Severe Plastic Deformation by HSHPT of As-Cast Ti-Nb-Zr-Ta-Fe-O Gum Alloy for Orthopedic Implant, Bîrsan, DC; Gurau, C; (...); Gurau, G., Apr 2023, MATERIALS 16 (8) **20/5=4,00** 77.8. A review on various phases and alloy design methods of β-Ti alloys for biomedical applications, Kanapaakala, G and Venkatesan, S Jul 2023, PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART L-JOURNAL OF MATERIALS-DESIGN AND APPLICATIONS 237 (7) , pp.1497-1515 **20/5=4,00** 77.9. Modification of structural, mechanical, corrosion and biocompatibility properties of Ti40Zr10Cu36Pd14 metallic glass by minor Ga and Sn additions, Lachová, A; Stoica, M; (...); Sovák, P, Apr 15 2023, JOURNAL OF ALLOYS AND COMPOUNDS 940 **30/5=6,00** 77.10. Effect of Different Contents of WC on Microstructure and Properties of NiCrMo Coatings Prepared by PTA, Yin, H; Song, WW; (...); Yin, CX, Oct 2022, COATINGS 12 (10) **20/5=4,00** 77.11. Strength of Fiber Posts with Experimental TiO2 and ZrO2 Particle Bonding-An SEM, EDX, Rheometric and Push-Out Strength Study Al-Saleh, S; Vohra, F; (...); Abduljabbar, T., Aug 2022, COATINGS 12 (8) **20/5=4,00**		

Structura activităţii	Restricţii Prof	Punctaj
77.12. A Review of Anodized TiNbSn Alloys for Improvement in Layer Quality and Application to Orthopedic Implants, Mori, Y; Masahashi, N and Aizawa, T, Aug 2022, MATERIALS 15 (15) **20/5=4,00** 77.13. Strontium-loaded titanium-15molybdenum surface improves physicochemical and biological properties in vitro, Matos, FG; Santana, LCL; (...); Cirelli, JA, Jul 1 2022, BIOMEDICAL PHYSICS & ENGINEERING EXPRESS 8 (4) **15/5=3,00** 77.14. Producing Ti5Mo-Fused Tracks and Layers via Laser Powder Bed Fusion, Dzogbewu, TC and Du Preez, WB, Jun 2022, METALS 12 (6) **20/5=4,00** 77.15. Effect of Structure and Hydrogen on the Short-Term Creep of Titanium Ti-2.9Al-4.5V-4.8Mo Alloy, Grabovetskaya, G; Mishin, I; (...); Zabudchenko, O, Jun 2022, MATERIALS 15 (11) **20/5=4,00** 77.16. Application of finite element analysis for optimizing selection and design of Ti-based biometallic alloys for fractures and tissues rehabilitation: a review, Alaneme, KK; Kareem, SA; (...); Ajibuwa, OA, Jul-aug 2022, JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T 19 , pp.121-139 **30/5=6,00** 77.17. Research on Underwater Wet Laser Self-Fusion Welding Process and Analysis of Microstructure and Properties of TC4 Titanium Alloy Weld Cai, ZH; Du, X; (...); Wang, HD, May 2022, MATERIALS 15 (9) **20/5=4,00** 77.18. Fabrication and Optimisation of Ti-6Al-4V Lattice-Structured Total Shoulder Implants Using Laser Additive Manufacturing Bittredge, O; Hassanin, H; (...); Ahmadein, M, May 2022, MATERIALS 15 (9) **20/5=4,00** 77.19. Research Progress on Metastable β-Titanium Alloys for Biomedical Applications, Sun, CC; Guo, ZJ; (...); Shen, BL, Mar 2022 RARE METAL MATERIALS AND ENGINEERING 51 (3) , pp.1111-1124**10/5=2,00** 77.20. The Influence of Thermomechanical Treatments on the Structure, Microstructure, and Mechanical Properties of Ti-5Mn-Mo Alloys Lourenço, ML; Pontes, FML and Grandini, CR, Mar 2022, METALS 12 (3) **20/5=4,00** 77.21. ANALYSIS OF THE CORROSION RATE OF FeMn-Si BIODEGRADABLE MATERIAL, Roman, AM; Chelariu, R; (...); Sodor, A 2022, ARCHIVES OF METALLURGY AND MATERIALS 67 (4) , pp.1243-1250 **10/5=2,00** 77.22. EROSION WEAR CHARACTERISTICS OF NOVEL AMMC PRODUCED USING POWDER METALLURGY Behera, RK; Samal, BP; (...); Abd Rahim, SZ, 2022, ARCHIVES OF METALLURGY AND MATERIALS 67 (3) , pp.1027-1032 **10/5=2,00** 77.23. OBTAINING AND ANALYZING THE Al2O3-ZrO2 CERAMIC LAYERS ON METALLIC SUBSTRATE, LUTCANU, M; COTEATA, M; (...); CIMPOESU, N, 2022, ARCHIVES OF METALLURGY AND MATERIALS 67 (2) , pp.479-485 **10/5=2,00** 77.24. "IN-VITRO" TESTS ON NEW BIODEGRADABLE METALLIC MATERIAL BASED ON ZnMgY, Panaghie, C; Cimpoesu, N; (...); Zegan, G, 2022, ARCHIVES OF METALLURGY AND MATERIALS 67 (2) , pp.587-594 **10/5=2,00** 77.25. Contact Guidance Effect and Prevention of Microfouling on a Beta Titanium Alloy Surface Structured by Electron-Beam Technology Ferraris, S; Warchomicka, F; (...); Spriano, S, Jun 2021, NANOMATERIALS 11 (6) **20/5=4,00** 77.26. A theoretical approach to the structural, elastic and electronic properties of Ti8-xV4-yMox+y+zAl4-z lightweight shape memory alloys for biomaterial implant applications, By: Soykan, C., Conference: 12th International Symposium on Hysteresis Modeling and Micromagnetics (HMM) Location: Heraklion, GREECE Date: MAY 19-22, 2019, Sponsor(s): Univ Crete; Fdn Res & Technol Greece PHYSICA B-CONDENSED MATTER Volume: 598 Article Number: 412416 Published: DEC 1 2020; **15/5=3,00** 77.27. Special Issue: Ti-Based Biomaterials: Synthesis, Properties and Applications, By: Jakubowicz, Jaroslaw, MATERIALS Volume: 13 Issue: 7 Article Number: 1696 Published: APR 2020; **20/5=4,00** 68.28. Investigation of Copper Alloying in a TNTZ-Cu-x Alloy, By: Fowler, Lee; Van Vuuren, Arno Janse; Goosen, William; et al. MATERIALS Volume: 12 Issue: 22 Article Number: 3691 Published: NOV 2 2019; **20/5=4,00**		

Structura activităţii	Restricţii Prof	Punctaj
78. Ming, L.Y., Sandu, A.V., Yong, H.C., Tajunnisa, Y., Azzahran, S.F., Bayuji, R., Abdullah, M.M.A., Vizureanu, P., Hussin, K., Jin, T.S., Loong, F.K., Compressive Strength and Thermal Conductivity of Fly Ash Geopolymer Concrete Incorporated with Lightweight Aggregate, Expanded Clay Aggregate and Foaming Agent, REVISTA DE CHIMIE, Volume: 70, Issue: 11, Pages: 4021-4028, Published: 2019, F.I.: 1,755. (35,78) 78.1. The Effect of Oil Additives on the Properties of Fly Ash-Based Foamed Geopolymers, Kozub, B; Dudek, J and Melnychuk, M Dec 2024, MATERIALS 17 (23) **20/11=1,81** 78.2. Durability Evaluation of GGBS-RHA-Based Geopolymer Concrete Along with Lightweight Expanded Clay Aggregate Using SEM Images and EDAX Analysis, Hema, P and Revathi, V, Nov 2024, BUILDINGS 14 (11) **20/11=1,81** 78.3. Application of Experimental Studies of Humidity and Temperature in the Time Domain to Determine the Physical Characteristics of a Perlite Concrete Partition, Szymczak-Graczyk, A; Gajewska, G; (...); Pawlak, T, Oct 2024, MATERIALS 17 (19) **20/11=1,81** 78.4. A scientometric review of the synthesis and application of expanded clay aggregate in cementitious composites Khan, SA; Hussain, F; (...); Khushnood, RA, Jul 26 2024, CONSTRUCTION AND BUILDING MATERIALS 437 **30/11=2,72** 78.5. The effect of lightweight geopolymer concrete containing air agent on building envelope performance and internal thermal comfort Mostafa, SA; Agwa, IS; (...); Hassan, AMS, Jul 2024, CASE STUDIES IN CONSTRUCTION MATERIALS 20 **30/11=2,72** 78.6. Assessment of mechanical and durability properties of FA-GGBS based lightweight geopolymer concrete Rawat, R and Pasla, D., May 3 2024, CONSTRUCTION AND BUILDING MATERIALS 426 **30/11=2,72** 78.7. Engineering Properties and Micropore Structure of Clay-Based Foamed Lightweight Soil, Lu, Z; Zhao, Y; (...); Zhang, R Mar 1 2024, JOURNAL OF MATERIALS IN CIVIL ENGINEERING 36 (3) **20/11=1,81** 78.8. FIBREGLASS REINFORCEMENT INFLUENCE ON THE MECHANICAL BEHAVIOUR OF AN ABS- PMMA- FIBREGLASS COMPOSITE MATERIAL, Platon, MA and Nemes, O., 2024, ARCHIVES OF METALLURGY AND MATERIALS 69 (4) , pp.1637-1642 **10/11=0,90** 78.9. Preparation and characterization of silica aerogel foam concrete: Effects of particle size and content, Li, Z; Wang, GC; (...); Wu, XX Apr 1 2024, JOURNAL OF BUILDING ENGINEERING 82 **30/11=2,72** 78.10. Development of eco-friendly foamed concrete with waste glass sheet powder for mechanical, thermal, and durability properties enhancement, Maglad, AM; Mydin, MAO; (...); Mostafa, SA., Dec 1 2023, JOURNAL OF BUILDING ENGINEERING 80 **30/11=2,72** 78.11. Strong, lightweight, thermally stable, and hydrophobic sustainable structural composites produced from coal-based waste and polymer-derived SiOC ceramics, Eterigho-Ikelegbe, O; Ricohermoso, ER; (...); Bada, S., Nov 2023, CLEAN TECHNOLOGIES AND ENVIRONMENTAL POLICY 25 (9) , pp.2865-2884 **20/11=1,81** 78.12. Enhancement of mechanical properties of oil well cement by nano-SiO2/h-BN, Yun, JQ; Zhao, C; (...); Liu, BC Oct 1 2023, JOURNAL OF BUILDING ENGINEERING 76 **30/11=2,72** 78.13. Development of Foam Fly Ash Geopolymer with Recycled High-Density Polyethylene (HDPE) Plastics Atienza, EM; De Jesus, RM and Ongpeng, JMC, May 23 2023, POLYMERS 15 (11) **20/11=1,81** 78.14. Influence of Variable Moisture Conditions on the Value of the Thermal Conductivity of Selected Insulation Materials Used in Passive Buildings, Szymczak-Graczyk, A; Gajewska, G; (...); Kostrzewski, W., Apr 2022, ENERGIES 15 (7) **20/11=1,81** 78.15. Engineering Properties and Applications of Air-Foamed Lightweight Soil, Yuan, XZ; Lu, Z; (...); Gao, YP Jan 21 2022, ADVANCES IN MATERIALS SCIENCE AND ENGINEERING 2022 **20/11=1,81** 78.16. Degradation mechanism and life prediction of tailings and waste rock aggregate geopolymer concrete under freeze-thaw corrosion Sun, Q; Li, BT; (...); Wang, YT, Jan 1 2022, MATERIALS RESEARCH EXPRESS 9 (1) **15/11=1,36**		

Structura activităţii	Restricţii Prof	Punctaj
78.17. Synthesis of kaolin-based alkali-activated cement: carbon footprint, cost and energy assessment, By: Ababneh, Ayman; Matalkah, Faris; Aqel, Ruba, JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T Volume: 9 Issue: 4 Pages: 8367-8378 Published: JUL-AUG 2020; **30/11=2,72** **79. Savinkin, V.V., Vizureanu, P., Sandu, A.V., Ratushnaya, T.Y., Ivanischev, A.A., Surleva, A., Improvement of the Turbine Blade Surface Phase Structure Recovered by Plasma Spraying, COATINGS, Volume: 10, Issue: 1, Article Number: 62, Published: 2020 (13,32)** 79.1. Improving the strength-ductility synergy and surface properties of NiFe29Cr21CuMo-based alloy laser welding subsequent deep cryogenic treatment and vacuum plasma WC20Cr3C2NiX coating, Muthusamy, A; Saravanan, M and Selvabharathi, R Nov 2024 (Early Access), PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART E-JOURNAL OF PROCESS MECHANICAL ENGINEERING **20/6=3,33** 79.2. Analysis of the Surface Stereometry of Alloyed Austenitic Steel after Fibre Laser Cutting using Confocal Microscopy Krajewski, SJ; Grochala, D; (...); Grzejda, R., Jan 2023, COATINGS 13 (1) **20/6=3,33** 79.3. Numerical Calculation of the Arc-Sprayed Particles' Temperature in Transient Thermal Field, Toma, SL; Chicet, DL and Cazac, AM Jul 2022, COATINGS 12 (7) **20/6=3,33** 79.4. Health and Durability of Protective and Thermal Barrier Coatings Monitored in Service by Visual Inspection, Szczepankowski, A; Przysowa, R; (...); Kulaszka, A, May 2022, COATINGS 12 (5) **20/6=3,33** **80. Nergis, D.D.B., Abdullah, M.M.A., Sandu, A.V., Vizureanu, P., XRD and TG-DTA Study of New Alkali Activated Materials Based on Fly Ash with Sand and Glass Powder, MATERIALS, Volume: 13, Issue: 2, Article Number: 343, Published: 2020 (329,9)** 80.1. NIR luminescence properties of Nd3+ion doped glasses medium based on Huta Ginjang quartz sand, Rajagukguk, J; Simamora, P; (...); Kaewkhao, J, Apr 2025, RADIATION PHYSICS AND CHEMISTRY 229 **20/4=5,00** 80.2. High-temperature performance of clay-enhanced alkali-activated binders: A sustainable alternative to Portland cement, Pacios, A; Tejado, E; (...); Pastor, JY, Nov 29 2024, CONSTRUCTION AND BUILDING MATERIALS 453 **30/4=7,50** 80.3. Development of sustainable geopolymer concrete by synergistic utilization of jarosite and GGBS, Pandiyan, T and Solaiyan, E Nov 1 2024, MATERIALS RESEARCH EXPRESS 11 (11) **15/4=3,75** 80.4. LC3 cementitious binder incorporating microencapsulated phase change materials for self-defrosting traffic surfaces, Kabay, N; Miyan, N; (...); Nehdi, ML, Nov 8 2024, CONSTRUCTION AND BUILDING MATERIALS 450 **30/4=7,50** 80.5. Chemical and Physical Characterization of Three Oxidic Lithological Materials for Water Treatment, Prato, JG; Millán, F; (...); Dávalos, GE, Sep 2024, SUSTAINABILITY 16 (18) **20/4=5,00** 80.6. Effect of waste glass powder on the durability and microstructural properties of fly ash-GGBS based alkali activated concrete containing 100 % recycled concrete aggregate, Singh, RP and Mohanty, B, Oct 11 2024, CONSTRUCTION AND BUILDING MATERIALS 447 **30/4=7,50** 80.7. Utilization of eggshell powder in one-part alkali-activated metakaolin based binder, Omur, T; Miyan, N and Kabay, N., Sep 27 2024, CONSTRUCTION AND BUILDING MATERIALS 445 **30/4=7,50** 80.8. Innovative use of hazelnut shell ash as an alkali activator: A comparative analysis with commercial activators, Omur, T; Kanat, D and Kabay, N, Aug 1 2024, JOURNAL OF BUILDING ENGINEERING 90 **30/4=7,50** 80.9. Effect of KOH- and NaOH-modified fly ash on the adsorption of methylene blue and crystal violet dyes: a Box-Behnken design study		

Structura activităţii	Restricţii Prof	Punctaj
Kücük, I., Jul 2024 (Early Access), INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY **20/4=5,00** 80.10. Microstructural Analysis of Low-Calcium Fly Ash-Based Geopolymer Concrete with Different Ratios of Activator and Binder Under High Temperatures, Kucukgoncu, H and Özbayrak, A, Jun 2024 (Early Access), ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING **20/4=5,00** 80.11. Valorisation of coffee husk as replacement of sand in alkali-activated bricks, Biswas, S; Hossiney, N; (...); Kumar, SL Dec 2024, CASE STUDIES IN CONSTRUCTION MATERIALS 21 **30/4=7,50** 80.12. Thermal behavior of coal fly ash geopolymers: structural analysis supported by molecular dynamics and machine learning methods Krol, M; Stoch, P; (...); Mozgawa, W, May 2024, JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY 149 (10) , pp.4397-4409 **20/4=5,00** 80.13. Combined Potential of Quarry Waste Fines and Eggshells for the Hydrothermal Synthesis of Tobermorite at Varying Cement Content Saldia, S; Bacosa, H; (...); Amparado, R Jr, Mar 2024, SUSTAINABILITY 16 (6) **20/4=5,00** 80.14. Effect of Different Ceramic Waste Powder on Characteristics of Fly Ash-Based Geopolymer, Herbudiman, B; Subari, S; (...); Roseno, S , Feb 2024, CIVIL ENGINEERING JOURNAL-TEHRAN 10 (2) , pp.431-443 **20/4=5,00** 80.15. Evaluation of Mechanical and Microstructural Properties of Engineered Geopolymer Composites with Construction and Demolition Waste-Based Matrices, Kul, A; Ozcelikci, E; (...); Demir, I, Jan 1 2024, JOURNAL OF MATERIALS IN CIVIL ENGINEERING 36 (1) **20/4=5,00** 80.16. The impact of slag on the process of geopolymerization and the mechanical performance of mine-tailings-based alkali-activated lightweight aggregates, Asadizadeh, M; Hedayat, A; (...); Neira, MT, Jan 12 2024, CONSTRUCTION AND BUILDING MATERIALS 411 **30/4=7,50** 80.17. Study on the characteristics of radon exhalation from fly ash filling materials in coal fire goaf based on the evolution of pore structure Li, PF; Sun, Q; (...); Ge, ZL, Jan 2024, JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY 149 (1) , pp.413-424 **20/4=5,00** 80.18. Short-term improvement of ductile geopolymer composites exposed to magnesium sulfate: Mechanical properties, sorptivity, and mechanisms, Deng, ZM and Deng, ZJ, Dec 8 2023, CONSTRUCTION AND BUILDING MATERIALS 408 **30/4=7,50** 80.19. Thermal phase transformation behavior of florencite and implications on the leaching recovery of rare earth elements (REEs) Ji, B; Xia, AL and Zhang, WC, Nov 1 2023, POWDER TECHNOLOGY 429 **20/4=5,00** 80.20. Characterization and life cycle assessment of geopolymer mortars with masonry units and recycled concrete aggregates assorted from construction and demolition waste, Kul, A; Ozel, BF; (...); Sahmaran, M, Nov 1 2023, JOURNAL OF BUILDING ENGINEERING 78 **30/4=7,50** 80.21. Environmental sustainability in construction: Influence of Megaterium Bacteria on the durability and mechanical properties of concrete incorporating calcined clay, Shukla, A; Gupta, N; (...); Djavanroodi, F, Nov 4 2024, MECHANICS OF ADVANCED MATERIALS AND STRUCTURES 31 (25) , pp.6615-6627 **20/4=5,00** 80.22. The effect of class F fly ash on the geopolymerization and compressive strength of lightweight aggregates made from alkali-activated mine tailings, Asadizadeh, M; Clements, C; (...); Neira, MT, Sep 1 2023, CONSTRUCTION AND BUILDING MATERIALS 395 **30/4=7,50** 80.23. Highly efficient catalytic CO oxidation by balancing the crystal and mesoporous structure of Ta2O5 carrier combined with cobalt Qin, HJ; Yang, ZL; (...); Yang, FL, Sep 1 2023, FUEL 347 **30/4=7,50** 80.24. Effects of Elevated Temperature and Activation Solution Content on Microstructural and Mechanical Properties of Fly Ash-based Geopolymer, Moutaoukil, G; Alehyen, S; (...); Safhi, AE, Jun 2023, KSCE JOURNAL OF CIVIL ENGINEERING 27 (6) , pp.2372-2384 **15/4=3,75**		

Structura activităţii	Restricţii Prof	Punctaj
80.25. A state-of-the-art review of the structure and properties of laterite-based sustainable geopolymer cement, Aziz, A; Felaous, K; (...); Jindal, BB, Apr 2023, ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH 30 (19) , pp.54333-54350 **5/4=1,15** 80.26. Thermal Characteristics of fine grained concrete with various percentages of basalt fiber and GGBS, Sudhakar, AJ and Muthusubramanian, B, Jun 2023, JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY 148 (12) , pp.5217-5233 **20/4=5,00** 80.27. A comprehensive study on the compressive strength, durability-related parameters and microstructure of geopolymer mortars based on mixed construction and demolition waste, Ozcelikci, E; Kul, A; (...); Sahmaran, M, Apr 10 2023, JOURNAL OF CLEANER PRODUCTION 396 **30/4=7,50** 80.28. Alkali-activated fly ash cured with pulsed microwave and thermal oven: A comparison of reaction products, microstructure and compressive strength, Shi, S; Li, H; (...); Bai, Y, Apr 2023, CEMENT AND CONCRETE RESEARCH 166 **30/4=7,50** 80.29. Synthesis and characterization of pollucite: a low-temperature immobilization method for 137Cs Feng, YX; Wei, GL; (...); Lu, XR Feb 2023, JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY 332 (2) , pp.467-478 **15/4=3,75** 80.30. The Effect of Activated Water Degumming Technique on Alkali-pretreated Banana Fiber, Zhang, ML; Liu, QQ; (...); Wang, R Nov 2022, BIORESOURCES 17 (4) , pp.6775-6788 **15/4=3,75** 80.31. Comparative analysis of seed biomass from Amazonian fruits for activated carbon production, Mafra, ERML; Protásio, TD; (...); Bufalino, L, May 2024, BIOMASS CONVERSION AND BIOREFINERY 14 (10) , pp.11279-11293 **20/4=5,00** 80.32. Flexural Performance and Microstructural Studies of Trough-Shaped Geopolymer Ferrocement Panels, Ramalingam, M; Mohan, P; (...); Murali, G, Aug 2022, MATERIALS 15 (16) **20/4=5,00** 80.33. Experimental Investigation on the Effects of Coffee Husk Ash as Partial Replacement of Cement on Concrete Properties Gedefaw, A; Yifru, BW; (...); Yehualaw, MD, Jul 15 2022, ADVANCES IN MATERIALS SCIENCE AND ENGINEERING 2022 **20/4=5,00** 80.34. Synthesis and Characterization of Spent Bleaching Clay-based Geopolymer: An Effort towards Palm Oil Industry Waste Reutilization Ying, MW; Azmi, M and Ganesan, S, Jul 15 2022, CHEMISTRY-AN ASIAN JOURNAL 17 (14) **20/4=5,00** 80.35. X-ray Diffraction Techniques for Mineral Characterization: A Review for Engineers of the Fundamentals, Applications, and Research Directions, Ali, A; Chiang, YW and Santos, RM, Feb 2022, MINERALS 12 (2) **20/4=5,00** 80.36. Ecological geopolymer produced with a ternary system of red mud, glass waste, and Portland cement, Silveira, NCG; Martins, MLF; (...); Araújo, FGDS, Feb 2022, CLEANER ENGINEERING AND TECHNOLOGY 6 **30/4=7,50** 80.37. Thermal and fire resistance of Class F fly ash based geopolymers-A review, Klima, KM; Schollbach, K; (...); Yu, QL Mar 14 2022, CONSTRUCTION AND BUILDING MATERIALS 323 **30/4=7,50** 80.38. Alkali-activated geopolymerization of a low illitic raw clay and waste brick mixture. An alternative to traditional ceramics Vasic, MV; Terzic, A; (...); Warr, LN, Mar 1 2022, APPLIED CLAY SCIENCE 218 **30/4=7,50** 80.39. The effect of curing regimes on physico-mechanical, microstructural and durability properties of alkali-activated materials: A review Nodehi, M; Ozbakkaloglu, T; (...); Shi, XJ, Feb 28 2022, CONSTRUCTION AND BUILDING MATERIALS 321 **30/4=7,50** 80.40. State of the art of geopolymers: A review, Castillo, H; Collado, H; (...); Palma, S, Jan 10 2022, E-POLYMERS 22 (1) , pp.108-124 **20/4=5,00** 80.41. Factors Affecting the Compressive Strength of Geopolymers: A Review, Castillo, H; Collado, H; (...); Palma, S, Dec 2021 MINERALS 11 (12) **20/4=5,00** 80.42. Enhancing the thermal performance of Class F fly ash-based geopolymer by sodalite, Klima, KM; Schollbach, K; (...); Yu, QL Jan 3 2022, CONSTRUCTION AND BUILDING MATERIALS 314 **30/4=7,50** 80.43. Assessment of the Possibility of Using Fly Ash from Biomass Combustion for Concrete, Jura, J and Ulewicz, M, Nov 2021		

Structura activităţii	Restricţii Prof	Punctaj
MATERIALS 14 (21) **20/4=5,00** 80.44. Possibilities of Application Cement By-Pass Dust into the Garden Architecture Elements, Procházka, L; Vojvodíková, B and Bohácová, J, Sep 2021, CRYSTALS 11 (9) **20/4=5,00** 80.45. FT-IR Study, Thermal Analysis, and Evaluation of the Antibacterial Activity of a MK-Geopolymer Mortar Using Glass Waste as Fine Aggregate, Dal Poggetto, G; D'Angelo, A; (...); Catauro, M, Sep 2021, POLYMERS 13 (17) **20/4=5,00** 80.46. Properties of Inorganic Polymers Based on Ground Waste Concrete Containing CuO and ZnO Nanoparticles, Vavouraki, AI; Gounaki, I and Venieri, D, Sep 2021 , POLYMERS 13 (17) **20/4=5,00** 80.47. Removal of hydrogen sulfide gas using coal fly ash - blast furnace cement composite, Asaoka, S; Saito, H; (...); Oikawa, T Sep 2021, JOURNAL OF WATER SANITATION AND HYGIENE FOR DEVELOPMENT 11 (5) , pp.824-830 **15/4=3,75** 80.48. High temperature resistant fly-ash and metakaolin-based alkali-activated foams, Traven, K; Cesnovar, M; (...); Ducman, V Sep 1 2021, CERAMICS INTERNATIONAL 47 (17) , pp.25105-25120 **30/4=7,50** 80.49. TOTAL LOSS CORES IN THE ASPECT OF MONUMENTS PROTECTION, Jez, K, Jul-sep 2021, INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE 12 (3) , pp.1033-1040 **10/4=2,50** 80.50. UTILIZATION OF THERMALLY ACTIVATED WATER-WASHED KAOLIN PARTICLES TOWARDS MINERAL RESOURCES CONSERVATION, Shakrani, SA; Ayob, A; (...); Alias, S, Jul-sep 2021, INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE 12 (3) , pp.1077-1090 **10/4=2,50** 80.51. Image Analysis of Surface Porosity Mortar Containing Processed Spent Bleaching Earth, Chong, BW; Othman, R; (...); Stachowiak, T Apr 2021, MATERIALS 14 (7) **20/4=5,00** 80.52. Energy efficient process for recovery of rare earths from spent NdFeB magnet by chlorination roasting and water leaching By: Kumari, Aarti; Raj, Raman; Randhawa, N. S.; et al., HYDROMETALLURGY Volume: 201 Article Number: 105581 Published: MAY 2021; **20/4=5,00** 80.53. Improved microstructure and free efflorescence geopolymer binders, By: Djangang, Chantale Njiomou; Mbey, Jean Aime; Ekani, Cyprien Joel; et al., SN APPLIED SCIENCES Volume: 2 Issue: 12 Article Number: 2167 Published: DEC 7 2020; **5/4=1,25** 80.54. The Correlation of Temperature-Mineral Phase Transformation as a Controlling Factor of Thermal and Mechanical Performance of Fly Ash-Based Alkali-Activated Binders, By: Kozhukhova, Natalia; Kozhukhova, Marina; Zhernovskaya, Irina; et al., MATERIALS Volume: 13 Issue: 22 Article Number: 5181 Published: NOV 2020; **20/4=5,00** 80.55. Thermal and microbiological performance of metakaolin-based geopolymers cement with waste glass, By: Catauro, Michelina; Dal Poggetto, Giovanni; Sgarlata, Caterina; et al., APPLIED CLAY SCIENCE Volume: 197 Article Number: 105763 Published: NOV 1 2020; **20/4=5,00** 80.56. Characterization of Fly Ash Alkali Activated Foams Obtained Using Sodium Perborate Monohydrate as a Foaming Agent at Room and Elevated Temperatures, By: Korat, Lidija; Ducman, Vilma, FRONTIERS IN MATERIALS Volume: 7 Article Number: 572347 Published: SEP 3 2020; **20/4=5,00** 80.57. Synthesis of kaolin-based alkali-activated cement: carbon footprint, cost and energy assessment By: Ababneh, Ayman; Matalkah, Faris; Aqel, Ruba, JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T Volume: 9 Issue: 4 Pages: 8367-8378 Published: JUL-AUG 2020 ; **30/4=7,5** 80.58. Effects of high-temperature exposure on fractal dimension of fly-ash-based geopolymer composites, By: Choi, Young Cheol; Park, Byoungsun, JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T Volume: 9 Issue: 4 Pages: 7655-7668 Published: JUL-AUG 2020, **30/4=7,5**		

Structura activităţii	Restricţii Prof	Punctaj
80.59. Recycled Glass as a Substitute for Quartz Sand in Silicate Products, By: Borek, Katarzyna; Czapik, Przemyslaw; Dachowski, Ryszard, MATERIALS Volume: 13 Issue: 5 Article Number: 1030 Published: MAR 2020; **20/4=5,00** 80.60. Properties of geopolymers from conventional fly ash activated at increased temperature with sodium hydroxide containing glass powder obtained from the recycling of waste glass, By: Janowska-Renkas, Elzbieta; Kaliciak, Agnieszka, Conference: 9th Scientific-Technical Conference on E-mobility, Sustainable Materials and Technologies (MATBUD) Location: Cracow, POLAND Date: OCT 19-21, 2020, Sponsor(s): Cracow Univ Technol, Fac Civil Engn, Chair Bldg Mat Engn; Polish Acad Sci, Civil Engn Comm, Bldg Mat Engn Sect; Polish Acad Sci, Cracow Branch, Construct Commiss, SCIENTIFIC-TECHNICAL CONFERENCE: E-MOBILITY, SUSTAINABLE MATERIALS AND TECHNOLOGIES (MATBUD'2020) Book Series: MATEC Web of Conferences Volume: 322 Article Number: 01018 ; **5/4=1,25** **81. Burduhos-Nergis, D.P., Vizureanu, P., Sandu, A.V., Bejinariu, C., Evaluation of the Corrosion Resistance of Phosphate Coatings Deposited on the Surface of the Carbon Steel Used for Carabiners Manufacturing, APPLIED SCIENCES-BASEL, Volume: 10, Issue: 8, Article Number: 2753, Published: 2020, (138,75)** 81.1. Optimization of pulse electrodeposition parameters for enhanced resistance to corrosion and hydrogen permeation of zinc coatings Yadav, A; Singh, AP and Srivastava, C, Dec 2024, MATERIALIA 38 **20/4-=5,00** 81.2. Enhancement of low-zinc phosphate coatings with addition Ni 2+and Mn 2+cations: Structure, corrosion resistance and paint adhesion Heydarian, A; Najafi, A and Khalaj, G, May-jun 2024, JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T 30 , pp.7308-7327 **30/4-=7,50** 81.3. The role of PEG/glycerol ratio on the structure and corrosion protection properties of PU-silica coating, Braz, AG; Pinto, J; (...); Santilli, C, Jun 15 2024, SURFACE & COATINGS TECHNOLOGY 485 **30/4-=7,50** 81.4. An environmentally sustainable approach for the utilization of Erigeron bonariensis as a green inhibitor against weathering steel corrosion in acidic media, Malik, B; Kaur, M; (...); Adil, M, May 15 2024, RSC ADVANCES 14 (23) , pp.16432-16444 **20/4-=5,00** 81.5. Bis(dimethylpyrazolyl)-aniline-s-triazine derivatives as efficient corrosion inhibitors for C-steel and computational studies Hammud, HH; Sheikh, NS; (...); Abd El-Lateef, HM, May 8 2024, ROYAL SOCIETY OPEN SCIENCE 11 (5) **20/4-=5,00** 81.6. Structural and corrosion analysis of copper/chitosan coating on nanotubular TiO 2 /Ti6Al4V implant surface, Raju, KAK and Biswas, A Apr 30 2024, SURFACE & COATINGS TECHNOLOGY 482 **30/4-=7,50** 81.7. Mesoporous vanadium nitride nanofiber@N-doped carbon with excellent microwave absorption and anti-corrosion, Li, RK; Lu, JQ; (...); Bu, JL, Apr 5 2024, COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS 686 **20/4-=5,00** 81.8. Evaluation of structural and corrosion behavior of chitosan/silver coating on Ti6Al4V/TiO2 nanotubular surface, Raju, KAK and Biswas, A, Jan 30 2024, SURFACE & COATINGS TECHNOLOGY 476 **30/4-=7,50** 81.9. Obtaining, Characterization and Applications of Advanced Materials, Sandu, I, Aug 2023, APPLIED SCIENCES-BASEL 13 (15) **20/4-=5,00** 81.10. Corrosion behavior of self-organized TiO2 nanotubular arrays grown on Ti6Al4V for biomedical applications, aju, KAK and Biswas, A, Sep 1 2023, MATERIALS CHEMISTRY AND PHYSICS 305 **20/4-=5,00** 81.11. Research on the Technologies of the Compressor Remanufacturing Process, Pan, QS; Wan, AD; (...); Wei, ZP, Jun 2 2023, APPLIED SCIENCES-BASEL 13 (11) **20/4-=5,00**		

Structura activităţii	Restricţii Prof	Punctaj
81.12. Evaluation of pH-sensitive nanocontainers composed of hierarchical ZnO mesoporous structures loaded with the Mimosa tenuiflora extract for applications in a saline solution, Méndez-Figueroa, HG; Soria-Castro, M; (...); Orozco-Cruz, R, Nov 2023, JOURNAL OF SOLID STATE ELECTROCHEMISTRY 27 (11) , pp.3137-3147 **20/4-=5,00** 81.13. Biopolymer and its nanoparticles for surface coating enhancement of epoxy primer on zinc: electrochemical and surface studies Rao, P and Pais, M Apr 2 2024, CANADIAN METALLURGICAL QUARTERLY 63 (2) , pp.616-628 **15/4=3,75** 81.14. Influence of Oxide Dispersions (Al2O3, TiO2, and Y2O3) in CrFeCuMnNi High-Entropy Alloy on Microstructural Changes and Corrosion Resistance, Sivasankaran, S; Sherif, EM; (...); Mekky, ABH, Apr 2023, CRYSTALS 13 (4) **20/4-=5,00** 81.15. The Influence of Different Type Materials of Grit Blasting on the Corrosion Resistance of S235JR Carbon Steel, Bogatu, N; Muresan, AC; (...); Buruiana, DL, Feb 2023, INVENTIONS 8 (1) **20/4-=5,00** 81.16. Corrosion inhibitors for carbon steel: A review, Desai, PD; Pawar, CB; (...); More, AP, Feb 2023, VIETNAM JOURNAL OF CHEMISTRY 61 (1) , pp.15-42 **15/4=3,75** 81.17. Investigation of Sulfonium-Iodide-Based Ionic Liquids to Inhibit Corrosion of API 5L X52 Steel in Different Flow Regimes in Acid Medium, Díaz-Jiménez, V; Arellanes-Lozada, P; (...); Verpoort, F, Nov 2022 (Early Access), ACS OMEGA **20/4-=5,00** 81.18. Nondestructive Monitoring Hydration of Belite Calcium Sulfoaluminate Cement by EIS Measurement, Chi, L; Wang, MA; (...); Li, JJ Jul 2022, MATERIALS 15 (13) **20/4-=5,00** 81.19 Enhanced anticorrosion performance of epoxy primer coating on zinc in 3.5% NaCl by micro and nano particulates of biopolymers Pais, M and Rao, P, Apr 18 2023, JOURNAL OF ADHESION SCIENCE AND TECHNOLOGYarrow_drop_down 37 (8) , pp.1419-1439 **20/4-=5,00** 81.20. Effects of Cathodic Polarization on the Corrosion Behavior of X60 Pipeline Steel in a Simulated Soil Solution, Mameri, S; Boughrara, D; (...); Chopart, JP, Aug 2022, STEEL RESEARCH INTERNATIONALarrow_drop_down 93 (8) **15/4=3,75** 81.21. "IN-VITRO" TESTS ON NEW BIODEGRADABLE METALLIC MATERIAL BASED ON ZnMgY, Panaghie, C; Cimpoesu, N; (...); Zegan, G, 2022, ARCHIVES OF METALLURGY AND MATERIALS 67 (2) , pp.587-594 **10/4=2,50** 81.22. Quaternary CuAlMn-based alloys with Gd and Sn additions: Surface chemistry and corrosion behavior in sodium chloride solution de Souza, JS; de Oliveira, MCL; (...); da Silva, RAG, Jan-feb 2022, JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T 16 , pp.1213-1230 **30/4-=7,50** 81.23. White Phosphate Coatings Obtained on Steel from Modified Cold Phosphating Solutions, Rumyantsev, E; Rumyantseva, V and Konovalova, V, Jan 2022, COATINGS 12 (1) **20/4-=5,00** **81.24.** Glycogen nanoparticles as a potential corrosion inhibitor, Pais, M; George, SD and Rao, P, Jul 1 2021, INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES 182 , pp.2117-2129 **30/4-=7,50** 81.25. Role of La substitution on structural, optical, and multiferroic properties of BiFeO3 nanoparticles, By: Kumari, Anju; Kumari, Kavita; Aljawfi, Rezq Naji; et al., APPLIED NANOSCIENCE, early access iconEarly Access: MAY 2021; **20/4-=5,00** 81.26. The Effect of Zn and Zn-WO3 Composites Nano-Coatings Deposition on Hardness and Corrosion Resistance in Steel Substrate By: Kumar, Channagiri Mohankumar Praveen; Chandrashekarappa, Manjunath Patel Gowdru; Kulkarni, Raviraj Mahabaleshwar; et al., MATERIALS Volume: 14 Issue: 9 Article Number: 2253 Published: MAY 2021; **20/4-=5,00** **82. Azimi, E.A., Abdullah, M.M.A., Vizureanu, P., Salleh, M.A.A.M., Sandu, A.V., Chaiprapa, J., Yoriya, S., Hussin, K., Aziz, I.H., Strength Development and Elemental Distribution of Dolomite/Fly Ash Geopolymer Composite under Elevated Temperature, MATERIALS, Volume: 13, Issue: 4, Article Number: 1015, Published: 2020 (56,04)**		

Structura activităţii	Restricţii Prof	Punctaj
82.1. The effect of marble waste in the production of low-temperature porous material from alkali-activated fly ash, Cengizler, H and Koç, M Aug 2024, SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI **5/9=0,55** 82.2. Synthesis of Geopolymers Incorporating Mechanically Activated Fly Ash Blended with Alkaline Earth Carbonates: A Comparative Analysis, Kalinkin, AM; Kalinkina, EV; (...); Ivanova, AG, Jul 2024, MINERALS 14 (7) **20/9= 2,22** 82.3. Investigation and Utilization of Alkali-Activated Grouting Materials Incorporating Engineering Waste Soil and Fly Ash/Slag Wang, ZJ; Li, HJ; (...); Zhang, JJ, Jun 2024, APPLIED SCIENCES-BASEL 14 (11) **20/9= 2,22** 82.4. Effect of Different Ceramic Waste Powder on Characteristics of Fly Ash-Based Geopolymer, Herbudiman, B; Subari, S; (...); Roseno, S Feb 2024, CIVIL ENGINEERING JOURNAL-TEHRAN 10 (2) , pp.431-443 **20/9= 2,22** 82.5. Experimental study on effective utilization of industrial solid wastes in developing Ultra-High performance geopolymer concrete Sathyanarayanan, M and Brindha, D 2024, GLOBAL NEST JOURNAL 26 (9) **15/9=1,66** 82.6. Catalytic Gasification and Reforming of Residual Biomass in a Bench Scale System with Low Cost Catalysts, Garcia, L; Cordoba, M; (...); Badano, J, Nov 2023 (Early Access), CHEMPLUSCHEM **20/9= 2,22** 82.7. Environmental sustainability in construction: Influence of Megaterium Bacteria on the durability and mechanical properties of concrete incorporating calcined clay, Shukla, A; Gupta, N; (...); Djavanroodi, F, Nov 4 2024, MECHANICS OF ADVANCED MATERIALS AND STRUCTURES 31 (25) , pp.6615-6627 **20/9= 2,22** 82.8. Development of Clay-Composite Plasters Integrating Industrial Waste, Hegyi, A; Petcu, C; (...); Bradu, A, Jul 2023, MATERIALS 16 (14) **20/9= 2,22** 82.9. Study on the Possibilities of Developing Cementitious or Geopolymer Composite Materials with Specific Performances by Exploiting the Photocatalytic Properties of TiO2 Nanoparticles, Hegyi, A; Lazarescu, AV; (...); Stoian, V., May 15 2023, MATERIALS 16 (10) **20/9= 2,22** 82.10. Effects of Elevated Temperature and Activation Solution Content on Microstructural and Mechanical Properties of Fly Ash-based Geopolymer, Moutaoukil, G; Alehyen, S; (...); Safhi, AE, Jun 2023, KSCE JOURNAL OF CIVIL ENGINEERING 27 (6) , pp.2372-2384 **15/9=1,66** 82.11. Study of Geopolymers Obtained from Wheat Husk Native to Northern Mexico, Hernández-Escobar, CA; Conejo-Dávila, AS; (...); Farias-Mancilla, JR, Mar 2023, MATERIALS 16 (5) **20/9= 2,22** 82.12. The improvement of strength and microstructural properties of fly ash-based geopolymer by adding elemental aluminum powder, Durak, U, Jan 2023, JOURNAL OF MATERIAL CYCLES AND WASTE MANAGEMENT 25 (1) , pp.157-170 **20/9= 2,22** 82.13. Experimental Study on Durability Degradation of Geopolymer-Stabilized Soil under Sulfate Erosion, Wang, GC; Chen, SL; (...); Huang, JD, Aug 2022, MATERIALS 15 (15) **20/9= 2,22** 82.14. Effects of Fly Ash Inclusion and Alkali Activation on Physical, Mechanical, and Chemical Properties of Clay Turan, C; Javadi, AA; (...); Russo, G, Jul 2022, MATERIALS 15 (13) **20/9= 2,22** 82.15. Fly Ash Application as Supplementary Cementitious Material: A Review, Li, GL; Zhou, CK; (...); Khallaf, R., Apr 2022 MATERIALS 15 (7) **20/9= 2,22** 82.16. Application of Soft Computing Techniques to Predict the Strength of Geopolymer Composites, Wang, QC; Ahmad, W; (...); Vatin, NI Mar 2022, POLYMERS 14 (6) **20/9= 2,22** 82.17. Calcium and/or magnesium carbonate and carbonate-bearing rocks in the development of alkali-activated cements - A review Rakhimova, N, Mar 28 2022, CONSTRUCTION AND BUILDING MATERIALS 325 **30/9=3,33** 82.18. Thermal and fire resistance of Class F fly ash based geopolymers-A review, Klima, KM; Schollbach, K; (...); Yu, QL		

Structura activităţii	Restricţii Prof	Punctaj
Mar 14 2022, CONSTRUCTION AND BUILDING MATERIALS 323 **30/9=3,33** 82.19 State of the art of geopolymers: A review, Castillo, H; Collado, H; (...); Palma, S, Jan 10 2022, E-POLYMERS 22 (1) , pp.108-124 **20/9= 2,22** 82.20. Factors Affecting the Compressive Strength of Geopolymers: A Review, Castillo, H; Collado, H; (...); Palma, S Dec 2021, MINERALS 11 (12) **20/9= 2,22** 82.21. Geopolymers Based on Mechanically Activated Fly Ash Blended with Dolomite, Kalinkin, AM; Gurevich, BI; (...); Zvereva, IA Jul 2021, MINERALS 11 (7) **20/9= 2,22** 82.22. Behavior of alkali-activated pozzocrete-fly ash paste modified with ceramic tile waste against elevated temperatures and seawater attacks, Ouda, AS and Gharieb, M, May 24 2021, CONSTRUCTION AND BUILDING MATERIALS 285 **30/9=3,33** 82.23. The Correlation of Temperature-Mineral Phase Transformation as a Controlling Factor of Thermal and Mechanical Performance of Fly Ash-Based Alkali-Activated Binders, By: Kozhukhova, Natalia; Kozhukhova, Marina; Zhernovskaya, Irina; et al. MATERIALS Volume: 13 Issue: 22 Article Number: 5181 Published: NOV 2020; **20/9= 2,22** 82.24. The Fabrication of Geopolymer Foam Composites Incorporating Coke Dust Waste, By: Katarzyna, Buczkowska; Le, Chi Hiep; Louda, Petr; et al., PROCESSES Volume: 8 Issue: 9 Article Number: 1052 Published: SEP 2020; **20/9= 2,22** 72.3. Synthesis of Fly Ash-Based Geopolymers: Effect of Calcite Addition and Mechanical Activation, By: Kalinkin, Alexander M.; Gurevich, Basya I.; Myshenkov, Mikhail S.; et al., MINERALS Volume: 10 Issue: 9 Article Number: 827 Published: SEP 2020; **20/9= 2,22** **83. Nergis, D.D.B., Vizureanu, P., Ardelean, I., Sandu, A.V., Corbu, O.C., Matei, E., Revealing the Influence of Microparticles on Geopolymers' Synthesis and Porosity, MATERIALS, Volume: 13, Issue: 14, Article Number: 3211, Published: 2020 (64,94)** 83.1. Utilization of waste phosphogypsum in high-strength geopolymer concrete: Performance optimization and mechanistic exploration Wang, YR; Chen, B; (...); Jiang, ZX, Dec 1 2024, JOURNAL OF BUILDING ENGINEERING 98 **30/6=5,00** 83.2. NMR Relaxation to Probe Zeolites: Mobility of Adsorbed Molecules, Surface Acidity, Pore Size Distribution and Connectivity Shelyapina, MG, Nov 2024, MOLECULES 29 (22) **20/6= 3,33** 83.3. A MAS-NMR analysis of 29Si, 27Al and 1H on the temperature's impact on geopolymer grouts derived from argillite and metakaolin El Khomsi, A; Gharzouni, A; (...); Rossignol, S., Oct 15 2024, JOURNAL OF NON-CRYSTALLINE SOLIDS 642 **20/6= 3,33** 83.4. Geopolymer Cement in Pavement Applications: Bridging Sustainability and Performance, Ikotun, JO; Aderinto, GE; (...); Katte, VY Jul 2024, SUSTAINABILITY 16 (13) **20/6= 3,33** 83.5. Production, characterization and performance of green geopolymer modified with industrial by-products, Abbas, R; Abdelzaher, MA; (...); Tantawy, MA, Mar 1 2024, SCIENTIFIC REPORTS 14 (1) **20/6= 3,33** 83.6. Microstructure evolution and properties of red mud/slag-based cenosphere/geopolymer foam exposed to high temperatures, Yan, S; Ren, XQ; (...); Xing, PF, Nov 15 2023, CERAMICS INTERNATIONAL 49 (22) , pp.34362-34374 **30/6=5,00** 83.7. Thickness, Adhesion and Microscopic Analysis of the Surface Structure of Single-Layer and Multi-Layer Metakaolin-Based Geopolymer Coatings, Jaskevic, M; Novotny, J; (...); Markopoulos, A, Oct 2023, COATINGS 13 (10) **20/6= 3,33** 83.8. Study on the Possibilities of Developing Cementitious or Geopolymer Composite Materials with Specific Performances by Exploiting the Photocatalytic Properties of TiO2 Nanoparticles, Hegyi, A; Lazarescu, AV; (...); Stoian, V., May 15 2023, MATERIALS 16 (10) **20/6= 3,33**		

Structura activităţii	Restricţii Prof	Punctaj
83.9. Influence of Various Coal Energy Wastes and Foaming Agents on Foamed Geopolymer Materials' Synthesis, Yatsenko, EA; Goltsman, BM; (...); Klimova, LV, Jan 2023, MATERIALS 16 (1) **20/6= 3,33** 83.10. Self-Healing Concrete as a Prospective Construction Material: A Review, Amran, M; Onaizi, AM; (...); Ozbakkaloglu, T May 2022, MATERIALS 15 (9) **20/6= 3,33** 83.11. Application of Soft Computing Techniques to Predict the Strength of Geopolymer Composites, Wang, QC; Ahmad, W; (...); Vatin, NI Mar 2022, POLYMERS 14 (6) **20/6= 3,33** 83.12. State of the art of geopolymers: A review, Castillo, H; Collado, H; (...); Palma, S, Jan 10 2022, E-POLYMERS 22 (1) , pp.108-124 **20/6= 3,33** 83.13. The Use of Recycled Aggregate Sludge for the Preparation of GGBFS and Fly Ash Based Geopolymer, Chen, YC; Lee, WH and Ding, YC, Dec 2021, CRYSTALS 11 (12) **20/6= 3,33** 83.14. Effects of HPMC on Workability and Mechanical Properties of Concrete Using Iron Tailings as Aggregates, Gu, XW; Li, XH; (...); Zhang, XL, Nov 2021, MATERIALS 14 (21) **20/6= 3,33** 83.15. Experimental Study on the Permeation and Migration Rules of Pressurized Water in Textile-Reinforced Concrete (TRC), Wang, BX; Liu, JQ and Wang, Q, Nov 2021, MATERIALS 14 (21) **20/6= 3,33** 83.16. Influence of TiO2 Nanoparticles on the Resistance of Cementitious Composite Materials to the Action of Fungal Species, Hegyi, A; Grebenisan, E; (...); Szilagyi, H, Aug 2021, MATERIALS 14 (16) **20/6= 3,33** 83.17. Key Factors Determining the Self-Healing Ability of Cement-Based Composites with Mineral Additives, Tomczak, K; Jakubowski, J and Kotwica, L, Aug 2021, MATERIALS 14 (15) **20/6= 3,33** 83.18. UTILIZATION OF THERMALLY ACTIVATED WATER-WASHED KAOLIN PARTICLES TOWARDS MINERAL RESOURCES CONSERVATION, Shakrani, SA; Ayob, A; (...); Alias, S, Jul-sep 2021, INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE 12 (3) , pp.1077-1090 **10/6=1,66** 83.19. A Noble and Economical Method for the Synthesis of Low Cost Zeolites From Coal Fly Ash Waste, Yadav, VK; Suriyaprabha, R; (...); Kalasariya, H., Sep 30 2022, ADVANCES IN MATERIALS AND PROCESSING TECHNOLOGIES 8 , pp.301-319 **20/6= 3,33** 83.20. Utilisation of Waste-Based Geopolymer in Asphalt Pavement Modification and Construction-A Review By: Milad, Abdalrhman; Ali, Ahmed Suliman B.; Babalghaith, Ali Mohammed; et al., SUSTAINABILITY Volume: 13 Issue: 6 Article Number: 3330 Published: MAR 2021; **20/6= 3,33** **84. Istrate, B., Munteanu, C., Lupescu, S., Chelariu, R., Vlad, M.D., Vizureanu, P., Electrochemical Analysis and In Vitro Assay of Mg-0.5Ca-xY Biodegradable Alloys, MATERIALS, Volume: 13, Issue: 14, Article Number: 3082, Published: 2020 (26,65)** 84.1. Magnesium alloys as extremely promising alternatives for temporary orthopedic implants - A review, Niranjan, CA; Raghavendra, T; (...); Aishwarya, R., Aug 2023, JOURNAL OF MAGNESIUM AND ALLOYS 11 (8) , pp.2688-2718 **30/6=5,00** 84.2. Investigating the potential applications of Mg-Zn-Y-Gd-Mn alloy biodegradable implants in the field of orthopedics, Feng, Y; Zhang, Z; (...); Li, JY, Jul 15 2023, MATERIALS LETTERS 343 **20/6=3,33** 84.3. Surface synthesization of magnesium alloys for improving corrosion resistance and implant applications, Hossain, MH; Hossain, N; (...); Rana, MM, Feb 2023, ARABIAN JOURNAL OF CHEMISTRY 16 (2) **30/6=5,00** 84.4. Influence of Surface Roughness on Biodegradability and Cytocompatibility of High-Purity Magnesium, Chen, JH; Dai, JT; (...); Xu, SL Jun 2022, MATERIALS 15 (11) **20/6=3,33** 84.5. Obtaining and Characterization of New Materials, Sandu, AV, Nov 2021., MATERIALS 14 (21) **20/6=3,33**		

Structura activităţii	Restricţii Prof	Punctaj
84.6. The Formation of 14H-LPSO in Mg-9Gd-2Y-2Zn-0.5Zr Alloy during Heat Treatment, Liu, YF; Yang, YQ; (...); Zhang, ZM, Oct 2021 MATERIALS 14 (19) **20/6=3,33** 84.7. Influence of simultaneous alloying with Ca and Sc on the high temperature deformation mechanism, texture, and recrystallization behavior of Mg-Ca-Sc alloys, Singh, C; Narayan, RL and Jain, J, Sep 2021, MATERIALS CHARACTERIZATION 179 **20/6=3,33** **85. I. LUHAR, S. LUHAR, M.M.A. ABDULLAH, R.A. RAZAK, P. VIZUREANU, A.V. SANDU, P.D. MATASARU, A State-of-the-Art Review on Innovative Geopolymer Composites Designed for Water and Wastewater Treatment, MATERIALS, 14 (23), 2021, Article Number 7456, DOI10.3390/ma14237456 (47.14)** 85.1. Ramesh, Anahita; Nezamzadeh-Ejhieh, Alireza, Photocatalytic activity of ZnO-PbS nanoscale toward Allura Red AC in an aqueous solution: Characterization and mechanism study, Journal of Photochemistry and Photobiology B Biology, 2023, 434, 10.1016/j.jphotochem.2022.114254 FI= 5.141 85.2. Antonio Salazar, Pedro; Leiva Fernandez, Carlos; Luna-Galiano, Yolanda; Villegas Sanchez, Rosario; Fernandez-Pereira, Constantino, Physical, Mechanical and Radiological Characteristics of a Fly Ash Geopolymer Incorporating Titanium Dioxide Waste as Passive Fire Insulating Material in Steel Structures, MATERIALS, 2022, 15, 23, 8493, 10.3390/ma15238493 FI= 3.748 85.3. Bilici, Senem; Carvalheiras, Joao; Labrincha, Joao A.; Novais, Rui M., Evaluation of the Nature and Concentration of the Surfactant on the Properties of Red Mud/Metakaolin Porous Geopolymers Foamed with Aluminium, MATERIALS, 2022, 15, 21, 7486, 10.3390/ma15217486 FI= FI= 3.748 85.4. Matsimbe, Jabulani; Dinka, Megersa; Olukanni, David; Musonda, Innocent, Geopolymer: A Systematic Review of Methodologies, MATERIALS, 2022, 15, 19, 6852, 10.3390/ma15196852 FI= FI= 3.748 85.5. Matsimbe, Jabulani; Dinka, Megersa; Olukanni, David; Musonda, Innocent, A Bibliometric Analysis of Research Trends in Geopolymer, MATERIALS, 2022, 15, 19, 6979, 10.3390/ma15196979 FI= FI= 3.748 85.6. El Alouani, Marouane; Aouan, Badr; Rachdi, Younes; Alehyen, Saliha; El Herradi, El Hassania; Saufi, Hamid; Mabrouki, Jamal; Barka, Noureddine, Porous geopolymers as innovative adsorbents for the removal of organic and inorganic hazardous substances: a mini-review, INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY, 2022, 10.1080/03067319.2022.2115891 FI= 2.731 85.7. Kumar, Pankaj; Gacem, Amel; Ahmad, Mohammad Tauheed; Yadav, Virendra Kumar; Singh, Snigdha; Yadav, Krishna Kumar; Alam, Md Mottahir; Dawane, Vinars; Piplode, Satish; Maurya, Parul; Ahn, Yongtae; Jeon, Byong-Hun; Cabral-Pinto, Marina M. S., Environmental and human health implications of metal(loid)s: Source identification, contamination, toxicity, and sustainable clean-up technologies, FRONTIERS IN ENVIRONMENTAL SCIENCE, 2022, 10, 949581, 10.3389/fenvs.2022.949581 FI= 5.411 85.8. Hemmatpour, Pooneh; Nezamzadeh-Ejhieh, Alireza, A Z-scheme CdS/BiVO4 photocatalysis towards Eriochrome black T: An experimental design and mechanism study, CHEMOSPHERE, 2022, 307, 135925, 10.1016/j.chemosphere.2022.135925 FI= 8.943 85.9. Yang, Keyin; Bu, Huijun; Zhang, Ying; Yu, Hongxia; Huang, Sining; Ke, Lixia; Hong, Pei, Efficacy of simultaneous hexavalent chromium biosorption and nitrogen removal by the aerobic denitrifying bacterium Pseudomonas stutzeri YC-34 from chromium-rich wastewater, FRONTIERS IN MICROBIOLOGY, 2022, 13, 961815, 10.3389/fmicb.2022.961815 FI= 6.064 85.10. Vahabirad, Samira; Nezamzadeh-Ejhieh, Alireza; Mirmohammadi, Mehrosadat, The coupled BiOI/(BiO)(2)CO3 catalyst: Brief characterization, and study of its photocatalytic kinetics, JOURNAL OF SOLID STATE CHEMISTRY, 2022, 314, 123405, 10.1016/j.jssc.2022.123405 FI= 3.656		

Structura activităţii	Restricţii Prof	Punctaj
85.11. He, Chuan; Zhang, Shiyu; Liang, Youwang; Ahmad, Waqas; Althoey, Fadi; Alyami, Saleh H.; Javed, Muhammad Faisal; Deifalla, Ahmed Farouk, A Scientometric Review on Mapping Research Knowledge for 3D Printing Concrete, MATERIALS, 2022, 15, 14, 4796, 10.3390/ma15144796 FI= FI= 3.748 85.12. Akar, Sibel Tunali; Colo, Hilal; Sayin, Fatih; Kara, Ilknur; Akar, Tamer, Parametric optimization of Cu(II) removal process by a metakaolin-based geopolymer: Batch and continuous process design, JOURNAL OF CLEANER PRODUCTION, 2022, 366, 132819, 10.1016/j.jclepro.2022.132819 FI= 11.072 85.13. Gao, Wei, Porous Biomass Carbon Derived from Clivia miniata Leaves via NaOH Activation for Removal of Dye, MATERIALS, 2022, 15, 4, 1285, 10.3390/ma15041285 FI= FI= 3.748 85.14. Caetano, Ana P. F.; Carvalheiras, Joao; Senff, Luciano; Seabra, Maria P.; Pullar, Robert C.; Labrincha, Joao A.; Novais, Rui M., Unravelling the Affinity of Alkali-Activated Fly Ash Cubic Foams towards Heavy Metals Sorption, MATERIALS, 2022, 15, 4, 1453, 10.3390/ma15041453 FI= FI= 3.748 **86. Burduhos-Nergis, D.P., Vizureanu, P., Sandu, A.V., Bejinariu, C., Phosphate Surface Treatment for Improving the Corrosion Resistance of the C45 Carbon Steel Used in Carabiners Manufacturing, MATERIALS, Volume: 13, Issue: 15, Article Number: 3410, Published: 2020 (70,00)** 86.1. Nanosilica from canary seed husk for corrosion protection of structural steel, León-Silva, U; Nicho, ME; (...); Díaz-Guillén, MR Oct 2024, VIETNAM JOURNAL OF CHEMISTRY 62 (5) , pp.717-726 **15/4=3,75** 86.2. Comparison of Corrosion Behavior of WE43 and AZ80 Alloys in NaCl and Na2SO4 Solutions, Li, CX; Zhao, YM; (...); Zhang, SJ Mar 2023, CRYSTALS 13 (3) **20/4=5,00** 86.3. The Influence of Different Type Materials of Grit Blasting on the Corrosion Resistance of S235JR Carbon Steel, Bogatu, N; Muresan, AC; (...); Buruiana, DL, Feb 2023, INVENTIONS 8 (1) **20/4=5,00** 86.4. Revealing the Enhanced Passivation and Anti-Corrosion Performance of Surface-Nanocrystallization-Modified Cr-Alloyed Rebar via Electrochemical Testing and XPS Depth Analysis, Liu, WL; Wang, QY; (...); Song, D, Jan 2023, COATINGS 13 (1) **20/4=5,00** 86.5. Assessment of Corrosion Resistance and Hardness of Shot Peened X5CrNi18-10 Steel, Walczak, M; Szala, M and Okuniewski, W Dec 2022, MATERIALS 15 (24) **20/4=5,00** 86.6. Corrosion Resistance of Mg/Al Vacuum Diffusion Layers, Zhang, SX; Ding, YL; (...); Ju, DY, Oct 2022, COATINGS 12 (10) **20/4=5,00** 86.7. Effect of Oxidation Time on the Structure and Corrosion Resistance of Micro-Arc Oxidation Coating of AZ91D Magnesium Alloy in (NH4)2ZrF6 Electrolyte System, Zhu, JC; Li, HZ; (...); Geng, JJ, Oct 2022, COATINGS 12 (10) **20/4=5,00** 86.8. Application of Rhino Modeling Software in Product Fading Surface Modeling Design from the Perspective of Computer, Zhang, JH Aug 30 2022, MOBILE INFORMATION SYSTEMS 2022 **15/4=3,75** 86.9. Influence of CeO2 and TiO2 Particles on Physicochemical Properties of Composite Nickel Coatings Electrodeposited at Ambient Temperature, Makarava, I; Esmaeili, M; (...); Repo, E, Aug 2022, MATERIALS 15 (16) **20/4=5,00** 86.10. Effect of La2O3 on Microstructure and Properties of Laser Cladding SMA Coating on AISI 304 Stainless Steel Liu, LL; Qiao, YQ and Xu, P, Jul 2022, COATINGS 12 (7) **20/4=5,00** 86.11. Economic Efficiency of High-Entropy Alloy Corrosion-Resistant Coatings Designed for Geothermal Turbine Blades: A Case Study Geambazu, LE; Voiculescu, I; (...); Bololoi, RV, Jul 2022, APPLIED SCIENCES-BASEL 12 (14) **20/4=5,00** 86.12. Investigation of the Structure and Corrosion Resistance of Novel High-Entropy Alloys for Potential Biomedical Applications Tokarewicz, M; Gradzka-Dahlke, M; (...); Czajkowska, K, Jun 2022, MATERIALS 15 (11) **20/4=5,00**		

Structura activităţii	Restricţii Prof	Punctaj
86.13. Improvement of Structures and Properties of Al2O3 Coating Prepared by Cathode Plasma Electrolytic Deposition by, Incorporating SiC Nanoparticles, Li, XJ; Li, Z; (...); Bai, Y, May 2022, COATINGS 12 (5) **20/4=5,00** 86.14. A Conceptual Design Framework based on TRIZ Scientific Effects and Patent Mining, Chan, EM; Kor, AL; (...); Wahab, ANA Dec 2021, INTERNATIONAL JOURNAL OF ADVANCED COMPUTER SCIENCE AND APPLICATIONS 12 (12) , pp.43-50 **10/4=2,50** 86.15. Corrosion Behaviour of Cu/Carbon Steel Gradient Material, Ma, T; Li, HR; (...); Li, YG, Sep 2021, CRYSTALS 11 (9) **20/4=5,00** **87. Vizureanu, P., Yamaguchi, S., Le, P.T.M., Baltatu, M.S., Biocompatibility Evaluation of New TiMoSi Alloys, ACTA PHYSICA POLONICA A, Volume: 138, Issue: 2, Pages: 283-286, Published: 2020** (6,66) 87.1. In Vitro Antibacterial Activity of Some Plant Essential Oils against Four Different Microbial Strains, Gheorghita, D; Robu, A; (...); Saceleanu, A, Oct 2022, APPLIED SCIENCES-BASEL 12 (19) **20/3=3,33** 87.1 Nanoarchitectonics of Electrically Activable Phosphonium Self-Assembled Monolayers to Efficiently Kill and Tackle Bacterial Infections on Demand Carrara, S; Rouvier, F; (...); Raimundo, JM, Feb 2022, INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES 23 (4) **20/3=3,33** **88. Nabialek, M., Walters, S., Vizureanu, P., Abdullah, M.M.A.B., Jez, B., Influence of Co and Zr Content on Creation of Crystalline Phases in Rapidly-Cooled, Injection-Cast Alloys Fe70Zr8-xCoxNb2B20 (where x=0, 2, 4, 6 or 8), ACTA PHYSICA POLONICA A, Volume: 138, Issue: 2, Pages: 152-155, Published: 2020** (2,00) 88.1. Influence of Fe and Co Content on Crystallization and Magnetic Property of FeZrB Alloys, Hua, Z; Feng, TT; (...); Zhang, PL Mar 2023, ACTA PHYSICA POLONICA A 143 (3) , pp.270-275 **10/5=2,00** **89. Savin, A., Craus, M.L., Bruma, A., Novy, F., 11Malo, S., Chlada, M., Steigmann, R., Vizureanu, P., Harnois, C., Turchenko, V., Prevorovsky, Z., Microstructural Analysis and Mechanical Properties of TiMo20Zr7Ta15Six Alloys as Biomaterials, MATERIALS, Volume: 13, Issue: 21, Article Number: 4808, Published: 2020,** (7,24) 89.1. Mechanosynthesis, characterization, and cytotoxic evaluation of soft ferromagnetic non-equiatomic high entropy alloys in the system Al10+xM12-xFe35Mn23Ni20 (M = Cr, Mo; x=0, 0.2), García-Mendoza, T; Enriquez, JBM; (...); Juarez-Arellano, EA, Jun 1 2025, MATERIALS CHEMISTRY AND PHYSICS 337 **20/11=1,81** 89.2. A Review of Biomaterials Based on High-Entropy Alloys, de Oliveira, TG; Fagundes, DV; (...); da Silva, AAAP, Nov 2022, METALS 12 (11) **20/11=1,81** 89.3. Micro Non-Destructive Testing and Evaluation, Bruno, G, Sep 2022, MATERIALS 15 (17) **20/11=1,81** 89.4. Three-Dimensional Imaging of Metallic Grain by Stacking the Microscopic Images, Lee, J; Berkache, A; (...); Hwang, YH, Sep 2021, APPLIED SCIENCES-BASEL 11 (17) **20/11=1,81** **90. Titu, A.M., Vizureanu, P., Titu, S., Sandu, A.V., Pop, A.B., Bucur, V., Ceocea, C., Boroiu, A., Experimental Research on the Cutting of Metal Materials by Electrical Discharge Machining with Contact Breaking with Metal Band as Transfer Object, MATERIALS, Volume: 13, Issue: 22, Article Number: 5257, Published: 2020** (2,50)		

Structura activităţii	Restricţii Prof	Punctaj
90.1. The Performance Prediction of Electrical Discharge Machining of AISI D6 Tool Steel Using ANN and ANFIS Techniques: A Comparative Study Pourasl, HH; Javidani, M; (...); Barenji, RV, Mar 2022, CRYSTALS 12 (3) **20/8=2,5** **91. Paleu, C.C., Munteanu, C., Istrate, B., Bhaumik, S., Vizureanu, P., Baltatu, M.S., Paleu, V., Microstructural Analysis and Tribological Behavior of AMDRY 1371 (Mo-NiCrFeBSiC) Atmospheric Plasma Spray Deposited Thin Coatings, COATINGS, Volume: 10, Issue: 12, Article Number: 1186, Published: 2020, (37,04)** 91.1. EXPANDING THE APPLICATIONS OF COPPER-BASED ALLOYS BY THERMAL ARC SPRAYING, Toma, SL and Chicet, DL 2024, ARCHIVES OF METALLURGY AND MATERIALS 69 (4) , pp.1629-1635 **10/7=1,42** 91.2. Treatment of Failures in Turbine Blades by Cermet Coatings, Darweesh, SY; Rasheed, RA and Abdullah, MA, Dec 2023 JOURNAL OF FAILURE ANALYSIS AND PREVENTION 23 (6) , pp.2461-2470 **5/7=0,71** 91.3. Rapid formation of titanium nitride coating by atmospheric-controlled induction-heating fine particle peening and investigation of its wear and corrosion resistance, Takesue, S; Morita, T; (...); Komotori, J, May 1 2023, RESULTS IN SURFACES AND INTERFACES 11 **5/7=0,71** 91.4. Influence of Different Contact Conditions on Friction Properties of AISI 430 Steel Sheet with Deep Drawing Quality Luiz, VD; dos Antos, A Jr; (...); Rodrigues, PCD, Apr 2023, COATINGS 13 (4) **20/7=2,85** 91.5. Low-Temperature Transient Liquid Phase Bonding Technology via Cu Porous-Sn58Bi Solid-Liquid System under Formic Acid Atmosphere, He, SL; Xiong, BF; (...); Shen, YA, Mar 2023, MATERIALS 16 (6) **20/7=2,85** 91.6. Characterization and wear properties of plasma sprayed Cr3C2 and Stellite coatings on Inconel 625, Kumar, SS; Meignanamoorthy, M and Ravichandran, M, Mar 1 2023, SURFACE TOPOGRAPHY-METROLOGY AND PROPERTIES 11 (1) **20/7=2,85** 91.7. Cracking Behavior of Atmospheric Plasma-Sprayed 8YSZ Thermal Barrier Coatings during Thermal Shock Test Huang, JB; Sun, W; (...); Ma, WH., Feb 2023, COATINGS 13 (2) **20/7=2,85** 91.8. Comparison of Friction Behaviour of Titanium Grade 2 after Non-Contact Boriding in Oxygen-Containing Medium with Gas Nitriding Lavrys, S; Pohrelyuk, I; (...); Proskurnyak, R., Feb 2023, COATINGS 13 (2) **20/7=2,85** 91.9. Temperature profile, microstructural evolution, and wear resistance of plasma-sprayed NiCrBSi coatings under different powers in a vertical remelting way, Xuan, HN; Chen, LY; (...); Zhang, LC, Dec 1 2022, MATERIALS CHEMISTRY AND PHYSICS 292 **20/7=2,85** 91.10. Mechanism for magnetic field induced structural relaxation and accompanying fracture toughness improvement of the thermal spraying coating, Qian, CK; Liu, Q; (...); Cai, ZP, Nov 2022, MATERIALS & DESIGN 223 **30/7=4,28** 91.11. Microstructure and Tribological Properties of Lubricating-Reinforcing Laser Cladding Composite Coating with the Ti2SC-Ti2Ni Mosaic Structure Phase, Zhang, TG; Zhen, H; (...); Zhang, ZQ, Jul 2022, COATINGS 12 (7) **20/7=2,85** 91.12. Microstructure and Corrosion Behavior of Atmospheric Plasma Sprayed NiCoCrAlFe High Entropy Alloy Coating Mehmood, K; Umer, MA; (...); Usman, M, Feb 2022, MATERIALS 15 (4) **20/7=2,85** 91.13. COMPARATIVE ROLLING CONTACT BEHAVIOR OF TWO APS COATINGS WITH DIFFERENT MATRIX, Chicet, D; Toma, S; (...); Bejinariu, C, 2022, ARCHIVES OF METALLURGY AND MATERIALS 67 (3) , pp.869-878 **10/7=1,42** 91.14. Effect of Arc Currents on the Mechanical, High Temperature Oxidation and Corrosion Properties of CrSiN Nanocomposite Coatings Xiang, YX and Zou, CW, Jan 2022, COATINGS 12 (1) **20/7=2,85**		

Structura activităţii	Restricţii Prof	Punctaj
91.15. Comparison of Ni-Based Self-Fluxing Remelted Coatings for Wear and Corrosion Applications, Kazamer, N; Muntean, R; (...); Serban, VA, Jun 2021, MATERIALS 14 (12) **20/7=2,85**		
92. Baltatu, M.S., Vizureanu, P., Sandu, A.V., Munteanu, C., Istrate, B., Microstructural Analysis and Tribological Behavior of Ti-Based Alloys with a Ceramic Layer Using the Thermal Spray Method, COATINGS, Volume: 10, Issue: 12, Article Number: 1216, Published: 2020, (74,00) **1.** Straumal, B.B.; Anisimova, N.Y.; Kiselevskiy, M.V.; Novruzov, K.M.; Korneva, A.; Gornakova, A.S.; Kilmametov, A.R.; Sommadossi, S.; Davdian, G. Influence of the Phase Composition of Titanium Alloys on Cell Adhesion and Surface Colonization. Materials 2023, 16, 7130. https://doi.org/10.3390/ma16227130 **20/5 =4** **2.** Darweesh, S.Y., Rasheed, R.A. & Abdullah, M.A. Treatment of Failures in Turbine Blades by Cermet Coatings. J Fail. Anal. and Preven. 23, 2461–2470 (2023). https://doi.org/10.1007/s11668-023-01788-4 **15/5=3** **3.** Yan, X., Cao, W. & Li, H. Novel Biomedical Ti-Based Alloys with Low Young's Modulus: A First-Principles Study. J. of Materi Eng and Perform (2023). https://doi.org/10.1007/s11665-023-08393-4 **20/5 =4** **4.** Olivier, F.; Drouet, C.; Marsan, O.; Sarou-Kanian, V.; Rekima, S.; Gautier, N.; Fayon, F.; Bonnamy, S.; Rochet, N. Long-Term Fate and Efficacy of a Biomimetic (Sr)-Apatite-Coated Carbon Patch Used for Bone Reconstruction. J. Funct. Biomater. 2023, 14, 246. https://doi.org/10.3390/jfb14050246 **20/5 =4** **5.** Luiz, V.D.; Santos, A.J.d.; Câmara, M.A.; Rodrigues, P.C.d.M. Influence of Different Contact Conditions on Friction Properties of AISI 430 Steel Sheet with Deep Drawing Quality. Coatings 2023, 13, 771. https://doi.org/10.3390/coatings13040771 **20/5 =4** **6.** Xu, M.; Yu, X.; Zhang, S.; Yan, S.; Tarbokov, V.; Remnev, G.; Le, X. Microstructure Formation and Mechanical Properties of Metastable Titanium-Based Gradient Coating Fabricated via Intense Pulse Ion Beam Melt Mixing. Materials 2023, 16, 3028. https://doi.org/10.3390/ma16083028 20/5 =4 **7.** Grigoriev, S.; Sotova, C.; Vereschaka, A.; Uglov, V.; Cherenda, N. Modifying Coatings for Medical Implants Made of Titanium Alloys. Metals 2023, 13, 718. https://doi.org/10.3390/met13040718 **20/5 =4** **8.** Widodo, P.; Mulyawan, W.; Djustiana, N.; Joni, I.M. Synthesis and Characterization of Zirconia–Silica PMMA Nanocomposite for Endodontic Implants. Dent. J. 2023, 11, 57. https://doi.org/10.3390/dj11030057 **20/5 =4** **9.** Lavrys, S.; Pohrelyuk, I.; Tkachuk, O.; Padgurskas, J.; Trush, V.; Proskurnyak, R. Comparison of Friction Behaviour of Titanium Grade 2 after Non-Contact Boriding in Oxygen-Containing Medium with Gas Nitriding. Coatings 2023, 13, 282. https://doi.org/10.3390/coatings13020282 **20/5 =4** **10.** Lian, Y.; Cui, M.; Han, A.; Liu, Z.; Zhang, J. Multi-Criteria Optimization of Automatic Electro-Spark Deposition TiCrNiVSi0.1 Multi-Principal Element Alloy Coating on TC4 Alloy. Coatings 2023, 13, 214. https://doi.org/10.3390/coatings13010214 **20/5 =4** **11.** Migranov, M.S.; Shehtman, S.R.; Sukhova, N.A.; Mitrofanov, A.P.; Gusev, A.S.; Migranov, A.M.; Repin, D.S. Study of Tribotechnical Properties of Multilayer Nanostructured Coatings and Contact Processes during Milling of Titanium Alloys. Coatings 2023, 13, 171. https://doi.org/10.3390/coatings13010171 **20/5 =4** **12.** Onur Çomaklı, Mustafa Yazıcı, Merve Demir, Ali Fatih Yetim, Ayhan Çelik, Effect of bilayer numbers on structural, mechanical, tribological and corrosion properties of TiO2–SiO2 multilayer film-coated β-type Ti45Nb alloys, Ceramics International, Volume 49, Issue 2, 2023, Pages 3007-3015, ISSN 0272-8842, https://doi.org/10.1016/j.ceramint.2022.09.285. **30/5 =6**		

Structura activităţii	Restricţii Prof	Punctaj
13. Nejneru, C.; Burduhos-Nergis, D.-P.; Axinte, M.; Perju, M.C.; Bejinariu, C. Analysis of the Physical-Mechanical Properties of the Zinc Phosphate Layer Deposited on a Nodular Cast Iron Substrate. Coatings 2022, 12, 1384. https://doi.org/10.3390/coatings12101384 , **20/5 =4** **14.** Kowalski, S.; Gonciarz, W.; Belka, R.; Góral, A.; Chmiela, M.; Lechowicz, Ł.; Kaca, W.; Żórawski, W. Plasma-Sprayed Hydroxyapatite Coatings and Their Biological Properties. Coatings 2022, 12, 1317. https://doi.org/10.3390/coatings12091317 , **20/5 =4** **15.** Kaczmarek, K.; Konieczny, B.; Siarkiewicz, P.; Leniart, A.; Lukomska-Szymanska, M.; Skrzypek, S.; Lapinska, B. Surface Characterization of Current Dental Ceramics Using Scanning Electron Microscopic and Atomic Force Microscopic Techniques. Coatings 2022, 12, 1122. https://doi.org/10.3390/coatings12081122 **20/5 =4** **16.** Wang, Y.; Xu, Z.; Wang, W.; Zhang, C.; Yu, Z.; Fang, H.; Yang, T. Preparation and CMAS Wettability Investigation of CMAS Corrosion Resistant Protective Layer with Micro-Nano Double Scale Structure. Coatings 2022, 12, 648. https://doi.org/10.3390/coatings12050648 **20/5 =4** 17. Duda, A; Kopycinski, B. Application of thermal spray technologies in anticorrosive coatings: a short review, OCHRONA PRZED KOROZJA, Volume 65, Issue 2, Page 37-42, DOI10.15199/40.2022.2.1 **5/5 =1** 18. Roman, AM (Roman, A. -M.) [1] ; Chelariu, R (Chelariu, R.) [1] ; Cimpoesu, R (Cimpoesu, R.) [1] ; Stirbu, I (Stirbu, I.) [1] ; Ionita, I (Ionita, I.) [1] ; Cazacu, MM (Cazacu, M. M.) [2] ; Prisecariu, BA (Prisecariu, B. A.) [3] ; Cimpoesu, N (Cimpoesu, N.) [3] ; Pietrusiewicz, P (Pietrusiewicz, P.) [4] ; Sodor, A (Sodor, A.) [3]. Analysis of the Corrosion Rate of FeMn-Si Biodegradable Material, Archives of Metallurgy and Materials, ARCHIVES OF METALLURGY AND MATERIALS, 2022, Volume 67, Issue 4, Page 1243-1250, DOI10.24425/amm.2022.141048 **10/5 =2** 19. Panaghie, C (Panaghie, C.) [1] ; Cimpoesu, N (Cimpoesu, N.) [1] ; Benchea, M (Benchea, M.) [2] ; Roman, AM (Roman, A-M) [1] ; Manole, V (Manole, V) [1] ; Alexandru, A (Alexandru, A.) [1] ; Cimpoesu, R (Cimpoesu, R.) [1] ; Cazacu, MM (Cazacu, M. M.) [3] ; Wnuk, I (Wnuk, I) [4] ; Zegan, G (Zegan, G.) [5, “In-vitro” Tests on New Biodegradable Metallic Material Based on ZnMgY. Archives of Metallurgy and Materials, Volume 67, Issue 2, Page 587-594 **10/5 =2** 20. Li, F.; Sun, S.; Xu, Y.; Tian, L.; Wang, Y.; Xu, Z.; Li, R. Microstructure and Wear Behaviors of Plasma-Sprayed MoAlB Ceramic Coating. Coatings 2021, 11, 474. https://doi.org/10.3390/coatings11040474 **20/5 =4** **21.** Hu, Y.; Wang, Z.; Ai, J.; Bu, S.; Liu, H. Preparation of Coating on the Titanium Surface by Micro-Arc Oxidation to Improve Corrosion Resistance. Coatings 2021, 11, 230. https://doi.org/10.3390/coatings11020230 **20/5 =4** **93. Verestiuc, L., Spataru, M.C., Baltatu, M.S., Butnaru, M., Solcan, C., Sandu, A.V., Voiculescu, I., Geanta, V., Vizureanu, P., New Ti-Mo-Si materials for bone prosthesis applications, JOURNAL OF THE MECHANICAL BEHAVIOR OF BIOMEDICAL MATERIALS, Volume: 113, Article Number: 104198, Published: 2021, (47,17)** 1. Fangxia Xie, Qichao Sun, Yanming Mu, Shu Cao, Guangqing Wu, Zeyi Lu, Tribological behavior and in vitro biocompatibility of powder metallurgical Ti–15Mo/HA composite for bone repair, Journal of the Mechanical Behavior of Biomedical Materials, Volume 152, 2024, 106466, ISSN 1751-6161, https://doi.org/10.1016/j.jmbbm.2024.106466Â **20/9 = 2,22** 2. Straumal, B.B.; Anisimova, N.Y.; Kiselevskiy, M.V.; Novruzov, K.M.; Korneva, A.; Gornakova, A.S.; Kilmametov, A.R.; Sommadossi, S.; Davdian, G. Influence of the Phase Composition of Titanium Alloys on Cell Adhesion and Surface Colonization. Materials 2023, 16, 7130. https://doi.org/10.3390/ma16227130 **20/9 = 2,22**		

Structura activităţii	Restricţii Prof	Punctaj
3. El-Sayed Seleman, M.M.; Ataya, S.; Aly, H.A.; Haldar, B.; Alsaleh, N.A.; Ahmed, M.M.Z.; Bakkar, A.; Ibrahim, K.M. Effect of the Si Content on the Dry and Wet Sliding Wear Behavior of the Developed Ti-15Mo-(0-2) Si Alloys for Biomedical Applications. Metals 2023, 13, 1861. https://doi.org/10.3390/met13111861 **20/9 =2,22** 4. Chelu M, Musuc AM. Advanced Biomedical Applications of Multifunctional Natural and Synthetic Biomaterials. Processes. 2023; 11(9):2696. https://doi.org/10.3390/pr11092696 **20/9 = 2,22** **5.** Aly, H.A.; El-Sayed Seleman, M.M.; Bakkar, A.; Albaijan, I.; Ahmed, M.M.Z.; Ibrahim, K.M. Effect of Si Content on the Thermal Expansion of Ti15Mo(0–2 Si) Biomaterial Alloys during Different Heating Rates. Materials 2023, 16, 4768. https://doi.org/10.3390/ma16134768 **20/9 = 2,22** **6.** Choi, S.-r.; Kwon, J.-w.; Suk, K.-s.; Kim, H.-s.; Moon, S.-h.; Park, S.-y.; Lee, B.H. The Clinical Use of Osteobiologic and Metallic Biomaterials in Orthopedic Surgery: The Present and the Future. Materials 2023, 16, 3633. https://doi.org/10.3390/ma16103633 **20/9 = 2,22** **7.** Xianzhe Shi, Xiuxia Wang, Biao Chen, Junko Umeda, Abdollah Bahador, Katsuyoshi Kondoh, Jianghua Shen, Precision control of oxygen content in CP-Ti for ultra-high strength through titanium oxide decomposition: An in-situ study, Materials & Design, Volume 227, 2023, 111797, ISSN 0264-1275, https://doi.org/10.1016/j matdes.2023.111797. **30/9 =3,33** 8. Senopati, G.; Rahman Rashid, R.A.; Kartika, I.; Palanisamy, S. Recent Development of Low-Cost β-Ti Alloys for Biomedical Applications: A Review. Metals 2023, 13, 194. https://doi.org/10.3390/met13020194 **20/9 = 2,22** 9. 90. 9. Gornakova, A.S.; Korneva, A.; Tyurin, A.I.; Afonikova, N.S.; Kilmametov, A.R.; Straumal, B.B. Omega Phase Formation and Mechanical Properties of Ti–1.5 wt.% Mo and Ti–15 wt.% Mo Alloys after High-Pressure Torsion. Processes 2023, 11, 221. https://doi.org/10.3390/pr11010221 **20/9 = 2,22** 10. Shi, L., Tu, F. & Jiang, T. Effect of surface nanosizing on the wear and corrosion resistance of β-type titanium alloy TB11. Proc.Indian Natl. Sci. Acad. 89, 201–212 (2023). https://doi.org/10.1007/s43538-022-00135-9 **20/9 = 2,22** 11. Zhang, M.; Yun, X.; Fu, H. Effect of BASC and BASCA Heat Treatment on Microstructure and Mechanical Properties of TC10 Titanium Alloy. Materials 2022, 15, 8249. https://doi.org/10.3390/ma15228249 **20/9 =2,22** 12. Wei Chen, Qifeng Li, Libo Zhou, Wei Qiu, Yanjie Ren, Cong Li, Jian Chen, Yongcheng Lin, Kechao Zhou, Oxidation mechanism of a near β-Ti alloy, Materials & Design, Volume 223, 2022, 111144, ISSN 0264-1275, https://doi.org/10.1016/j.matdes.2022.111144. **30/9 =2,22** 13. Jincheng Tang, Zhongzhen Wu, Xiyu Yao, Yinghao Zhou, Yi Xiong, Yulong Li, Jingyuan Xu, Matthew S. Dargusch, Ming Yan, From bio-inertness to osseointegration and antibacterial activity: A one-step micro-arc oxidation approach for multifunctional Ti implants fabricated by additive manufacturing, Materials & Design, Volume 221, 2022, 110962, ISSN 0264-1275, https://doi.org/10.1016/j matdes.2022.110962. **30/9 =2,22** 14. Rontescu, C.; Amza, C.-G.; Bogatu, A.-M.; Cicic, D.-T.; Anania, F.D.; Burlacu, A. Reconditioning by Welding of Prosthesis Obtained through Additive Manufacturing. Metals 2022, 12, 1177. https://doi.org/10.3390/met12071177 **20/9 =2,22** 15. Kenneth Kanayo Alaneme, Sodiq Abiodun Kareem, Blessing Ngozi Ozah, Hassan A. Alshahrani, Oluwadamilola Abigael Ajibuwa, Application of finite element analysis for optimizing selection and design of Ti-based biometallic alloys for fractures and tissues rehabilitation: a review, Journal of Materials Research and Technology, Volume 19, 2022, Pages 121-139, ISSN 2238-7854, https://doi.org/10.1016/j.jmrt.2022.05.001. **30/9 =3,33** 16. Bittredge, O.; Hassanin, H.; El-Sayed, M.A.; Eldessouky, H.M.; Alsaleh, N.A.; Alrasheedi, N.H.; Essa, K.; Ahmadein, M. Fabrication and Optimisation of Ti-6Al-4V Lattice-Structured Total Shoulder Implants Using Laser Additive Manufacturing. Materials 2022, 15, 3095. https://doi.org/10.3390/ma15093095 **20/9 =2,22**		

Structura activităţii	Restricţii Prof	Punctaj
17. Socorro-Perdomo, P.P.; Florido-Suárez, N.R.; Mirza-Rosca, J.C.; Saceleanu, M.V. EIS Characterization of Ti Alloys in Relation to Alloying Additions of Ta. Materials 2022, 15, 476. https://doi.org/10.3390/ma15020476 **20/9 =2,22** 18. Gornakova, A.S., Straumal, B.B., Golovin, Y.I. et al. Phase Transformations and Mechanical Properties of Two-Component Titanium Alloys after Heat Treatment in the Two-Phase Region (α + Intermetallic Compound) and High-Pressure Torsion. J. Surf. Investig. 15, 1154–1158 (2021). https://doi.org/10.1134/S1027451021060082 **5/9 =0,55** 19. Matuła, I.; Dercz, G.; Sowa, M.; Barylski, A.; Duda, P. Fabrication and Characterization of New Functional Graded Material Based on Ti, Ta, and Zr by Powder Metallurgy Method. Materials 2021, 14, 6609. https://doi.org/10.3390/ma14216609 **20/9 =2,22** 20. Gornakova, A.S.; Straumal, B.B.; Mazilkin, A.A.; Afonikova, N.S.; Karpov, M.I.; Novikova, E.A.; Tyurin, A.I. Phase Composition, Nanohardness and Young's Modulus in Ti-Fe Alloys after Heat Treatment and High Pressure Torsion. Metals 2021, 11, 1657. https://doi.org/10.3390/met11101657 **20/9 =2,22** **21.** Ferraris, S.; Warchomicka, F.; Barberi, J.; Cochis, A.; Scalia, A.C.; Spriano, S. Contact Guidance Effect and Prevention of Microfouling on a Beta Titanium Alloy Surface Structured by Electron-Beam Technology. Nanomaterials 2021, 11, 1474. https://doi.org/10.3390/nano11061474 **20/9 =2,22** **94. Savinkin, VV; Sandu, AV; Ratushnaya, TY; Vizureanu, P; Kolisnichenko, SV; Omarov, MS, STUDY OF REDISTRIBUTION OF THE OIL COMPLEX POWER DRIVE FFECTIVENESS FOR MARGINAL WELLS WHEN INSTALLING CONSTRUCTION OF RECUPERATIVE ACTION ELECTRO HYDRO CYLINDER, BULLETIN OF THE TOMSK POLYTECHNIC UNIVERSITY-GEO ASSETS ENGINEERING, Vol 332, issue 2 , 2021, pp. 229-244, (3,33)** 1. Evaluation of the energy efficiency of functioning and increase in the operating time of hydraulic drives of sucker-rod pump units in difficult operating conditions, Shishlyannikov, DI; Zverev, VY; (...); Ivanchenko, AA, 2023, JOURNAL OF MINING INSTITUTE 261 , pp.349-362 **20/6=3,33** **95. Spataru, M.C., Butnaru, M., Sandu, A.V., Vulpe, V., Vlad, M.D., Baltatu, M.S., Geanta, V., Voiculescu, I., Vizureanu, P., Solcan, C., In-depth assessment of new Ti-based biocompatible materials, MATERIALS CHEMISTRY AND PHYSICS, Volume: 258, Article Number: 123959, Published: 2021, (37,50)** 1. Optimizing Suitable Mechanical Properties for a Biocompatible Beta-Titanium Alloy by Combining Plastic Deformation with Solution Treatment, Irimescu, RE; Raducanu, D; (...); Zarnescu-Ivan, N, Dec 2024, MATERIALS 17 (23) **20/10=2,00** 2. Mechanical properties and biocompatibility evaluation of TiZrNbTaFe high entropy alloy films deposited using a hybrid HiPIMS and RF sputtering system, Wu, PS; Chao, H; (...); Lou, BS, Oct 30 2024, SURFACE & COATINGS TECHNOLOGY 494 **30/10=3,00** 3. Spark Plasma Sintering of Pure Titanium: Microstructure and Mechanical Characteristics, Digole, S; Karki, S; (...); Borkar, T, Jul 2024, MATERIALS 17 (14) **20/10=2,00** 4. Research progress of metal biomaterials with potential applications as cardiovascular stents and their surface treatment methods to improve biocompatibility, Duan, XJ; Yang, YM; (...); Li, HM, Feb 29 2024, HELIYON 10 (4) **20/10=2,00** 5. Influence of the Phase Composition of Titanium Alloys on Cell Adhesion and Surface Colonization, Straumal, BB; Anisimova, NY; (...); Davdian, G., Nov 2023, MATERIALS 16 (22) **20/10=2,00** 6. Modification of structural, mechanical, corrosion and biocompatibility properties of Ti40Zr10Cu36Pd14 metallic glass by minor Ga and Sn additions, Lachová, A; Stoica, M; (...); Sovák, P., Apr 15 2023, JOURNAL OF ALLOYS AND COMPOUNDS 940 **30/10=3,00**		

Structura activităţii	Restricţii Prof	Punctaj
7. Electrochemical deposition of a hydroxyapatite layer onto the surface of porous additively manufactured Ti6Al4V scaffolds, Gorejová, R; Orinaková, R; (...); Hudák, R, Feb 25 2023, SURFACE & COATINGS TECHNOLOGY 455 **30/10=3,00** 8. Influence of pH on the corrosion behavior of biomedical Ti/Au/ZrO2 brazing joints, Lin, DY; Hu, JX; (...); Hu, SP, Feb 1 2023, MATERIALS CHEMISTRY AND PHYSICS 295 **20/10=2,00** 9. Effect of BASC and BASCA Heat Treatment on Microstructure and Mechanical Properties of TC10 Titanium Alloy, Zhang, MY; Yun, XB and Fu, HW, Nov 2022, MATERIALS 15 (22) **20/10=2,00** 10. Synthesis of Tantalum Carbide Using Purified Hexane by Titanium Powder, Hwang, SM; Hong, JW; (...); Lee, DW, Nov 2022, MATERIALS 15 (21) **20/10=2,00** 11. Versatile Medium Entropy Ti-Based Bulk Metallic Glass Composites, Liu, TZ; Zhao, YC; (...); Gong, P, Oct 2022, MATERIALS 15 (20) **20/10=2,00** 12. Bio-high entropy alloys: Progress, challenges, and opportunities, Feng, JY; Tang, YJ; (...); Wang, LQ, Sep 8 2022, FRONTIERS IN BIOENGINEERING AND BIOTECHNOLOGY 10 **20/10=2,00** 13. Hybrid Ti6Al4V/Silk Fibroin Composite for Load-Bearing Implants: A Hierarchical Multifunctional Cellular Scaffold, Murchio, S; Benedetti, M; (...); Maniglio, D., Sep 2022, MATERIALS 15 (17) **20/10=2,00** 14. Design of a Novel Trabecular Acetabular Cup and Selective Laser Melting Fabrication, Wang, CY; Sun, BY; (...); Yang, G., Sep 2022, MATERIALS 15 (17) **20/10=2,00** 15. Strength of Fiber Posts with Experimental TiO2 and ZrO2 Particle Bonding-An SEM, EDX, Rheometric and Push-Out Strength Study, Al-Saleh, S; Vohra, F; (...); Abduljabbar, T., Aug 2022, COATINGS 12 (8) **20/10=2,00** 16. A Review of Anodized TiNbSn Alloys for Improvement in Layer Quality and Application to Orthopedic Implants, Mori, Y; Masahashi, N and Aizawa, T, Aug 2022, MATERIALS 15 (15) **20/10=2,00** 17. Formation and Thermal Stability of the ω-Phase in Ti-Nb and Ti-Mo Alloys Subjected to HPT, Korneva, A; Straumal, B; (...); Zieba, P, Jun 2022, MATERIALS 15 (12) **20/10=2,00** 18. Recent progress in development and applications of biomaterials, Ajmal, S; Hashmi, FA and Imran, I, International Conference on Advances in Materials and Mechanical Engineering. (ICAMME), 2022, MATERIALS TODAY-PROCEEDINGS 62 , pp.385-391 **5/10=0,50** **96. Shahedan, NF; Abdullah, MMA; Mahmed, N; Kusbiantoro, A; Tammas-Williams, S; Li, LY; Aziz, IH; Vizureanu, P; Wyslocki, JJ; Bloch, K; Nabialek, M, Properties of a New Insulation Material Glass Bubble in Geopolymer Concrete, Materials, Volume 14, Issue 4, DOI, 10.3390/ma14040809, Article Number 809, Published 2021. (27,00)** 1. Experimental Study on the Effect of Date Palm Powder on the Thermal and Physico-Mechanical Properties of Gypsum Mortars, Kethiri, MA; Belghar, N; (...); Tedeschi, C., Apr 2024, SUSTAINABILITY 16 (7) **20/10=2,00** 2. FIBREGLASS REINFORCEMENT INFLUENCE ON THE MECHANICAL BEHAVIOUR OF AN ABS- PMMA- FIBREGLASS COMPOSITE MATERIAL, Platon, MA and Nemes, O, 2024, ARCHIVES OF METALLURGY AND MATERIALS 69 (4) , pp.1637-1642 **10/10=1,00** 3. Preparation and characterization of silica aerogel foam concrete: Effects of particle size and content, Li, Z; Wang, GC; (...); Wu, XX, Apr 1 2024, JOURNAL OF BUILDING ENGINEERING 82 **30/10=3,00** 4. Integration of phase change material and thermal insulation material as a passive strategy for building cooling in the tropics, Ong, PJ; Lum, YY; (...); Zhu, Q Jul 10 2023, CONSTRUCTION AND BUILDING MATERIALS 386 **30/10=3,00**		

Structura activităţii	Restricţii Prof	Punctaj
5. Experimental study on flexural behavior of precast hybrid UHPC-NSC beams, Yang, Y; Xu, C; (...); Wang, K, Jul 1 2023, JOURNAL OF BUILDING ENGINEERING 70 **30/10=3,00** 6. Investigation on the Effect of Calcium on the Properties of Geopolymer Prepared from Uncalcined Coal Gangue, Wang, QP; Zhu, LT; (...); Chen, S, Mar 2023, POLYMERS 15 (5) **20/10=2,00** 7. Sulfate resistance of class C/class F fly ash geopolymers, Jiao, ZZ; Li, XY; (...); Hu, P, Mar-apr 2023, JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T 23 , pp.1767-1780 **30/10=3,00** 8. The effect of alkali concentration on the properties of activated tungsten tailings, Li, SM; Shou, K; (...); Liu, ZK, Mar 2023, ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH 30 (12) , pp.34623-34635 **10/10=1,00** 9. Mineral Composite Plaster Containing Hollow Glass Microspheres and CSA Cement for Building Insulation, Zelder, S; Rosin, A; (...); Schaffoener, S., Feb 2022, APPLIED SCIENCES-BASEL 12 (3) **20/10=2,00** 10. RECLAMATION AND REUTILIzATION OF INCINERATOR ASH IN ARTIFICIAL LIGHTWEIGHT AGGREGATE, Ibrahim, NM; Amat, RC; (...); Razak, ARA, 2022, ARCHIVES OF METALLURGY AND MATERIALS 67 (1) , pp.269-275 **10/10=1,00** 11. Methodologies for the Possible Integral Generation of Geopolymers Based on Copper Tailings, Castillo, H; Collado, H; (...); Palma, S., Dec 2021, MINERALS 11 (12) **20/10=2,00** 12. Experimental Study of the Mechanical and Microstructure Characteristics of Coal Gangue Road Stabilization Materials Based on Alkali Slag Cementation, Wang, CB; Yang, JX and Xu, SZ, Jul 2021, MATERIALS 14 (13) **20/10=2,00** 13. Factors Affecting the Compressive Strength of Geopolymers: A Review, Castillo, H; Collado, H; (...); Palma, S, Dec 2021, MINERALS 11 (12) **20/10=2,00** **97. Zaimi, N.S.M.; Salleh, M.A.A.M.; Sandu, A.V.; Abdullah, M.M.A.B.; Saud, N.; Rahim, S.Z.A.; Vizureanu, P.; Said, R.M.; Ramli, M.I.I. Performance of Sn-3.0Ag-0.5Cu Composite Solder with Kaolin Geopolymer Ceramic Reinforcement on Microstructure and Mechanical Properties under Isothermal Ageing. Materials 2021, 14, 776. https://doi.org/10.3390/ma14040776 (16,09)** 1. Physical, mechanical properties and microstructure of waste GBFS-based geopolymer incorporated with metakaolin and SiC whiskers(SiCw), Feng, BW; Lu, ZZ; (...); Li, YX, Aug 15 2024, JOURNAL OF BUILDING ENGINEERING 91 **30/9=3,33** 2. Effect of ZnO nanoparticle addition on the wettability, microstructure and mechanical properties of In-45.6Sn-5Bi low temperature solder, Ye, LM; Liu, YS; (...); Li, XD, Aug 2024, JOURNAL OF MATERIALS SCIENCE 59 (31) , pp.14661-14675 **20/9=2,22** 3. Advanced 3D Through-Si-Via and Solder Bumping Technology: A Review, Jang, YJ; Sharma, A and Jung, JP, Dec 2023, MATERIALS 16 (24) **20/9=2,22** 4. Study on the properties of low silver Sn1.0Ag0.5Cu composite solder reinforced with nickel-plated zinc oxide and its soldering joint, Liu, P; Zhang, KK; (...); Gao, Y, Dec 2023, MATERIALS TODAY COMMUNICATIONS 37 **20/9=2,22** 5. Recent advances in Sn-based lead-free solder interconnects for microelectronics packaging: Materials and technologies, Dele-Afolabi, TT; Ansari, MNM; (...); Atiqah, A, Jul-aug 2023, JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T 25 , pp.4231-4263 **30/9=3,33** 6. Effects of TiO2 Nanoparticles on Growth Behavior of IMCs between Sn/Cu joint during isothermal stage of soldering, Xiao, TY and Shang, SS, 24th International Conference on Electronic Packaging Technology (ICEPT) **5/9=0,55** 7. Tin Whiskers' Behavior under Stress Load and the Mitigation Method for Immersion Tin Surface Finish, Fadil, NA; Yusof, SZ; (...);, Ourdjini, A, Nov 2021, MATERIALS 14 (22) **20/9=2,22**		

Structura activităţii	Restricţii Prof	Punctaj
98. Cimpoeșu, R.; Vizureanu, P.; Știrbu, I.; Sodor, A.; Zegan, G.; Prelipceanu, M.; Cimpoeșu, N.; Ioanid, N. Corrosion-Resistance Analysis of HA Layer Deposited through Electrophoresis on Ti4Al4Zr Metallic Substrate. Appl. Sci. 2021, 11, 4198. https://doi.org/10.3390/app11094198 (5,00) 1. Tribological Behavior and Microstructural Analysis of Atmospheric Plasma Spray Deposited Thin Coatings on Cardan Cross Spindles, Munteanu, C; Paleu, V; (...); Ancas, AD, Dec 2021, MATERIALS 14 (23) **20/8=2,50** 2. Mitigating Corrosion Effects of Ti-48Al-2Cr-2Nb Alloy Fabricated via Electron Beam Melting (EBM) Technique by Regulating the Immersion Conditions, Abdo, HS; Samad, UA; (...); Seikh, AH, Aug 2021, CRYSTALS 11 (8) **20/8=2,50** **99. Othman, R.; Jaya, R.P.; Muthusamy, K.; Sulaiman, M.; Duraisamy, Y.; Abdullah, M.M.A.; Przybyl, A.; Sochacki, W.; Skrzypczak, T. Vizureanu, P.; Sandu, A.V., Relation between Density and Compressive Strength of Foamed Concrete, MATERIALS 2021, Volume 14 Issue 11 DOI 10.3390/ma14112967 Article Number 2967 (106,9)** 1. Mussey, BK; Damoah, LNW; Akoto, RNA; Bensah, YD, Optimization of concrete mix design for enhanced performance and durability: integrating chemical and physical properties of aggregates, COGENT ENGINEERING, 2024, 11, 1, 2347370, 10.1080/23311916.2024.2347370 **20/11=1,81** 2. Lim, JN; Liew, YM; Heah, CY; Tan, WH; Ken, PW; Pakawanit, P; Tee, HW; Hang, YJ; Ong, SW; Ooi, WE, Unveiling physico-mechanical and acoustical characteristics of fly ash geopolymers through the synergistic impact of density and porosity, JOURNAL OF BUILDING ENGINEERING, 2024, 91, 109684, 10.1016/j.jobe.2024.109684 IF:6.7 **30/11=2,72** 3. Jiang, SJ; Wang, YT; Hua, SD; Yue, HF; Zhang, YA, Preparation and Performance Characterization of Low-Density 3D-Printed Expanded Perlite-Foam Concrete, APPLIED SCIENCES-BASEL, 2024, 14, 15, 6796, 10.3390/app14156796 **20/11=1,81** 4. Owais, M; Idriss, LK, Modeling green recycled aggregate concrete using machine learning and variance-based sensitivity analysis, CONSTRUCTION AND BUILDING MATERIALS, 2024, 440, 137393, 10.1016/j.conbuildmat.2024.137393 **30/11=2,72** 5. Xu, TY; Garrecht, H, Effects of Mixing Techniques and Material Compositions on the Compressive Strength and Thermal Conductivity of Ultra-Lightweight Foam Concrete, MATERIALS, 2024, 17, 11, 2640, 10.3390/ma17112640 **20/11=1,81** 6. Cardoso, AD; Rabbani, ERK; da Silva, AL; de Sá, MKCRG; Monteiro, EB; Shakouri, M, Evaluating Sururu shell waste (Mytella falcata) as an eco-friendly recycled aggregate in mortar production, FRONTIERS IN BUILT ENVIRONMENT, 2024, 10, 1381169, 10.3389/fbuil.2024.1381169 **20/11=1,81** 7. Simsek, O; Ünal, MT; Gökçe, HS, Performance of foam concrete developed from construction and demolition waste, MATERIALS TODAY SUSTAINABILITY, 2024, 27, 100822, 10.1016/j.mtsust.2024.100822 **30/11=2,72** 8. Zhang, C; Zhu, ZD; Shi, L; Kang, XL; Wan, Y; Huo, WW; Yang, L, Compressive strength and sensitivity analysis of fly ash composite foam concrete: Efficient machine learning approach, ADVANCES IN ENGINEERING SOFTWARE, 2024, 192, 103634, 10.1016/j.advengsoft.2024.103634 **20/11=1,81** 9. Mydin, MAO; Jagadesh, P; Bahrami, A; Dulaimi, A; Ozkilic, YO; Omar, R, Enhanced fresh and hardened properties of foamed concrete modified with nano-silica, HELIYON, 2024, 10, 4, e25858, 10.1016/j.heliyon.2024.e25858 **20/11=1,81** 10. Alharthai, M; Mydin, MAO; Alimrani, NS; Majeed, SS; Tayeh, BA, Evaluating deterioration of the properties of lightweight foamed concrete at elevated temperatures, JOURNAL OF BUILDING ENGINEERING, 2024, 84, 108515, 10.1016/j.jobe.2024.108515 **30/11=2,72**		

Structura activităţii	Restricţii Prof	Punctaj
11. Meng, LH; Wang, L; Chen, JB; Xu, Q; Liu, BW; Yang, MH; Yang, SW; Zhang, ZH, Impact response of lightweight steel foam concrete composite slabs: Experimental, numerical and analytical studies, PLOS ONE, 2024, 19, 1, e0296303, 10.1371/journal.pone.0296303 **20/11=1,81** 12. Masoule, MST; Ghahremaninezhad, A; Wang, XY, Effect of Poly(ethylene glycol)-Poly(propylene glycol) Triblock Copolymers on Autogenous Shrinkage and Properties of Cement Pastes, BUILDINGS, 2024, 14, 1, 283, 10.3390/buildings14010283 **20/11=1,81** 13. Anthony, EN; Rizalman, AN; Thurairajah, AR; Zainal, SMIS; Sulaiman, MF, MIXING SEQUENCE EFFECT OF CEMENT COMPOSITES WITH CARBON FIBRES, IIUM ENGINEERING JOURNAL, 2024, 25, 1, 142, 152, 10.31436/iiumej.v25i1.2983 **5/11=0,45** 14. Yildizel, SA; Uzun, M; Arslan, MA; Ozbakkaloglu, T, The prediction and evaluation of recycled polypropylene fiber and aggregate incorporated foam concrete using Artificial Neural Networks, CONSTRUCTION AND BUILDING MATERIALS, 2024, 411, 134646, 10.1016/j.conbuildmat.2023.134646 **30/11=2,72** 15. Xu, LL; Li, X; Atif, M; Li, YL, Effect of density value and gradient distribution on the deformation mechanism of foamed concrete, THIN-WALLED STRUCTURES, 2024, 196, 111487, 10.1016/j.tws.2023.111487 **30/11=2,72** 16. Mahapatra, D; Madav, V; Setty, ABTP, Mechanical and dynamic thermal performance evaluation of rice husk blended cement plaster when used with different bricks, JOURNAL OF BUILDING ENGINEERING, 2024, 82, 108120, 10.1016/j.jobe.2023.108120 **30/11=2,72** 17. Kohphaisansombat, C; Jongpipitaporn, Y; Laoratanakul, P; Tantipaibulvut, S; Euanorasetr, J; Rungjindamai, N; Chuaseeharonnachai, C; Kwantong, P; Somrithipol, S; Boonyuen, N, Fabrication of mycelium (oyster mushroom)-based composites derived from spent coffee grounds with pineapple fibre reinforcement, MYCOLOGY-AN INTERNATIONAL JOURNAL ON FUNGAL BIOLOGY, 2023, , 10.1080/21501203.2023.2273355 **20/11=1,81** 18. Huang, W; Chen, XD; Feng, L; Ji, T; Ning, YJ; Wang, J, Experimental investigation of mechanical behavior and microstructural properties in roadbed foam concrete at different densities and correlation analysis, CASE STUDIES IN CONSTRUCTION MATERIALS, 2023, 19, e02565, 10.1016/j.cscm.2023.e02565 **30/11=2,72** 19. Wang, ZC; Wu, K; Liu, SY; Huang, L; Zhang, X; Li, MY, Correlation between microstructure characteristics and macroscopic behaviors of alkali residue-based foamed concrete, JOURNAL OF SUSTAINABLE CEMENT-BASED MATERIALS, 2024, 13, 2, 197, 212, 10.1080/21650373.2023.2261061 **20/11=1,81** 20. Xiang, JZ; Liu, HR; Zhang, SP; Lu, H; Fan, HY; Shi, C, Discrete element simulation and theoretical calculation of flowability of cementitious suspensions containing attapulgite, JOURNAL OF BUILDING ENGINEERING, 2023, 78, 107580, 10.1016/j.jobe.2023.107580 **30/11=2,72** 21. Kamisetty, A; Gandhi, ISR; Kumar, A, Combined effect of fly ash and fiber on spreadability, strength and water permeability of foam concrete, JOURNAL OF BUILDING ENGINEERING, 2023, 78, 107607, 10.1016/j.jobe.2023.107607 **30/11=2,72** 22. Ghonaim, S; Morsy, R, Utilization of Ceramic Waste Material as Cement Substitution in Concrete, BUILDINGS, 2023, 13, 8, 2067, 10.3390/buildings13082067 **20/11=1,81** 23. Wang, X; Munir, MJ; Wu, YF, Effect of mix design parameters on the behavior of compression cast concrete, JOURNAL OF BUILDING ENGINEERING, 2023, 76, 107399, 10.1016/j.jobe.2023.107399 **30/11=2,72** 24. Zhang, J; Yang, H; Zhang, SW; Feng, TG; Li, YL, Potential utilization of CO2 foams in developing lightweight building materials, JOURNAL OF BUILDING ENGINEERING, 2023, 76, 107342, 10.1016/j.jobe.2023.107342 **30/11=2,72** 25. Abdulqader, M; Khalid, HR; Ibrahim, M; Adekunle, SK; Al-Osta, MA; Ahmad, S; Sajid, M, Physicochemical properties of limestone calcined clay cement (LC3) concrete made using Saudi clays, JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T, 2023, 25, 2769, 2783, 10.1016/j.jmrt.2023.06.114 **30/11=2,72**		

Structura activităţii	Restricţii Prof	Punctaj
26. Prischepa, IA; Sarkisov, YS; Gorlenko, NP; Samchenko, SV; Zemskova, OV; Kozlova, IV, Nanomodification of Non-Autoclaved Foam Concrete, RUSSIAN PHYSICS JOURNAL, 2023, 66, 2, 205, 212, 10.1007/s11182-023-02927-y **5/11=0,45** 27. Özçelikci, E; Oskay, A; Bayer, IR; Sahmaran, M, Eco-hybrid cement-based building insulation materials as a circular economy solution to construction and demolition waste, CEMENT & CONCRETE COMPOSITES, 2023, 141, 105149, 10.1016/j.cemconcomp.2023.105149 **30/11=2,72** 28. Kuoribo, E; Shokry, H; Hassanin, AH; Asawa, T; Mahmoud, H, Optimizing concrete performance: An investigation into the impact of supplementary cementitious materials and sand particle sizes, MATERIALS LETTERS, 2023, 347, 134593, 10.1016/j matlet.2023.134593 **20/11=1,81** 29. Teymouri, E; Pauzi, NNM; Wong, KS, Developing Lignite Pervious Concrete for Application in Pedestrian Walkways and Urban Runoff Treatment, IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY-TRANSACTIONS OF CIVIL ENGINEERING, 2023, 47, 5, 2949, 2967, 10.1007/s40996-023-01113-x **15/11=1,36** 30. Gao, YA; Hua, SD; Yue, HF, Study on Preparation and Rheological Properties of 3D Printed Pre-Foaming Concrete, APPLIED SCIENCES-BASEL, 2023, 13, 9, 5303, 10.3390/app13095303 **20/11=1,81** 31. Yang, Y; Xu, C; Yang, J; Wang, K, Experimental study on flexural behavior of precast hybrid UHPC-NSC beams, JOURNAL OF BUILDING ENGINEERING, 2023, 70, 106354, 10.1016/j.jobe.2023.106354 **30/11=2,72** 32. Ta, X; Wan, ZJ; Zhang, Y; Qin, SB; Zhou, JL, Effect of carbonation and foam content on CO2 foamed concrete behavior, JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T, 2023, 23, 6014, 6022, 10.1016/j.jmrt.2023.02.178 **30/11=2,72** 33. Kamiya, O; Takahashi, M; Miyano, Y; Ito, S; Murata, K; Kawano, M; Maisawa, A; Nanao, J; Kazumi, T; Nakatsu, M; Mizuma, H; Miyota, T; Nagao, K; Iwama, Y, Dismantling of Reinforced Concrete Using Steam Pressure Cracking System: Drilling and Crack Propagation, MATERIALS, 2023, 16, 4, 1398, 10.3390/ma16041398 **20/11=1,81** 34. Beskopylny, AN; Shcherban', EM; Stel'makh, SA; Mailyan, LR; Meskhi, B; Varavka, V; Chernil'nik, A; Pogrebnyak, A, Improved Fly Ash Based Structural Foam Concrete with Polypropylene Fiber, JOURNAL OF COMPOSITES SCIENCE, 2023, 7, 2, 76, 10.3390/jcs7020076 **20/11=1,81** 35. Chen, Z; Liu, YS; Wang, MZ; Zhang, BY; Wang, W, Effect of coarse aggregate grading optimization on temperature, thermal stress and compressive strength of carbon fiber-reinforced concrete by ohmic heating curing, JOURNAL OF BUILDING ENGINEERING, 2023, 66, 105882, 10.1016/j.jobe.2023.105882 **30/11=2,72** 36. Jaini, ZM; Rum, RHM; Hakim, SJS; Mokhatar, SN, Application of Foamed Concrete and Cold-Formed Steel Decking as Lightweight Composite Slabs: Experimental Study On Structural Behaviour, INTERNATIONAL JOURNAL OF INTEGRATED ENGINEERING, 2023, 15, 2, 91, 103, 10.30880/ijie.2023.15.02.009 **5/11=0,45** 37. Song, HM; Yu, J; Oh, JE; Suh, JI, Production of lightweight cementless binders using supplementary cementitious materials to replace autoclaved aerated concrete blocks, JOURNAL OF CLEANER PRODUCTION, 2023, 384, 135397, 10.1016/j.jclepro.2022.135397 **30/11=2,72** 38. Liu, J; Ge, TE; Wu, YD; Chen, R, Effect of Sand-to-Cement Ratio on Mechanical Properties of Foam Concrete, BUILDINGS, 2022, 12, 11, 1969, 10.3390/buildings12111969 **20/11=1,81** 39. Xian, GD; Liu, Z; Wang, Z; Zhou, XJ, Study on the Performance and Mechanisms of High-Performance Foamed Concrete, MATERIALS, 2022, 15, 22, 7894, 10.3390/ma15227894 **20/11=1,81** 40. Zhang, X; Feng, XP; Wang, ZP; Jian, JC; Chen, S; Luo, W; Zhang, C, Experimental study on the physico-mechanical properties and microstructure of foam concrete mixed with coal gangue, CONSTRUCTION AND BUILDING MATERIALS, 2022, 359, 129428, 10.1016/j.conbuildmat.2022.129428 **30/11=2,72**		

Structura activităţii	Restricţii Prof	Punctaj
41. Jiang, T; Wang, Y; Shi, SS; Yuan, N; Ma, R; Wu, XF; Shi, DD; Sun, K; Zhao, YT; Li, WE; Yu, JH, Compressive behavior of lightweight concrete using aerogel-reinforced expanded polystyrene foams, CASE STUDIES IN CONSTRUCTION MATERIALS, 2022, 17, e01557, 10.1016/j.cscm.2022.e01557 **30/11=2,72** 42. Bone, JR; Stafford, R; Hall, AE; Herbert, RJH, Biodeterioration and bioprotection of concrete assets in the coastal environment, INTERNATIONAL BIODETERIORATION & BIODEGRADATION, 2022, 175, 105507, 10.1016/j.ibiod.2022.105507 **20/11=1,81** 43. Salamanova, M; Murtazaev, SA; Saidumov, M; Alaskhanov, A; Murtazaeva, T; Fediuk, R, Recycling of Cement Industry Waste for Alkali-Activated Materials Production, MATERIALS, 2022, 15, 19, 6660, 10.3390/ma15196660 **20/11=1,81** 44. Salami, BA; Iqbal, M; Abdulraheem, A; Jalal, FE; Alimi, W; Jamal, A; Tafsirojjaman, T; Liu, Y; Bardhan, A, Estimating compressive strength of lightweight foamed concrete using neural, genetic and ensemble machine learning approaches, CEMENT & CONCRETE COMPOSITES, 2022, 133, 104721, 10.1016/j.cemconcomp.2022.104721 **30/11=2,72** 45. Liu, W; Huang, MP; Luo, XD; Liang, JW; Yang, G; An, D; Wei, S; Xie, ZP, pH-responsive hierarchically porous self-assembly bioinspired Al2O3 ceramic membranes, CERAMICS INTERNATIONAL, 2022, 48, 15, 22246, 22253, 10.1016/j.ceramint.2022.04.228 **30/11=2,72** 46. Li, CB; Li, XT; Li, S; Guan, D; Xiao, C; Xu, YY; Soloveva, VY; Dalerjon, H; Qin, PJ; Liu, XH, Effect of Maintenance and Water-Cement Ratio on Foamed Concrete Shrinkage Cracking, POLYMERS, 2022, 14, 13, 2703, 10.3390/polym14132703 **20/11=1,81** 47. Liu, J; Ren, YZ; Chen, R; Wu, YD; Lei, WD, The Effect of Pore Structure on Impact Behavior of Concrete Hollow Brick, Autoclaved Aerated Concrete and Foamed Concrete, MATERIALS, 2022, 15, 12, 4075, 10.3390/ma15124075 **20/11=1,81** 48. Gupta, S; Kashani, A; Mahmood, AH, Carbon sequestration in engineered lightweight foamed mortar - Effect on rheology, mechanical and durability properties, CONSTRUCTION AND BUILDING MATERIALS, 2022, 322, 126383, 10.1016/j.conbuildmat.2022.126383 **30/11=2,72** 49. Izvolt, L; Dobes, P; Drusa, M; Kadela, M; Holesova, M, Experimental and Numerical Verification of the Railway Track Substructure with Innovative Thermal Insulation Materials, MATERIALS, 2022, 15, 1, 160, 10.3390/ma15010160 **20/11=1,81** 50. Maqsoom, A; Aslam, B; Gul, ME; Ullah, F; Kouzani, AZ; Mahmud, MAP; Nawaz, A, Using Multivariate Regression and ANN Models to Predict Properties of Concrete Cured under Hot Weather, SUSTAINABILITY, 2021, 13, 18, 10164, 10.3390/su131810164 **20/11=1,81** **100. M.Z.M. MOKHTAR, M.A.A.M. SALLEH, A.V. SANDU, M.M. RAMLI, J. CHAIPRAPA, P. VIZUREANU, M.I.I. RAMLI, Effect of Electromigration and Thermal Ageing on the Tin Whiskers' Formation in Thin Sn-0.7Cu-0.05Ga Lead (Pb)-Free Solder Joints, COATINGS, 11(8), 2021, Article Number 935, DOI 10.3390/coatings11080935 (22,81)** 1. Recycling Lithium-Ion Batteries-Technologies, Environmental, Human Health, and Economic Issues-Mini-Systematic Literature Review Man, GT; Iordache, AM; (...); Nechita, C, Dec 2024, MEMBRANES 14 (12) **20/7=2,85** 2. Mechanical properties and microstructure evolution of Sn-Bi-based solder joints by microalloying regulation mechanism, Wu, XF; Hou, ZZ; (...); Zhao, XC, Jul-aug 2024, JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T 31 , pp.3226-3237 **30/7=4,28** 3. Spontaneous growth of Sn whisker on the hot-dipping Al-Sn alloy coating on Fe-Cr-B cast steel, Zhang, XM; Zheng, ZH; (...); Luo, HF, Aug 2024, MATERIALS CHARACTERIZATION 214 **20/7=2,85**		

Structura activităţii	Restricţii Prof	Punctaj
4. Comparative study on the bonding property of laser and reflow soldered Sn-3.0Ag-0.5Cu/Ni-P microbumps after isothermal aging and multiple reflowing, Wu, Y; Zhang, ZJ; (...); Zhang, SY, Mar-apr 2024, JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T 29 , pp.2868-2878 **30/7=4,28** 5. Interfacial intermetallic compound modification to extend the electromigration lifetime of copper pillar joints, Yang, DS and Huang, YL, Jan 4 2023, FRONTIERS IN MATERIALS 9 **20/7=2,85** 6. Study of Thermal Stress Fluctuations at the Die-Attach Solder Interface Using the Finite Element Method, Yan, LC; Yao, JW; (...); Wang, YB, Jan 2022, ELECTRONICS 11 (1) **20/7=2,85** 7. Tin Whiskers' Behavior under Stress Load and the Mitigation Method for Immersion Tin Surface Finish, Fadil, NA; Yusof, SZ; (...); Ourdjini, A, Nov 2021, MATERIALS 14 (22) **20/7=2,85** **101. Baltatu, M.S.; Vizureanu, P.; Sandu, A.V.; Florido-Suarez, N.; Saceleanu, M.V.; Mirza-Rosca, J.C. New Titanium Alloys, Promising Materials for Medical Devices. Materials 2021, 14, 5934. https://doi.org/10.3390/ma14205934 (77,43)** 1. F. Fabiola Jemmie Shilparani, S. Gnanavel, K.N. ArulJothi, Evaluation of innovative fluroapatite /silicon dioxide modified zirconia nanocomposites coated on Ti–13Nb–13Zr alloy for dental implant application, Ceramics International, Volume 50, Issue 17, Part A, 2024, Pages 29676-29685, ISSN 0272-8842, https://doi.org/10.1016/j.ceramint.2024.05.265 , **30/6 = 5,00** 2. Yunqing Li, Xiaorui Liu, Binil Starly, Manufacturing service capability prediction with Graph Neural Networks, Journal of Manufacturing Systems, Volume 74, 2024, Pages 291-301, ISSN 0278-6125, https://doi.org/10.1016/j.jmsy.2024.03.010 , **30/6 = 5,00** **3.** Szczęsny G, Kopec M, Łukaszewicz A, Kowalewski Z. Identification of the damage mechanism in orthopaedic implant. Case study including the biomechanical analysis. International Journal of Damage Mechanics. 2023;0(0). doi:10.1177/10567895231215553 , **20/6 = 3,33** 4. Łukaszewicz A, Kopec M, Szczęsny G, Kowalewski ZL. Characteristics of orthopaedic implants damage and mechanisms of its initiation. International Journal of Damage Mechanics. 2023;0(0). doi:10.1177/10567895231212329 , **20/6 =3,33** 5. El-Sayed Seleman, M.M.; Ataya, S.; Aly, H.A.; Haldar, B.; Alsaleh, N.A.; Ahmed, M.M.Z.; Bakkar, A.; Ibrahim, K.M. Effect of the Si Content on the Dry and Wet Sliding Wear Behavior of the Developed Ti-15Mo-(0-2) Si Alloys for Biomedical Applications. Metals 2023, 13, 1861. https://doi.org/10.3390/met13111861 , **20/6 = 3,33** 6. Zha, X., Qin, H., Yuan, Z. et al. Effect of cutting feed rate on machining performance and surface integrity in cutting process of Ti-6Al-4V alloy. Int J Adv Manuf Technol 131, 2791–2809 (2024). https://doi.org/10.1007/s00170-023-12458-y , **20/6 = 3,33** 7. Aly, H.A.; El-Sayed Seleman, M.M.; Bakkar, A.; Albaijan, I.; Ahmed, M.M.Z.; Ibrahim, K.M. Effect of Si Content on the Thermal Expansion of Ti15Mo(0–2 Si) Biomaterial Alloys during Different Heating Rates. Materials 2023, 16, 4768. https://doi.org/10.3390/ma16134768 , **20/6 = 3,33** 8. Posarelli, M.; Romano, D.; Tucci, D.; Giannaccare, G.; Scorcia, V.; Taloni, A.; Pagano, L.; Borgia, A. Ocular-Surface Regeneration Therapies for Eye Disorders: The State of the Art. BioTech 2023, 12, 48. https://doi.org/10.3390/biotech12020048 , **5/6 = 0,83** 9. Cai, B., Yuan, D., Li, G. et al. Promoting Osseointegration of New Innocuous Ti–18Zr–13Mo Implant Through Constructing Hierarchically Structured Bioactive Coating. Met. Mater. Int. 29, 3402–3417 (2023). https://doi.org/10.1007/s12540-023-01455-1 , **20/6 = 3,33** 10. Zhang, L.; Shao, M.; Zhang, Z.; Yi, X.; Yan, J.; Zhou, Z.; Fang, D.; He, Y.; Li, Y. Corrosion Behavior of Nitrided Layer of Ti6Al4V Titanium Alloy by Hollow Cathodic Plasma Source Nitriding. Materials 2023, 16, 2961. https://doi.org/10.3390/ma16082961 , **20/6 = 3,33**		

Structura activităţii	Restricţii Prof	Punctaj
11. Tsutsumi, Y.; Tsutsumi, H.; Manaka, T.; Chen, P.; Ashida, M.; Katayama, H.; Hanawa, T. Development of a Surface Treatment to Achieve Long-Lasting Antimicrobial Properties and Non-Cytotoxicity through Simultaneous Incorporation of Ag and Zn via Two-Step Micro-Arc Oxidation. Coatings 2023, 13, 627. https://doi.org/10.3390/coatings13030627 , **20/6 = 3,33** 12. Saha, S.; Roy, S. Metallic Dental Implants Wear Mechanisms, Materials, and Manufacturing Processes: A Literature Review. Materials 2023, 16, 161. https://doi.org/10.3390/ma16010161 , **20/6 = 3,33** 13. Spitznagel, F.A.; Hoppe, J.S.; Bonfante, E.A.; Campos, T.M.B.; Langner, R.; Gierthmuehlen, P.C. Failure Load and Fatigue Behavior of Monolithic and Bi-Layer Zirconia Fixed Dental Prostheses Bonded to One-Piece Zirconia Implants. Materials 2022, 15, 8465. https://doi.org/10.3390/ma15238465 , **20/6 = 3,33** 14. Dharmarajan, L.; Prakash, P.S.G.; Appukuttan, D.; Crena, J.; Subramanian, S.; Alzahrani, K.J.; Alsharif, K.F.; Halawani, I.F.; Alnfiai, M.M.; Alamoudi, A.; et al. The Effect of Laser Micro Grooved Platform Switched Implants and Abutments on Early Crestal Bone Levels and Peri-Implant Soft Tissues Post 1 Year Loading among Diabetic Patients—A Controlled Clinical Trial. Medicina 2022, 58, 1456. https://doi.org/10.3390/medicina58101456 , **20/6 = 3,33** 15. Noreen, S.; Wang, E.; Feng, H.; Li, Z. Functionalization of TiO2 for Better Performance as Orthopedic Implants. Materials 2022, 15, 6868. https://doi.org/10.3390/ma15196868 , **20/6 = 3,33** 16. Liu, J.; Liu, Z.; Yan, Y.; Wang, X. Study on the CBN Wheel Wear Mechanism of Longitudinal-Torsional Ultrasonic-Assisted Grinding Applied to TC4 Titanium Alloy. Micromachines 2022, 13, 1480. https://doi.org/10.3390/mi13091480 , **20/6 = 3,33** 17. Murchio, S.; Benedetti, M.; Berto, A.; Agostinacchio, F.; Zappini, G.; Maniglio, D. Hybrid Ti6Al4V/Silk Fibroin Composite for Load-Bearing Implants: A Hierarchical Multifunctional Cellular Scaffold. Materials 2022, 15, 6156. https://doi.org/10.3390/ma15176156 , **20/6 = 3,33** 18. Wang, C.; Sun, B.; Zhang, Y.; Wang, C.; Yang, G. Design of a Novel Trabecular Acetabular Cup and Selective Laser Melting Fabrication. Materials 2022, 15, 6142. https://doi.org/10.3390/ma15176142 , **20/6 = 3,33** 19. Kaczmarek, K.; Konieczny, B.; Siarkiewicz, P.; Leniart, A.; Lukomska-Szymanska, M.; Skrzypek, S.; Lapinska, B. Surface Characterization of Current Dental Ceramics Using Scanning Electron Microscopic and Atomic Force Microscopic Techniques. Coatings 2022, 12, 1122. https://doi.org/10.3390/coatings12081122 , **20/6 = 3,33** 20. Ryu, B.; Okada, Y.; Fujita, N.; Nagasaka, Y. A Novel Magnetic Resonance Imaging-Compatible Titanium Alloy Wire-Reinforced Endotracheal Tube. Materials 2022, 15, 5632. https://doi.org/10.3390/ma15165632 , **20/6 = 3,33** 21. Mori, Y.; Masahashi, N.; Aizawa, T. A Review of Anodized TiNbSn Alloys for Improvement in Layer Quality and Application to Orthopedic Implants. Materials 2022, 15, 5116. https://doi.org/10.3390/ma15155116 , **20/6 = 3,33** 22. Pascu, C.I.; Nicolicescu, C.; Cioateră, N.; Gheorghe, Ș.; Geonea, I.; Didu, A. Characterization of Titanium Alloy Obtained by Powder Metallurgy. Materials 2022, 15, 2057. https://doi.org/10.3390/ma15062057 , **20/6 = 3,33** **23.** Gudić, S.; Vrsalović, L.; Kvrgić, D.; Nagode, A. Electrochemical Behaviour of Ti and Ti-6Al-4V Alloy in Phosphate Buffered Saline Solution. Materials 2021, 14, 7495. https://doi.org/10.3390/ma14247495 **20/6 = 3,33** **102. Z. YAHYA, M.M.A. ABDULLAH, L.Y. LI, D.D.B., NERGIS, M.A.A. HAKIMI, A.V. SANDU, P. VIZUREANU, R.A. RAZAK, Behavior of Alkali-Activated Fly Ash through Underwater Placement, MATERIALS, 14 (22), 2021, Article Number 6865, DOI10.3390/ma14226865. (14,98)** 1. Alkali-activated cements as sustainable materials for repairing building construction: A review, Kryvenko, P; Rudenko, I; (...); Kropyvnytska, T, Aug 1 2024, JOURNAL OF BUILDING ENGINEERING 90 **30/7=4,28** 2. The influence of carbon nanotube on underwater geopolymer paste based on metakaolin and slag, Ziada, M; Tanyildizi, H and Uysal, M		

Structura activităţii	Restricţii Prof	Punctaj
Feb 2 2024, CONSTRUCTION AND BUILDING MATERIALS 414 **30/7=4,28** 3. Performance of Reactive Powder Underwater Concrete: An Experimental and Statistical Investigation of Physico-Mechanical Characteristics, Alsaffar, DM; Al-Shathr, BS and Abed, SK, Nov 2023 (Early Access), IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY-TRANSACTIONS OF CIVIL ENGINEERING, **15/7=2,14** 4. Anti-washout Concrete: An overview, Lu, H; Sun, X and Ma, HY, Aug 15 2022, CONSTRUCTION AND BUILDING MATERIALS 344 **30/7=4,28** 103. **BALTATU M.S., SPATARU M.C., VERESTIUC L., BALAN V., SOLCAN C., SANDU A.V., GEANTA V., VOICULESCU I., VIZUREANU P., Design, Synthesis, and Preliminary Evaluation for Ti-Mo-Zr-Ta-Si Alloys for Potential Implant Applications, Materials 2021, 14, 6806. https://doi.org/10.3390/ma14226806 (25,53)** 1. Strengthening of Ta-W alloys by alloying Zr elements: First-principles calculation and experimental perspective, Peng, XL; Tong, YG; (...); Liang, XB, May 5 2024, JOURNAL OF ALLOYS AND COMPOUNDS 983 **30/9=3,33** 2. COMPARISON OF CORROSION BEHAVIOR OF TWO STAINLESS STEELS FOR MEDICALAPPLICATIONS, Fachikova, D and Ilieva, G, 2024, ARCHIVES OF METALLURGY AND MATERIALS 69 (4) , pp.1669-1674 **10/9=1,11** 3. Microstructural, Mechanical, and Electrochemical Characterization of CrMoNbTiZr High-Entropy Alloy for Biomedical Application Akinwekomi, A and Akhtar, F., Aug 2023, MATERIALS 16 (15) **20/9=2,22** 4. Tensile Deformation and Fracture of Unreinforced AZ91 and Reinforced AZ91-C at Temperatures up to 300 °C, Alrasheedi, NH; Ataya, S; (...); Ahmed, MMZ, Jul 2023, MATERIALS 16 (13) **20/9=2,22** 5. Analysis of Degradation Products of Biodegradable ZnMgY Alloy, Panaghie, C; Zegan, G; (...); Ioanid, N, Apr 2023, MATERIALS 16 (8) **20/9=2,22** 6. Biodegradable Cements for Bone Regeneration, Liu, DC; Cui, C; (...); Chen, S, Mar 2023, JOURNAL OF FUNCTIONAL BIOMATERIALS 14 (3) **30/9=3,33** 7. Phase Equilibria of the Ti-Nb-Mn Ternary System at 1173K, 1273K and 1373K, Li, CB; Guo, HY; (...); Zhang, LG Feb 2023, PROCESSES 11 (2) **20/9=2,22** 8. Antimicrobial Properties of TiNbSn Alloys Anodized in a Sulfuric Acid Electrolyte, Mori, Y; Fujimori, S; (...); Masahashi, N Feb 2023, MATERIALS 16 (4) **20/9=2,22** 9. Microstructural Features and Microhardness of the Ti-6Al-4V Alloy Synthesized by Additive Plasma Wire Deposition Welding Semenova, IP; Shchitsyn, YD; (...); Pesin, MV, Feb 2023, MATERIALS 16 (3) **20/9=2,22** 10. Current Research Studies of Mg-Ca-Zn Biodegradable Alloys Used as Orthopedic Implants-Review, Istrate, B; Munteanu, C; (...); Lupescu, SC, Oct 2022, CRYSTALS 12 (10) **20/9=2,22** 11. Smart Web Service of Ti-Based Alloy's Quality Evaluation for Medical Implants Manufacturing, Izonin, I; Tkachenko, R; (...); Lotoshynska, N, May 2022, APPLIED SCIENCES-BASEL 12 (10) **20/9=2,22** **104. M.C. SPATARU, F.D. COJOCARU, A.V. SANDU, C. SOLCAN, I.A. DUCEAC, M.S. BALTATU, I. VOICULESCU, V. GEANTA, P. VIZUREANU, Assessment of the Effects of Si Addition to a New TiMoZrTa System, MATERIALS, 14 (24), 2021, Article Number 7610, DOI10.3390/ma14247610. (23,86)**		

Structura activităţii	Restricţii Prof	Punctaj
1. Functionalized graphene nano-platelet reinforced magnesium-based biocomposites for potential implant applications, Zhang, XL; Hong, JM and Chen, G, Sep 2024 (Early Access), PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART B-JOURNAL OF ENGINEERING MANUFACTURE **15/9=1,66** 2. Effects of Co on the microstructure evolution and mechanical properties of Ti-4Al-6Cr-5Mo-8 Nb alloy by ultrasonic vacuum melting Yu, JC; Fang, HZ; (...); Guo, JJ., Jun 25 2024, JOURNAL OF ALLOYS AND COMPOUNDS 989 **30/9=3,33** 3. COMPARISON OF CORROSION BEHAVIOR OF TWO STAINLESS STEELS FOR MEDICALAPPLICATIONS, Fachikova, D and Ilieva, G., 2024, ARCHIVES OF METALLURGY AND MATERIALS 69 (4) , pp.1669-1674 **10/9=1,11** 4. Influence of the Phase Composition of Titanium Alloys on Cell Adhesion and Surface Colonization, Straumal, BB; Anisimova, NY; (...); Davdian, G, Nov 2023, MATERIALS 16 (22) **20/9=2,22** 5. Titanium Alloy Fabricated by Additive Manufacturing for Medical Applications: Obtaining, Characterization and Application-Review Zhang, XJ; Liu, S; (...); Shi, WT, Mar 2023, METALS 13 (3) **20/9=2,22** 6. Antimicrobial Properties of TiNbSn Alloys Anodized in a Sulfuric Acid Electrolyte, Mori, Y; Fujimori, S; (...); Masahashi, N, Feb 2023 MATERIALS 16 (4) **20/9=2,22** 7. The Application of Biomaterials in Spinal Cord Injury, Feng, C; Deng, L; (...); Wu, AG, Jan 2023, INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES 24 (1) **20/9=2,22** 8. Biocompatibility and Connectivity of Semiconductor Nanostructures for Cardiac Tissue Engineering Applications, Gaetani, R; Derevyanchuk, Y; (...); Palma, F, Nov 2022, BIOENGINEERING-BASEL 9 (11) **20/9=2,22** 9. Reconditioning by Welding of Prosthesis Obtained through Additive Manufacturing, Rontescu, C; Amza, CG; (...); Burlacu, A Jul 2022, METALS 12 (7) **20/9=2,22** 10. Research on Underwater Wet Laser Self-Fusion Welding Process and Analysis of Microstructure and Properties of TC4 Titanium Alloy Weld, Cai, ZH; Du, X; (...); Wang, HD, May 2022, MATERIALS 15 (9) **20/9=2,22** 11. Fabrication and Optimisation of Ti-6Al-4V Lattice-Structured Total Shoulder Implants Using Laser Additive Manufacturing, Bittredge, O; Hassanin, H; (...); Ahmadein, M, May 2022, MATERIALS 15 (9) **20/9=2,22** **105. V.V. SAVINKIN, Z.Z. ZHUMEKENOVA, A.V. SANDU, P. VIZUREANU, S.V. SAVINKIN, S.N. KOLISNICHENKO, O.V. IVANOVA, Study of Wear and Redistribution Dynamic Forces of Wheel Pairs Restored by a Wear-Resistant Coating 15Cr17Ni12V3F, COATINGS, 11(12), 2021, Article Number 1441, DOI 10.3390/coatings11121441 (2,85)** 1. INFLUENCE OF CORROSION ON THERMO-MECHANI CAL CONTACT FATIGUE IN ROLLING CONDITIONS WITH LOW AMPLITUDE SLIDING, Mistreanu, S; Tudose-Sandu-Ville, F; (...); Cimpoesu, N , 2024, ARCHIVES OF METALLURGY AND MATERIALS 69 (2) , pp.631-638 **20/7=2,85** **106. I. LUHAR, S. LUHAR, M.M.A. ABDULLAH, R.A. RAZAK, P. VIZUREANU, A.V. SANDU, P.D. MATASARU, A State-of-the-Art Review on Innovative Geopolymer Composites Designed for Water and Wastewater Treatment, MATERIALS, 14 (23), 2021, Article Number 7456, DOI10.3390/ma14237456. (108,35)** 1. Engineering mushroom mycelium for a greener built environment: Advancements in mycelium-based biocomposites and bioleather, Shankar, MP; Hamza, A; (...); Kumar, DS, Dec 2024, FOOD BIOSCIENCE 62 **20/7=2,85**		

Structura activităţii	Restricţii Prof	Punctaj
2. Geopolymer-hydroxyapatite composite foams for wastewater remediation, Papa, E; Medri, V and Landi, E, Dec 1 2024, CERAMICS INTERNATIONAL 50 (23) , pp.50377-50387 **30/7=4,28** 3. A nutrient circular economy framework for wastewater treatment plants, Soo, A and Shon, HK, Dec 21 2024, DESALINATION 592 **30/7=4,28** 4. 3D-printing bauxite residue/fly ash-containing geopolymers as promising metal sorbents for water treatment, Almeida, MM; Gonçalves, NPF; (...); Novais, RM, Dec 15 2024, WASTE MANAGEMENT 190 , pp.35-44 **30/7=4,28** 5. Chemistry of zeolites and zeolite based composite membranes as a cutting-edge candidate for removal of organic dyes & heavy metal ions: Progress and future directions, Tufail, MK; Ifrahim, M; (...); Kurkuri, M, Feb 19 2025, SEPARATION AND PURIFICATION TECHNOLOGY 354 **30/7=4,28** 6. Mobility of Zn and Cu in Bentonites: Implications for Environmental Remediation, Nartowska, E; Podlasek, A; (...); Kozlowski, T, Jun 2024, MATERIALS 17 (12) **20/7=2,85** 7. Emulsion synthetic route of hierarchically porous zeolite-geopolymer composites for Sr2+ decontamination in fixed bed process, Gossard, A; Henriet, L; (...); Grandjean, A, Jun 1 2024, CERAMICS INTERNATIONAL 50 (11) , pp.19692-19701 **20/7=2,85** 8. Modification of geo-filters (Basic Oxygen Furnace Slag - NaOH/Na2SiO3/FA) for the removal of Fe3+ and SO42- ions from acidic mine effluent in fixed bed column: Artificial intelligence modelling, Sithole, T; Orero, B; (...); Okonta, F, May 2024, JOURNAL OF WATER PROCESS ENGINEERING 61 **30/7=4,28** 9. Synthesis of multifunctional mesoporous geopolymer under hydrothermal curing: High mechanical resistance and efficient removal of methylene blue from aqueous medium, Amin, MS; Ramadan, M; (...); Abdel-Aziz, AM, Apr 2024, DEVELOPMENTS IN THE BUILT ENVIRONMENT 18 **30/7=4,28** 10. Solidification Mechanism and Strength Characteristics of Alkali-Activated Tannery Sludge-Slag Geopolymer, Chen, SK; Duan, PD; (...); Bie, YJ, Apr 2024, BUILDINGS 14 (4) **20/7=2,85** 11. Regression and Cluster Analysis of GGBS based geopolymer compositeat different proportion of Ceramic Dust, Parashar, AK; Kumar, A; (...); Abduvalieva, D, Dec 2023, INDIAN JOURNAL OF ENGINEERING AND MATERIALS SCIENCES 30 (6) , pp.747-756 **5/7=0,71** 12. Geopolymers: Advanced Materials in Medicine, Energy, Anticorrosion and Environmental Protection, Kudlacik-Kramarczyk, S; Drabczyk, A; (...); Korniejenko, K, Dec 2023, MATERIALS 16 (23), **20/7=2,85** 13. Multiwalled carbon nanotubes as hard templates to yield advanced geopolymer-based self-assembled nanostructured ceramics, Xu, YZ; Lee, H; (...); Akono, AT, Dec 2023, MECHANICS RESEARCH COMMUNICATIONS 134 **15/7=2,14** 14. Optimizing raw material composition and alkali content in low silicon-aluminum tailings-based geopolymers, Wang, H; Wang, L; (...); Liu, SH, Nov 10 2023, CONSTRUCTION AND BUILDING MATERIALS 404 **30/7=4,28** 15. Development of Clay-Composite Plasters Integrating Industrial Waste, Hegyi, A; Petcu, C; (...); Bradu, A, Jul 2023, MATERIALS 16 (14) **20/7=2,85** 16. Microbial-Based Heavy Metal Bioremediation: Toxicity and Eco-Friendly Approaches to Heavy Metal Decontamination, Zhou, B; Zhang, TJ and Wang, F, Jul 2023, APPLIED SCIENCES-BASEL 13 (14) **20/7=2,85** 17. A state-of-the-art review of recent advances in porous geopolymer: Applications in adsorption of inorganic and organic contaminants in water, Ettahiri, Y; Bouargane, B; (...); Novais, RM, Sep 1 2023, CONSTRUCTION AND BUILDING MATERIALS 395 **30/7=4,28** 18. Adsorption of Heavy Metals from Contaminated Water using Leachate Modular Tower, Aneke, F and Adu, J, Jun 2023, CIVIL ENGINEERING JOURNAL-TEHRAN 9 (6) , pp.1522-1541 **20/7=2,85**		

Structura activităţii	Restricţii Prof	Punctaj
19. A comprehensive review on sustainable clay-based geopolymers for wastewater treatment: circular economy and future outlook, Maged, A; Abd El-Fattah, H; (...); Elgarahy, AM, Jun 2023, ENVIRONMENTAL MONITORING AND ASSESSMENT 195 (6) **20/7=2,85** 20. Study on the Possibilities of Developing Cementitious or Geopolymer Composite Materials with Specific Performances by Exploiting the Photocatalytic Properties of TiO2 Nanoparticles, Hegyi, A; Lazarescu, AV; (...); Stoian, V, May 15 2023, MATERIALS 16 (10) **20/7=2,85** 21. Review of Geopolymer Nanocomposites: Novel Materials for Sustainable Development, Drabczyk, A; Kudlacik-Kramarczyk, S; (...); Furtos, G, Apr 29 2023, MATERIALS 16 (9) **20/7=2,85** 22. The Influence of Substitution of Fly Ash with Marble Dust or Blast Furnace Slag on the Properties of the Alkali-Activated Geopolymer Paste, Ionescu, BA; Barbu, AM; (...); Florean, C., Feb 2023, COATINGS 13 (2) **20/7=2,85** 23. Open-cell mullite ceramic foams derived from porous geopolymer precursors with tailored porosity, Shao, JH; Bai, CY; (...); Colombo, P Feb 2023, JOURNAL OF ADVANCED CERAMICS 12 (2) , pp.279-295 **20/7=2,85** 24. Hydration Characteristics And Leaching Behavior of Different Mixes Of Slag Based-Geopolymer Cement In Presence Of Heavy Metals, Ahmed, DA; Ragai, SM and Abdallah, SH, Jan 2023, EGYPTIAN JOURNAL OF CHEMISTRY 66 (1) , pp.37-48 **15/7=2,14** 25. On the Sustainable Utilization of Geopolymers for Safe Management of Radioactive Waste: A Review, Phillip, E; Choo, TF; (...); Rahman, RAO, Jan 2023, SUSTAINABILITY 15 (2) **20/7=2,85** 26. Column Adsorption Studies for the Removal of Ammonium Using Na-Zeolite-Based Geopolymers, Sundhararasu, E; Runtti, H; (...); Tuomikoski, S., Dec 2022, RESOURCES-BASEL 11 (12) **20/7=2,85** 27. Physical, Mechanical and Radiological Characteristics of a Fly Ash Geopolymer Incorporating Titanium Dioxide Waste as Passive Fire Insulating Material in Steel Structures, Salazar, PA; Fernandez, CL; (...); Fernández-Pereira, C, Dec 2022, MATERIALS 15 (23) **20/7=2,85** 28. Evaluation of the Nature and Concentration of the Surfactant on the Properties of Red Mud/Metakaolin Porous Geopolymers Foamed with Aluminium, Bilici, S; Carvalheiras, J; (...); Novais, RM, Nov 2022, MATERIALS 15 (21) **20/7=2,85** 29. A mini guideline study for fly ash-based alkali activated foam masonry units, Kurtulus, C and Baspinar, MS., Oct-dec 2022, MATERIALES DE CONSTRUCCION 72 (348) **15/7=2,14** 30. Geopolymer: A Systematic Review of Methodologies, Matsimbe, J; Dinka, M; (...); Musonda, I., Oct 2022, MATERIALS 15 (19) **20/7=2,85** 31. A Bibliometric Analysis of Research Trends in Geopolymer, Matsimbe, J; Dinka, M; (...); Musonda, I, Oct 2022, MATERIALS 15 (19) **20/7=2,85** 32. Photocatalytic activity of ZnO-PbS nanoscale toward Allura Red AC in an aqueous solution: Characterization and mechanism study, Ramesh, A and Nezamzadeh-Ejhieh, A, Jan 1 2023, JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY 434 **20/7=2,85** 33. Porous geopolymers as innovative adsorbents for the removal of organic and inorganic hazardous substances: a mini-review, El Alouani, M; Aouan, B; (...); Barka, N, Dec 18 2024, INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY 104 (16) , pp.4784-4796 **20/7=2,85** 34. Environmental and human health implications of metal(loid)s: Source identification, contamination, toxicity, and sustainable clean-up technologies, Kumar, P; Gacem, A; (...); Cabral-Pinto, MMS, Aug 26 2022, FRONTIERS IN ENVIRONMENTAL SCIENCE 10 **20/7=2,85** 35. A Z-scheme CdS/BiVO4 photocatalysis towards Eriochrome black T: An experimental design and mechanism study, Hemmatpour, P and Nezamzadeh-Ejhieh, A, Nov 2022, CHEMOSPHERE 307 **30/7=4,28**		

Structura activităţii	Restricţii Prof	Punctaj
107. Baltatu, M.S.; Sandu, A.V.; Nabialek, M.; Vizureanu, P.; Ciobanu, G. Biomimetic Deposition of Hydroxyapatite Layer on Titanium Alloys. Micromachines 2021, 12, 1447. https://doi.org/10.3390/mi12121447 (87,00) 1. Optimizing biomimetic hydroxyapatite coating on Ti-6Al-6Mo alloy: influence of immersion time, Dwijaya, MS; Kartika, I; (...); Setyawan, ADH, Oct 1 2024, PHYSICA SCRIPTA 99 (10) **20/5=4,00** 2. The synergic effect of nanosecond fiber laser and drug-loaded electrospun PVA coating on metallurgical and biological characteristics of Ti-6Al-4 V alloy, Rajabi, T; Naffakh-Moosavy, H and Bagheri, F, Aug 2024, APPLIED SURFACE SCIENCE ADVANCES 22 **30/6=5,00** 3. Hydroxyapatite nano-pillars on TI-6Al-4V: Enhancements in cell spreading and proliferation during cell/surface integration Osafo, SA; Etinosa, PO; (...); Soboyejo, WO, Oct 2024, JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A 112 (10) , pp.1778-1792 **20/5=4,00** 4. Surface modification of TiNb alloys by hydrothermal-precalcification treatment and its excellent in vitro osteogenic bioactivity Zhu, HF; Zheng, L; (...); Li, G, Feb 2024, FUNCTIONAL MATERIALS LETTERS 17 (02) **15/5=3,00** 5. Comparative study of hydroxyapatite synthesized using Schiff base and wet chemical precipitation methods, Anandan, D; Kumar, A and Jaiswal, AK, Dec 2023, JOURNAL OF THE MECHANICAL BEHAVIOR OF BIOMEDICAL MATERIALS 148 **20/5=4,00** 6. Engineered functional doped hydroxyapatite coating on titanium implants for osseointegration, Li, JX; Zhang, TY; (...); Huang, D Nov-dec 2023, JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T 27 , pp.122-152 **30/6=5,00** 7. Synthesis methods of hydroxyapatite and biomedical applications: an updated review, Anandan, D and Jaiswal, AK, Apr 2024, JOURNAL OF THE AUSTRALIAN CERAMIC SOCIETY 60 (2) , pp.663-679 **15/5=3,00** 8. Surface characterization, electrochemical properties and in vitro biological properties of Zn-deposited TiO2 nanotube surfaces Durdu, S; Cihan, G; (...); Usta, M, Jul 14 2023, SCIENTIFIC REPORTS 13 (1) **20/5=4,00** 9. Simulations and Experiments on the Microstructure and Property Evolution of In Situ TiC+Al3Ti-Reinforced Aluminum Coatings on AZ91D Magnesium Alloy, Yang, LQ; Li, ZY; (...); Jia, YL, Jul 2023, CRYSTALS 13 (7) **20/5=4,00** 10. Influence of Deposition Time on Titanium Nitride (TiN) Thin Film Coating Synthesis Using Chemical Vapour Deposition, Ghadai, RK; Logesh, K; (...); Kalita, K, Jul 2023, MATERIALS 16 (13) **20/5=4,00** 11. Influence of the Coarse Grain Structure of a Titanium Alloy Ti-4Al-3V Formed by Wire-Feed Electron Beam Additive Manufacturing on Strain Inhomogeneities and Fracture, Klimenov, V; Kolubaev, E; (...); Khimich, M, May 23 2023, MATERIALS 16 (11) **20/5=4,00** 12. Structure and Wear Performance of a Titanium Alloy by Using Low-Temperature Plasma Oxy-Nitriding, Li, HD; Wang, HF; (...); Wang, FH, May 9 2023, MATERIALS 16 (10) **20/5=4,00** 13. Long-Term Fate and Efficacy of a Biomimetic (Sr)-Apatite-Coated Carbon Patch Used for Bone Reconstruction, Olivier, F; Drouet, C; (...); Rochet, N, Apr 26 2023, JOURNAL OF FUNCTIONAL BIOMATERIALS 14 (5) **30/6=5,00** 14. Formation of the carbonated hydroxyapatite film on Ti-30Zr-5Al-3V bio-alloyBildung eines karbonisierten Hydroxylapatit-Films auf einer Ti-30Zr-5Al-3V-Bio-Legierung, Liu, KY; Cui, JF; (...); Wang, WJ, Mar 2023, MATERIALWISSENSCHAFT UND WERKSTOFFTECHNIK 54 (3) , pp.302-311 **15/5=3,00** 15. Production of Nano Hydroxyapatite and Mg-Whitlockite from Biowaste-Derived products via Continuous Flow Hydrothermal Synthesis: A Step towards Circular Economy, Nigar, F; Johnston, AL; (...); Ahmed, I, Mar 2023, MATERIALS 16 (6) **20/5=4,00** 16. Multi-Criteria Optimization of Automatic Electro-Spark Deposition TiCrNiVSi0.1 Multi-Principal Element Alloy Coating on TC4 Alloy Lian, Y; Cui, MH; (...); Zhang, J, Jan 2023, COATINGS 13 (1) **20/5=4,00**		

Structura activităţii	Restricţii Prof	Punctaj
17. Study of Tribotechnical Properties of Multilayer Nanostructured Coatings and Contact Processes during Milling of Titanium Alloys Migranov, MS; Shehtman, SR; (...); Repin, DS, Jan 2023, COATINGS 13 (1) **20/5=4,00** 18. Optimizing parameter for electrophoretic deposition of hydroxyapatite coating with superior corrosion resistance on pure titanium Rahmadani, S; Anawati, A; (...); Jujur, IN, Nov 1 2022, MATERIALS RESEARCH EXPRESS 9 (11) **15/5=3,00** 19. Structural characterization, biocorrosion and in-vitro investigation on Zr62Cu22Al10Fe5Dy1 metallic glass for bio-implant applications Jain, A; Prabhu, Y; (...); Bhatt, J, Dec 15 2022, JOURNAL OF NON-CRYSTALLINE SOLIDS 598 **20/5=4,00** 20. Plasma-Sprayed Hydroxyapatite Coatings and Their Biological Properties, Kowalski, S; Gonciarz, W; (...); Zórawski, W Sep 2022, COATINGS 12 (9) **20/5=4,00** 21. Long-Term Examination of Degradation and In Vivo Biocompatibility of Some Mg-0.5Ca-xY Alloys in Sprague Dawley Rats Lupescu, S; Munteanu, C; (...); Pasca, AS, Sep 2022, MATERIALS 15 (17) **20/5=4,00** 22. Preparation and CMAS Wettability Investigation of CMAS Corrosion Resistant Protective Layer with Micro-Nano Double Scale Structure, Wang, YH; Xu, ZN; (...); Yang, T, May 2022, COATINGS 12 (5) **20/5=4,00** **108. Voiculescu, I; Geanta, V; Chereches, T; Vizureanu, P; Stefanoiu, R; Rotariu, A; Mitrica, D., IMPACT BEHAVIOR OF THE BALLISTIC TARGETS PACKAGE COMPOSED OF DYNEEMA POLYMER AND HIGH ENTROPY ALLOY STRUCTURES. ARCHIVES OF METALLURGY AND MATERIALS. 2022, 67(2), 569-576. (2,85)** 1. . Study of the Ballistic Impact Behavior of Protective Multi-Layer Composite Armor, Jia, DS; Xu, YJ; (...); Zhang, WH 2024, CMES-COMPUTER MODELING IN ENGINEERING & SCIENCES 140 (1) , pp.171-199 **20/7=2,85** **109. Perju, MC; Nejneru, C; Vizureanu, P; Aelenei, AA; Sandu, AV; Sachelarie, L; Nabialek, M. SOME ASPECTS CONCERNING TITANIUM COVERAGE WITH HYDROxYAPATITE. ARCHIVES OF METALLURGY AND MATERIALS. 2022, 67(2), 521-527. DOI: https://doi.org/10.24425/amm.2022.137785 (4,99)** 1. The effect of hydroxyapatite on the morphology and corrosion behavior of chitosan/gelatine-reduced functionalized graphene oxide coating on 316 stainless steel, Mohammadzadeh, H; Jafari, R; (...); Milan, BD, Sep 2024, JOURNAL OF THE AUSTRALIAN CERAMIC SOCIETY 60 (4) , pp.1031-1051 **15/7=2,14** 2. In Vitro Antibacterial Activity of Some Plant Essential Oils against Four Different Microbial Strains, Gheorghita, D; Robu, A; (...); Saceleanu, A, Oct 2022, APPLIED SCIENCES-BASEL 12 (19) **20/7=2,85** **110. Nergis, DDB; Vizureanu, P; Lupescu, S; Nergis, DPB; Perju, MC; Sandu, AV. MICROSTRUCTURAL ANALYSIS OF AMBIENT CURED PHOSPHATE BASED-GEOPOLYMERS WITH COAL-ASH AS PRECURSOR. ARCHIVES OF METALLURGY AND MATERIALS. 2022, 67(2), 595-600. DOI: https://doi.org/10.24425/amm.2022.137795 (5,00)** 1. Comparison of feldspar and meta-halloysite geopolymers by alkaline and acidic activation, Nana, A; Tchummegne, IK; (...); Leonelli, C Apr 19 2024, CONSTRUCTION AND BUILDING MATERIALS 424 **30/6=5,00** **111. Minciuna, MG; Vizureanu, P; Jez, B; Sindu, AV; Nabialek, M; Achitei, DC. CORRELATION BETWEEN MICROSTRUCTURE AND ELECTROCHEMICAL PROPERTIES OF Al-Si ALLOYS. ARCHIVES OF METALLURGY AND MATERIALS. 2022, 67(3), 1067-1070. DOI: https://doi.org/10.24425/amm.2022.139704 (4,16)**		

Structura activităţii	Restricţii Prof	Punctaj
1. WEAR PROPERTIES ANALYSIS ON Al-BASED AUTOMOTIVE ALLOY WITH VARIED LEVELS OF SI IN DRY, 3.5% NaCL AND SEAWATER CORROSIVE ENVIRONMENTS, Khan, AA and Kaiser, MS, 2024, ARCHIVES OF METALLURGY AND MATERIALS 69 (3) , pp.881-890 10/6=1,66 2. Effect of Higher Iron Content and Manganese Addition on the Corrosion Resistance of AlSi7Mg0.6 Secondary Alloy, Mikolajcík, M; Tillová, E; (...); Surdová, Z, Oct 2022, MANUFACTURING TECHNOLOGY 22 (4) , pp.436-443 **15/6=2,5** **112. Nergis, DDB; Vizureanu, P; Sandu, AV; Nergis, DPB; Bejinariu, C, XRD and TG-DTA Study of New Phosphate-Based Geopolymers with Coal Ash or Metakaolin as Aluminosilicate Source and Mine Tailings Addition, MATERIALS, 2022, 15, 1, 202, 10.3390/ma15010202 (114,00)** 1. Artificial intelligence prediction of the mechanical properties of banana peel-ash and bagasse blended geopolymer concrete Alaneme, GU; Olonade, KA; (...); Dintwa, E, Oct 30 2024, SCIENTIFIC REPORTS 14 (1) **20/ 5=4,00** 2. Various additives for improving the performances of solidified forms of radioactive wastes by cementation technology: Recent advances and perspectives, Chen, L; Li, JF and Wang, JL, Dec 1 2024, NUCLEAR ENGINEERING AND DESIGN 429 **10/5=2,00** 3. Preparation and interface state of phosphate tailing-based geopolymers, Zhang, SX; Xie, X; (...); Li, Y, Jun 2024, JOURNAL OF CENTRAL SOUTH UNIVERSITY 31 (6) , pp.1900-1914 **20/ 5=4,00** 4. Curing temperature's effect on argillite-metakaolin based geopolymer grouts, El Khomsi, A; Gharzouni, A; (...); Rossignol, S Jul 1 2024, CERAMICS INTERNATIONAL 50 (13) , pp.23356-23366 **30/5=6,00** 5. Disposal of solid waste as building materials: A study on the mechanical and durability performance of concrete composed of gold tailings, Song, Q; Zou, YJ; (...); Zhang, P, May-jun 2024, JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T 30 , pp.2111-2124 **30/5=6,00** 6. Microstructure and mechanical properties of geopolymers utilizing excavated soils, metakaolin and slags, Amar, M; Ladduri, B; (...); Abriak, NE, Jun 1 2024, JOURNAL OF BUILDING ENGINEERING 86 **30/5=6,00** 7. MIX DESIGN OF ACID RESISTANT ALKALI ACTIVATED MATERIALS FOR RECONSTRUCTION OF THE BUILDING CONSTRUCTIONS DAMAGED BY THE WAR, Kovalchuk, O; Zozulynets, V; (...); Grabovchak, V, Feb 2024, INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE 15 , pp.43-52 **10/5=2,00** 8. A green phosphate-based geopolymer adsorbent or binder with high specific surface area for environmental applications Pu, SY; Xu, BM; (...); Cai, GJ, Dec 8 2023, CONSTRUCTION AND BUILDING MATERIALS 408 **30/5=6,00** 9. Phosphate-activated geopolymers: advantages and application, Goryunova, K; Gahramanli, Y; (...); Nadirov, P, Oct 11 2023 RSC ADVANCES 13 (43) , pp.30329-30345 **20/ 5=4,00** 10. Development of Regression Model and Optimization of Mechanical Properties of Geopolymer Concrete Prepared Using Gold Ore Tailings, Lokesha, EB; Aruna, M; (...); Srinivasa, AS, Oct 1 2023, JOURNAL OF HAZARDOUS TOXIC AND RADIOACTIVE WASTE 27 (4) **20/ 5=4,00** 11. Comprehensive Evaluation of the Performance and Benefits of SSA-GGBS Geopolymer Mortar, Zhang, T; Shi, XS; (...); Peng, WB Jun 1 2023, MATERIALS 16 (11) **20/ 5=4,00** 12. Analysis of Influencing Factors of Cementitious Material Properties of Lead-Zinc Tailings Based on Orthogonal Tests Yin, ZY; Li, R; (...); Zhao, YL, Jan 2023, MATERIALS 16 (1) **20/ 5=4,00** 13. Development of alkali activated cementitious material from sewage sludge ash: Two-part and one-part geopolymer		

Structura activităţii	Restricţii Prof	Punctaj
Zhao, QH; Ma, CZ; (...); Lu, XB, Jan 15 2023, JOURNAL OF CLEANER PRODUCTION 384 **30/5=6,00** 14. Study of Metakaolinite Geopolymeric Mortar with Plastic Waste Replacing the Sand: Effects on the Mechanical Properties, Microstructure, and Efflorescence, Soares, I; Nobre, FX; (...); Ramírez, MA, Dec 2022, MATERIALS 15 (23) **20/ 5=4,00** 15. Mechanical Properties of Fly Ash-Based Geopolymer Concrete Incorporation Nylon66 Fiber, Yazid, MH; Faris, MA; (...); Nguyen, KS Dec 2022, MATERIALS 15 (24) **20/ 5=4,00** 16. Properties and Applications of Geopolymer Composites: A Review Study of Mechanical and Microstructural Properties Saeed, A; Najm, HM; (...); Ansari, K, Nov 2022, MATERIALS 15 (22) **20/ 5=4,00** 17. Proposal of New Construction Material: Polymer-Stabilized Gold Ore Tailings Composite, Alelvan, GM; Ferreira, JWD; (...); Consoli, NC, Oct 2022, SUSTAINABILITY 14 (20) **20/ 5=4,00** 18. Metakaolin-Reinforced Sulfoaluminate-Cement-Solidified Wasteforms of Spent Radioactive Resins-Optimization by a Mixture Design Xu, JQ; Wang, MZ; (...); Sun, QN, Oct 2022, COATINGS 12 (10), **20/ 5=4,00** 19. Influence of Fe2O3, MgO and Molarity of NaOH Solution on the Mechanical Properties of Fly Ash-Based Geopolymers Ionescu, BA; Chira, M; (...); Sur, IM, Oct 2022, MATERIALS 15 (19) **20/ 5=4,00** 20. Comprehensive Understanding of Aluminosilicate Phosphate Geopolymers: A Critical Review, Ma, SL; Zhang, ZQ and Liu, XM Sep 2022, MATERIALS 15 (17) **20/ 5=4,00** 21. Numerical Analysis on the Structure Design of Precast Cement Concrete Pavement Slabs, Jiang, SQ; Wang, Y; (...); Li, P Aug 2022, COATINGS 12 (8) **20/ 5=4,00** 22. Investigation of Mechanical Properties and Microstructure of Construction- and Demolition-Waste-Based Geopolymers Figiela, B; Brudny, K; (...); Korniejenko, K, Jul 2022, JOURNAL OF COMPOSITES SCIENCE 6 (7) **20/ 5=4,00** 23. Optimizing the L/S Ratio in Geopolymers for the Production of Large-Size Elements with 3D Printing Technology, Marczyk, J; Ziejewska, C; (...); Hebda, M, May 2022, MATERIALS 15 (9) **20/ 5=4,00** 24. Effect of Slag on the Strength and Shrinkage Properties of Metakaolin-Based Geopolymers, Zhan, JH; Li, HB; (...); Fu, B, Apr 2022 MATERIALS 15 (8) **20/ 5=4,00** 25. 3D Printing of Concrete-Geopolymer Hybrids, Ziejewska, C; Marczyk, J; (...); Hebda, M, Apr 2022, MATERIALS 15 (8), **20/ 5=4,00** 26. The Effect of Magnesium Chloride on the Macroscopic and MI-Croscopic Properties of Phosphate Cement-Based Materials Du, YB; Wang, ZY; (...); Du, T, Mar 2022, COATINGS 12 (3) **20/ 5=4,00** 27. ALKALI-ACTIVATED FLY ASH BASED GEOPOLYMER PAVING BLOCKS: GREEN MATERIALS FOR FUTURE CONSERVATION OF RESOURCES, Lazarescu, AV; Ionescu, BA; (...); Florean, C, Jan-mar 2022, INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE 13 (1) , pp.175-186 **10/ 5=2,00** **113. Abdila, SR; Abdullah, MMA; Ahmad, R; Nergis, DDB; Rahim, SZA; Omar, MF; Sandu, AV; Vizureanu, P, Potential of Soil Stabilization Using Ground Granulated Blast Furnace Slag (GGBFS) and Fly Ash via Geopolymerization Method: A Review, MATERIALS, 2022, 15, 1, 375, 10.3390/ma15010375 (111,85)** 1. The influence of alkali-activated slag for stabilisation and solidification of crude oil-polluted clayey sand for use in stabilised subgrade Arabani, M and Haghsheno, H, Dec 31 2024, INTERNATIONAL JOURNAL OF PAVEMENT ENGINEERING 25 (1), **20/8=2,5** 2. Effect of Alkaline Activated Cashew Nut Shell Ash in the Stabilization of Weak Clayey Soil-An Experimental Study Devarajan, P; Vijayan, DS; (...); Moujoud, Z, Dec 2024, CERAMICS-SWITZERLAND 7 (4) , pp.1836-1854, **20/8=2,5** 3. Combined utilization of slag, fly ash, and polyacrylamide for sustainable saline soil improvement: a win-win strategy		

Structura activităţii	Restricţii Prof	Punctaj
Zhao, Y; Lu, Z; (...); Yao, HL, Nov 2024, BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT 83 (11) **20/8=2,5** 4. Efficacy of the Simplex-Centroid Method for Optimization of Mixtures of Soil, Ladle Furnace Slag and Fly Ash Applied in Pavement Construction, Rodrigues, MH; da Silva, TO; (...); Nalon, GH, Sep 2024, SUSTAINABILITY 16 (17) **20/8=2,5** 5. Advancements in Soft Soil Stabilization by Employing Novel Materials through Response Surface Methodology, Somadas, P; Sarvade, PG and Nayak, D, Jul 2024, GEOSCIENCES 14 (7), **20/8=2,5** 6. Novel Superadsorbent from Pozzolan-Charcoal based Geopolymer Composite for the Efficient Removal of Aqueous Crystal Violet Mboka, JM; Tamaguelon, HD; (...); Dina, DJD, Jun 2024, WATER AIR AND SOIL POLLUTION 235 (6) **20/8=2,5** 7. The rutting performance of cold bitumen emulsion mix using ground granulated blast furnace slag and lime as fillers, Prasad, D and Suman, SK, Jun 1 2024, ENGINEERING RESEARCH EXPRESS 6 (2) **15/8=1,87** 8. Synergistic effect of Polyvinyl Acetate (PVA) and Enzyme-Induced Carbonate Precipitation (EICP) on the mechanical properties of natural sands, Prabhakar and Annadurai, R, Jul 2024, CASE STUDIES IN CONSTRUCTION MATERIALS 20 **30/8=3,75** 9. Multicriteria optimization of the composition, thermodynamic and strength properties of fly-ash as an additive in metakaolin-based geopolymer composites, Le, VS; Sharko, A; (...); Louda, P, May 7 2024, SCIENTIFIC REPORTS 14 (1) **20/8=2,5** 10. Experimental study of microwave heating on mechanical properties of fly ash-based cementitious materials, Li, T; Yue, ZH; (...); Chen, GB, Apr 15 2024, JOURNAL OF BUILDING ENGINEERING 83 **30/8=3,75** 11. Predicting compressive and flexural strength of high-performance concrete using a dynamic Catboost Regression model combined with individual and ensemble optimization techniques, Wu, YL and Huang, H, Mar 2024, MATERIALS TODAY COMMUNICATIONS 38 **20/8=2,5** 12. Study on synthesis and water stability of geopolymer pavement base material using waste sludge, Zhong, WL; Sun, YH; (...); Fan, LF Mar 15 2024, JOURNAL OF CLEANER PRODUCTION 445 **30/8=3,75** 13. Curing effects on geotechnical properties of clays treated with palm kernel shell ash and rice husk ash: Insights from water absorption characteristics of stabilizers, Jamil, MA; Hayano, K; (...); Mochizuki, Y, Jul 2024 ,CASE STUDIES IN CONSTRUCTION MATERIALS 20 **30/8=3,75** 14. Boosting-based ensemble machine learning models for predicting unconfined compressive strength of geopolymer stabilized clayey soil Abdullah, GMS; Ahmad, M; (...); Fawad, M, Jan 28 2024, SCIENTIFIC REPORTS 14 (1) **20/8=2,5** 15. Preparation and Application of Polyaluminum Ferric Sulfate from Red Mud: Behaviors of Leaching, Polymerizing, and Coagulation Li, W; Zhang, PP and Zhu, XB, Jan 3 2024, ACS OMEGA 9 (2) , pp.2468-2479 **20/8=2,5** 16. Immobilization of fluorinion in phosphorus tailings-blast furnace slag based geopolymers activated by waste alkalis, Sun, CL; Lin, SJ; (...); Zheng, YJ, Feb 2024, CEMENT & CONCRETE COMPOSITES 146 **30/8=3,75** 17. Taguchi-optimized triple-aluminosilicate geopolymer bricks with recycled sand: A sustainable construction solution, Ul Haq, MZ; Sood, H; (...); Merta, I, Jul 2024, CASE STUDIES IN CONSTRUCTION MATERIALS 20 **30/8=3,75** 18. One-part alkali-activated soil stabilization with sodium metasilicate: Mechanical-geochemical-mineralogical characterization Bazarbekova, A; Naik, SR; (...); Park, YB, Jan 2024, TRANSPORTATION GEOTECHNICS 44 **20/8=2,5** 19. IMPROVEMENT OF HIGH PLASTICITY CLAY BY USING FILTER SLUDGE, Özkan, I and Yenginar, Y, Dec 1 2023, KONYA JOURNAL OF ENGINEERING SCIENCES 11 (4) **5/8=0,62** 20. Stabilization and solidification of oil-polluted soils using secondary stabilizers and industrial wastes, Haghsheno, H and Arabani, M Nov 2023 (Early Access), INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY **20/8=2,5** 21. Recycling Waste Materials to Fabricate Solar-Driven Self-Cleaning Geopolymers, Luévano-Hipólito, E; Torres-Martínez, LM and Rodríguez-González, E, May 2024, WASTE AND BIOMASS VALORIZATION 15 (5) , pp.2833-2843 **20/8=2,5**		

Structura activităţii	Restricţii Prof	Punctaj
22. Recycling Ash and Slag Waste from Thermal Power Plants to Produce Foamed Geopolymers, Yatsenko, EA; Goltsman, BM; (...); Klimova, LV, Nov 2023, ENERGIES 16 (22) **20/8=2,5** 23. Soft Clay Eco-Friendly Improvement by Ground Granulated Blast Furnace Slag and Quicklime, Beygi, L and Khazaei, J May 2024, GEOTECHNICAL AND GEOLOGICAL ENGINEERING 42 (3) , pp.2061-2074 **15/8=1,87** 24. Assessing strength properties of stabilized soils using dynamic cone penetrometer test, Elias, HH; Shaban, AM and Almuhanna, RR Oct 12 2023, OPEN ENGINEERING 13 (1) **15/8=1,87** 25. Biotechnology to reduce logistics burden and promote environmental stewardship for Air Force civil engineering requirements, Krebs, R; Farrington, KE; (...); Owens, JR, Dec 2023, BIOTECHNOLOGY ADVANCES 69 **30/8=3,75** 26. Performance Evaluation of Cohesionless Soils Stabilized Using Metakaolin-Based Geopolymer for Infrastructure Applications Huang, OD; Jang, J; (...); Radovic, M, Oct 1 2023, JOURNAL OF MATERIALS IN CIVIL ENGINEERING 35 (10) **20/8=2,5** 27. Development of Regression Model and Optimization of Mechanical Properties of Geopolymer Concrete Prepared Using Gold Ore Tailings, Lokesha, EB; Aruna, M; (...); Srinivasa, AS, Oct 1 2023, JOURNAL OF HAZARDOUS TOXIC AND RADIOACTIVE WASTE 27 (4) **20/8=2,5** 28. An overview of geopolymer composites for stabilization of soft soils, Ayub, F and Khan, SA, Nov 10 2023, CONSTRUCTION AND BUILDING MATERIALS 404, **30/8=3,75** 29. Flexural Characteristics of Engineered Cementitious Composites, Demirhan, S, Dec 2024, JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI 27 (4) **5/8=0,62** 30. Characterization, factors, and fractal dimension of pore structure of fly ash-based geopolymers, Yang, YW; Wang, BW; (...); Peng, H Sep-oct 2023, JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T 26 , pp.3395-3407 **30/8=3,75** 31. Synthesis and Characterization of Eco-Efficient Alkali-Activated Composites with Self-Cleaning Properties for Sustainable Construction Slosarczyk, A; Klapiszewska, I; (...); Klapiszewski, L, Aug 2023, MOLECULES 28 (16) **20/8=2,5** 32. Study on the mechanical and microscopic properties of steel fiber reinforced reactive powder concrete under different curing methods, Ge, LC; Zhang, YL; (...); Li, HT, Oct 1 2023, JOURNAL OF BUILDING ENGINEERING 76 **30/8=3,75** 33. Wind erosion control using alkali-activated slag cement: Experimental investigation and microstructural analysis, Komaei, A; Soroush, A; (...); Ghanbari, H, Oct 15 2023, JOURNAL OF ENVIRONMENTAL MANAGEMENT 344 **30/8=3,75** 34. Mechanical and microstructure analysis of mass-stabilized organic clay thermally cured using a ternary binder, Núñez, V; Lotero, A; (...); Consoli, NC, Feb 2024, ACTA GEOTECHNICA 19 (2) , pp.741-762 **30/8=3,75** 35. Comprehensive Evaluation of the Performance and Benefits of SSA-GGBS Geopolymer Mortar, Zhang, T; Shi, XS; (...); Peng, WB Jun 1 2023, MATERIALS 16 (11) **20/8=2,5** 36. Experimental study of improved cement silicate grouting material for broken surrounding rock, Li, T; Yue, ZH; (...); Chen, GB, Sep 1 2023, JOURNAL OF BUILDING ENGINEERING 74 **30/8=3,75** 37. Experimental study on modified low liquid limit silt for abutment backfill in bridge-embankment transition section, Wang, SJ; Sun, Y; (...); Cui, W, Mar 25 2023, GEOMECHANICS AND ENGINEERING 32 (6) , pp.601-613 **20/8=2,5** 38. Self-alkali-activated self-cementation achievement and mechanism exploration for the synergistic treatment of the municipal solid waste incineration fly ashes and the arsenic-contaminated soils, Huang, T; Song, DP; (...); Zhang, SW, Jun 2023, CHEMOSPHERE 325 **30/8=3,75** 39. Random Forest Algorithm for the Strength Prediction of Geopolymer Stabilized Clayey Soil, Zeini, HA; Al-Jeznawi, D; (...); Ostrowski, KA, Jan 2023, SUSTAINABILITY 15 (2) **20/8=2,5** 40. Development of alkali activated cementitious material from sewage sludge ash: Two-part and one-part geopolymer		

Structura activităţii	Restricţii Prof	Punctaj
Zhao, QH; Ma, CZ; (...); Lu, XB, Jan 15 2023, JOURNAL OF CLEANER PRODUCTION 384 **30/8=3,75** **114. Ramli, MII; Salleh, MAAM; Abdullah, MMA; Zaimi, NSM; Sandu, AV; Vizureanu, P; Rylski, A; Amli, SFM, Formation and Growth of Intermetallic Compounds in Lead-Free Solder Joints: A Review, MATERIALS, 2022, 15, 4, (48,74)** 1. A review of extreme condition effects on solder joint reliability: Understanding failure mechanisms, Ismail, N; Yusoff, WYW; (...); Ahmad, N, Nov 2024, DEFENCE TECHNOLOGY 41 , pp.134-158 **30/8=3,75** 2. The role of Ni minor additions on the mechanical characteristics of Sn-1.5Ag-0.5 wt.% Cu (SAC155) Pb-free solder alloy, Eid, EA; Fawzy, A; (...); Amin, M, Nov 2024, JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS 35 (32) **20/8=2,50** 3. Interfacial IMC growth behavior of Sn-3Ag-3Sb-xIn solder on Cu substrate, Zhou, JC; Shi, JL; (...); He, HJ, Oct 11 2024, SOLDERING & SURFACE MOUNT TECHNOLOGY 36 (5) , pp.276-284 **15/8=1,87** 4. Mechanical properties and microstructure evolution of Sn-Bi-based solder joints by microalloying regulation mechanism, Wu, XF; Hou, ZZ; (...); Zhao, XC, Jul-aug 2024, JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T 31 , pp.3226-3237 **30/8=3,75** 5. Microstructure evolution and deformation behaviour of Sn-xBi-1Ag Solder alloys: Influences of Bi content, Hu, X; Sun, W; (...); Zeng, G Sep 2024, MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING 910 **30/8=3,75** 6. Microstructural Examination and Thermodynamic Analysis of Sn-1.5Ag-0.5Cu-x mass% Ni Lead-Free Solder Alloys, Eid, EA; Fawzy, A; (...); Amin, M, May 2024, JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY 149 (10) , pp.4313-4331 **20/8=2,50** 7. Exceptional load-bearing capability of Al FPCB/Cu FPCB lap joints using instantaneous laser-based large area facial soldering: Experimental and numerical investigations, Kim, S; Kim, Y; (...); Kim, D, May-jun 2024, JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T 30 , pp.6668-6685 **30/8=3,75** 8. Comparative Study of the Impurity Effect on SnAgCu and SnZn Solder Joints with Electrodeposited Cu, Li, YJ; Yen, YW and Chen, CM May 2024, MATERIALS 17 (9) **20/8=2,50** 9. Evaluation of the microstructure, distribution of the intermetallic compounds, and mechanical behavior of SC07 solders with In, Ni, and TiO2 NPs minor additions, Mohamed, HS; Mostafa, MM; (...); Saad, ES, May 2024, JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS 35 (13) , **20/8=2,50** 10. An in-situ experimental and simulation study on the electromigration behavior of SAC305 solder joints, Liu, Y; Xu, X; (...); Xing, CY Sep 1 2024, JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY 38 (17) , pp.3348-3362 **20/8=2,50** 11. Comparative study on the bonding property of laser and reflow soldered Sn-3.0Ag-0.5Cu/Ni-P microbumps after isothermal aging and multiple reflowing, Wu, Y; Zhang, ZJ; (...); Zhang, SY, Mar-apr 2024, JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T 29 , pp.2868-2878 **30/8=3,75** 12. First principles modeling of mechanical properties of binary alloys containing Ga, Sn, and In for soldering applications, attes, S; Brennan, S and Woodcox, M, Dec 4 2023, JOURNAL OF PHYSICS-CONDENSED MATTER 35 (48) **20/8=2,50** 13. Effect of non-standard SnAg surface finishes on properties of solder joints, Pietrikova, A; Dzivy, D; (...); Busek, D, Dec 2023, APPLIED SURFACE SCIENCE ADVANCES 18 **30/8=3,75** 14. Effect of Au thin films thickness on the wetting characteristics of eutectic Pb-Sn solder on Ni/Ag solder bath,Pal, V; Kwon, DK and Lee, JK, Aug 2023, MATERIALS TODAY COMMUNICATIONS 36 **20/8=2,50**		

Structura activităţii	Restricţii Prof	Punctaj
15. Ultra-low-temperature lead-free multicomponent alloy solder for application in heat-sensitive electronic components, Villarreal-Loya, RE; Garay-Reyes, CG; (...); Martínez-Sánchez, R, Jul 15 2023, MATERIALS LETTERS 343 **20/8=2,50** 16. Understanding the surface segregation of solute atoms in Sn-Bi-based solder from first principles, Sun, L; Chen, L; (...); Tong, ZF, Sep 2022, EPL 139 (6) **15/8=1,87** 17. Effects of Initial Morphology on Growth Kinetics of Cu6Sn5 at SAC305/Cu Interface during Isothermal Aging, Lee, JY and Chen, CM Jul 2022, MATERIALS 15 (14) **20/8=2,50** **115. Baltatu, I; Sandu, AV; Vlad, MD; Spataru, MC; Vizureanu, P; Baltatu, MS, Mechanical Characterization and In Vitro Assay of Biocompatible Titanium Alloys, MICROMACHINES, 2022, 13, 3, 430, 10.3390/mi13030430 (67,43)** 1. Developing novel Ti-Nb-Zr-Mo-Sn-O biomedical titanium alloys with high strength and low modulus through high-throughput experiments, Jia, ZY; Song, XY; (...); Zhou, KC, Dec 15 2024, MATERIALS LETTERS 377 **20/6= 3,33** 2. The Structure and Mechanical Properties of Ti-(36-40)Zr-9Ta (at %) Alloys for Medical Purposes, Volchikhina, MA; Konushkin, SV; (...); Sevostyanov, MA, Oct 2024, INORGANIC MATERIALS-APPLIED RESEARCH 15 (5) , pp.1321-1328 **5/6=0,83** 3. Study on the crystallisation of amorphous alloy-titanium alloy joints during different welding processes, Chen, MH; Li, K; (...); Wu, FF Jun 2024, SCIENCE AND TECHNOLOGY OF WELDING AND JOINING 29 (4) , pp.261-270 **20/6= 3,33** 4. Spark Plasma Sintering of Pure Titanium: Microstructure and Mechanical Characteristics, Digole, S; Karki, S; (...); Borkar, T, Jul 2024, MATERIALS 17 (14) **20/6= 3,33** 5. The synergic effect of nanosecond fiber laser and drug-loaded electrospun PVA coating on metallurgical and biological characteristics of Ti-6Al-4 V alloy, Rajabi, T; Naffakh-Moosavy, H and Bagheri, F, Aug 2024, APPLIED SURFACE SCIENCE ADVANCES 22 **20/6= 3,33** 6. Synergistic injection of the thermosensitive hydrogel and Bi-based alloy bone cement for orthopaedic repair, Liu, SC; Li, L; (...); Deng, ZS, Jul 2024, SCIENCE CHINA-TECHNOLOGICAL SCIENCES 67 (7) , pp.2153-2163 **20/6= 3,33** 7. Design of Ti-Mo-W Alloys and Its Correlation with Corrosion Resistance in Simulated Body Fluid (SBF), Ghica, SI; Ghica, VG; (...); Ungureanu, E, Mar 2023, MATERIALS 16 (6) **20/6= 3,33** 8. Features of Permanent Joints of Titanium (α plus β)-Alloys Obtained by Friction Stir Welding Using a Nickel Superalloy Tool, Amirov, A; Chumaevskii, A; (...); Kolubaev, E, Feb 2023, METALS 13 (2) **20/6= 3,33** 9. Antimicrobial Properties of TiNbSn Alloys Anodized in a Sulfuric Acid Electrolyte, Mori, Y; Fujimori, S; (...); Masahashi, N, Feb 2023, MATERIALS 16 (4) **20/6= 3,33** 10. Influence of Anodizing Conditions on Biotribological and Micromechanical Properties of Ti-13Zr-13Nb Alloy, Stróz, A; Maszybrocka, J; (...); Losiewicz, B, Feb 2023, MATERIALS 16 (3) **20/6= 3,33** 11. Characterization of Hydroxyapatite/Chitosan Composite Coating Obtained from Crab Shells on Low-Modulus Ti-25Nb-8Sn Alloy through Hydrothermal Treatment, Hsu, HC; Wu, SC; (...); Ho, WF, Feb 2023, COATINGS 13 (2), **20/6= 3,33** 12. Study of Tribotechnical Properties of Multilayer Nanostructured Coatings and Contact Processes during Milling of Titanium Alloys Migranov, MS; Shehtman, SR; (...); Repin, DS, Jan 2023, COATINGS 13 (1) **20/6= 3,33** 13. Ti-20Nb-10Ta-5Zr Is Biosafe Alloy for Building of Ecofriendly Greenhouse Framework of New Generation, Sarimov, RM; Glinushkin, AP; (...); Gudkov, SV, Dec 2022, METALS 12 (12) **20/6= 3,33** 14. Investigation of Topographical Alterations in Titanium-Zirconium-Alloy Implant Threads following Er:YAG Irradiation, Ayna, M; Spille, J; (...); Gülses, A, Nov 2022, MATERIALS 15 (22) **20/6= 3,33**		

Structura activităţii	Restricţii Prof	Punctaj
15. Synthesis of Tantalum Carbide Using Purified Hexane by Titanium Powder, Hwang, SM; Hong, JW; (...); Lee, DW, Nov 2022, MATERIALS 15 (21) **20/6= 3,33** 16. Versatile Medium Entropy Ti-Based Bulk Metallic Glass Composites, Liu, TZ; Zhao, YC; (...); Gong, P, Oct 2022, MATERIALS 15 (20) **20/6= 3,33** 17. In Vitro Antibacterial Activity of Some Plant Essential Oils against Four Different Microbial Strains, Gheorghita, D; Robu, A; (...); Saceleanu, A, Oct 2022, APPLIED SCIENCES-BASEL 12 (19) **20/6= 3,33** 18. Long-Term Examination of Degradation and In Vivo Biocompatibility of Some Mg-0.5Ca-xY Alloys in Sprague Dawley Rats, Lupescu, S; Munteanu, C; (...); Pasca, AS, Sep 2022, MATERIALS 15 (17) **20/6= 3,33** 19. Hybrid Ti6Al4V/Silk Fibroin Composite for Load-Bearing Implants: A Hierarchical Multifunctional Cellular Scaffold, Murchio, S; Benedetti, M; (...); Maniglio, D, Sep 2022, MATERIALS 15 (17) **20/6= 3,33** 20. Design of a Novel Trabecular Acetabular Cup and Selective Laser Melting Fabrication, Wang, CY; Sun, BY; (...); Yang, G, Sep 2022 MATERIALS 15 (17), **20/6= 3,33** 21. A Review of Anodized TiNbSn Alloys for Improvement in Layer Quality and Application to Orthopedic Implants, Mori, Y; Masahashi, N and Aizawa, T, Aug 2022, MATERIALS 15 (15) **20/6= 3,33** **116. Aziz, IH; Abdullah, MMA; Salleh, MAAM; Ming, LY; Li, LY; Sandu, AV; Vizureanu, P; Nemes, O; Mahdi, SN, Recent Developments in Steelmaking Industry and Potential Alkali Activated Based Steel Waste: A Comprehensive Review, MATERIALS, 2022, 15, 5, (42,72)** 1. Synthesis, microstructure and mechanical properties of WBx/C composites, Xiao, B; Zhang, X; (...); Wen, GW, Dec 15 2024, CERAMICS INTERNATIONAL 50 (24) , pp.55470-55486 **30/9 =3,33** 2. Electrochemical Extraction of Fe-Si Alloy Form SiO2-CaO-CaF2-FeOx Slags by Molten Oxide Electrolysis, Zhang, X; Zhang, LQ; (...); Zhao, ZW, Oct 2024, METALLURGICAL AND MATERIALS TRANSACTIONS B-PROCESS METALLURGY AND MATERIALS PROCESSING SCIENCE 55 (5) , pp.3912-3922 **20/9 =2,22** 3. Mechanical, Rheological, and Microstructural Study of Ternary Alkali-Activated Pastes Using BOF Slag, Metakaolin, and Glass Powder as Precursors, Carvalho, IC; Chaves, AR; (...); Cabral, AEB, Jun 1 2024, JOURNAL OF MATERIALS IN CIVIL ENGINEERING 36 (6) **20/9 =2,22** 4. Accelerated carbonation of steel slag for enhanced carbon capture and utilization as aggregate in alkali-activated materials, Dias, EAP; Azevedo, AGS; (...); Borges, PHR, Sep 2024, CARBON CAPTURE SCIENCE & TECHNOLOGY 12 **30/9 =3,33** 5. Disposal of solid waste as building materials: A study on the mechanical and durability performance of concrete composed of gold tailings, Song, Q; Zou, YJ; (...); Zhang, P, May-jun 2024, JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T 30 , pp.2111-2124 **30/9 =3,33** 6. Research on the Properties of Steel Slag with Different Preparation Processes, Liu, XB; Zhang, C; (...); Zhong, YX, Apr 2024, MATERIALS 17 (7) **20/9 =2,22** 7. Characteristics and applications of iron oxides reduction processes, Halim, KSA; El-Geassy, AA; (...); Al-ghamdi, AS, Mar 1 2024, POLISH JOURNAL OF CHEMICAL TECHNOLOGY 26 (1) , pp.39-50 **10/9=1,11** 8. Influence of the Steel Slag Particle Size on the Mechanical Properties and Microstructure of Concrete, Li, MH; Lu, YJ; (...); Wang, W Mar 2024, SUSTAINABILITY 16 (5) **20/9 =2,22** 9. Mechanical properties of sustainable concrete containing powdery ladle furnace slag from different sources, López-Ausín, V; Revilla-Cuesta, V; (...); Ortega-López, V, Feb 1 2024, POWDER TECHNOLOGY 434 **20/9 =2,22**		

Structura activităţii	Restricţii Prof	Punctaj
10. Effect of different leaching solutions on removal efficiency of K, Na, and Zn elements from blast furnace bag dust, Zhao, GQ; Wang, WL; (...); Wu, XP, Oct 1 2024, CANADIAN METALLURGICAL QUARTERLY 63 (4) , pp.1572-1581 **15/9=1,66** 11. The Impedance Calculating Method of Steel Mill Short Net Conductors Based on Finite Element Method, Ma, Q; Tong, B; (...); Zhang, D 2024, IEEE ACCESS 12 , pp.135063-135074 **20/9 =2,22** 12. Enhancement of Early Age Strength of Activated Steel By-Products, Bondar, D; Campos, B and Gilligan, E, 1st Interdisciplinary Symposium on Smart & Sustainable Infrastructure (ISSSI) **5/9=0,55** 13. Characteristics and applications of iron oxide reduction processes, Halim, KSA; El-Geassy, AA; (...); Al-Ghamdi, AS, Dec 1 2023, POLISH JOURNAL OF CHEMICAL TECHNOLOGY 25 (4) , pp.81-92 **10/9=1,11** 14. Effect of steel fiber on the permeability of freeze-thaw damaged concrete under splitting tensile and compressive loads, Zeng, W; Wang, WQ; (...); Liu, GJ, Dec 1 2023, JOURNAL OF BUILDING ENGINEERING 80 **30/9 =3,33** 15. Digital Twin-Based Fault Diagnosis Platform for Final Rolling Temperature in Hot Strip Production, Desheng, C; Jian, S; (...); Sensen, X Nov 2023, MATERIALS 16 (21) **20/9 =2,22** 16. Development of sustainable foamed alkali-activated materials for modular construction, Camargos, JSF; Dias, EAP; (...); Borges, PHR Aug 2023, JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING 45 (8) **15/9=1,66** 17. Study on the mechanical and microscopic properties of steel fiber reinforced reactive powder concrete under different curing methods Ge, LC; Zhang, YL; (...); Li, HT, Oct 1 2023, JOURNAL OF BUILDING ENGINEERING 76 **30/9 =3,33** 18. Pyrometallurgical Technology for Extracting Iron and Zinc from Electric Arc Furnace Dust, Nemchinova, NV; Patrushov, AE and Tyutrin, AA, May 18 2023, APPLIED SCIENCES-BASEL 13 (10) **20/9 =2,22** 19. Life cycle impacts of induction furnace technology for crude steel production: case study, Avinal, A and Ergenekon, P., Dec 21 2022 ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS 44 (4) , pp.9974-9987 **20/9 =2,22** **117. Ramli, M.I.I.; Salleh, M.A.A.M.; Abdullah, M.M.A.B.; Aziz, I.H.; Ying, T.C.; Shahedan, N.F.; Kockelmann, W.; Fedrigo, A.; Sandu, A.V.; Vizureanu, P.; Chaiprapa, J.; Burduhos Nergis, D.D. The Influence of Sintering Temperature on the Pore Structure of an Alkali-Activated Kaolin-Based Geopolymer Ceramic. Materials 2022, 15, 2667. (27,44)** 1. Preparation and interface state of phosphate tailing-based geopolymers, Zhang, SX; Xie, X; (...); Li, Y, Jun 2024, JOURNAL OF CENTRAL SOUTH UNIVERSITY 31 (6) , pp.1900-1914 **20/12= 1,66** 2. Nanoparticles reinforced ceramic bonds derived from K-gel geopolymers comosites at elevated temperature: Pore structure, micro and meso scale properties, Giogetti, DNJ; Thiophine, N and Elie, K, Sep 2024, JOURNAL OF THE EUROPEAN CERAMIC SOCIETY 44 (12) , pp.7357-7369 **30/12=2,50** 3. Curing temperature's effect on argillite-metakaolin based geopolymer grouts, El Khomsi, A; Gharzouni, A; (...); Rossignol, S, Jul 1 2024, CERAMICS INTERNATIONAL 50 (13) , pp.23356-23366 **30/12=2,50** 4. Microwave-absorbing building materials: Assessing thickness and antenna separation in fly ash-ladle furnace slag one-part geopolymer Yong-Jie, H; Cheng-Yong, H; (...); Shee-Ween, O, Jun 15 2024, JOURNAL OF BUILDING ENGINEERING 87 **20/12= 1,66** 5. Application of cellulose nanocrystals in 3D printed alkali-activated cementitious composites, Al Fahim, A; Admassu, N; (...); Moradllo, MK, Apr 1 2024, JOURNAL OF BUILDING ENGINEERING 82 **30/12=2,50** 6. Preparation and characterization of silica aerogel foam concrete: Effects of particle size and content, Li, Z; Wang, GC; (...); Wu, XX Apr 1 2024, JOURNAL OF BUILDING ENGINEERING 82 **30/12=2,50**		

Structura activităţii	Restricţii Prof	Punctaj
7. Environmental standards and beneficial uses of waste-to-energy (WTE) residues in civil engineering applications, Tian, YX; Dai, SW and Wang, JF, Sep 2023, WASTE DISPOSAL & SUSTAINABLE ENERGY 5 (3) , pp.323-350 **20/12= 1,66** 8. Effect of Curing Temperature on Mechanical Properties of Sanitary Ware Porcelain based Geopolymer Mortar, Wongpattanawut, W and Ayudhya, BIN, Aug 2023, CIVIL ENGINEERING JOURNAL-TEHRAN 9 (8) , pp.1808-1827 **20/12= 1,66** 9. Potential utilization of CO2 foams in developing lightweight building materials, Zhang, J; Yang, H; (...); Li, YL, Oct 1 2023, JOURNAL OF BUILDING ENGINEERING 76 **30/12=2,50** 10. A literature review of the latest trends and perspectives regarding alkali-activated materials in terms of sustainable development, Slosarczyk, A; Fort, J; (...); Cerny, R, Jul-aug 2023, JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T 25 , pp.5394-5425 **20/12= 1,66** 11. Activated carbon derived from sugarcane and modified with natural zeolite for efficient adsorption of methylene blue dye: experimentally and theoretically approaches, Mohamed, F; Shaban, M; (...); Soliman, NK, Oct 27 2022, SCIENTIFIC REPORTS 12 (1) **20/12= 1,66** 12. Improvement of Mechanical Properties and Condensation Behavior for Alkali-Activated Materials by Sodium Silicate, Li, MJ; Huang, GD; (...); Feng, JC, Aug 2022, CRYSTALS 12 (8) **20/12= 1,66** 13. A Comprehensive Review on Fly Ash-Based Geopolymer, Luhar, I and Luhar, S, Aug 2022, JOURNAL OF COMPOSITES SCIENCE 6 (8) **20/12= 1,66** **14.** Flexural Performance and Microstructural Studies of Trough-Shaped Geopolymer Ferrocement Panels, Ramalingam, M; Mohan, P; (...); Murali, G, Aug 2022, MATERIAL 15 (16) **20/12= 1,66** **118. Yusof, M.F.; Zainol, M.R.R.M.A.; Sandu, A.V.; Riahi, A.; Zakaria, N.A.; Shaharuddin, S.; Aziz, M.S.A.; Mohamed Noor, N.; Vizureanu, P.; Zawawi, M.H.; Ikhsan, J. Clean Water Production Enhancement through the Integration of Small-Scale Solar Stills with Solar Dish Concentrators (SDCs)—A Review. Sustainability 2022, 14, 5442. https://doi.org/10.3390/su14095442 (8,15)** 1. Increasing evaporation in a solar still using a revolving hollow cylinder as an evaporation surface, Mohammed, AS; Razeg, KH and Ali, OM, Dec 31 2024, ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS 46 (1) , pp.4051-4063 **20/11=1,81** 2. Advances in active solar water stills for sustainable brine and wastewater Treatment: A comprehensive review, Faddouli, A; Bouazza, A; (...); Achak, M, Sep 15 2024, SOLAR ENERGY 280 **30/11=2,72** 3. Energetic, exergetic, exergoeconomic, and enviroeconomic analysis of solar dish-integrated water desalination system with various nanofluids, Kant, R; Kumar, A and Dubey, MK, Aug 2024, GROUNDWATER FOR SUSTAINABLE DEVELOPMENT 26 **20/11=1,81** 4. Performance study on a solar concentrator system for water distillation using different water nanofluids, Hameed, HG; Diabil, HAN and Al-fahham, MA, Jun 2023, HELIYON 9 (6) **20/11=1,81** **119. Tahir, MFM; Abdullah, MMA; Abd Rahim, SZ; Hasan, MRM; Sandu, AV; Vizureanu, P; Ghazali, CMR; Kadir, AA, Mechanical and Durability Analysis of Fly Ash Based Geopolymer with Various Compositions for Rigid Pavement Applications, MATERIALS, 2022, 15, 10, art. 3458, 10.3390/ma15103458 (70,61)** 1. Enhanced mechanical properties and mechanism of iron ore tailings-based geopolymers modified by municipal solid waste incineration fly ash, Zhan, XY; Tang, L; (...); Wang, J, Dec 1 2024, JOURNAL OF BUILDING ENGINEERING 98 **30/8=3,75**		

Structura activităţii	Restricţii Prof	Punctaj
2. Evaluation of the usability of trachydacitic aggregate in rigid pavements in terms of strength and durability, Tanyildizi, M; Yücel, HE; (...); Bakis, A, Nov 30 2024, SCIENTIFIC REPORTS 14 (1), **20/8=2,5** 3. Tensile strength and durability performances-based evaluation of 3D-printed and mold-cast fibrous geopolymer composites produced at various alkaline activator combinations, Mermerdas, K; Khalid, LW; (...); Jawad, DJ, Nov 15 2024, JOURNAL OF BUILDING ENGINEERING 97, **30/8=3,75** 4. Assessing the durability performance of geopolymer concrete utilizing fly ash and sugarcane bagasse ash as sustainable binders Rihan, MAM; Onchiri, RO; (...); Sabuni, B, Dec 2024, OPEN CERAMICS 20 , **20/8=2,5** 5. Preparation and interface state of phosphate tailing-based geopolymers, Zhang, SX; Xie, X; (...); Li, Y, Jun 2024, JOURNAL OF CENTRAL SOUTH UNIVERSITY 31 (6) , pp.1900-1914, **20/8=2,5** 6. Curing temperature's effect on argillite-metakaolin based geopolymer grouts, El Khomsi, A; Gharzouni, A; (...); Rossignol, S, Jul 1 2024 CERAMICS INTERNATIONAL 50 (13) , pp.23356-23366 **30/8=3,75** 7. Utilization of Plastic Waste in Fly Ash Geopolymer Concrete Containing Recycled Concrete Aggregate for Pavements, Wongkvanklom, A; Posi, P; (...); Chindaprasirt, P, Apr 2024 (Early Access), ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING **20/8=2,5** 8. Disposal of solid waste as building materials: A study on the mechanical and durability performance of concrete composed of gold , ailings, Song, Q; Zou, YJ; (...); Zhang, P, May-jun 2024, JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T 30 , pp.2111-2124 **30/8=3,75** 9. Effect of Fly Ash Content on Rheological Properties of Self-compacting Geopolymer Mortar, Ghafoor, MT and Fujiyama, C, Mar 2024, JOURNAL OF ADVANCED CONCRETE TECHNOLOGY 22 (3) , pp.103-114 **15/8=1,87** 10. MIX DESIGN OF ACID RESISTANT ALKALI ACTIVATED MATERIALS FOR RECONSTRUCTION OF THE BUILDING , ONSTRUCTIONS DAMAGED BY THE WAR, Kovalchuk, O; Zozulynets, V; (...); Grabovchak, V, Feb 2024, INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE 15 , pp.43-52 **10/8=1,25** 11. Utilization of supplementary cementitious materials in pervious concrete: a review, Sathiparan, N; Dassanayake, DHHP and Subramaniam, DN, Mar 2024 , INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY 21 (6) , pp.5883-5918 **20/8=2,5** 12. Preparation and Application of Polyaluminum Ferric Sulfate from Red Mud: Behaviors of Leaching, Polymerizing, and Coagulation Li, W; Zhang, PP and Zhu, XB, Jan 3 2024, ACS OMEGA 9 (2) , pp.2468-2479 **20/8=2,5** 13. Mechanical, Thermal Stability, and Shielding Properties of Slag/Granite Geopolymer Cement Modified by Nanoparticles, Hashem, FS; Salam, ATA and Monir, D, 2024, INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH IN AFRICA 72 , pp.117-134 **10/8=1,25** 14. Chitosan grafted alginate and polyvinylpyrrolidone as the binder for porous silicon nanoparticles from coal fly ash in lithium-ion batteries Daulay, A; Astuti, W; (...); Samada, LH, Jan 1 2024, JOURNAL OF ELECTROANALYTICAL CHEMISTRY 952 **20/8=2,5** 15. Mix design process for sustainable self-compacting geopolymer concrete, Ghafoor, MT and Fujiyama, C, Nov 2023, HELIYON 9 (11) **20/8=2,5** 16. Strength, porosity and life cycle analysis of geopolymer and hybrid cement mortars for sustainable construction, Raza, MH; Khan, M and Zhong, RY, Jan 10 2024, SCIENCE OF THE TOTAL ENVIRONMENT 907 **30/8=3,75** 17. Effect of Ternary Blends on Mechanical Strength, Durability and Microstructural Properties of Geopolymer Concrete, Khalid, SM and Shobha, MS, Oct 2023 (Early Access), IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY-TRANSACTIONS OF CIVIL ENGINEERING **15/8=1,87**		

Structura activităţii	Restricţii Prof	Punctaj
18. An Experimental Study on the Properties of Concrete and Fiber-Reinforced Concrete in Rigid Pavements, Kos, Z; Kroviakov, S; (...); Poltorapavlov, A, Sep 2023, MATERIALS 16 (17) **30/8=3,75** 19. Synthesis and Characterization of Eco-Efficient Alkali-Activated Composites with Self-Cleaning Properties for Sustainable Construction Slosarczyk, A; Klapiszewska, I; (...); Klapiszewski, L, Aug 2023, MOLECULES 28 (16) **20/8=2,5** 20. Wind erosion control using alkali-activated slag cement: Experimental investigation and microstructural analysis, Komaei, A; Soroush, A; (...); Ghanbari, H, Oct 15 2023, JOURNAL OF ENVIRONMENTAL MANAGEMENT 344 **30/8=3,75** 21. A literature review of the latest trends and perspectives regarding alkali-activated materials in terms of sustainable development, Slosarczyk, A; Fort, J; (...); Cerny, R, Jul-aug 2023, JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T 25 , pp.5394-5425 **30/8=3,75** 22. Durability performance of low calcium Flyash-Based geopolymer concrete, Ojha, A and Aggarwal, P, Aug 2023, STRUCTURES 54 , pp.956-963 **20/8=2,5** 23. Geopolymers: The Green Alternative to Traditional Materials for Engineering Applications, Jwaida, Z; Dulaimi, A; (...); Mydin, MAO Jun 2023, INFRASTRUCTURES 8 (6) **20/8=2,5** 24. The Influence of Substitution of Fly Ash with Marble Dust or Blast Furnace Slag on the Properties of the Alkali-Activated Geopolymer Paste, Ionescu, BA; Barbu, AM; (...); Florean, C, Feb 2023, COATINGS 13 (2) **20/8=2,5** 25. The Influence of Fly Ash Contents on Mechanical Properties and Energy Response of Concrete at a High Strain Rate, Yi, EB, Jan 3 2023, ADVANCES IN CIVIL ENGINEERING 2023 **15/8=1,87** 26. Influence of Fe2O3, MgO and Molarity of NaOH Solution on the Mechanical Properties of Fly Ash-Based Geopolymers, Ionescu, BA; Chira, M; (...); Sur, IM, Oct 2022, MATERIALS 15 (19) **20/8=2,5** **120. Huzaim, NHM; Abd Rahim, SZ; Musa, L; Abdellah, AE; Abdullah, MMA; Rennie, A; Rahman, R; Garus, S; Bloch, K; Sandu, AV; Vizureanu, P; Nabialek, M, Potential of Rapid Tooling in Rapid Heat Cycle Molding: A Review, MATERIALS, 2022, 15, 10, 3725, 10.3390/ma15103725 (24,07)** 1. Polymer Tools Produced by Fused Filament Fabrication for Steel-Bending Process: Effect of Layering Orientation, Giorleo, L and Deniz, KI, Dec 2024, JOURNAL OF MANUFACTURING AND MATERIALS PROCESSING 8 (6) **20/12=1,66** 2. A Concise Review on Materials for Injection Moulds and Their Conventional and Non-Conventional Machining Processes, Pedroso, AFV; Sebbe, NPV; (...); Nogueira, FR, Apr 2024, MACHINES 12 (4) **20/12=1,66** 3. POLYETHERETHERKETONE (PEEK) IN RAPID TOOLING: ADVANCEMENTS AND APPLICATIONS FOR FUSED FILAMENT FABRICATION OF RUBBER MOLDS, Abbas, K; Balc, N; (...); Hedwig, L, Feb 2024 **5/12=0,41** 4. ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING 67 (1) , pp.13-22 5. Steel and Aluminum Molds: The Effect of Thickness on Productivity and Part Quality, Marconi, P; Amarante, E; (...); Junior, AR 2024, SAE INTERNATIONAL JOURNAL OF MATERIALS AND MANUFACTURING 17 (4) **10/12=0,83** 6. Alternative materials to shorten injection mold manufacturing and molding cycles, de Souza, AF; Howarth, JLL; (...); Kavilha, C 2024, POLIMEROS-CIENCIA E TECNOLOGIA 34 (2) **15/12=1,25** 7. A Comparative Study on the Wear Mechanisms of Uncoated and TiAlTaN-Coated Tools Used in Machining AMPCO® Alloy Nogueira, FR; Pedroso, AFV; (...); Casais, RCB, Jan 2024, COATINGS 14 (1) **20/12=1,66** 8. Design, manufacture, and performance evaluation of a single-axle tractor-operated potato digger elevator, Tikuneh, DB and Beri, AF Dec 29 2023, COGENT ENGINEERING 10 (2) **20/12=1,66**		

Structura activităţii	Restricţii Prof	Punctaj
9. Simulation-based analysis of weld line strength of glass fiber-reinforced polymer in injection molding, Kameya, K; Ogata, H and Tanohata, N., Feb 2024, POLYMER ENGINEERING AND SCIENCE 64 (2) , pp.852-864 **20/12=1,66** 10. Advanced FFF of PEEK: Infill Strategies and Material Characteristics for Rapid Tooling, Abbas, K; Hedwig, L; (...); Bremen, S Nov 2023, POLYMERS 15 (21) **20/12=1,66** 11. Shaping the Conscious Behaviors of Product Designers in the Early Stages of Projects: Promoting Correct Material Selection and Green Self-Identity through a New Conceptual Model, Sun, ZH; Doiro, M; (...); Santos, G, Oct 2023, SUSTAINABILITY 15 (19) **20/12=1,66** 12. Advanced Injection Molding Methods: Review, Czepiel, M; Bankosz, M and Sobczak-Kupiec, A, Sep 2023, MATERIALS 16 (17) **20/12=1,66** 13. Development of an Injection Mold with High Energy Efficiency of Vulcanization for Liquid Silicone Rubber Injection Molding of the Fisheye Optical Lens, Kuo, CC; Tasi, QZ; (...); Tseng, SF, Jul 2023, POLYMERS 15 (13) **20/12=1,66** 14. Analysis of the applicability and state monitoring of material extrusion-printed acrylonitrile butadiene styrene injection mould inserts with different infill levels, Krizsma, S and Suplicz, A, Jun 2023, MATERIALS TODAY COMMUNICATIONS 35 **20/12=1,66** 15. Deep Drawing of AISI 304 Blanks with Polymer Punches Produced by Additive Manufacturing: Effects of Process Scalability, Giorleo, L, Dec 2022, APPLIED SCIENCES-BASEL 12 (24) **20/12=1,66** 16. Industry 4.0 In-Line AI Quality Control of Plastic Injection Molded Parts, Aminabadi, SS; Tabatabai, P; (...); Berger-Weber, G, Sep 2022 POLYMERS 14 (17) **20/12=1,66** **121. Yong-Sing, N.; Yun-Ming, L.; Cheng-Yong, H.; Abdullah, M.M.A.B.; Pakawanit, P.; Vizureanu, P.; Khalid, M.S.; Hui-Teng, N.; Yong-Jie, H.; Nabialek, M.; Pietrusiewicz, P.; Garus, S.; Sochacki, W.; Śliwa, A. Improvements of Flexural Properties and Thermal Performance in Thin Geopolymer Based on Fly Ash and Ladle Furnace Slag Using Borax Decahydrates. Materials 2022, 15, 4178. https://doi.org/10.3390/ma15124178 (6,03)** **1.** Foaming Behaviour of Glass-Based Geopolymers by Adding Magnesium Carbonate and Borax, Oleiwi, HA; AL-Saadi, THA and Namer, NSM, Dec 2024, REVUE DES COMPOSITES ET DES MATERIAUX AVANCES-JOURNAL OF COMPOSITE AND ADVANCED MATERIALS 34 (6) , pp.787-796 **15/14=1,04** **2.** Optimization of alkali-activated ladle slag-fly ash composites using a Taguchi-TOPSIS hybrid algorithm, Najm, O; El-Hassan, H and El-Dieb, A, Dec 2024, CLEANER ENGINEERING AND TECHNOLOGY 23 **30/14=2,14** **3.** Ladle Furnace Slag: Synthesis, Properties, and Applications, Jacob, L, Feb 2024, CHEMBIOENG REVIEWS 11 (1) , pp.60-78 Thermal and Surface Area Properties of Micro and Nano Sized Pumice, Kiliçer, A, 2023, JOURNAL OF NANO RESEARCH 79 , pp.61-76 **30/14=2,14** **4.** Thermal and Surface Area Properties of Micro and Nano Sized Pumice Kiliçer, A, 2023, JOURNAL OF NANO RESEARCH 79 , pp.61-76 **10/14=0,71** **122. Hashim, NM; Noor, NM; Ul-Saufie, AZ; Sandu, AV; Vizureanu, P; Deak, G; Kheimi, M, Forecasting Daytime Ground-Level Ozone Concentration in Urbanized Areas of Malaysia Using Predictive Models, SUSTAINABILITY, 2022, 14, 13, art. 7936, 10.3390/su14137936 (8,55)** **1.** Assessing the accuracy of various statistical models for forecasting PM2.5: a case study from diverse regions of Gandhinagar and Ahmedabad, Ghanchi, SI; Pandya, DM and Shah, MA, Dec 21 2024, ENVIRONMENTAL MONITORING AND ASSESSMENT 197 (1) **20/7=2,85**		

Structura activităţii	Restricţii Prof	Punctaj
2. Comparison of 24 h Surface Ozone Forecast for Poland: CAMS Models vs. Simple Statistical Models with Limited Number of Input Parameters, Pawlak, I; Fernandes, A; (...); Pietruczuk, A, Apr 2023, ATMOSPHERE 14 (4) **20/7=2,85** **3.** Balanced Spider Monkey Optimization with Bi-LSTM for Sustainable Air Quality Prediction, Aarthi, C; Ramya, VJ; (...); Divakarachari, PB, Jan 2023, SUSTAINABILITY 15 (2) **20/7=2,85** **123. Ul-Saufie, A.Z., Hamzan, N.H., Zahari, Z., Shaziayani, W.N., Noor, N.M., Zainol, M.R.R.M.A., Sandu, A.V., Deak, G., Vizureanu, P., Improving Air Pollution Prediction Modelling Using Wrapper Feature Selection, SUSTAINABILITY, 2022, 14, 18, 11403. DOI10.3390/su141811403 (6,66)** **1.** Analysis of PM10 Substances via Intuitionistic Fuzzy Decision-Making and Statistical Evaluation, Güler, E and Kandemir, SY, Sep 2024 SUSTAINABILITY 16 (17) **20/9=2,22** **2.** Machine Learning for Healthcare-IoT Security: A Review and Risk Mitigation, Khatun, MA; Memon, SF; (...); Dhirani, LL, 2023 IEEE ACCESS 11 , pp.145869-145896 **20/9=2,22** **3.** Balanced Spider Monkey Optimization with Bi-LSTM for Sustainable Air Quality Prediction, Aarthi, C; Ramya, VJ; (...); Divakarachari, PB, Jan 2023, SUSTAINABILITY 15 (2) **20/9=2,22** **124. Jamaludin, L., Abd Razak, R., Abdullah, M.M.A., Vizureanu, P., Bras, A., Imjai, T., Sandu, A.V., Abd Rahim, S.Z., Yong, H.C., The Suitability of Photocatalyst Precursor Materials in Geopolymer Coating Applications: A Review, COATINGS, 2022, 12, 9, 1348. DOI10.3390/coatings12091348 (39,95)** **1.** Assessing the photodegradation efficiency of benzene, toluene, and xylene (BTX): a comparative investigation using activated charcoal (AC), zeolitic imidazolate framework-8 (ZIF-8), and zirconium metal-organic framework (Zr-MOF), Nikhar, S and Chakraborty, M, Dec 15 2024, WATER SCIENCE AND TECHNOLOGY 90 (12) , pp.3193-3209 **20/9=2,22** **2.** Cost-effective microbial induced ZnO synthesis for building material: Antibacterial, photocatalytic and mechanical characteristics Lin, PY; Huang, YH; (...); Chen, CY, Nov 2024, ENVIRONMENTAL TECHNOLOGY & INNOVATION 36 **30/9=3,33** **3.** Improving Sag Resistance in Geopolymer Coatings Using Diatomite Filler: Effects on Rheological Properties and Early Hydration Hu, Y; Jin, ZQ; (...); Huang, YX, Jun 2024, MATERIALS 17 (11) **20/9=2,22** **4.** Preparation of Geopolymers with Nanosilica and Water-in-Air Pickering Emulsion: Mechanisms Underlying Its Rheology, Polymerization, and Strength, Yi, CF; Boluk, Y and Bindiganavile, V , May 20 2024, LANGMUIR 40 (22) , pp.11436-11449 **20/9=2,22** **5.** Fly ash-dominated High-Strength Engineered/Strain-Hardening Geopolymer Composites (HS-EGC/SHGC): Influence of alkalinity and environmental assessment, Lao, JC; Ma, RY; (...); Huang, BT, Apr 1 2024, JOURNAL OF CLEANER PRODUCTION 447 **30/9=3,33** **6.** Enhancing photocatalytic efficiency: Geopolymer-supported TiO2 composites for sustainable organic pollutant degradation Chen, CS; Shenoy, S; (...); Sasaki, K, Apr 2024, OPTICAL MATERIALS 150 **20/9=2,22** **7.** An efficient eco-friendly adsorbent material based on waste copper slag-biomass ash geopolymer: dye sorption capacity and sustainable properties, Mullaimalar, A; Thanigaiselvan, R; (...); Albeshr, MF, Mar 2024, ENVIRONMENTAL GEOCHEMISTRY AND HEALTH 46 (3) **20/9=2,22** **8.** SMART-ECO-INNOVATIVE COMPOSITE MATERIALS WITH SELF-CLEANING CAPABILITY AND ENHANCED RESISTANCE TO MICROORGANISMS, Lazarescu, AV; Hegyi, A and Florean, C, 2024, SCIENTIFIC PAPERS-SERIES E-LAND RECLAMATION EARTH OBSERVATION & SURVEYING ENVIRONMENTAL ENGINEERING 13 , pp.125-136 **5/9=0,55**		

Structura activităţii	Restricţii Prof	Punctaj
9. The Influence of Different Aggregates on the Physico-Mechanical Performance of Alkali-Activated Geopolymer Composites Produced Using Romanian Fly Ash, Lazarescu, AV; Hegyi, A; (...); Popa, F, Jan 2024, MATERIALS 17 (2) **30/9=3,33** **10.** Antimicrobial geopolymer paints based on modified natural zeolite, Nikolov, A; Dobreva, L; (...); Barbov, B, Dec 2023, CASE STUDIES IN CONSTRUCTION MATERIALS 19 **30/9=3,33** **11.** Possibilities of Using Geopolymers in Welding Processes and Protection against High Temperatures, Parzych, S; Paszkowska, M; (...); Lach, M, Nov 2023, MATERIALS 16 (21) **20/9=2,22** **12.** Development of Clay-Composite Plasters Integrating Industrial Waste, Hegyi, A; Petcu, C; (...); Bradu, A, Jul 2023, MATERIALS 16 (14) **20/9=2,22** **13.** Study on the Possibilities of Developing Cementitious or Geopolymer Composite Materials with Specific Performances by Exploiting the Photocatalytic Properties of TiO2 Nanoparticles, Hegyi, A; Lazarescu, AV; (...); Stoian, V, May 15 2023, MATERIALS 16 (10) **20/9=2,22** **14.** The Development of Cement-Based, Intumescent and Geopolymer Fire-Retardation Coatings for Metal Structures: A Review, Wang, KB and Le, HR, Mar 2023, COATINGS 13 (3) **20/9=2,22** **15.** Adhesion of Various Geopolymers Coatings on Metal Substrates, Mares, J; Mamon, F; (...); Novotny, J, Feb 2023, MANUFACTURING TECHNOLOGY 23 (1) , pp.81-87 **15/9=1,66** **16.** The Influence of Substitution of Fly Ash with Marble Dust or Blast Furnace Slag on the Properties of the Alkali-Activated Geopolymer Paste, Ionescu, BA; Barbu, AM; (...); Florean, C, Feb 2023, COATINGS 13 (2) **20/9=2,22** **17.** Manufacture and Characterization of Geopolymer Coatings Deposited from Suspensions on Aluminium Substrates Novotny, J; Jaskevic, M; (...); Houska, P, Nov 2022, COATINGS 12 (11) **20/9=2,22** **125. Ibrahim, WMW; Abdullah, MMA; Ahmad, R; Sandu, AV; Vizureanu, P; Benjeddou, O; Rahim, A; Ibrahim, M; Sauffi, AS, Chemical Distributions of Different Sodium Hydroxide Molarities on Fly Ash/Dolomite-Based Geopolymer, MATERIALS, 2022, 15, 17, art, 6163, 10.3390/ma15176163 (39,96)** 1. Tensile strength and durability performances-based evaluation of 3D-printed and mold-cast fibrous geopolymer composites produced at various alkaline activator combinations, Mermerdas, K; Khalid, LW; (...); Jawad, DJ, Nov 15 2024, JOURNAL OF BUILDING ENGINEERING 97 **30/9=3,33** 2. Experimental study on preparation of fly ash-based geopolymer blended with recycled calcium source, Feng, DL; Chen, DY; (...); Liang, SH, Sep 2024, SUSTAINABLE MATERIALS AND TECHNOLOGIES 41 **30/9=3,33** 3. Mechanical, durability and microstructural characterization of cost-effective polyethylene fiber-reinforced geopolymer concrete, Raza, A; Ahmed, B; (...); Chen, WS, Jun 21 2024, CONSTRUCTION AND BUILDING MATERIALS 432 **30/9=3,33** 4. Evaluation of strength and durability properties of fly ash-based geopolymer concrete containing GGBS and dolomite, Thakur, M and Bawa, S, Jun 2024, ENERGY ECOLOGY AND ENVIRONMENT 9 (3) , pp.256-271 **20/9=2,22** 5. Application of cellulose nanocrystals in 3D printed alkali-activated cementitious composites, Al Fahim, A; Admassu, N; (...); Moradllo, MK, Apr 1 2024, JOURNAL OF BUILDING ENGINEERING 82 **30/9=3,33** 6. Alkali-activated geopolymer materials prepared from coal gangue and municipal solid waste incineration byproducts, Feng, DL; Wang, J; (...); Liang, SH, Dec 1 2023, JOURNAL OF BUILDING ENGINEERING 80 **30/9=3,33** 7. Strength, porosity and life cycle analysis of geopolymer and hybrid cement mortars for sustainable construction, Raza, MH; Khan, M and Zhong, RY, Jan 10 2024, SCIENCE OF THE TOTAL ENVIRONMENT 907 **30/9=3,33**		

Structura activităţii	Restricţii Prof	Punctaj
8. Experimental study on municipal solid waste incineration fly ash as a component of coal gangue geopolymer and the feasibility of making geopolymer mortar, Feng, DL; Wang, J; (...); Liang, SH, Dec 15 2023, CONSTRUCTION AND BUILDING MATERIALS 409 **30/9=3,33** 9. The Study of the Effects of Supplementary Cementitious Materials (SCMs) on Concrete Compressive Strength at High Temperatures Using Artificial Neural Network Model, Ramzi, S; Moradi, MJ and Hajiloo, H, May 20 2023, BUILDINGS 13 (5) **20/9=2,22** 10. Geopolymer composites reinforced with natural Fibers: A review of recent advances in processing and properties, Moujoud, Z; Sair, S; (...); Tanane, O, Jul 24 2023, CONSTRUCTION AND BUILDING MATERIALS 388 **30/9=3,33** 11. Properties of Fly Ash-Slag-Based Geopolymer Concrete with Low Molarity Sodium Hydroxide, Sunarsih, ES; As'ad, S; (...); Kristiawan, SA, Feb 2023, CIVIL ENGINEERING JOURNAL-TEHRAN 9 (2) , pp.381-392 **20/9=2,22** 12. The Influence of Substitution of Fly Ash with Marble Dust or Blast Furnace Slag on the Properties of the Alkali-Activated Geopolymer Paste, Ionescu, BA; Barbu, AM; (...); Florean, C., Feb 2023, COATINGS 13 (2) **20/9=2,22** 13. The Effects of Supplementary Cementitious Materials (SCMs) on the Residual Mechanical Properties of Concrete after Exposure to High Temperatures-Review, Ramzi, S and Hajiloo, H, Jan 2023, BUILDINGS 13 (1) **20/9=2,22** 14. Influence of Fe2O3, MgO and Molarity of NaOH Solution on the Mechanical Properties of Fly Ash-Based Geopolymers Ionescu, BA; Chira, M; (...); Sur, IM, Oct 2022, MATERIALS 15 (19) **20/9=2,22** **126. Ahmad, R., Ibrahim, W.M.W., Abdullah, M.M.A., Pakawanit, P., Vizureanu, P., Abdullah, A.S., Sandu, A.V., Zaidi, F.H.A., Geopolymer-Based Nepheline Ceramics: Effect of Sintering Profile on Morphological Characteristics and Flexural Strength, CRYSTALS 2022, 12, 9, 1313. DOI10.3390/cryst12091313 (16,25)** 1. Solidification performance and mechanism of typical radioactive nuclear waste by geopolymers and geopolymer ceramics: A review 2. Liu, JR; Xu, YD; (...); Wang, R, Apr 2024, PROGRESS IN NUCLEAR ENERGY 169 **20/8=2,5** 3. Enhanced electrophoretic deposition and heat treatment study of MgB2 superconducting coatings from iodine-stabilized colloidal precursors, Galapia, XA; Rosete, MM and Sarmago, RV, Feb 29 2024, THIN SOLID FILMS 791 **20/8=2,5** 4. Mechanical behavior of construction and demolition waste-based alkali activated materials exposed to fire conditions, Giannopoulou, I; Robert, PM; (...); Nicolaides, D, Feb 9 2024, CONSTRUCTION AND BUILDING MATERIALS 415 **30/8=3,75** 5. Upcycling end-of-life bricks in high-performance one-part alkali-activated materials, Al-Noaimat, YA; Chougan, M; (...); Ghaffar, SH, Dec 2023, DEVELOPMENTS IN THE BUILT ENVIRONMENT 16 **30/8=3,75** 6. High temperature performance of geopolymers based on construction and demolition waste, Giannopoulou, I; Robert, PM; (...); Nicolaides, D, Aug 1 2023, JOURNAL OF BUILDING ENGINEERING 72 **30/8=3,75** **127. Arokiasamy, P.;Abdullah, MMA; Abd Rahim, SZ; Zainol, MRRMA; Salleh, MAAM; Kheimi, M; Chaiprapa, J.; Sandu, A.V.; Vizureanu, P.; Razak, R.A.; Jamil, NH. Metakaolin/sludge based geopolymer adsorbent on high removal efficiency of Cu2+. CASE STUDIES IN CONSTRUCTION MATERIALS 2022, 17, 01428. (15,85)** 1. Valorization of marble sludge waste in biodiesel production using a central composite design, El-Naggar, KA; Mansor, ES; (...); Hamid, EMA, Nov 15 2024, SCIENTIFIC REPORTS 14 (1) **20/11=1,81**		

Structura activităţii	Restricţii Prof	Punctaj
2. Synthesis of nanogeopolymer adsorbent and its application and reusability in the removal of methylene blue from wastewater using response surface methodology (RSM), Hamid, EMA; Aly, HM and El Naggar, KAM, Sep 4 2024, SCIENTIFIC REPORTS 14 (1) **20/11=1,81** 3. Experimental synthesis of geopolymer adsorbent based on molecular dynamics simulation and adsorption mechanism of uranium in different channel sizes, Wang, R; Zhang, WS; (...); Peng, XY, Aug 15 2024, JOURNAL OF MOLECULAR LIQUIDS 408 **30/11=2,72** 4. Improving Sag Resistance in Geopolymer Coatings Using Diatomite Filler: Effects on Rheological Properties and Early Hydration Hu, Y; Jin, ZQ; (...); Huang, YX, Jun 2024, MATERIALS 17 (11) **20/11=1,81** 5. Review on Mechanical Properties of Fiber-Reinforced Geopolymer Concrete After High-Temperature Exposure, Chen, P; Li, YH; (...); Wang, ZX, Feb 2024 (Early Access), IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY-TRANSACTIONS OF CIVIL ENGINEERING **15/11=1,36** 6. Acorn gasification char valorisation in the manufacture of alkali activated materials, Gómez-Casero, MA; Calado, L; (...); Eliche-Quesada, D, Dec 1 2023, CONSTRUCTION AND BUILDING MATERIALS 407 **30/11=2,72** 7. Influence of Waste Glass Particle Size on the Physico-Mechanical Properties and Porosity of Foamed Geopolymer Composites Based on Coal Fly Ash, Ziejewska, C; Grela, A and Hebda, M, Mar 2023, MATERIALS 16 (5) **20/11=1,81** 8. Application of mesoporous fly ash as a low-cost adsorbent for effective removal and immobilization of hazardous pollutants in aqueous environments, El Alouani, M; Alehyen, S; (...); Saufi, H, Sep 2023, MODELING EARTH SYSTEMS AND ENVIRONMENT 9 (3) , pp.3539-3552 **20/11=1,81** **128. Thanki, H.; Shah, S.; Oza, A.; Vizureanu, P.; Burduhos-Nergis, D.D. Sustainable Consumption: Will They Buy It Again? Factors Influencing the Intention to Repurchase Organic Food Grain. Foods 2022, 11, 3046. (35,00)** 1. Towards Sustainable Consumption: Quantitative Insights into Consumer Behaviour on Circular Food Products, Batusaru, CM; Porancea-Raulea, AS; (...); Sbarcea, IR, Aug 1 2024, STUDIES IN BUSINESS AND ECONOMICS 19 (2) , pp.215-237 **10/5=2,00** 2. The Influence of Food Names with Different Levels of Concreteness on Evaluations of Food Deliciousness and Healthiness Yu, Z; Kang, YX; (...); He, XY, Aug 2024, FOODS 13 (16) **20/5=4,00** 3. The food you can trust: The moderating role of age in the relationship between consumer values and organic food trust Anisimova, T and Vrontis, D, Sep 2024, JOURNAL OF BUSINESS RESEARCH 182 **30/5=6,00** 4. A Special Issue on "Food Perception and Preferences in the Context of Health and Sustainability", Wallner, M and Laureati, M May 2024, FOODS 13 (9) **20/5=4,00** 5. Risk-indicative or sustainable consumption? Consumers' risk perception on conventional and organic food products in Poland Mazur-Wlodarczyk, K; Wódkowska, A and Gruszecka-Kosowska, A, 2024, GEOLOGY GEOPHYSICS AND ENVIRONMENT 50 (1) **5/5=1,00** 6. The impact of anchor characteristics on consumers' willingness to pay a premium for food-an empirical study, Maojie, Z Sep 4 2023, FRONTIERS IN NUTRITION 10 **20/5=4,00** 7. Can low-income consumers choose food from sustainable production methods?, Hough, G and Contarini, A, Jun 2023 CURRENT OPINION IN FOOD SCIENCE 51, **30/5=6,00** 8. Environmentally Responsible Purchase Intention in Pacific Alliance Countries: Geographic and Gender Evidence in the Context of the COVID-19 Pandemic, García-Salirrosas, EE; Niño-de-Guzmán, JC; (...); Escobar-Farfán, M, Mar 2023, BEHAVIORAL SCIENCES 13 (3) **20/5=4,00**		

Structura activităţii	Restricţii Prof	Punctaj
9. Examining the effect of consumer experience on co-creation and loyalty for healthy meat consumption, Meeprom, S; Jaratmetakul, P and Boonkum, W, Feb 28 2023, FRONTIERS IN SUSTAINABLE FOOD SYSTEMS 7 **20/5=4,00** **129. Tahirukaj, M.; Surleva, A.; Vizureanu, P.; Olluri, B.; Sandu, A.V. Assessment of Persistence of Gunshot Residues Produced by Firearms from Criminal Cases in the Republic of Kosovo. Appl. Sci. 2022, 12, 10477. (14,00)** 1. Exploring gunshot residue detection in fingerprints by functionalized particle-coupled matrix-assisted laser desorption/ionization mass spectrometry, Adav, SS; Tan, YWC; (...); Ng, KW, Nov 18 2024, ANALYST 149 (23) , pp.5704-5713 **20/5=4,00** 2. Organic and inorganic gunshot residues on the hands, forearms, face, and nostrils of shooters 30 min after a discharge, Minziere, VR and Weyermann, C, Sep 2024, SCIENCE & JUSTICE 64 (5) , pp.557-571 **15/5=3,00** 3. Transfer, persistence, contamination and background levels of inorganic gunshot residues, Malmborg, J; Larsson, M; (...); Nordgaard, A, Jul 2024, FORENSIC CHEMISTRY 39 **20/5=4,00** 4. A chronological study of gunshot residue (GSR) detection techniques: a narrative review, Krishna, S and Ahuja, P, Nov 21 2023, EGYPTIAN JOURNAL OF FORENSIC SCIENCES 13 (1) **15/5=3,00** **130. Sofri, L.A., Abdullah, M.M.A., Sandu, A.V., Imjai, T., Vizureanu, P., Hasan, M.R.M., Almadani, M., Ab Aziz, I.H., Rahman, F.A., Mechanical Performance of Fly Ash Based Geopolymer (FAG) as Road Base Stabilizer, MATERIALS, 2022, 15, 20, 7242 (22,75)** 1. Geopolymer Cement in Pavement Applications: Bridging Sustainability and Performance, Ikotun, JO; Aderinto, GE; (...); Katte, VY Jul 2024, SUSTAINABILITY 16 (13) **20/9=2,22** 2. Performance assessment of geopolymer stabilized aggregate pavement bases with incorporation of biomedical waste incinerated ash Ramulu, G and Shankar, S, Jul 2024, INNOVATIVE INFRASTRUCTURE SOLUTIONS 9 (7) **20/9=2,22** 3. Investigation of Mechanical and Shrinkage Performance for Large-Size Cement-Stabilized Aggregates, Zhao, CW; Huang, T; (...); Lu, L Mar 2024, MATERIALS 17 (5) **20/9=2,22** 4. Geopolymer as stabilising materials in pavement constructions: A review, Nanda, RP and Priya, N, Apr 2024, CLEANER WASTE SYSTEMS 7 **5/9=0,55** 5. An Overview of Fly-ash Geopolymer Composites in Sustainable Advance Construction Materials, Bakar, MSA; Manar, G; (...); Asyraf, MRM, 2024, PERTANIKA JOURNAL OF SCIENCE AND TECHNOLOGY 32 , pp.75-102 **10/9=1,11** 6. Structural Characteristics and Cementitious Behavior of Magnesium Slag in Comparison with Granulated Blast Furnace Slag, Lu, P; Zhao, YQ; (...); Liu, XM, Jan 2024, MATERIALS 17 (2) **20/9=2,22** 7. Mechanics and road performance of mudstone modified stabilized gravel subgrade in arid desert areas, Feng, LQ; Liu, WB; (...); Wang, GZ, Jul 2024, CASE STUDIES IN CONSTRUCTION MATERIALS 20 **30/9=3,33** 8. Mechanical Properties of Slag-Based Geopolymer Grouting Material for Homogenized Micro-Crack Crushing Technology, Li, WJ; Liang, B and Yue, JC, Jul 2023, APPLIED SCIENCES-BASEL 13 (14) **20/9=2,22** 9. Geopolymers: The Green Alternative to Traditional Materials for Engineering Applications, Jwaida, Z; Dulaimi, A; (...); Mydin, MAO Jun 2023, INFRASTRUCTURES 8 (6) **20/9=2,22** 10. Life Cycle Assessment for Substitutive Building Materials Using the Example of the Vietnamese Road Sector Schneider, P; Ahmed, N; (...); Le Hung, A, May 20 2023, APPLIED SCIENCES-BASEL 13 (10) **20/9=2,22**		

Structura activităţii	Restricţii Prof	Punctaj
11. The Influence of Substitution of Fly Ash with Marble Dust or Blast Furnace Slag on the Properties of the Alkali-Activated Geopolymer Paste, Ionescu, BA; Barbu, AM; (...); Florean, C, Feb 2023, COATINGS 13 (2) **20/9=2,22** **131. Mohamad, I.S.; Norizan, M.N.; Mahmed, N.; Jamalullail, N.; Halin, D.S.C.; Salleh, M.A.A.M.; Sandu, A.V.; Baltatu, M.S.; Vizureanu, P. Enhancement of Power Conversion Efficiency with Zinc Oxide as Photoanode and Cyanococcus, Punica granatum L., and Vitis vinifera as Natural Fruit Dyes for Dye-Sensitized Solar Cells. Coatings 2022, 12, 1781. (13,32)** 1. Photon sensitizer by Amalgamation of SrTiO3 and dyes from Cnidoscolus aconitifolius with different pH values for the extensive Sustainability of the dye sensitized solar cell, Vijendran, V; Balasundharam, J; (...); Santhamoorthy, M, Nov 2024, OPTICAL MATERIALS 157 **20/9=2,22** 2. Special Issue "Synthesis, Characterization and Performance Enhancement of Electrode and Biomaterial Coatings", Liu, CY; Sun, Q and Wang, S, Oct 2024, COATINGS 14 (10), **20/9=2,22** 3. One-Dimensional TiO2 Nanocomposite-based Photoanode for Dye-Sensitized solar Cells: A review, Lana, GM; Bello, IT; (...); Awodugba, AO, Sep 1 2024, SOLAR ENERGY 279 **30/9=3,33** 4. Co-sensitization effect of chlorophyll and anthocyanin on optical absorption properties and power conversion efficiency of dye-sensitized solar cells, Mukhokosi, EP; Mohammed, T; (...); Velauthapillai, D, Jun 2024, JOURNAL OF THE KOREAN PHYSICAL SOCIETY 84 (11) , pp.858-869 **10/9=1,11** 5. Dye-sensitized solar cells: Fundamentals, recent progress, and Optoelectrical properties improvement strategies, Saud, PS; Bist, A; (...); Pant, B, Apr 2024, OPTICAL MATERIALS 150 **20/9=2,22** 6. Traditional vs. Microfluidic Synthesis of ZnO Nanoparticles, Popa, ML; Preda, MD; (...); Ginghina, O, Feb 2023, INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES 24 (3) **20/9=2,22** **132. JIMENEZ-MARCOS C., MIRZA-ROSCA J.C., BALTATU M.S., VIZUREANU P., Experimental Research on New Developed Titanium Alloys for Biomedical Applications, Bioengineering 2022, 9, 686. (94,75)** 1. Online sequential separation, preconcentration, extraction, and transport of Ti, Zr, and Hf by ICP-MS and recovery from nuclear waste Sharma, C; Thakar, D and Agrawal, Y, Dec 5 2024, BULLETIN OF THE CHEMICAL SOCIETY OF JAPAN 97 (12) **20/4=5,00** 2. Optimizing Suitable Mechanical Properties for a Biocompatible Beta-Titanium Alloy by Combining Plastic Deformation with Solution Treatment, Irimescu, RE; Raducanu, D; (...); Zarnescu-Ivan, N, Dec 2024, MATERIALS 17 (23) **20/4=5,00** 3. Evaluation of Biocomposite Cements for Bone Defect Repair in Rat Models, Ardelean, AI; Mârza, SM; (...); Oana, L Sep 2024, LIFE-BASEL 14 (9) **20/4=5,00** 4. Scale-dependent wetting behavior of bioinspired lubricants on electrical discharge machined Ti6Al4V surfaces, Peta, K; Bartkowiak, T; (...); Brown, CA, Jun 2024, TRIBOLOGY INTERNATIONAL 194 **30/4=7,5** 5. Effectiveness Return Board To Improving Forehand Drive Table Tennis. In Jawa Tengah, Santosa, T; Pratama, RS; (...); Hidayah, T 2024, RETOS-NUEVAS TENDENCIAS EN EDUCACION FISICA DEPORTE Y RECREACION (53) , pp.445-452 **15/4=3,75** 6. Rational Design of Flexible Mechanical Force Sensors for Healthcare and Diagnosis, Zhang, H and Zhang, YH, Jan 2024, MATERIALS 17 (1) **20/4=5,00** 7. Microstructure and Wear Resistance of Ti6Al4V Titanium Alloy Laser-Clad Ni60/WC Composite Coating, Feng, MJ; Ma, YH; (...); Cao, HT, Jan 2024, MATERIALS 17 (1) **20/4=5,00**		

Structura activităţii	Restricţii Prof	Punctaj
8. Micro-Arc Oxidation in Titanium and Its Alloys: Development and Potential of Implants, Ming, XW; Wu, Y; (...); Li, Y, Dec 2023, COATINGS 13 (12) **20/4=5,00** 9. Effect of the Si Content on the Dry and Wet Sliding Wear Behavior of the Developed Ti-15Mo-(0-2) Si Alloys for Biomedical, Applications, Seleman, MMES; Ataya, S; (...); Ibrahim, KM, Nov 2023, METALS 13 (11) **20/4=5,00** 10. Advanced Biomedical Applications of Multifunctional Natural and Synthetic Biomaterials, Chelu, M and Musuc, AM Sep 2023, PROCESSES 11 (9) **20/4=5,00** 11. Electrical Equivalent Circuit Model Prediction of High-Entropy Alloy Behavior in Aggressive Media, Cabrera-Peña, J; Brito-Garcia, SJ; (...); Callico, GM, Jul 2023, METALS 13 (7) **20/4=5,00** 12. Corrosion Performance of Ti6Al7Nb Alloy in Simulated Body Fluid for Implant Application Characterized Using Macro- and , Microelectrochemical Techniques, Abreu-Garcia, A; Souto, RM and Izquierdo, J, Jun 2023, COATINGS 13 (6) **20/4=5,00** 13. Influence of the Coarse Grain Structure of a Titanium Alloy Ti-4Al-3V Formed by Wire-Feed Electron Beam Additive Manufacturing on Strain Inhomogeneities and Fracture, Klimenov, V; Kolubaev, E; (...); Khimich, M, May 23 2023 **20/4=5,00** 14. MATERIALS 16 (11)The Clinical Use of Osteobiologic and Metallic Biomaterials in Orthopedic Surgery: The Present and the Future, Choi, SR; Kwon, JW; (...); Lee, BH, May 10 2023, MATERIALS 16 (10) **20/4=5,00** 15. Design of Ti-Mo-W Alloys and Its Correlation with Corrosion Resistance in Simulated Body Fluid (SBF), Ghica, SI; Ghica, VG; (...); Ungureanu, E, Mar 2023, MATERIALS 16 (6) **20/4=5,00** 16. Using Applied Electrochemistry to Obtain Nanoporous TiO2 Films on Ti6Al4V Implant Alloys and Their Preclinical In Vitro Characterization in Biological Solutions, Benea, L; Ravoiu, A; (...); Axente, ER, Mar 2023, COATINGS 13 (3) **20/4=5,00** 17. Biodegradable Cements for Bone Regeneration, Liu, DC; Cui, C; (...); Chen, S, Mar 2023, JOURNAL OF FUNCTIONAL BIOMATERIALS 14 (3) **30/4=6,00** 18. Antimicrobial Properties of TiNbSn Alloys Anodized in a Sulfuric Acid Electrolyte, Mori, Y; Fujimori, S; (...); Masahashi, N Feb 2023, MATERIALS 16 (4) **20/4=5,00** 19. TiO2 SURFACES MODIFICATION FOR AMOXICILLIN RELEASE USED IN DENTAL IMPLANTOLOGY, Paun, AG 2023, UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN SERIES B-CHEMISTRY AND MATERIALS SCIENCE 85 (2) , pp.71-84 **5/4=1,25** **133. Jamil, N.H.; Abdullah, M.M.A.B.; Ibrahim, W.M.A.W.; Rahim, R.; Sandu, A.V.; Vizureanu, P.; Castro-Gomes, J.; Gómez-Soberón, J.M. Effect of Sintering Parameters on Microstructural Evolution of Low Sintered Geopolymer Based on Kaolin and Ground-Granulated Blast-Furnace Slag. Crystals 2022, 12, 1553. (14,37)** 1. From waste to resource: energy-efficient production of glass-ceramic using blast furnace slag, Bagheri, M, Nov 2024 (Early Access), JOURNAL OF THE AUSTRALIAN CERAMIC SOCIETY **15/8=1,87** 2. Molecular dynamics simulation of the initial stage induction of alkali-activated aluminosilicate minerals, Guo, F; Chen, JZ; (...); Lu, S Apr 25 2024, RSC ADVANCES 14 (20) , pp.13972-13983 **20/8= 2,50** 3. A comprehensive review on compressive strength and microstructure properties of GGBS-based geopolymer binder systems Mishra, J; Nanda, B; (...); Krishna, RS, Feb 23 2024, CONSTRUCTION AND BUILDING MATERIALS 417 **30/8= 3,75** 4. Investigation of phase and structural states in nanocrystalline powders based on zirconium dioxide, Nerubatskyi, VP; Vovk, RV; (...); Komarova, HL, Nov 2023, LOW TEMPERATURE PHYSICS 49 (11) , pp.1277-1282 **10/8= 1,25**		

Structura activităţii	Restricţii Prof	Punctaj
5. The Influence of Substitution of Fly Ash with Marble Dust or Blast Furnace Slag on the Properties of the Alkali-Activated Geopolymer Paste, Ionescu, BA; Barbu, AM; (...); Florean, C, Feb 2023, COATINGS 13 (2) **20/8= 2,50** 6. Characteristics of Bauxite Residue-Limestone Pellets as Feedstock for Fe and Al2O3 Recovery, Kar, MK and Safarian, J, Jan 2023, PROCESSES 11 (1) **20/8= 2,50** **134. BALTATU M.S., CHIRIAC-MORUZZI C., VIZUREANU P., TÓTH L., NOVÁK J., Effect of Heat Treatment on Some Titanium Alloys Used as Biomaterials, Appl. Sci. 2022, 12, 11241. (32,00)** 1. Assessment on heat treatment and machinability of DMLS-processed Ti64 alloy, Mathew, RR; Khan, MA and Jappes, JTW, Nov 2024 (Early Access), PROGRESS IN ADDITIVE MANUFACTURING **20/5=4,00** 2. Pulsed laser surface texturing enhancing corrosion resistance of rare-earth WE43 magnesium alloys in simulated body fluid environment Chen, R; Yao, YS; (...); Dai, NW, Nov 15 2024, JOURNAL OF ALLOYS AND COMPOUNDS 1005 **30/5=6,00** 3. Effect of cryogenic coupled magnetic field treatment on the microstructure and mechanical properties on Ti-6Al-4V titanium alloy Song, X; Qi, HP; (...); Li, ZJ, Aug 2024, MATERIALS TODAY COMMUNICATIONS 40 **20/5=4,00** 4. Effect of heat treatment on the phases, pore size, roughness, wettability, hardness, adhesion, and wear of Ti-25Ta MAO coatings for use as biomaterials Kuroda, PAB; de Mattos, FN; (...); Afonso, CRM Oct 2023, JOURNAL OF MATERIALS SCIENCE 58 (39) , pp.15485-15498 **20/5=4,00** 5. Influence of the Chemical Composition and Topography of the Ti6Al7Nb Surface Etched in Fluorine Plasma on Its Selected Properties Jedrzejczak, A; Paluch, M and Makowka, M, Oct 2023, ADVANCED ENGINEERING MATERIALS 25 (19) **20/5=4,00** 6. The influence of microstructure and texture on the hardening by annealing effect in cold-rolled titanium, Majchrowicz, K; Sotniczuk, A; (...); Garbacz, H, Jul 5 2023, JOURNAL OF ALLOYS AND COMPOUNDS 948 **30/5=6,00** 7. Using Applied Electrochemistry to Obtain Nanoporous TiO2 Films on Ti6Al4V Implant Alloys and Their Preclinical In Vitro Characterization in Biological Solutions, Benea, L; Ravoiu, A; (...); Axente, ER, Mar 2023, COATINGS 13 (3) **20/5=4,00** **135. Baidrulhisham, S.E.; Noor, N.M.; Hassan, Z.; Sandu, A.V.; Vizureanu, P.; Ul-Saufie, A.Z.; Zainol, M.R.R.M.A.; Kadir, A.A.; Deák, G. Effects of Weather and Anthropogenic Precursors on Ground-Level Ozone Concentrations in Malaysian Cities. Atmosphere 2022, 13, 1780. (14,43)** 1. House dust mites eradication treatments: Current updates emphasizing on tropical countries, Seow, I; Siew, ZY; (...); Voon, K, Dec 2024, TROPICAL BIOMEDICINE 41 (4) , pp.450-460 10/9=**1,11** 2. First temporal distribution model of ambient air pollutants (PM2.5, PM10, and O3) in Yangon City, Myanmar during 2019-2021, Pyae, TS and Kallawicha, K, Apr 15 2024, ENVIRONMENTAL POLLUTION 347 **30/9=3,33** 3. Nexus between environmental degradation and climate change during the times of global conflict: Evidence from CS-ARDL model Singh, S; Sharma, GD; (...); Bansal, P, Jun 2024, ENVIRONMENTAL AND SUSTAINABILITY INDICATORS 22 **30/9=3,33** 4. Multi-year observations of particulate matter and gases over Mumbai: Spatio-temporal variation, oxidation ratios, and secondary aerosols Korhale, N; Anand, V; (...); Murthy, BS, Dec 2023, ATMOSPHERIC POLLUTION RESEARCH 14 (12) **20/9=2,22** 5. Efficacy of nanoparticles for ameliorating detrimental effects of ozone and salinity, Adrees, M; Iram, M; (...); Khalid, I, 2023, OZONE POLLUTION AND PLANT HEALTH: UNDERSTANDING THE IMPACTS ANDSOLUTIONS FOR SUSTAINABLE AGRICULTURE 108 , pp.145-161 **20/9=2,22**		

Structura activităţii	Restricţii Prof	Punctaj
6. Effects of Seasonal Variation on Spatial and Temporal Distributions of Ozone in Northeast China, Chen, J; Sun, L; (...); Zang, SY Dec 2022, INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH 19 (23) **20/9=2,22** **136. ACHITEI D.C., BALTATU M.S., VIZUREANU P., SANDU A.V., BENCHEA M., ISTRATE B., Ni-Cr Alloys Assessment for Dental Implants Suitability, Appl. Sci. 2022, 12, 12814. (13,31)** 1. Ni-Cr dental alloys - porcelain firing impact on corrosion properties and surface characteristics, Rylska, D; Sokolowski, G and Sokolowski, K, Jul 1 2024, MATERIALS RESEARCH EXPRESS 11 (7) **10/6=1,66** 2. Influence of the Phase Composition of Titanium Alloys on Cell Adhesion and Surface Colonization, Straumal, BB; Anisimova, NY; (...); Davdian, G, Nov 2023, MATERIALS 16 (22) **20/6=3,33** 3. Silk Fibroin/ZnO Coated TiO2 Nanotubes for Improved Antimicrobial Effect of Ti Dental Implants, Paun, AG; Dumitriu, C; (...); Popescu, S, Sep 2023, MATERIALS 16 (17) **20/6=3,33** 4. Microscopic and Mechanical Characterization of Co-Cr Dental Alloys Joined by the TIG Welding Process, Carek, A; Benic, LS; (...); Kosovic, N, May 22 2023, MATERIALS 16 (10) **20/6=3,33** 5. THE EFFECT OF A COMPOSITE CHITOSAN-SILVER(I) ION COATING ON THE CORROSION RESISTANCE OF THE COBALT-CHROMIUM-MOLYBDENUM ALLOY IN SALINE SOLUTION, Losiewicz, B; Osak, P and Kubisztal, J, 2023, PROGRESS ON CHEMISTRY AND APPLICATION OF CHITIN AND ITS DERIVATIVES 28 , pp.75-88 **10/6=1,66** **137. Wattanapanich, C.; Imjai, T.; Garcia, R.; Rahim, N.L.; Abdullah, M.M.A.B.; Sandu, A.V.; Vizureanu, P.; Matasaru, P.D.; Thomas, B.S. Computer Simulations of End-Tapering Anchorages of EBR FRP-Strengthened Prestressed Concrete Slabs at Service Conditions. MATERIALS 2023, 16, 851. (16,09)** 1. Numerical Analysis on Flexural Shear Behavior of Reinforced Concrete Beams Strengthened with Fiber-Reinforced Polymer Grid and Engineered Cement Composites, Guo, XY; Zhang, ZY; (...); Tian, PG, Aug 2024, BUILDINGS 14 (8) **20/9=2,22** 2. Preparation and characterization of silica aerogel foam concrete: Effects of particle size and content, Li, Z; Wang, GC; (...); Wu, XX Apr 1 2024, JOURNAL OF BUILDING ENGINEERING 82 **30/9=3,33** 3. Numerical Analysis of an Innovative Double-Strap Joint for the Splicing of Near-Surface Mounted Fiber-Reinforced Polymer Bars for Reinforced Concrete Beam Strengthening, Rankovic, S; Zoric, A; (...); Petrovic, Z, Nov 2023, APPLIED SCIENCES-BASEL 13 (22) , **20/9=2,22** 4. Experimental Analysis of an Innovative Double Strap Joint Splicing of GFRP Bars by NSM Methods for Strengthening RC Beams, Rankovic, S; Folic, R; (...); Kovacevic, D, 2024 , PERIODICA POLYTECHNICA-CIVIL ENGINEERING 68 (1) , pp.185-196 **15/9=1,66** 5. Experimental and Numerical Investigations of the Seismic Performance of Reinforced Concrete Frames Strengthened with CFRP Sheets Wang, Y; Chen, WH; (...); Guo, X, Sep 2023, BUILDINGS 13 (9) **20/9=2,22** 6. Experimental Behavior of High-Strength Concrete Reinforced with Aramid Fiber and Polyurethane Resin, Amalraj, EFP and Ilangovan, P, Jul 2023, BUILDINGS 13 (7) **20/9=2,22** 7. The Reinforcing Effect of Nano-Modified Epoxy Resin on the Failure Behavior of FRP-Plated RC Structures, De Maio, U; Gaetano, D; (...); Pranno, A, Apr 24 2023, BUILDINGS 13 (5) **20/9=2,22**		

Structura activităţii	Restricţii Prof	Punctaj
138. Burduhos Nergis, D.P.; Sandu, A.V.; Burduhos Nergis, D.D.; Vizureanu, P.; Bejinariu, C. Phosphate Conversion Coating – a short review, ARCHIVES OF METALLURGY AND MATERIALS, 68, 3, 2023, 1029-1034 DOI: https://doi.org/10.24425/amm.2023.145471 (8,00) 1. Zn-phosphate conversion coatings developed on high-strength steels at reduced processing temperature, Silva-Fernández, S; Díaz, B; (...); Pérez, C, Dec 15 2024, JOURNAL OF ELECTROANALYTICAL CHEMISTRY 975 **20/5=4,00** 2. PDA@α-ZrP/SiO2 incorporated phosphate coating with enhanced corrosion resistance and friction resistance, Tian, YQ; Li, W; (...); Sheng, XX, Aug 5 2024, RSC ADVANCES 14 (34) , pp.24661-24670 **20/5=4,00** **139. Mydin, M.A.O.; Abdullah, M.M.A.B.; Razak, R.A.; Nawi, M.N.M.; Risdanareni, P.; Puspitasari, P.; Sandu, A.V.; Baltatu, M.S.; Vizureanu, P. Study on Polypropylene Twisted Bundle Fiber Reinforced Lightweight Foamed Concrete. BUILDINGS 2023, 13, 541. https://doi.org/10.3390/buildings13020541 (4,44)** 1. Research on flexural mechanical properties and mechanism of green ecological coir fiber foamed , concrete (CFFC), Wu, C, Jul 24 2024 ,SCIENTIFIC REPORTS 14 (1) **20/9=2,22** 2. Effect of moisture content on properties, microstructure and carbon sequestration of CO2-cured cement mortar mixed with chelator, Zhuang, RH; Li, Y; (...); Yu, JY, Jun 15 2024, JOURNAL OF BUILDING ENGINEERING 87 **20/9=2,22** **140. Luhar, I.; Luhar, S.; Abdullah, M.M.A.B.; Sandu, A.V.; Vizureanu, P.; Razak, R.A.; Burduhos-, Nergis, D.D.; Imjai, T. Solidification/Stabilization Technology for Radioactive Wastes Using Cement: An Appraisal. MATERIALS 2023, 16, 954. https://doi.org/10.3390/m a16030954 (25,62)** 1. Radiation stability and durability of magnesium phosphate cement for radioactive reactive metals, encapsulation, Fattori, F; Magugliani, G; (...); Mariani, M, Dec 2024, PROGRESS IN NUCLEAR ENERGY 177 **20/8=2,5** 2. Cesium stabilization by engineered alkaline attack of glass for pharmaceutical containers, Lago, D; Tameni, G; (...); Bernardo, E, Oct 1 2024, MATERIALS LETTER, 372 **20/8=2,5** 3. Progress and perspectives on hexavalent uranium waste forms for the immobilization of uranium-rich radioactive wastes, Zhang, YJ, Sep 15 2024, MATERIALS CHEMISTRY AND PHYSICS 324 **20/8=2,5** 4. Effects of Micro- and Nanosilica on the Mechanical and Microstructural Characteristics of Some Special Mortars Made with Recycled Concrete Aggregates, Mazilu, C; Deju, R; (...); Barbu, A, Jun 2024, MATERIALS 17 (12) **20/8=2,5** 5. Shear strength of soil by using rice husk ash waste for sustainable ground improvement, Shehata, AAA; Owino, AO; (...); Hossain, Z, Apr 10 2024, DISCOVER SUSTAINABILITY 5 (1) **20/8=2,5** 6. Cement-based solidification of nuclear waste: Mechanisms, formulations and regulatory considerations, Barbhuiya, S; Das, BB; (...); Adak, D, Apr 2024, JOURNAL OF ENVIRONMENTAL MANAGEMENT 356 **30/8=3,75** 7. Nuclear Waste Management: Recycling and Long-term Safe Storage, Cetina, I, 2024, KEMIJA U INDUSTRIJI-JOURNAL OF CHEMISTS AND CHEMICAL ENGINEERS 73 (5-6) , pp.249-261 **10/8=1,25** 8. Permeable Concrete Barriers to Control Water Pollution: A Review, Rahman, ROA; El-Kamash, AM and Hung, YT, Nov 2023, WATER 15 (21) **20/8=2,5** 9. Evaluation of the Solidification of Radioactive Wastes Using Blast Furnace Slag as a Solidifying Agent		

Structura activităţii	Restricţii Prof	Punctaj
Jeon, JH; Lee, JH; (...); Kim, SO, Oct 2023, MATERIALS 16 (19) **20/8=2,5** 10. A comprehensive review of radioactive pollution treatment of uranium mill tailings, Xin, JY; Hong, CS; (...); Liu, Y, Oct 2023, ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH 30 (46) , pp.102104-102128 **5/8=0,62** 11. Recent progress in high-performance environmental impacts of the removal of radionuclides from, wastewater based on metal-organic frameworks: a review, Sheta, SM; Hamouda, MA; (...); El-Sheikh, SM, Aug 21 2023, RSC ADVANCES 13 (36) , pp.25182-25208 **20/8=2,5** **141. Wei, L.K.; Abd Rahim, S.Z.; Al Bakri Abdullah, M.M.; Yin, A.T.M.; Ghazali, M.F.; Omar, M.F.; Nmeș, O.; Sandu, A.V.; Vizureanu, P.; Abdellah, A.E.-h. Producing Metal Powder from Machining Chips Using Ball Milling Process: A Review. MATERIALS 2023, 16, 4635. (42,5)** 1. Steel Chips as a Raw Material for MEX, Batista, CD and Vieira, MTF, Nov 2024, METALS 14 (11) **20/10=2,00** 2. Microstructure and Corrosion Resistance of 7075 Aluminium Alloy Composite Material Obtained from Chips in the High-Energy Ball Milling Process Koscielniak, B; Groch, D; (...); Kwolek, P, Nov 2024, MATERIALS 17 (21) **20/10=2,00** 3. Magnesium-Titanium Alloys: A Promising Solution for Biodegradable Biomedical Implants, Sharma, SK; Gajevic, S; (...); Stojanovic, B, Nov 2024, MATERIALS 17 (21), **20/10=2,00** 4. Current trends in macromolecular synthesis of inorganic nanoparticles, Karafinski, B and Sinha, N Oct 2024, MRS COMMUNICATIONS 14 (5) , pp.862-875 **15/10=1,50** 5. Ball-milling preparation of La2O3/AgI 2 O 3 /AgI nanocomposite with enhanced photocatalytic activity Wei, DP; Quan, Y; (...); Wang, ZH, Nov 15 2024, MATERIALS LETTERS 375 **20/10=2,00** 6. Efficiently preserving material resources in manufacturing: Industrial symbiosis revisited, Duflou, JR; Wegener, K; (...); Hendrickx, B, 2024, CIRP ANNALS-MANUFACTURING TECHNOLOGY 73 (2) , pp.695-721 **20/10=2,00** 7. The Challenges and Advances in Recycling/Re-Using Powder for Metal 3D Printing: A Comprehensive Review, Lanzutti, A and Marin, E, Aug 2024, METALS 14 (8), **20/10=2,00** 8. Applications of nanotechnology and nanoproduction techniques, Ali, M, Jul 29 2024, OPEN ENGINEERING 14 (1), **20/10=2,00** 9. A comprehensive review on the application of semiconductor nanometal oxides photocatalyst for the treatment of wastewater, Thennarasu, G; Rajendran, S; (...); Senthilvelan, T, Feb 2025, CLEAN TECHNOLOGIES AND ENVIRONMENTAL POLICY 27 (2) , pp.495-516 **20/10=2,00** 10. A Comparative Evaluation of Powder Characteristics of Recycled Material from Bronze Grinding Chips for Additive Manufacturing, Uhlmann, E; Polte, J; (...); Rethmeier, M, Jul 2024, MATERIALS 17 (14) **20/10=2,00** 11. Recent Advancements in Material Waste Recycling: Conventional, Direct Conversion, and Additive Manufacturing Techniques, Golvaskar, M; Ojo, SA and Kannan, M, Jun 2024, RECYCLING 9 (3) , **20/10=2,00** 12. Recent Advances in Ball-Milled Materials and Their Applications for Adsorptive Removal of Aqueous Pollutants, Gao, P; Fan, XH; (...); Wang, QH, Jun 2024, WATER 16 (12) **20/10=2,00** 13. Solution-processed 2D van der Waals networks: Fabrication strategies, properties, and scalable device applications, Rhee, D; Jariwala, D; (...); Kang, J, Jun 2024, APPLIED PHYSICS REVIEWS 11 (2) **30/10=3,00** 14. Achieving optimal balance: tuning electrical and optical characteristics of carbon electrodes for emerging photovoltaics, Gul, AS; Noman, M; (...); Khan, AD, May 10 2024, RSC ADVANCES 14 (22) , pp.15571-15581 **20/10=2,00**		

Structura activităţii	Restricţii Prof	Punctaj
15. Revealing the Dynamics of Oxygen Vacancy in ZnO1-x /Cu during Robust Methanol Synthesis from CO2, Zhang, FX; Li, BY; (...); Xie, PF, Apr 23 2024, ACS CATALYSIS 14 (9) , pp.7136-7148, **20/10=2,00** 16. The Microstructure and Properties of Al-Mn-Cu-Zr Alloy after High-Energy Ball Milling and Hot-Press Sintering, Yakovtseva, OA; Mochugovskiy, AG; (...); Mikhaylovskaya, AV, Mar 2024 METALS 14 (3) **20/10=2,00** 17. Solid-state production of uniform metal powders for additive manufacturing by ultrasonic vibration machining, Wang, YK; Landis, M; (...); Guo, P, Feb 5 2024, ADDITIVE MANUFACTURING 81 **20/10=2,00** 18. Effect of different PCA types on morphology, physical, thermal and mechanical properties of AA2024-B4C composites, Tunc, SA; Canakci, A; (...); Türkmen, M, Feb 1 2024, POWDER TECHNOLOGY 434 **20/10=2,00** 19. Silver-Assisted Hydrogen Evolution from Aluminum Oxidation in Saline Media, Buryakovskaya, OA; Maslakov, KI; (...); Vlaskin, MS, Jan 2024, MOLECULES 29 (2) **20/10=2,00** 20. A Review of the Grinding Media in Ball Mills for Mineral Processing, Matsanga, N; Nheta, W and Chimwani, N, Nov 2023, MINERALS 13 (11) **20/10=2,00** 21. Effect of Mechanical Alloying on the Dissolution of the Elemental Mn and Al-Mn Compound in Aluminum, Yakovtseva, OA; Emelina, NB; (...); Mikhaylovskaya, AV, Oct 2023, METALS 13 (10) **20/10=2,00** **142. KONG L., HEYDARI Z., LAMI G.H., SABERI A., BALTATU M.S., VIZUREANU P., A Comprehensive Review of the Current Research Status of Biodegradable Zinc Alloys and Composites for Biomedical Applications, Materials 2023, 16, 4797. (51,65)** 1. Functionalized graphene nano-platelet reinforced magnesium-based biocomposites for potential implant applications, Zhang, XL; Hong, JM and Chen, G, Sep 2024 (Early Access), PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART B-JOURNAL OF ENGINEERING MANUFACTURE **15/6=2,50** 2. Biodegradable PMMA coated Zn-Mg alloy with bimodal grain structure for orthopedic applications - A promising alternative, Diaa, AA; El-Mahallawy, N; (...); Carradò, A, Sep 2024, BIOACTIVE MATERIALS 39 , pp.479-491, **30/6=5,00** 3. An Analytical Review on the Degradation Mechanisms and Magnesium Alloy Protective Coatings in Biomedical Applications, Vinothkumar, C and Rajyalakshmi, G, Nov 2024, TRANSACTIONS OF THE INDIAN INSTITUTE OF METALS 77 (11) , pp.3231-3243, **20/6=3,33** 4. Corrosion Behavior and Mechanical Properties of Zn-Ti Alloys as Biodegradable Materials, Sutic, AT; Chelariu, R; (...); Zegan, G, Jul 2024, METALS 14 (7) , **20/6=3,33** 5. Optimization of friction stir processing to improve the mechanical properties of bone fixation plate inputs made of ZK60 magnesium alloy, Thanikodi, S; Giri, J; (...); Saravanan, R, Jan 2025, INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY 136 (1) , pp.297-314 **20/6=3,33** 6. Microstrain Ability and Biocompatibility of 3D Needle-Punched Carbon Fiber/Poly(ether ether ketone) Composite Bone Plates, Zhou, XY; Sun, DH; (...); Zhang, M, Jun 2024 (Early Access), ACS APPLIED POLYMER MATERIALS **30/6=5,00** 7. Effect of Ta2O5 nanoparticles on bioactivity, composition, structure, in vitro and in vivo behavior of PEO coatings on Mg-alloy, Mashtalyar, DV; Imshinetskiy, IM; (...); Gnedenkov, SV, Jun 2024, JOURNAL OF MAGNESIUM AND ALLOYS 12 (6) , pp.2360-2379 **30/6=5,00**		

Structura activităţii	Restricţii Prof	Punctaj
8. How alloying and processing effects can influence the microstructure and mechanical properties of directly extruded thin zinc wires, Nienaber, M; Bramkamp, S; (...); Bohlen, J, Jul 2024, MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING 905, **30/6=5,00** 9. The effect of magnesium and copper addition on the microstructure, mechanical properties, and corrosion rate of as-cast biodegradable zinc alloys, Gieleciak, M; Janus, K; (...); Jarzebska, A, May 2024 , BULLETIN OF THE POLISH ACADEMY OF SCIENCES-TECHNICAL SCIENCES 72 (3), **15/6=2,50** 10. Biodegradable Zn-Mn-Li alloy with a promising balance of mechanical property and corrosion resistance, Yang, XX; Bao, WZ; (...); Xie, GQ, May-jun 2024, JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T 30 , pp.1852-1863 **30/6=5,00** 11. Mechanical Properties and Corrosion Rate of ZnAg3 as a Novel Bioabsorbable Material for Osteosynthesis, Roesner, M; Zankovic, S; (...); Seidenstuecker, M, Feb 2024, JOURNAL OF FUNCTIONAL BIOMATERIALS 15 (2) **30/6=5,00** 12. Influence of the Phase Composition of Titanium Alloys on Cell Adhesion and Surface Colonization Straumal, BB; Anisimova, NY; (...); Davdian, G, Nov 2023, MATERIALS 16 (22) **20/6=3,33** 13. Corrosion behavior, mechanical properties, and in-vitro biocompatibility of cast Mg-3Zn-xSi biodegradable alloys for bone regeneration, Safwat, EM; Hammam, RE; (...); El-Hadad, S. Sep 2023, SN APPLIED SCIENCES 5 (9) **20/6=3,33** **143. Mohamad, N.A.; Hamzah, S.; Hairom, N.H.H.; Zahid, M.S.A.; Ali, K.A.M.; Ghazali, C.M.R.; Sandu, A.V.; Abdullah, M.M.A.B.; Vizureanu, P. Poly-ferric sulphate as superior coagulant: , A review on preparation methods and properties, REVIEWS ON ADVANCED MATERIALS SCIENCE, 2023, 62, 20220327, https://doi.org/10.1515/rams-2022-0327 (9,99)** 1. Highly efficient remediation of Sb-contaminated mine drainage using nano-calcium peroxide induced co-precipitation treatment, Ma, XX; Xia, H; (...); Han, RP, Sep 2024, JOURNAL OF WATER PROCESS ENGINEERING 66 **30/9=3,33** 2. Coagulation in combination with anaerobic digestion for enhancement of resource recovery from faecal sludge, Dong, PY; Li, J; (...); Van Hulle, SWH, May 2024, JOURNAL OF ENVIRONMENTAL MANAGEMENT 358 **30/9=3,33** 3. Treatment of landfill leachate by coagulation: A review, Chen, HN; Xu, H; (...); Wang, DS, Feb 20 2024, SCIENCE OF THE TOTAL ENVIRONMENT 912 **30/9=3,33** **144. BALTATU M.S., VIZUREANU P., SANDU A.V., SOLCAN C., HRITCU L.D., SPATARU M.C., Research Progress of Titanium-Based Alloys for Medical Devices, Biomedicines 2023, 11, 2997. (6,65)** 1. On β-titanium alloys: tailoring gamma-ray, and neutron transmission properties for nuclear and biomedical applications, AlMisned, G; Baykal, DS; (...); Tekin, HO, Oct 7 2024, METALLURGICAL RESEARCH & TECHNOLOGY 121 (5) **10/6=1,66** 2. Development of Biocompatible Coatings with PVA/Gelatin Hydrogel Films on Vancomycin-Loaded Titania Nanotubes for Controllable Drug Release, Wattanavijitkul, T; Khamwannah, J; (...); Aramwit, P Aug 22 2024, ACS OMEGA 9 (35) , pp.37052-37062 **20/6=3,33** 3. PREDICTION OF ELASTIC MODULUS, YIELD STRENGTH, AND TENSILE STRENGTH IN BIOCOMPATIBLE TITANIUM ALLOYS, Markovic, G; Ruzic, J; (...); Manojlovic, VD, 2024, JOURNAL OF MINING AND METALLURGY SECTION B-METALLURGY 60 (2) , pp.273-282 **10/6=1,66**		

Structura activităţii	Restricţii Prof	Punctaj
145. SABERI A., BALTATU M.S., VIZUREANU P., The Effectiveness Mechanisms of Carbon Nanotubes (CNTs) as Reinforcements for Magnesium-Based Composites for Biomedical Applications: A Review, Nanomaterials, 2024, 14, 756. (23,32) 1. Functionalized graphene nano-platelet reinforced magnesium-based biocomposites for potential implant applications, Zhang, XL; Hong, JM and Chen, G, Sep 2024 (Early Access), PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART B-JOURNAL OF ENGINEERING MANUFACTURE **15/3=5,00** 2. Microstructure Evolution and Mechanical Properties of NiAl-TiB2 Nanocomposite Produced by Heat Treatment Post Mechanical Alloying, Kaikhosravi, A; Sadeghian, Z and Tayebi, M, Nov 2024, TRANSACTIONS OF THE INDIAN INSTITUTE OF METALS 77 (11) , pp.4001-4013 **15/3=5,00** 3. Influence of Noble Metals on Morphology and Topology of Structural Elements in Magnesium Alloy Greshta, VL; Shalomeev, VA; (...); Tabunshchyk, SS, Sep 2024, MATERIALS 17 (17) **20/3=6,66** 4. Understanding the anti-corrosion characteristics of surface modification of h-BN and carbon nanotubes/magnesium composites in simulated seawater, Aigbodion, VS; Alayyaf, AA and Ozoude, CJ Jul 26 2024, RSC ADVANCES 14 (33) , pp.24152-24164 **20/3=6,66** **146. SABERI A., BALTATU M.S., VIZUREANU P., Recent Advances in Magnesium–Magnesium Oxide Nanoparticle Composites for Biomedical Applications, Bioengineering, 2024, 11, 508. https://doi.org/10.3390/bioengineering11050508 (28,32)** 1. Effect of Zn, Ti and Sn dopants on the structural, morphological and optical properties of MgO nanoparticles synthesized via green combustion using Persicaria odorata leaves extract, Saidi, NSM; Badar, N; (...); Elong, K, Oct 2024 (Early Access), EMERGENT MATERIALS **20/3=6,66** 2. Functionalized graphene nano-platelet reinforced magnesium-based biocomposites for potential implant applications, Zhang, XL; Hong, JM and Chen, G, Sep 2024 (Early Access), PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART B-JOURNAL OF ENGINEERING MANUFACTURE **15/3=5,00** 3. Microstructure Evolution and Mechanical Properties of NiAl-TiB2 Nanocomposite Produced by Heat Treatment Post Mechanical Alloying, Kaikhosravi, A; Sadeghian, Z and Tayebi, M, Nov 2024, TRANSACTIONS OF THE INDIAN INSTITUTE OF METALS 77 (11) , pp.4001-4013 **15/3=5,00** 4. Ferula latisecta gels for synthesis of zinc/silver binary nanoparticles: antibacterial effects against gram-negative and gram-positive bacteria and physicochemical characteristics, Es-haghi, A; Amiri, MS and Yazdi, MET, Aug 1 2024, BMC BIOTECHNOLOGY 24 (1) **20/3=6,66** 5. Metal nanoparticles - a real threat or harmless companions for the thyroid gland? A review, Wysoczanska, K; Tomaszewska-Zaremba, D and Wójcik-Gladysz, A, 2024, JOURNAL OF ANIMAL AND FEED SCIENCES 33 (4) , pp.416-430 **15/3=5,00** **147. Achitei, DC ; Vizureanu, P ; Minea, AA; Al Bakri Abdullah, MM ; Minciuna, MG ; Sandu, AV,Improvement of Properties of Aluminum Bronze CuAl7Mn3 by Heat Treatments, Edited by:Slatineanu, L; Merticaru, V; Nagit, G; Coteata, M; Axinte, E; Dusa, P; Ghenghea, L; Negoescu, F; Lupescu, O; Tita, I; Dodun, O; Musca, G, ENGINEERING SOLUTIONS AND TECHNOLOGIES IN MANUFACTURING, Book Series: Applied Mechanics and Materials, Volume: 657, 2014, Pages: 412. (1,66)** 1. Regularities of Structure Formation During Friction Stir Processing of CuAl9Mn2 Copper Alloy with Addition of Tungsten Powder to the Surface Layer Author(s): Cheremnov, AM (Cheremnov, A. M.); Kalashnikova, TA (Kalashnikova, T. A.); Chumaevskii, AV		

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(Chumaevskii, A. V.); Kalashnikov, KN (Kalashnikov, K. N.); Teryukalova, NV (Teryukalova, N. V.); Beloborodov, VA (Beloborodov, V. A.); Kolubaev, EA (Kolubaev, E. A.), Source: RUSSIAN PHYSICS JOURNAL Volume: 65 Issue: 7 Pages: 1224-1230 DOI: 10.1007/s11182-022-02755-6 Early Access Date: DEC 2022 Published: DEC 22 2022 **10/6=1,66** **148. Steigmann, R ; Iftimie, N; Sturm, R ; Vizureanu, P; Savin, Complementary methods for nondestructive testing of composite materials reinforced with carbon woven fibers, Edited by:Oanta, E; Comaneci, R; Carausu, C; Placzek, M; Cohal, V; Topala, P; Nedelcu, D, MODERN TECHNOLOGIES IN INDUSTRIAL ENGINEERING (MODTECH2015), Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 95, Article Number: 012091, DOI: 10.1088/1757- 899X/95/1/012091, Published: 2015 (2,00)** 1. Understanding System Complexity in the Non-Destructive Testing of Advanced Composite Products Author(s): Gandhi, N (Gandhi, Nikita); Rose, R (Rose, Rob); Croxford, AJ (Croxford, Anthony J.); Ward, C (Ward, Carwyn), Source: JOURNAL OF MANUFACTURING AND MATERIALS PROCESSING Volume: 6 Issue: 4 Article Number: 71 DOI: 10.3390/jmmp6040071 Published: AUG 2022 **10/5=2,00**		
A3.1.2 BDI		
A3.2 Prezentări invitate în plenul unor manifestări ştiinţifice naţionale şi internaţionale şi Profesor invitat (exclusiv ERASMUS)		**196,00**
A3.2.1 Internaţionale		
1. Expert System used on Materials Processing, la 2nd International Conference on Advanced Material Engineering & Technology (ICAMET 2013) Sensa Hotel, Bandung, Indonesia, November 28-29, 2013, **8,00 p** 2. Prezentare "HEAT TRANSFER IN COMPOSITES IN REAL LIFE" Scoala de vara"Composite Materials: from basic to nano" , Colvilha, Portugalia, iulie 2014: https://www.ubi.pt/Ficheiros/Entidades/Universidade/Document_IP_PNBR_vs8.pdf., **8,00 p** 3. Co-Cr-Mo Alloys Properties Improvement by Si Addition, 3rd International Conference on Advanced Material Engineering & Technology (ICAMET 2014) Duxton Hotel, Ho Chi Minh City, Vietnam, December 4-5, 2014, **8,00 p** 4. EXPERT SYSTEMS USED FOR THERMAL PROCESSES, 3rd International Conference Modern Technologies in Industrial Engineering (ModTech 2015) Flora Hotel, Mamaia, Romania, June 17-20, 2015, **8,00 p** 5. Characterizationof Ti-Mo-Zr-Ta Alloys as Biomaterials (Romat 2016), București, România, November 9-12, 2016., **8,00 p** 6. Characterization and Evaluation of New Ti-Mo based Alloys for Medical Application, International Conference on Optimization and Applications, Morocco, 20-21.04.2020 **8,00 p** 7. In-depth Assessment of New Ti-Mo based Alloys for Medical Application, ICCECIP 2020, Budapest 16-17 Noiembrie 2020, **8,00 p** 8. New Titanium Alloys for Medical Applications, ROMAT 2020/26-27.11.2020 **8,00 p** 9. Latest research on titanium alloys used in medical applications, ICCECIP, BUDAPESTA 2022, **8 p** 10. Novel Titanium Alloys for Medical Applications, BIOMMED 2022 **8 p** 11. Electrochemical behaviour of metallic biomaterials for medical applications, 1st International Postgraduate Conference on Ocean Engineering Technology and Informatics 2021, Universiti Malaysia Terengganu, 21st–22nd June 2021, 8p. 12. Security -related advanced technologies in critical infrastructure, plenary lecturer, SATCIPC 2024, 10-16 iunie 2024, 8p.		96,00
A3.2.2 Naţionale		
1. D.C. Achiţei, P. Vizureanu, D.I. Dană, M.G. Minciună, V. Grancea, Study of aluminium bronze, Mark CuAl9Mn2, Tehnomus, ISSN–1224–029X, No. 20-2013, p. 172 – 177., **4,00 p**		4,00

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A3.2.3 Profesor invitat		
1. National Taiwan University of Science and Technology 2011, **8,00 p** 2. National Taiwan University of Science and Technology 2012, **8,00 p** 3. National Taiwan University of Science and Technology 2013, **8,00 p** 4. National Taiwan University of Science and Technology 2015, **8,00 p** 5. University Perlis Malaysia – 2015, **8,00 p** 6. National Taiwan University of Science and Technology 2016, **8,00 p** 7. University Perlis Malaysia – 2016, **8,00 p** 8. National Taiwan University of Science and Technology 2017, **8,00 p** 9. University Perlis Malaysia – 2017, **8,00 p** 10. University Perlis Malaysia – 2018, **8,00 p** 11. Universiti Malaysia Perlis – 2022 , **8,00 p** 12. Universiti Malaysia Terrenganu – 2023, 8p.		96,00
A3.3 Membru în colectivele de redacţie sau comitete ştiinţifice al revistelor şi manifestărilor ştiinţifice, organizator de manifestări ştiinţifice/ Recenzor pentru reviste şi manifestări ştiinţifice naţionale şi internaţionale indexate ISI		**334,00**
A3.3.1 ISI		
1. Recenzor Modtech. **5,00 p** 2. Recenzor ICIR, **5,00 p** 3. Organizator ICAMET **8,00 p** 4. Organizator ICIR **8,00 p** 5. Membru Comitet ştiinţific ICAMET **8,00 p** 6. Membru Comitet ştiinţific BRAMAT **8,00 p** 7. Chairman ICIR – **12,00 p** 8. Recenzor Waste and biomass valorization **5,00 p** 9. Recenzor Ultrasonics **5,00 p** 10. Recenzor Tribology in industry **5,00 p** 11. Recenzor Toxics **5,00 p** 12. Recenzor Technium **5,00 p** 13. Recenzor Sustainability **5,00 p** 14. Recenzor Surface engineering **5,00 p** 15. Recenzor Sensors **5,00 p** 16. Recenzor Scientific reports. 17. Recenzor Science and engineering of composite materials **5,00 p** 18. Recenzor Rare metals **5,00 p** 19. Recenzor Processes **5,00 p** 20. Recenzor Polymers. **5,00 p** 21. Recenzor Archives of Metallurgy and Materials **5,00 p** 22. Recenzor Atmospheric pollution research journal **5,00 p**		**259,00**

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23. Recenzor Buildings **5,00 p** 24. Recenzor Ceramics international. **5,00 p** 25. Recenzor Coatings **5,00 p** 26. Recenzor Crystals **5,00 p** 27. Recenzor Dentistry journal **5,00 p** 28. Recenzor E-Polymers **5,00 p** 29. Recenzor Energies **5,00 p** 30. Recenzor Environmental research **5,00 p** 31. Recenzor Hybrid advances **5,00 p** 32. Recenzor International journal of cast metals research **5,00 p** 33. Recenzor Journal of building engineering **5,00 p** 34. Recenzor Journal of alloys and compounds **5,00 p** 35. Recenzor Journal of materials research and technology. **5,00 p** 36. Recenzor Materials chemistry and physics. **5,00 p** 37. Recenzor Materials letters **5,00 p** 38. Recenzor Materials science & engineering **5,00 p** 39. Recenzor Materials **5,00 p** 40. Recenzor Materials today communications **5,00 p** 41. Recenzor Metals **5,00 p** 42. Recenzor Micromachines **5,00 p** 43. Recenzor Microstructures **5,00 p** 44. Recenzor Molecules **5,00 p** 45. Recenzor Nanomaterials **5,00 p** 46. Recenzor Next materials. **5,00 p** 47. Recenzor Optics & laser technology **5,00 p** 48. Recenzor Optik**5,00 p**		
A3.3.2 BDI		
1. Editor in Chief of European Journal Materials Science Engineering, **10 = 15,00 p** 2. Recenzor IIIS.ORG 2011, **3,00 p** 3. Recenzor IREME, **3,00 p** 4. Recenzor DEMSET, **3,00 p** 5. Recenzor Intech , **3,00 p** 6. Recenzor Ireheat , **3,00 p** 7. Recenzor ISJ, **3,00 p** 8. Recenzor IJMPT, **3,00 p** 9. Recenzor PCM 2014, **3,00 p** 10. Recenzor ASTR, **3,00 p** 11. Recenzor EJMSE, **3,00 p**		75,00

Structura activităţii	Restricţii Prof	Punctaj
12. Member of the Editorial board of the International Journal on Heat and Mass Transfer - Theory and Applications (IREHEAT http://www.praiseworthyprize.com/ireheat_editorial_board.htm) – **5,00 p** 13. Membru in comitetul editorial Revista ATTIS – **5,00 p** 14. Membru Comitet ştiinţific Euroinvent **5,00 p** 15. Membru Comitet ştiinţific TEME **5,00 p** 16. Organizator EUROINVENT **5,00 p** 17. Comitet organizare - INTERNATIONAL CONFERENCE OF YOUNG RESEARCHERS, "NEW TRENDS IN ENVIRONMENTAL AND MATERIALS ENGINEERING" (TEME), 28 - 30 October 2013, GALAŢI, ROMANIA, http://www.fimm.ugal ro/teme/index.php/committee **5,00 p**		
A3.3.3 Naţionale şi internaţionale neindexate		0
A3.4 Expert evaluare proiect de cercetare		**1615,00**
A3.4.1 Internationale		
1. Eurostars Eureka – 6 proiecte x 10 2. Estonia – 1 proiect x 10 3. MERANET – 25 proiecte x 10 4. PTE – 8 proiecte x 10 5. Cehia – 1 proiect x 10 6. Danemarca – 1 proiect x 10 7. Hong Kong, 2022 – 3 proiecte x 10 8. Polonia, 2022 – 19 proiecte x 10 9. Polonia, 2023 – 34 proiecte x 10 10. Hong Kong, 2023 – 1 proiect x 10 11. PNRR – 20 proiecte x 10 12. Qatar, 2023 – 2 proiecte x 10 13. Comisia Europeana – 17 proiecte x 10 14. Eurostars, 2024 – 1 proiect x 10 15. Hong Kong, 2024 – 3 proiecte x 10 16. Letonia – 1 proiect x 10 17. Olanda – 1 proiect x 10 18. Polonia, 2024 – 13 proiecte x 10 **19.** Qatar, 2024 – 1 proiect x 10		1580,00
A3.4.2 Membru		
1. Membru în echipa de evaluare externă pentru specializarea IPM, SIM, U.T Cluj-Napoca - **5,00** 2. Membru în echipa de evaluare externă pentru specializarea IPM-Zalău, SIM, U.T Cluj-Napoca - 5**,00** 3. Membru în echipa de evaluare externă pentru Ingineria Elaborarii Materialelor Metalice (IEMM), UPB, 2021 5**,00** 4. Membru în echipa de evaluare externă pentru IOSUD Valahia Targoviste, 2021 5**,00** 5. Membru în echipa de evaluare externă pentru IOSUD Universitatea Pitesti, 2021 5**,00** 6. Membru în echipa de evaluare externă pentru Stiinta Materialelor (engleza), UTCN, 2022 5**,00** 7. Membru în echipa de evaluare externă pentru Master Materiale avansate, Universitatea Valahia Targoviste, 2022. 5**,00**		35,00

Structura activităţii	Restricţii Prof	Punctaj
A3.5 Premii		**1350,00**
A3.5.1 Academia Romana		0
A3.5.2 ASAS, AOSR, academii de ramura şi CNCSIS		0
A3.5.3 Premii internaţionale		
Nr. crt. Anul Premiu Eveniment Autorii 1. 2011 Medalia de aur Euroinvent 2011, 14 Mai 2011 Vizureanu P. 2. 2011 Medalia de bronz Euroinvent 2011, 14 Mai 2011 Vizureanu P., Predescu A. 3. 2012 Diploma de merit WIAF, World Inventor Award Festival, 15 Decembrie 2012 Vizureanu P. 4. 2012 Medalia de aur Euroinvent 2012, 12 Mai 2012 Vizureanu P., Stefanica R.G., Achitei D.C., Nejneru C., Perju M.C. 5. 2012 Medalia de argint Euroinvent 2012, 12 Mai 2012 Vizureanu P., Achitei D.C., Nejneru C., Perju M.C., Stefanica R.G. 6. 2012 Medalia de aur INOVA 37th International Invention Show Sibenik, Croatia, 08-10 Noiembrie 2012 Vizureanu P., Predescu A. 7. 2012 Medalia de argint INOVA 37th International Invention Show Sibenik, Croatia, 08-10 Noiembrie 2012 Vizureanu P., Achitei D.C., Nejneru C., Perju M.C., Stefanica R.G. 8. 2012 Medalia de argint INOVA 37th International Invention Show Sibenik, Croatia, 08-10 Noiembrie 2012 Sandu A.V., Bejinariu C., Sandu I.G., Vizureanu P., Ionita I., Sandu I., Baciu C., Vasilache V. 9. 2012 Medalia de aur GIGIF 2012, Korea Cyber International Genius Inventior Fair, Seoul Korea, 25 Noiembrie 2012 Sandu A.V., Bejinariu C., Sandu I.G., Vizureanu P., Ionita I., Sandu I., Baciu C., Vasilache V. 10. 2012 Medalia de aur GIGIF 2012, Korea Cyber International Genius Inventior Fair, Seoul Korea, 25 Noiembrie 2012 Vizureanu P., Achitei D.C., Nejneru C., Perju M.C., Stefanica R.G. 11. 2013 Medalia de argint INFOINVENT, Expozitia Internationala Specializata, 19-22 Noiembrie, Chisinau, Republica Moldova Sandu A.V., Bejinariu C., Sandu I.G., Vizureanu P., Ionita I., Sandu I., Baciu C., Vasilache V. 12. 2014 Medalia de argint Fisherman's Wharf Convention and Exhibition Centre, Macao, 27-29 Iunie 2014 Vizureanu P., Achitei D.C., Nejneru C., Perju M.C., Stefanica R.G. 13. 2015 Medalia de bronz International Warshaw Invention Show, IWIS 2015, 12-14 Octombrie 2015 Sandu A.V., Bejinariu C., Sandu I.G., Vizureanu P., Ionita I., Sandu I., Baciu C., Vasilache V. 14. 2015 Medalia de argint Exhibition at the Thailand Inventors' Day 2015, 2-5 Februarie 2015 Sandu A.V., Bejinariu C., Sandu I.G., Vizureanu P., Ionita I., Sandu I., Baciu C., Vasilache V. 15. 2017 Medalia de aur PRO INVENT 2017, Cluj Napoca, Salonul Inernational al Cercetarii, Inovarii si Inventicii Minciuna M.G., Vizureanu P., Sandu A.V., Abdullah M.M.A.B., Salleh M.A.A.M. 16. 2017 Premiu special ARTA Sibiu, Romanian Association for Alternative Technologies, 27-29 Aprilie 2017 Tugui C.A., Vizureanu P., Steigmann R. 17. 2017 Medalia de bronz Cadet Inova 2017, The International Student Innovation and Stientific Research Exhibition, 27-29 Aprilie 2017 Tugui C.A., Vizureanu P., Steigmann R.		1350,00

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18. 2017 Medalia de argint Exhibition at the Thailand Inventors' Day 2017, 2-6 Februarie 2017 Minciuna M.G., Vizureanu P., Sandu A.V., Abdullah M.M.A.B., Salleh M.A.A.M. 19. 2017 Medalia de argint PROINVENT Cluj Napoca, 23-24 martie 2017, Universitatea Stefan cel Mare, Suceava Minciuna M.G., Vizureanu P., Sandu A.V., Abdullah M.M.A.B., Salleh M.A.A.M. 20. 2018 Medalia de argint ISIF 2018, Istanbul International Invention Fair, 27-29 Septembrie 2018 Minciuna M.G., Vizureanu P., Sandu A.V., Abdullah M.M.A.B., Salleh M.A.A.M. 21. 2018 Medalia de aur iCAN 2018, International Invention Innovation Competition in Canada, 1 Septembrie 2018 Minciuna M.G., Vizureanu P., Sandu A.V., Abdullah M.M.A.B., Salleh M.A.A.M. 22. 2018 Medalia de argint 10th International Exhibition of Inventions & 3rd World Invention and Innovation Forum (Foshan), Septembrie 2018 Minciuna M.G., Vizureanu P., Sandu A.V., Abdullah M.M.A.B., Salleh M.A.A.M. 23. 2018 Premiu special iCAN 2018, International Invention Innovation Competition in Canada, 1 Septembrie 2018 Minciuna M.G., Vizureanu P., Sandu A.V., Abdullah M.M.A.B., Salleh M.A.A.M. 24. 2018 Premiu special 10th International Exhibition of Inventions & 3rd World Invention and Innovation Forum (Foshan), 13-15 Septembrie 2018 Minciuna M.G., Vizureanu P., Sandu A.V., Abdullah M.M.A.B., Salleh M.A.A.M. 25. 2018 Medalia de argint INOVA 2018 Zagreb, Croatia, 14-17 Noiembrie 2018 Vizureanu P., Stefanica R.G., Achitei D.C., Nejneru C., Perju M.C. 26. 2018 Medalia de aur INOVA 2018 Zagreb, Croatia, 14-17 Noiembrie 2018 Vizureanu P., Achitei D.C., Nejneru C., Perju M.C., Stefanica R.G. 27. 2019 Medalia de aur Moscow International Salon of Inventions and Innovation Technologies, Moscow Russia Minciuna M.G., Vizureanu P., Sandu A.V., Abdullah M.M.A.B., Salleh M.A.A.M. 28. 2019 Medalia de aur Moscow International Salon of Inventions and Innovation Technologies, Moscow Russia Minciuna M.G., Vizureanu P., Sandu A.V., Abdullah M.M.A.B., Salleh M.A.A.M. 29. 2019 Premiu special PROINVENT Cluj Napoca, 20-22 Martie 2019 Burduhos Nergis D.D., Vizureanu P., Corbu O.C., Abdullah M.M.A.B., Sandu A.V. 30. 2019 Medalia de aur INOVA Zagreb, Croatia, 13-16 Noiembrie 2019 Burduhos Nergis D.D., Vizureanu P., Corbu O.C., Abdullah M.M.A.B., Sandu A.V. 31. 2019 Medalia de argint UGAL INVENT, Salonul Inovarii si Cercetarii, 16-18 Octombrie 2019 Burduhos Nergis D.D., Vizureanu P., Corbu O.C., Abdullah M.M.A.B., Sandu A.V. 32. 2019 Medalia de aur CADET INOVA 2019, The International Student Innovation and Stientific Research Exhibition, 11-13 Aprilie 2019 Burduhos Nergis D.D., Vizureanu P., Corbu O.C., Abdullah M.M.A.B., Sandu A.V. 33. 2019 Medalia de bronz INFOINVENT 2019, 20-23 Noiembrie 2019, Chisinau, Republica Moldova Toma S.L., Savin G., Toma B.F., Bejinariu C., Ionita I., Vizureanu P., Badarau G., Sandu A.V., Cazac A., Burduhos-Nergis D.P. 34. 2019 Medalia de aur INFOINVENT 2019, 20-23 Noiembrie 2019, Chisinau, Republica Moldova Burduhos Nergis D.D., Vizureanu P., Corbu O.C., Abdullah M.M.A.B., Sandu A.V. 35. 2019 Medalia de argint INTARG Poland, 4-5 Iunie 2019 International Invention and Innovation Show Toma S.L., Savin G., Toma B.F., Bejinariu C., Ionita I., Vizureanu P., Badarau G., Sandu A.V., Cazac A., Burduhos-Nergis D.P. 36. 2019 Premiu special ICE-USV 2019, International Fair of Innovation and Creative Education, 18-20 Iunie 2019 Toma S.L., Savin G., Toma B.F., Bejinariu C., Ionita I., Vizureanu P., Badarau G., Sandu A.V., Cazac A., Burduhos-Nergis D.P.		

Structura activităţii	Restricţii Prof	Punctaj
37. 2019 Diploma de Excelenta CORNELIU GROUP, 22.03.2019 Burduhos Nergis D.D., Vizureanu P., Corbu O.C., Abdullah M.M.A.B., Sandu A.V. 38. 2019 Medalia de argint ICE-USV 2019, International Fair of Innovation and Creative Education, 18-20 Iunie 2019 Suceava Baltatu M.S., Vizureanu P., Sandu A.V. 39. 2019 Diploma de Excelenta PROINVENT Cluj Napoca, 20-22 Martie 2019 Toma S.L., Savin G., Toma B.F., Bejinariu C., Ionita I., Vizureanu P., Badarau G., Sandu A.V., Cazac A., Burduhos-Nergis D.P. 40. 2020 Diploma de apreciere iCAN 2020, International Invention Innovation Competition in Canada, 29 august 2020 Vizureanu P. 41. 2020 Medalia de aur Cadet INOVA 2020/26-28.03.2020 Baltatu M.S., Vizureanu P., Sandu A.V., Abdullah M.M.A.B., Salleh M.A.A.M. 42. 2020 Medalia de argint Cadet INOVA 2020/26-28.03.2020 Baltatu M.S., Vizureanu P. , Sandu A.V., Abdullah M.M.A.B., Salleh M.A.A.M. 43. 2020 Medalia de aur iCAN2020/29.08.2020 Vizureanu P. , Baltatu M.S., Sandu A.V., Bernic M., Balan M. 44. 2020 Medalia de aur ICE-USV 2020/03-05.08.2020 Vizureanu P. , Baltatu M.S., Sandu A.V., Bernic M., Balan M. 45. 2020 Medalia de aur INOVA CROATIA Vizureanu P. , Baltatu M.S., Sandu A.V., Bernic M., Balan M. 46. 2020 Medalia INVENTICA INVENTICA 2020, 29-31 iulie 2020 Baltatu M.S., Vizureanu P. , Sandu A.V., Abdullah M.M.A.B., Salleh M.A.A.M. 47. 2020 Medalia INVENTICA INVENTICA 2020, 29-31 iulie 2020 Vizureanu P. , Baltatu M.S., Sandu A.V., Bernic M., Balan M. 48. 2020 Medalia de aur Singapore International Invention Show, 2-4 Aprilie 2020, Republic of Singapore Burduhos Nergis D.D., Vizureanu P., Corbu O.C., Abdullah M.M.A.B., Sandu A.V. 49. 2020 Premiu special Euroinvent 2020/21-23.05.2020 Baltatu M.S., Vizureanu P. , Sandu A.V., Abdullah M.M.A.B., Salleh M.A.A.M. 50. 2020 Medalia de bronz Thailand Inventors Day 2020/2-6.08.2020 Vizureanu P. , Baltatu M.S., Sandu A.V., Bernic M., Balan M. 51. 2020 Medalia de aur WICO 2020/20-22.08.2020 Vizureanu P. , Baltatu M.S., Sandu A.V., Bernic M., Balan M. 52. 2020 Medalia de aur Online Edition of the Innovation Week IWA 202/01.12.2020 Sandu A.V., Baltatu M.S., Balan M., Bernic M., Vizureanu P. 53. 2020 Medalia de aur Euroinvent 2020/21-23.05.2020 Baltatu M.S., Vizureanu P. , Sandu A.V., Abdullah M.M.A.B., Salleh M.A.A.M. 54. 2020 Medalia de aur Euroinvent 2020/21-23.05.2020 Vizureanu P. , Baltatu M.S., Sandu A.V., Bernic M., Balan M. 55. 2020 Medalia de argint Euroinvent Book Salon 2020/21-23.05.2020 Baltatu M.S., Vizureanu P. 56. 2020 Medalia de argint Pi-Envex 2020/18-21.05.2020 Baltatu M.S., Vizureanu P. , Sandu A.V., Abdullah M.M.A.B., Salleh M.A.A.M., 57. 2020 Medalia de aur INVENTCOR DEVA 2020 Vizureanu P. , Baltatu M.S., Sandu A.V., Bernic M., Balan M. 58. 2020 Medalia de bronz ISIF 2020/05.08-27.09.2020 Vizureanu P. , Baltatu M.S., Sandu A.V., Bernic M., Balan M. 59. 2021 Medalia de aur 2nd Beirut International Innovation Show – BIIS 2021, 10 Aprilie 2021 Vizureanu P. , Baltatu M.S., Sandu A.V., Bernic M., Balan M.		

Structura activităţii	Restricţii Prof	Punctaj
60. 2021 Medalia de aur 2nd Beirut International Innovation Show – BIIS 2021, 10 Aprilie 2021 Burduhos Nergis D.D., Vizureanu P., Corbu O.C., Abdullah M.M.A.B., Sandu A.V. 61. 2021 Diploma de excelenta EUROINVENT BOOK SALON 2021 Vizureanu P. , Claudia Manuela Da Cunha Ferreira Batelho 62. 2021 Medalia de aur WICO World Invention Creativity Olympic / 08 - 10 Iulie 2021 Burduhos Nergis D.D., Vizureanu P., Corbu O.C., Abdullah M.M.A.B., Sandu A.V. 63. 2021 Medalia de aur WICO World Invention Creativity Olympic / 08 - 10 Iulie 2021 Vizureanu P. , Baltatu M.S., Sandu A.V., Bernic M., Balan M. 64. 2021 Premiu special WICO World Invention Creativity Olympic / 08 - 10 Iulie 2021 Vizureanu P. , Baltatu M.S., Sandu A.V., Bernic M., Balan M. 65. 2021 Premiu special ARTA Sibiu, Romanian Association for Alternative Technologies, 20-22 Mai 2021 Vizureanu P. , Baltatu M.S., Sandu A.V., Loghin C.M., Burduhos-Nergis Dumitru Doru, Bernic M., Balan M. 66. 2021 Medalia de argint Thailand Inventors Day 2021 Burduhos Nergis D.D., Vizureanu P., Corbu O.C., Abdullah M.M.A.B., Sandu A.V. 67. 2021 Medalia de argint Thailand Inventors Day 2021 Baltatu M.S., Vizureanu P. , Sandu A.V., Abdullah M.M.A.B., Salleh M.A.A.M. 68. 2021 Medalia de aur EUROINVENT BOOK SALON 2021 Vizureanu P. , Baltatu M.S. 69. 2021 Medalia de aur EUROINVENT 2021 Vizureanu P. , Baltatu M.S., Sandu A.V., Loghin C.M., Burduhos-Nergis Dumitru Doru, Bernic M., Balan M. 70. 2021 Medalia de aur INOVA ZAGREB 2021 / Octombrie 2021 Geanta V., Voiculescu I., Stefanoiu R., Binchiciu H., Vizureanu P. , Kelemen H., Codescu M.M., Sandu A.V., Baltatu M.S., Marinescu V.E. 71. 2021 Medalia de aur INFOINVENT/17-20 Noiembrie 2021 Geanta V., Voiculescu I., Stefanoiu R., Binchiciu H., Vizureanu P. , Kelemen H., Codescu M.M., Sandu A.V., Baltatu M.S., Marinescu V.E., Binchiciu E.F., Patroi D. 72. 2021 Medalia de aur Intarg Poland / 2021 Vizureanu P. , Baltatu M.S., Sandu A.V., Bernic M., Balan M. 73. 2021 Premiu special Intarg Poland / 2021 Vizureanu P. , Baltatu M.S., Sandu A.V., Bernic M., Balan M. 74. 2021 Premiu Special WICO World Invention Creativity Olympic / 08 - 10 Iulie 2021 Vizureanu P. , Baltatu M.S., Sandu A.V., Loghin C.M., Burduhos-Nergis Dumitru Doru, Bernic M., Balan M. 75. 2021 Medalia de argint INOVA ZAGREB 2021 / Octombrie 2021 Mortar N.A.M., Hussin K., Razak R.A., Abdullah M.M.A.B., Hilmi A,H., Sandu A.V., Vizureanu P., Tajudin M.A.M.A., Tahir M.F.M. 76. 2021 Medalia de aur CU-OCIIP EXPO 2021, 28-29 Septembrie 2021 Burduhos Nergis D.D., Vizureanu P., Corbu O.C., Abdullah M.M.A.B., Sandu A.V. 77. 2021 Medalia de aur EUROINVENT BOOK SALON 2021 Vizureanu P. , Burduhos Nergis D.D. 78. 2021 Premiu Special ISIF 2021, Istanbul International Inventions Fair Toma S.L., Savin G., Toma B.F., Bejinariu C., Ionita I., Vizureanu P., Badarau G., Sandu A.V., Cazac A., Burduhos-Nergis D.P.		

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79. 2021 Medalia de argint INOVA ZAGREB 2021 / Octombrie 2021 Geanta V., Voiculescu I., Stefanoiu R., Binchiciu H., Vizureanu P. , Kelemen H., Codescu M.M., Sandu A.V., Baltatu M.S., Marinescu V.E., Binchiciu E.F., Patroi D. 80. 2021 Diploma de excelenta EUROINVENT BOOK SALON 2021 Vizureanu P. 81. 2021 Medalia de aur 1 IDEA 1 WORLD (1l1W) International Innovation, Design and Startup Competition 23-28.02.2021, Istanbul, Turkey Baltatu M.S., Vizureanu P. , Sandu A.V., Abdullah M.M.A.B., Salleh M.A.A.M. 82. 2021 Medalia de aur WICO World Invention Creativity Olympic / 08 - 10 Iulie 2021 Burduhos Nergis D.D., Vizureanu P., Corbu O.C., Abdullah M.M.A.B., Sandu A.V. 83. 2021 Premiu special 1 IDEA 1 WORLD (1l1W), International Innovation, Design and Startup Competition 23-28.02.2021, Istanbul, Turkey Baltatu M.S., Vizureanu P. , Sandu A.V., Abdullah M.M.A.B., Salleh M.A.A.M. 84. 2021 Medalia de aur PROINVENT/ 20-22 Octombrie 2021 Geanta V., Voiculescu I., Stefanoiu R., Binchiciu H., Vizureanu P. , Kelemen H., Codescu M.M., Sandu A.V., Baltatu M.S., Marinescu V.E. 85. 2021 Medalia de aur PROINVENT/ 20-22 Octombrie 2021 Geanta V., Voiculescu I., Stefanoiu R., Binchiciu H., Vizureanu P. , Kelemen H., Codescu M.M., Sandu A.V., Baltatu M.S., Marinescu V.E., Binchiciu E.F., Patroi D. 86. 2021 Medalia de aur Innovation and Creative Education Fair for Youth ICE-USV Vizureanu P. , Baltatu M.S., Sandu A.V., Loghin C.M., Burduhos-Nergis D.D., Bernic M., Balan M. 87. 2021 Medalia de aur 2021 Kaohsiung International Invention & Design EXPO 2-4 Decembrie 2021 Geanta V., Voiculescu I., Stefanoiu R., Binchiciu H., Vizureanu P. , Kelemen H., Codescu M.M., Sandu A.V., Baltatu M.S., Marinescu V.E. 88. 2021 Medalia de aur INVENTCOR 16-18.12.2021 Deva, Romania, Geanta V., Voiculescu I., Stefanoiu R., Binchiciu H., Vizureanu P. , Kelemen H., Codescu M.M., Sandu A.V., Baltatu M.S., Marinescu V.E. 89. 2021 Medalia de aur INVENTCOR 16-18.12.2021 Deva, Romania Geanta V., Voiculescu I., Stefanoiu R., Binchiciu H., Vizureanu P. , Kelemen H., Codescu M.M., Sandu A.V., Baltatu M.S., Marinescu V.E., Binchiciu E.F., Patroi D. 90. 2021 Medalia de aur INFOINVENT 2021, 17-20 Noiembrie 2021, Chisinau, Republica Moldova Geanta V., Voiculescu I., Stefanoiu R., Binchiciu H., Vizureanu P. , Kelemen H., Codescu M.M., Sandu A.V., Baltatu M.S., Marinescu V.E., Binchiciu E.F., Patroi D. 91. 2022 Premiu special EUROINVENT 2022 Vizureanu P., Sandu A.V., Burduhos-Nergis D.D. 92. 2022 Medalia de aur INOVA Croatia 2022 Tugui C.A., Vizureanu P., Sandu A.V. 93. 2022 Medalia de argint 3rd Beirut International Innovation Show – BIIS 2022, 31 May 2022 Burduhos Nergis D.D., Vizureanu P., Corbu O.C., Abdullah M.M.A.B., Sandu A.V. 94. 2022 Medalia de aur 3rd Beirut International Innovation Show – BIIS 2022, 31 May 2022 Geanta V., Voiculescu I., Stefanoiu R., Binchiciu H., Vizureanu P. , Kelemen H., Codescu M.M., Sandu A.V., Baltatu M.S., Marinescu V.E. 95. 2022 Medalia de aur EUROINVENT BOOK SALON 2022 Burduhos-Nergis D.D., Burduhos-Nergis D.P., Baltatu M.S., Vizureanu P. 96. 2022 Medalia de aur EUROINVENT BOOK SALON 2022 Burduhos-Nergis D.P., Burduhos-Nergis D.D., Baltatu M.S., Vizureanu P.		

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97. 2022 Medalia de aur EUROINVENT BOOK SALON 2022 Baltatu M.S., Burduhos-Nergis D.D., Burduhos-Nergis D.P., Vizureanu P.		
98. 2022 Medalia de argint EUROINVENT BOOK SALON 2022 Minciuna M.G., Vizureanu P. , Baltatu M.S.		
99. 2022 Diploma de excelenta PROINVENT 2022, Cluj Napoca Tugui C.A., Vizureanu P., Sandu A.V.		
100. 2022 Premiu special PROINVENT 2022, Cluj Napoca Vizureanu P., Burduhos-Nergis D.D., Sandu A.V.		
101. 2022 Diploma de excelenta PROINVENT 2022, Cluj Napoca Vizureanu P., Burduhos-Nergis D.D., Sandu A.V.		
102. 2022 Medalia de aur 5th China (Shanghai) International Exhibition of Inventions Geanta V., Voiculescu I., Stefanoiu R., Binchiciu H., Vizureanu P. , Kelemen H., Codescu M.M., Sandu A.V., Baltatu M.S., Marinescu V.E.		
103. 2022 Medalia de aur INVENTCOR, DEVA , 15-17.12.2022 Vizureanu P., Burduhos-Nergis D.D., Sandu A.V.		
104. 2022 Premiu de Excelenta Innovation Week IWA 2022 Geanta V., Voiculescu I., Stefanoiu R., Binchiciu H., Vizureanu P. , Kelemen H., Codescu M.M., Sandu A.V., Baltatu M.S., Marinescu V.E.		
105. 2022 Medalia de aur Innovation Week IWA 2022 Geanta V., Voiculescu I., Stefanoiu R., Binchiciu H., Vizureanu P. , Kelemen H., Codescu M.M., Sandu A.V., Baltatu M.S., Marinescu V.E.		
106. 2022 Medalia de argint ICE-USV 2022/iulie 2022 Geanta V., Voiculescu I., Stefanoiu R., Binchiciu H., Vizureanu P. , Kelemen H., Codescu M.M., Sandu A.V., Baltatu M.S., Marinescu V.E.		
107. 2022 Medalia de bronz ICE-USV 2022/iulie 2022 Tugui C.A., Vizureanu P., Sandu A.V.		
108. 2022 Medalia de aur INTARG 2022 Geanta V., Voiculescu I., Stefanoiu R., Binchiciu H., Vizureanu P. , Kelemen H., Codescu M.M., Sandu A.V., Baltatu M.S., Marinescu V.E.		
109. 2022 Medalia de aur ITE 2022, International Ivention&Trade Expo London Tugui C.A., Vizureanu P., Sandu A.V.		
110. 2022 Medalia de aur WICO World Invention Creativity Olympic / 04 - 06 August 2022 Tugui C.A., Vizureanu P., Sandu A.V.		
111. 2022 Medalia de argint iCAN 2022, International Invention Innovation Competition in Canada, 27 Septembrie 2022 Tugui C.A., Vizureanu P., Sandu A.V.		
112. 2022 Best Global Innovator 2022 Innovation Week IWA 2022 Vizureanu P.		
113. 2022 Master of Innovation Innovation Week IWA 2022 Vizureanu P.		
114. 2023 Medalia de aur Euroinvent 2023 Baltatu M.S, Vizureanu P., Sandu A.V.		
115. 2023 Premiu Special Euroinvent 2023 Baltatu M.S, Vizureanu P., Sandu A.V.		
116. 2023 Premiu Special Euroinvent 2023 Baltatu M.S, Vizureanu P., Sandu A.V.		
117. 2023 Premiu Special Euroinvent 2023 Baltatu M.S, Vizureanu P., Sandu A.V.		
118. 2023 Premiu Special Euroinvent 2023 Baltatu M.S, Vizureanu P., Sandu A.V.		
119. 2023 Premiu Special PRO INVENT 2023, Cluj Napoca 2023 Baltatu M.S., Vizureanu P., Sandu A.V., Abdullah M.M.A.B., Salleh M.A.A.M.		
120. 2023 Diploma de Excelenta PRO INVENT 2023, Cluj Napoca 2023 Baltatu M.S., Vizureanu P., Sandu A.V., Abdullah M.M.A.B., Salleh M.A.A.M.		
121. 2023 Medalia de aur UGAL INVENT, 9-12 Noiembrie 2023, Galati Geanta V., Voiculescu I., Stefanoiu R., Binchiciu H., Vizureanu P., Kelemen H., Codescu M.M., Sandu A.V., Baltatu M.S., Marinescu V.E., Binchiciu E.F., Patroi D.		
122. 2023 Medalia de aur UGAL INVENT, 9-12 Noiembrie 2023, Galati Geanta V., Voiculescu I., Stefanoiu R., Binchiciu H., Vizureanu P., Kelemen H., Codescu M.M., Sandu A.V., Baltatu M.S., Marinescu V.E.		

Structura activităţii	Restricţii Prof	Punctaj
123. 2023 Medalia de aur Saudi Global Inventions and Innovation Expo (SGiE, 2023), Jeddah, Saudi Arabia Geanta V., Voiculescu I., Stefanoiu R., Binchiciu H., Vizureanu P., Kelemen H., Codescu M.M., Sandu A.V., Baltatu M.S., Marinescu V.E. 124. 2024 Premiu Special „Traian Vuia" International Exbition of Inventions and Innovations, 13-15 Iunie 2024 Baltatu M.S., Vizureanu P. 125. 2024 Premiu Special „Traian Vuia" International Exbition of Inventions and Innovations, 13-15 Iunie 2024 Baltatu M.S., Vizureanu P. 126. 2024 Diploma de Excelenta „Traian Vuia" International Exbition of Inventions and Innovations, 13-15 Iunie 2024 Baltatu M.S., Vizureanu P. 127. 2024 Diploma de Excelenta Euroinvent 2024 Baltatu M.S., Vizureanu P. 128. 2024 Premiu Special Euroinvent 2024 Baltatu M.S., Vizureanu P. 129. 2024 Medalia de aur Euroinvent 2024 Burduhos-Nergis D.D., Sandu A.V., Baltatu M.S., Achitei D.C., Perju M.C., Brduhos-Nergis D.P., Surleva Andriana, Vizureanu P. 130. 2024 Medalia de aur „Traian Vuia" International Exbition of Inventions and Innovations, 13-15 Iunie 2024 Geanta V., Voiculescu I., Stefanoiu R., Binchiciu H., Vizureanu P., Kelemen H., Codescu M.M., Sandu A.V., Baltatu M.S., Marinescu V.E. 131. 2024 Medalia de aur Japan Design, Idea & Invetion Expo , 5-7 Iulie 2024 Burduhos-Nergis D.D., Sandu A.V., Baltatu M.S., Achitei D.C., Perju M.C., Brduhos-Nergis D.P., Surleva Andriana, Vizureanu P. 132. 2024 First Prize First prize of the Scientific Challenge 2024 Retsch GmbH Vizureanu P., Baltatu M.S., Sandu A.V. 133. 2024 Medalia de aur America Invention Innovation Expo 26-28 August Burduhos-Nergis D.D., Sandu A.V., Baltatu M.S., Achitei D.C., Perju M.C., Brduhos-Nergis D.P., Surleva Andriana, Vizureanu P. 134. 2024 Medalia de aur 2024 International Invention Innovation Competition in Canada, ICAN , 24 august 2024 Burduhos-Nergis D.D., Sandu A.V., Baltatu M.S., Achitei D.C., Perju M.C., Brduhos-Nergis D.P., Surleva Andriana, Vizureanu P. 135. 2024 Medalia de aur THE lsr INTERNATIONAL INNOVATION AND INVENTION SHOW EURO POLITEHNICUS 2024, Bucuresti, Romania, 22-24 November 2024 Vizureanu P., Baltatu M.S., Sandu A.V.		
A3.5.4 Premii naţionale în domeniu		0
A3.6 Membru în academii, organizaţii, asociaţii profesionale de prestigiu, naţionale şi internaţionale, apartenenţă la organizaţii din domeniul educaţiei şi cercetării		**46,00**
A3.6.1 Academia Romana		0
A3.6.2 ASAS, AOSR şi academii de ramură 1. Membru in Academia de Științe Tehnice din România 2. Membru in Academia Oamenilor de Știință din România		20
A3.6.3 Conducere asociaţii profesionale		0
A3.6.3.1 Internaţionale		0
A3.6.3.2 Naţionale		0
A3.6.4 Asociaţii profesionale		22,00
A3.6.4.1 Internaţionale		
1. ASM International, U.S.A., de la 13.12.2007, legitimaţia nr. 542373.**5,00 p** 2. Materials Research Society, U.S.A. de la 01.01.2007.**5,00 p**		10,00
A3.6.4.2 Naţionale		
1. AGIR, membru, legitimaţia nr. 58516. **2,00 p**		12,00

Structura activităţii	Restricţii Prof	Punctaj
2. Societatea de Ştiinţe Matematice din România, legitimaţia nr. 227. **2,00 p** 3. Asociaţia Turnătorilor din România. **2,00 p** 4. Forumul Inventatorilor Romani. **2,00 p** 5. Membru al Societaţii Române de Biomateriale din 2013. **2,00 p** 6. Membru al Asociaţiei Profesionale ModTech Romania. **2,00 p**		
A3.6.5 Organizaţii în Domeniul Educaţiei Şi Cercetării		**4,00**
A3.6.5.1 Conducere		0
A3.6.5.2 Membru		
1. Membru comitet ştiinţific AMCSIT Bucureşti (2007-2009). **2,00 p** 2. Membru în Consiliul Naţional de Atestare a Titlurilor, Diplomelor si Certificatelor Universitare (CNATDCU), Comisia de Ingineria Materialelor, 2016-in present. **2,00 p**		4.00
PUNCTAJ TOTAL Domeniu de activitate A3		**8614.12**

Data: 15.10.2026

Semnătura

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAŞI
FACULTATEA DE ȘTIINȚA ȘI INGINERIA MATERIALELOR
DEPARTAMENTUL DE TEHNOLOGII ȘI ECHIPAMENTE PENTRU PROCESAREA MATERIALELOR
Disciplinele postului: Materiale ceramice
Echipamente şi instalaţii de încălzire
Domeniul de competenţă: Ştiinţa şi Ingineria Materialelor

FIŞA DE VERIFICARE

a îndeplinirii standardelor universităţii de prezentare la examen de promovare pe postul de profesor universitar

Candidat: Petrică Vizureanu / Data naşterii: 17.10.1967, Funcţia actuală: Profesor, Data numirii în funcţia actuală: 01.09.2009, Instituţia: Universitatea Tehnică "Gheorghe Asachi" din Iaşi, Facultatea de Știința și Ingineria Materialelor

1. Studiile universitare de licenţă

Nr. crt.	Instituţia de învăţământ superior şi facultatea absolvită – anul absolvirii	D o m e n i u l / programul de studii (specializarea)	Titlul acordat	Media de şcolaritate (min.8.00)	Media examenului de finalizare (min.9.00)
	Institutul Politehnic “Gh. Asachi” Iaşi	Inginerie Mecanică, 1987-1992	inginer	9,18	10

2. Studiile universitare de master

Nr. crt.	Instituţia de învăţământ superior şi facultatea absolvită – anul absolvirii	D o m e n i u l / programul de studii (specializarea)	Media de şcolaritate (min.9.00)	Media examenului de finalizare (min.9.00)
1.	Universitatea Tehnică “Gh. Asachi” din Iaşi, Facultatea de Știința și Ingineria Materialelor, 2008	Securitate şi sănătate în muncă	10	10
2.	Universitatea Tehnică “Gh. Asachi” din Iaşi, Facultatea de Textile, 2007	Management şi Inginerie Comercială	9,10	9,60
3.	Universitatea Tehnică “Gh. Asachi” din Iaşi, Facultatea de Știința și Ingineria Materialelor, 2007	Evaluator de risc în securitatea şi sănătatea în muncă	10	10
4.	Universitatea Tehnică “Gh. Asachi” din Iaşi, Facultatea de Știința și Ingineria Materialelor, 2007	Igienă ocupaţională	10	10

3.Studiile de doctorat

Nr. crt.	Instituţia organizatoare de doctorat / Conducatorul de doctorat	D o m e n i u l	Perioada	Titlul ştiinţific acordat
1.	Universitatea Tehnică “Gh. Asachi” din Iaşi / Prof. dr. ing. Adrian DIMA	Ştiinţa şi ingineria materialelor	1994-2000	Doctor inginer

3. Studii şi burse postdoctorale (stagii de cel puţin 6 luni)

Nr. crt.	Ţara / I n s t i t u ţ i a	D o m e n i u l / Specializarea	Perioada	Tipul de bursă

4. Grade didactice/profesionale

Nr. crt.	I n s t i t u ţ i a	D o m e n i u l	Perioada	Titlul/postul didactic sau gradul/postul profesional
1.	Universitatea Tehnică “Gh. Asachi” din Iaşi	Ştiinţa şi ingineria materialelor	1993-1996	Preparator universitar
2.	Universitatea Tehnică “Gh. Asachi” din Iaşi	Ştiinţa şi ingineria materialelor	1996-1999	Asistent universitar
3.	Universitatea Tehnică “Gh. Asachi” din Iaşi	Ştiinţa şi ingineria materialelor	1999-2002	Șef lucrări
4.	Universitatea Tehnică “Gh. Asachi” din Iaşi	Ştiinţa şi ingineria materialelor	2002-2009	Conferenţiar universitar
5.	Universitatea Tehnică “Gh. Asachi” din Iaşi	Ştiinţa şi ingineria materialelor	din 2009	Profesor

Tabelul 1. Standardul minimal al universităţii SMU.PROF.1 – Activitatea didactică

Standardul minimal al universităţii SMU.PROF.1 – Activitatea didactică	Indicatori de performanţă		Realizări (se trec cifrele de ordine ale realizărilor cuprinse în lista de lucrări, iar, după caz, celelalte realizări se nominalizează explicit)	Punctaj	Număr impus de realizări	Număr de realizări ale candidatului	Număr puncte
Valoarea contribuţiilor la dezvoltarea activităţilor didactice/ profesionale, cu referire distinctă la realizările după	Ca	Carte/ curs/ manual publicată în străinătate	Ca1	8	-	4	15,12
		Capitol carte/ curs/ manual publicat în străinătate	Ca2	6	-	11	3,41
		Carte/ curs/ manual publicată în editură recunoscută CNCS (unic/ prim autor sau co-autor)	Ca3	5	1	2	6,35

acordarea ultimului titlu didactic/grad profesional prin cărţi publicate în edituri recunoscute, capitole teoretice redactate, sisteme de laborator funcţionale, metode de lucru avansate aplicate etc. - după caz.		Capitol curs/ manual publicat în editură recunoscută CNCS		Ca4	3	-		
	I	Îndrumar/ culegere de probleme (publicat sau disponibil pe Web)		I1	4	1	1	1,80
	D	Sisteme de laborator funcţionale (numai pentru disciplinele prevăzute cu lucrări de laborator)	Amenajare lucrare nouă de laborator cu instalaţie experimentală	D1	2	2	4	7
			Amenajare/ concepere lucrare nouă de laborator/ proiect/ simulare pe calculator/ studiu de caz	D2.1, D2.2	1.5			
			Contribuţie la dotarea laboratoarelor, în valoare echivalentă cu 700 Euro		1	-		
	W	Utilizarea sistemelor de predare/ învăţare/ evaluare de tip e-learning/ on-line/ multimedia etc.	Suport de studiu/ autoinstruire pe Web pentru seminar, laborator, proiect (integral pentru o disciplină)	W1	1	1	1	1
			Suport de prezentare/ instruire text/ video/ audio/ ppt a disciplinei	W2	1		1	1
Total puncte SMU.PROF.1 (min. 24)								**35,68**

Punctajul se calculează conf. Anexei 3.

Alte condiţii:
- deţine diploma de doctor în ramura de ştiinţă corespunzătoare postului sau într-o ramură înrudită;
- deține calitatea de conducător de doctorat

Data: 14.10.2026
Prof. univ. dr. ing. Petrică Vizureanu

Ca1	BALTATU M.S., BURDUHOS-NERGIS D.D., BURDUHOS-NERGIS D.P., **VIZUREANU P.**, *Advanced Metallic Biomaterials*, Materials Research Foundations, Vol. 118, 2022, 162p. *(Print ISBN: 978-1-64490-176-2, DOI: 10.21741/9781644901779)* – **Carte publicată în străinătate**	3,88
Ca2	BURDUHOS-NERGIS D.P., BURDUHOS-NERGIS D.D., BALTATU M.S., **VIZUREANU P.**, *Advanced Coatings for the Corrosion Protection of Metals*, Material Research Forum, USA, 2022, 152p. (ISBN: 978-1-64490-166-3, DOI: 10.21741/9781644901670) – **Carte publicată în străinătate**	3,64
Ca3	BURDUHOS-NERGIS D.D., BURDUHOS-NERGIS D.P., BALTATU M.S**.**, **VIZUREANU P.**, *Ceramics and Composites, Preparation and Applications*, Materials Research Foundations, Vol. 117, 2022, 117p. (ISBN: 978-1-64490-170-0, DOI: 10.21741/9781644901717) – **Carte publicată în străinătate**	2,80
Ca4	**VIZUREANU P.,** BALTATU M.S., *Titanium-Based Alloys for Biomedical Applications*, Materials Research Forum LLC, Vol. 74, 2020, 160p. (ISSN: 2471-8890) – **Carte publicată în străinătate**	4,80
Ca5	BĂLȚATU M.S**.**, **VIZUREANU P.**, SANDU A.V., NABIAŁEK, M., *Appraisal of Several Ti-Based Alloys Used for Medical Applications*, CRC Press, 2025, pag: 1-19, ISBN: 978-1-032-8137-9, DOI: 10.1201/9781003642855, Book: Functionalized Materials Applications in Biomedicine - **Capitol carte publicat în străinătate**	0,34
Ca6	**VIZUREANU P.**, PRUTEANU A., FIERASCU R.C., BALTATU M.S., PIETRUSIEWICZ P., SANDU A.V., NABIAŁEK M., *Evolution and Prospects of Epoxy Materials: From Traditional to Advanced*, 2025, 13 pagini, London, IntechOpen, DOI: 10.5772/intechopen.1012225 - **Capitol carte publicat în străinătate**	0,13
Ca7	BĂLȚATU M.S., **VIZUREANU P.**, SANDU A.V., PRUTEANU A., CIOLACU F., FIERASCU R., SPATARU M.C., KRAWCZYK M.B**.,** *Methods and Processing Techniques of Titanium Alloys*, 2025, 17 pagini, London, IntechOpen, DOI: 10.5772/intechopen.1012294 - **Capitol carte publicat în străinătate**	0,15
Ca8	BĂLȚATU M.S., **VIZUREANU P.**, SANDU A.V., ACHITEI D.C., BURDUHOS NERGIS D.D., PERJU M.C., NABIAŁEK, M., Biocomposites: Materials, Properties, and Applications, 2025, 19 pagini, London, IntechOpen, DOI: 10.5772/intechopen.1010197 - **Capitol carte publicat în străinătate**	0,19
Ca9	BALTATU M.S., **VIZUREANU P.**, SANDU A.V., ACHITEI D.C., PERJU M.C., BURDUHOS-NERGIS D.D., BENCHEA M., *Titanium – A Versatile Metal in Modern Applications*, in Titanium-Based Alloys - Characteristics and Applications, 2024, 21p. (DOI: 10.5772/intechopen.1005742) - **Capitol carte publicat în străinătate**	0,21
Ca10	**VIZUREANU P.,** BALTATU M.S., SANDU A.V., *Novel Titanium Alloys for Tissue Engineering*, in *Novel Biomaterials for Tissue Engineering*, 2024, 26p. (DOI: 10.5772/intechopen.112763) - **Capitol carte publicat în străinătate**	0,62
Ca11	SPATARU M.C., BALTATU M.S., SANDU A.V., **VIZUREANU P.**, *General Trends on Biomaterials Applications: Advantages and Limitations*, in Novel Biomaterials for Tissue Engineering, 2024, 25p. (DOI: 10.5772/intechopen.114838) - **Capitol carte publicat în străinătate**	0,45
Ca12	**VIZUREANU P.,** BALTATU M.S., SANDU A.V., ACHITEI D.C., BURDUHOS-NERGIS D.D., PERJU M.C., *Assessment of Solar Energy Potential Limits within Solids on Heating-Melting Interval*, Latest Research on Energy Recovery, Intech Open, 2022, 25p. (DOI: 10.5772/intechopen.104847) - **Capitol carte publicat în străinătate**	0,30
Ca13	**VIZUREANU P.,** BURDUHOS NERGIS D.D., SANDU A.V., BURDUHOS NERGIS D.P., BALTATU M.S., *The Physical and Mechanical Characteristics of Geopolymers Using Mine Tailings as Precursors*, Advances in Geopolymer-Zeolite Composites - Synthesis and Characterization, 2021, 21p. (DOI: 10.5772/intechopen.97807) - **Capitol carte publicat în străinătate**	0,30
Ca14	**VIZUREANU P**., BĂLȚATU M.S**.**, SANDU A.V., ACHITEI D.C., BURDUHOS NERGIS D.D., PERJU M.C., *New Trends in Bioactive Glasses for Bone Tissue: A Review*, Current Concepts in Dental Implantology - From Science to Clinical Research, 2021, p. 123-145 (23p). (DOI: 10.5772/intechopen.100567) - **Capitol carte publicat în străinătate**	0,27
Ca15	**VIZUREANU P.,** BALTATU M.S., SANDU A.V., *Development of New Advanced Ti-Mo Alloys for Medical Applications*, Intech Open, 2020, 19p.	0,45

	(DOI: 10.5772/intechopen.91906) - **Capitol carte publicat în străinătate**	
Ca16	Baltatu I., Baltatu M.S., **Vizureanu P.**, *Tendințe noi în dezvoltarea aliajelor biocompatibile pe bază de titan*, Ed. PIM, 2024, 135 p. (ISBN 978-606-13-8844-8) – **Carte publicată în editură recunoscută CNCS**	2,70
Ca17	BALTATU M.S., **VIZUREANU P.,** *Materiale Biocompatibile,* Ed. PIM, 2019, 146p. (ISBN: 978-606-13-5168-8) – **Carte publicată în editură recunoscută CNCS**	3,65
I1.	MINCIUNA M.G., **VIZUREANU P.**, BALTATU M.S., *Sisteme Moderne Pentru Aplicații Medicale*, Ed. PIM, 2022, 135p. **- Îndrumar**	1,80
D1.1	Măcinarea aliajelor de titan pentru aplicații biomateriale cu Pulverisette 6 - **Sisteme de laborator funcţionale**	2,00
D1.2	Măcinarea aliajelor pentru aplicații biomateriale cu moara cu bile Retsch PM 300 - **Sisteme de laborator funcţionale**	2,00
D2.1	Caracterizarea și optimizarea aliajelor de titan utilizând echipamente de măcinare avansată - **Concepere lucrare noua**	1,50
D2.2	Metode de pregătire metalografică a unor aliaje de titan prin metode specifice - **Concepere lucrare noua**	1,50
W1	Suport de studiu online, Note de curs – BALTATU M.S.**, VIZUREANU P.**, *Biomateriale metalice* **- Suport de studiu pe Web**	1,00
W2	Suport de studiu online, Note de curs –**VIZUREANU P.,** *Expert systems* **- Suport de studiu pe Web**	1,00
	TOTAL	**35,68**

Data: 14.10.2026
Prof. univ. dr. ing. Petrică Vizureanu

MINISTERUL EDUCAŢIEI ŞI CERCETĂRII
UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAŞI
Bld. Profesor Dimitrie Mangeron nr.67,700050
Tel :*40 232 701111 int. 2535; 2541 URL: www.tuiasi.ro
DIRECŢIA RESURSE UMANE

NR. 2442 / 14.10.2026

ADEVERINŢĂ

Se atestă prin prezenta că dl./d-na Mitrescu Petrica domiciliat(ă) în Iași, str. Parcului, nr. 10, judeţul Iași, având B.I./C.I. seria IS, nr. 103903., eliberat de SPCLEP Iași, este încadrat(ă) în instituţia noastră, pe durată nedeterminată/determinată începând cu data de 01.03.1993 până la data de —, în prezent având funcţia de Profesor univ. dr. ing. - Facultatea C.I.M., cu un salariu de bază de ....., spor vechime ....., gradaţie de merit ....., stabilitate ....., indemnizaţie pentru titlul ştiinţific de doctor ....., alte elemente ale sistemului de salarizare ....., salariu brut ....., salariu net .....

Se eliberează prezenta pentru a-i servi la dosar gradație de merit pentru anii 2021, 2022, 2023, 2024, 2025 / fișe de autoevaluare aprobate de către Directorul de Departament depuse la Serviciul ERU

Şef Serviciu E.R.U.,
ing. Gabriel FLOREA

Şef Serviciu Salarizare,
ec. Anita SĂNDUCU

UNIVERSITATEA TEHNICĂ „GHEORGHE ASACHI" DIN IAŞI

FACULTATEA DE ŞTIINŢA ŞI INGINERIA MATERIALELOR

DEPARTAMENTUL DE TEHNOLOGII ŞI ECHIPAMENTE PENTRU PROCESAREA MATERIALELOR

FIŞA DE AUTOEVALUARE Şi DE EVALUARE DE CĂTRE DIRECTORUL DE DEPARTAMENT

(pentru activitatea în departamentul de încadrare conform contractului de muncă)

Numele şi prenumele cadrului didactic evaluat	VIZUREANU PETRICĂ
Funcţia didactică	PROFESOR

Criteriul de evaluare	Indicatori de performanţă (cu explicitarea modului de calcul a punctajului pentru fiecare realizare, conf. Anexa 1)	Punctaj
1. Activitate didactică (minimum: • 30 puncte prof.; • 15 puncte conf.; • 10 puncte ş.l.; • 5 puncte as.)	**1.1.** Predare discipline/ cursuri noi în planul de învăţământ, pe direcţii neelaborate anterior (se punctează nr. de discipline noi) 1.1.1. Sisteme neconventionale pentru tehnologii moderne, anul II, SITM **20p** 1.1.2. Curs – Materiale ceramice **20 p** 1.1.3 Curs - Utilaje pentru ingineria materialelor **20p**	**60**
	1.2. Elaborare manuale universitare (inclusiv în sistem e-learning) 1.2.1. **Petrică Vizureanu**, Mirabela Georgiana Minciuna, Gianina Iovan and Simona Stoleriu, Book title: Cobalt, Chapter title: Synthesis, Processing and Characterization of the Cobalt Alloys with Silicon Addition, IntechOpen Books, IntechOpen Books, p. 23-48, 2018, **40x(25/100)/4=2,5p** 1.2.2. **Petrică Vizureanu**, Dragoş-Cristian Achiţei, Mirabela-Georgiana Minciună and Manuela-Cristina Perju Book title: Shape-Memory Materials, Chapter title: Aspects Regarding Thermal-Mechanical Fatigue of Shape Memory Alloys, , IntechOpen Books, p.17-42, 2018.**40x(26/100)/4 = 2,6p** 1.2.3. **Petrică Vizureanu**, Manuela-Cristina Perju, Dragoş-Cristian Achiţei and Carmen Nejneru Book title: Advanced Surface Engineering Research, Chapter title: Advanced Electro-Spark Deposition Process on Metallic Alloys, , IntechOpen Books, p.45-68, 2018. **40x(23/100)/4 = 2,3p** 1.2.4. **Vizureanu P.**, Baltatu M.S., Titanium-Based Alloys for Biomedical Applications, editura Materials Research Forum LLC, volume 74 (2020) ISSN 2471-8890, 160 pag. **40 x(160/100)/2= 32p** 1.2.5. **Petrică Vizureanu**, Mădălina Simona Bălţatu, Andrei Victor Sandu, Chapter title: Development of New Advanced Ti-Mo Alloys for Medical Applications, IntechOpen Books, 2020 DOI: http://dx.doi.org/10.5772/intechopen.91906, 19 pag. **40x(19/100)/4 =2,53p** 1.2.6. V. Geanta, I. Voiculescu, **P. Vizureanu**, A.V. Sandu, Chapter title: High Entropy Alloys for Medical Applications, High Entropy Alloys, IntechOpen Books, 2019, (DOI: 10.5772/intechopen.89318), 17 pag. **40x(17/100)/4 =1,7p** 1.2.7. Vizureanu P., Burduhos Nergis D.D., Sandu A.V., Burduhos Nergis D.P., Baltatu M.S., The Physical and Mechanical Characteristics of Geopolymers Using Mine Tailings as Precursors, IntechOpen, 2021, DOI: 10.5772/intechopen.97807 **40x(21/100)/5=1,68p** 1.2.8. Vizureanu P., Bălţatu M.S., Sandu A.V., Achitei D.C., Burduhos Nergis D.D., Perju M.C., New Trends in Bioactive Glasses for Bone Tissue: A review, Current Concepts in Dental Implantology - From Science to Clinical Research, IntechOpen, 2021, DOI: http://dx.doi.org/10.5772/intechopen.100567 23 pag. **40x(23/100)/6 =1,53p** 1.2.9. Vizureanu P., Burduhos-Nergis D.D., Green Materials Obtained by Geopolymerization for a Sustainable Future, editura Materials Research Forum LLC, vol. 90 (2021) ISBN 978-1-64490-112-0, 212 pag. **40 x(212/100)/2= 42,4p**	**89,04**
	1.1. Elaborare suporturi de cursuri, seminarii, laboratoare, proiecte	
	1.2. Elaborare manuale şi alte materiale pentru învăţământul preuniversitar	
	1.3. Modernizare tehnologie didactică din alte surse decât din cele publice (donaţii, sponsorizări etc.)	
Total punctaj Criteriu 1		**149,04**
2. Cercetarea ştiinţifică (minimum: • 150 puncte	**2.1.** Elaborare cărţi/ monografii/ tratate **Realizări:** 2.1.1. Baltatu M.S., **Vizureanu P.**, Materiale Biocompatibile, editura PIM, ISBN : 978-606-13-5168-8, 2019, 146 pagini . **20 x (146/100) / 2 = 14,6 p** 2.1.2. **Vizureanu, P.** – editor, Thermodynamics and Energy Engineering, Intech Open, 2020, ISBN 978-1-83880-569-2, DOI: 10.5772/intechopen.79004, 257 pag.. **50x(257/100)=128,5**	**180,35**

prof.; • 100 puncte conf.; • 60 puncte ș.l.; • 30 puncte asist.)	2.1.3. **Vizureanu, P.** – editor, Botelho C.M.D.C.F.- co-editor, Biomaterials, Intech Open, 2020, ISBN: 978-1-78984-465-8, DOI: 10.5772/intechopen.87369, 149 pag. , **50x(149/100)/2=37,25** 2.2. Articole publicate în reviste de specialitate a. reviste cotate ISI Realizări: 2.2.1. M.C. Spataru, F.D. Cojocaru, A.V. Sandu, C. Solcan, I.A. Duceac, M.S. Baltatu, I. Voiculescu, V. Geanta, **P. Vizureanu**, Assessment of the Effects of Si Addition to a New TiMoZrTa System, MATERIALS, 14 (24), 2021, Article Number 7610, DOI10.3390/ma14247610. **FI: 3.623 (30 + 40 x 3.623)/9= 19.44** 2.2.2 I. Luhar, S. Luhar, M.M.A. Abdullah, R.A. Razak, **P. Vizureanu**, A.V. Sandu, P.D. Matasaru, A State-of-the-Art Review on Innovative Geopolymer Composites Designed for Water and Wastewater Treatment, MATERIALS, 14 (23), 2021, Article Number 7456, DOI10.3390/ma14237456. **FI: 3.623 (30 + 40 x 3.623)/7=24.99** 2.2.3. V.V. Savinkin, Z.Z. Zhumekenova, A.V. Sandu, **P. Vizureanu**, S.V. Savinkin, S.N. Kolisnichenko, O.V. Ivanova, Study of Wear and Redistribution Dynamic Forces of Wheel Pairs Restored by a Wear-Resistant Coating 15Cr17Ni12V3F, COATINGS, 11(12), 2021, Article Number 1441, DOI 10.3390/coatings1112144 FI: 2.881 **(30 + 40 x 2.881)/7=20.75** 2.2.4. M.S. Baltatu, A.V. Sandu, M. Nabialek, **P. Vizureanu**, G. Ciobanu, Biomimetic Deposition of Hydroxyapatite Layer on Titanium Alloys, MICROMACHINES, 12, (12), Article Number 1447, DOI 10.3390/mi12121447 IF: 2.891 **(30 + 40 x 2.891)/5=29.13** 2.2.5. Z. Yahya, M.M.A. Abdullah, L.Y. Li, D.D.B., Nergis, M.A.A. Hakimi, A.V. Sandu, **P. Vizureanu**, R.A. Razak, Behavior of Alkali-Activated Fly Ash through Underwater Placement, MATERIALS, 14 (22), 2021, Article Number 6865, DOI10.3390/ma14226865. **FI: 3.623 (30 + 40 x 3.623)/8=21.86** 2.2.6. M.S. Baltatu, M.C. Spataru, L. Verestiuc, V. Balan, C. Solcan, A.V. Sandu, V. Geanta, I. Voiculescu, **P. Vizureanu**, Design, Synthesis, and Preliminary Evaluation for Ti-Mo-Zr-Ta-Si Alloys for Potential Implant Applications, MATERIALS, 14 (22), 2021, Article Number 6806, DOI 10.3390/ma14226806. **FI: 3.623 (30 + 40 x 3.623)/9= 19.44** 2.2.7. M.S. Baltatu, **P. Vizureanu**, A.V. Sandu, N. Florido-Suarez, M.V. Saceleanu, J.C. Mirza-Rosca, New Titanium Alloys, Promising Materials For Medical Devices, MATERIALS, 14 (20), 2021, Article Number 5934, DOI10.3390/Ma14205934 **FI: 3.623 (30 + 40 x 3.623)/6= 29.15** 2.2.8. M.I.I. Ramli, M.A.A.M. Salleh, A.V. Sandu, S.F.M. Amli, R.M. Said, N. Saud, M.M.A. Abdullah, **P. Vizureanu**, A. Rylski, J. Chaiprapa, M. Nabialek. Influence of 1.5 wt.% Bi on the Microstructure, Hardness, and Shear Strength of Sn-0.7Cu Solder Joints after Isothermal Annealing, MATERIALS, 14 (18), 2021, Article Number 5134, DOI 10.3390/ma14185134. **FI: 3.623 (30 + 40 x 3.623)/11= 15.90** 2.2.9. V.V. Savinkin, S.N. Kolisnichenko, A.V. Sandu, O.V. Ivanova, **P. Vizureanu**, Z.Z. Zhumekenova, Investigation of the Strength Parameters of Drilling Pumps during the Formation of Contact Stresses in Gears, APPLIED SCIENCES-BASEL, 11(15), 2021, Article Number 7076, DOI 10.3390/app11157076 **IF: 2.679 (30 + 40 x 2.679)/6=22.86** 2.2.10. M.Z.M. Mokhtar, M.A.A.M. Salleh, A.V. Sandu, M.M. Ramli, J. Chaiprapa, **P. Vizureanu**, M.I.I. Ramli, Effect of Electromigration and Thermal Ageing on the Tin Whiskers' Formation in Thin Sn-0.7Cu-0.05Ga Lead (Pb)-Free Solder Joints, COATINGS, 11(8), 2021, Article Number 935, DOI 10.3390/coatings11080935 **IF: 2.881 (30 + 40 x 2.881)/7=20.75** 2.2.11. R. Othman, R.P. Jaya, K. Muthusamy, M. Sulaiman, Y. Duraisamy, M.M.A. Abdullah, A. Przybyl, W. Sochacki, T. Skrzypczak, P. Vizureanu, A.V. Sandu, Relation between Density and Compressive Strength of Foamed Concrete, MATERIALS, 14(11), 2021, Article Number 2967, DOI 10.3390/ma14112967 FI: 3.623 **(30 + 40 x 3.623)/11= 15.90** 2.2.12. Hegyi, A; Bulacu, C; Szilagyi, H; Lazarescu, AV; Meita, V; **Vizureanu, P**; Sandu, M. Improving Indoor Air Quality by Using Sheep Wool Thermal Insulation, MATERIALS 2021 14(9) 2443, DOI10.3390/ma14092443 FI: 3.623 **(30 + 40 x 3.623)/7=24.99** 2.2.13. Cimpoesu, R; **Vizureanu, P;** Stirbu, I; Sodor, A; Zegan, G; Prelipceanu, M; Cimpoesu, N; Ioanid, N. Corrosion-Resistance Analysis of HA Layer Deposited through Electrophoresis on Ti4Al4Zr Metallic Substrate. APPLIED SCIENCES-BASEL 2021, 11(9) 4198, DOI10.3390/app11094198 **FI: 2.679 IF: 2.679 (30 + 40 x 2.679)/8=17.145** 2.2.14. R. Rahman, S.Z.F.S. Putra, S.Z.A. Rahim, I. Nainggolan, B. Jez, M. Nabialek, L. Musa, A.V. Sandu, P. Vizureanu, M.M.A.B. Abdullah, D. Kwiatkowski, I. Wnuk, The Infuence of MMA Esterifcation on Interfacial Adhesion and Mechanical Properties of Hybrid Kenaf Bast/Glass Fiber Reinforced Unsaturated Polyester Composites, MATERIALS, 14, 2021, art. no. 2276 https://doi.org/10.3390/ma14092276. **IF: 3.623 (30 + 40 x 3.623)/12=14.58** 2.2.15. Garus, S; **Vizureanu, P**; Abdullah, MMAB; Omarc, MF; Walters, S; Hasani, S; Seifoddini, A; Rezaei-Shahreza, P. Change of Magnetic Saturation Polarisation as a Function of Temperature in Bulk Fe-Based Amorphous Alloys, ACTA PHYSICA POLONICA A, 2021, 139(5), 510-512, DOI10.12693/APhysPolA.139.510 **FI: 0.577 (30 + 40 x 0.577)/8=6.635** 2.2.16. Shahedan, NF; Abdullah, MMA; Mahmed, N; Kusbiantoro, A; Tammas-Williams, S; Li, LY; Aziz, IH; **Vizureanu, P**; Wyslocki, JJ; Bloch, K; Nabialek, M. Properties of a New Insulation Material Glass Bubble in Geopolymer Concrete, MATERIALS, 2021, 14(4) 809. DOI10.3390/ma14040809 FI: 3.623 **(30 + 40 x 3.623)/11= 15.90** 2.2.17. N.S.M. Zaimi, M.A.A.M. Salleh, A.V. Sandu, M.M.A. Abdullah, N. Saud, S.Z. Abd Rahim, **P. Vizureanu**, R.M. Said, M.I.I. Ramli, Performance of Sn-3.0Ag-0.5Cu Composite Solder with Kaolin Geopolymer Ceramic Reinforcement on Microstructure and Mechanical Properties under Isothermal Ageing, MATERIALS, 14, 4, 2021, Article Number: 776, DOI: 10.3390/ma14040776 (Corresponding author) FI: 3.623 **(30 + 40 x 3.623)/9= 19.44** 2.2.18. V.N. Kyznetsova, V.V. Savinkin, T.Y. Ratushnaya, A.V. Sandu, **P. Vizureanu**, Study of the Spatial Distribution of Forces and Stresses on Wear Surfaces at Optimization of the Excavating Part of an Earthmoving Machine Transverse Profile, COATINGS, 11, 2, 2021, Article Number: 182, DOI: 10.3390/coatings11020182 IF:2.881 **(30 + 40 x 2.881)/5=29.05** 2.2.19. M.C. Spataru, M. Butnaru, A.V. Sandu, V. Vulpe, M.D. Vlad, M.S. Baltatu, V. Geanta,	**1001,00**

I. Voiculescu, **P. Vizureanu**, C. Solcan, In-depth assessment of new Ti-based biocompatible materials, MATERIALS CHEMISTRY AND PHYSICS, 258, 2021, Article number 123959. 10.1016/j.matchemphys.2020.123959 IF:4.094 **(30 + 40 x 4.094)/10=21.52**

2.2.20. L. Verestiuc, M.C. Spataru, M.S. Baltatu, M. Butnaru, C. Solcan, A.V. Sandu, I. Voiculescu, V. Geanta, P. Vizureanu, New Ti-Mo-Si materials for bone prosthesis applications, JOURNAL OF THE MECHANICAL BEHAVIOR OF BIOMEDICAL MATERIALS, 113, 2021, 104198. 10.1016/j.jmbbm.2020.104198 IF:3.902 **(30 + 40 x 3.902)/9=20.68**

2.2.21. Baltatu, M.S., **Vizureanu, P.**, Sandu, A.V., Munteanu, C., Istrate, B., Microstructural Analysis and Tribological Behavior of Ti-Based Alloys with a Ceramic Layer Using the Thermal Spray Method, COATINGS, Volume: 10, Issue: 12, Article Number: 1216, Published: 2020, IF:2.881 **(30 + 40 x 2.881)/5=29.05**

2.2.22. Paleu, C.C., Munteanu, C., Istrate, B., Bhaumik, S., **Vizureanu, P.**, Baltatu, M.S., Paleu, V., Microstructural Analysis and Tribological Behavior of AMDRY 1371 (Mo-NiCrFeBSiC) Atmospheric Plasma Spray Deposited Thin Coatings, COATINGS, Volume: 10, Issue: 12, Article Number: 1186, Published: 2020, **IF: 2.881 (30 + 40 x 2.881)/7=20.75**

2.2.23. Titu, A.M., **Vizureanu, P.**, Titu, S., Sandu, A.V., Pop, A.B., Bucur, V., Ceocea, C., Boroiu, A., Experimental Research on the Cutting of Metal Materials by Electrical Discharge Machining with Contact Breaking with Metal Band as Transfer Object, MATERIALS, Volume: 13, Issue: 22, Article Number: 5257, Published: 2020, **FI: 3.623 (30 + 40 x 3.623)/8=21.86**

2.2.24. Savin, A., Craus, M.L., Bruma, A., Novy, F., 11Malo, S., Chlada, M., Steigmann, R., **Vizureanu, P.**, Harnois, C., Turchenko, V., Prevorovsky, Z., Microstructural Analysis and Mechanical Properties of TiMo20Zr7Ta15Six Alloys as Biomaterials, MATERIALS, Volume: 13, Issue: 21, Article Number: 4808, Published: 2020, FI: 3.623 **(30 + 40 x 3.623)/11= 15.90**

2.2.25. Nabialek, M., Walters, S., **Vizureanu, P.**, Abdullah, M.M.A.B., Jez, B., Influence of Co and Zr Content on Creation of Crystalline Phases in Rapidly-Cooled, Injection-Cast Alloys Fe70Zr8-xCoxNb2B20 (where x=0, 2, 4, 6 or 8), ACTA PHYSICA POLONICA A, Volume: 138, Issue: 2, Pages: 152-155, Published: 2020, F.I.:**0.577 (30 + 40 x 0.577)/5=10.616**

2.2.26. Talar, M., Gondro, J., **Vizureanu, P.**, Abdullah, M.M.A.B., Bloch, K., The Influence of Heat Treatment on the Magnetic Properties of the Alloy Fe62Co10Y8B20 Produced by the Injection Suction Casting Method, ACTA PHYSICA POLONICA A, Volume: 138, Issue: 2, Pages: 185-188, Published: 2020, F.I.:**0.577 (30 + 40 x 0.577)/5=10.616**

2.2.27. Perju, M.C., Sandu, A.V., **Vizureanu, P.**, Nejneru, C., Tugui, C.A., Burduhos-Nergis, D.D., Microstructural Analysis of Ti/W/WC Deposition by ESD Method, ACTA PHYSICA POLONICA A, Volume: 138, Issue: 2, Pages: 214-217, Published: 2020, F.I.:**0.577 (30 + 40 x 0.577)/6=8,85**

2.2.28. **Vizureanu, P.**, Yamaguchi, S., Le, P.T.M., Baltatu, M.S., Biocompatibility Evaluation of New TiMoSi Alloys, ACTA PHYSICA POLONICA A, Volume: 138, Issue: 2, Pages: 283-286, Published: 2020, F.I.:0,577 **(30 + 40 x 0,577)/4= 13,27**

2.2.29 Burduhos-Nergis, D.P., **Vizureanu, P.**, Sandu, A.V., Bejinariu, C., Phosphate Surface Treatment for Improving the Corrosion Resistance of the C45 Carbon Steel Used in Carabiners Manufacturing, MATERIALS, Volume: 13, Issue: 15, Article Number: 3410, Published: 2020, FI: 3.623 **(30 + 40 x 3.623)/4= 42,73**

2.2.30. Predescu, A.M., Vidu, R., **Vizureanu, P.**, Predescu, A., Matei, E; Predescu, C., Properties of Cu-xFe(3)O(4)Nanocomposites for Electrical Application, MATERIALS, Volume: 13 Issue: 14 Article Number: 3086, 2020, **FI: 3.623 (30 + 40 x 3.623)/6= 29.15**

2.2.31. Istrate, B., Munteanu, C., Lupescu, S., Chelariu, R., Vlad, M.D., **Vizureanu, P.**, Electrochemical Analysis and In Vitro Assay of Mg-0.5Ca-xY Biodegradable Alloys, MATERIALS, Volume: 13, Issue: 14, Article Number: 3082, Published: 2020, **FI: 3.623 (30 + 40 x 3.623)/6= 29.15**

2.2.32. Nergis, D.D.B., **Vizureanu, P.**, Ardelean, I., Sandu, A.V., Corbu, O.C., Matei, E., Revealing the Influence of Microparticles on Geopolymers' Synthesis and Porosity, MATERIALS, Volume: 13, Issue: 14, Article Number: 3211, Published: 2020, **FI: 3.623 (30 + 40 x 3.623)/6= 29.15**

2.2.33. Azimi, E.A., Abdullah, M.M.A., **Vizureanu, P.**, Salleh, M.A.A.M., Sandu, A.V., Chaiprapa, J., Yoriya, S., Hussin, K., Aziz, I.H., Strength Development and Elemental Distribution of Dolomite/Fly Ash Geopolymer Composite under Elevated Temperature, MATERIALS, Volume: 13, Issue: 4, Article Number: 1015, Published: 2020, FI: 3.623 **(30 + 40 x 3.623)/9= 19.44**

2.2.34. **Vizureanu, P.**, Nabialek, M., Sandu, A.V., Jez, B., Investigation into the Effect of Thermal Treatment on the Obtaining of Magnetic Phases: Fe5Y, Fe23B6, Y2Fe14B and alpha Fe within the Amorphous Matrix of Rapidly-Quenched Fe61+xCo10-xW1Y8B20 Alloys (Where x=0, 1 or 2), MATERIALS, Volume: 13, Issue: 4, Article Number: 835, Published: 2020, FI: 3.623 **(30 + 40 x 3.623)/4= 42,73**

2.2.35. Burduhos-Nergis, D.P., **Vizureanu, P.**, Sandu, A.V., Bejinariu, C., Evaluation of the Corrosion Resistance of Phosphate Coatings Deposited on the Surface of the Carbon Steel Used for Carabiners Manufacturing, APPLIED SCIENCES-BASEL, Volume: 10, Issue: 8, Article Number: 2753, Published: 2020, **IF: 2.679 (30 + 40 x 2.679)/4=34,29**

2.2.36. Nergis, D.D.B., Abdullah, M.M.A., Sandu, A.V., **Vizureanu, P.**, XRD and TG-DTA Study of New Alkali Activated Materials Based on Fly Ash with Sand and Glass Powder, MATERIALS, Volume: 13, Issue: 2, Article Number: 343, Published: 2020, FI: 3.623 **(30 + 40 x 3.623)/4= 42,73**

2.2.37. Savinkin, V.V., **Vizureanu, P.**, Sandu, A.V., Ratushnaya, T.Y., Ivanischev, A.A., Surleva, A., Improvement of the Turbine Blade Surface Phase Structure Recovered by Plasma Spraying, COATINGS, Volume: 10, Issue: 1, Article Number: 62, Published: 2020, **IF: 2.881 (30 + 40 x 2.881)/6=24.21**

2.2.38. Ming, LY, Sandu, AV, Yong, HC, Tajunnisa, Y, Azzahran, SF, Bayuji, R., Abdullah, MMA, **Vizureanu, P.**, Hussin, K., Jin, TS., Loong, FK, Compressive Strength and Thermal Conductivity of Fly Ash Geopolymer Concrete Incorporated with Lightweight Aggregate, Expanded Clay Aggregate and Foaming Agent, REVISTA DE CHIMIE, **Volume:** 70, **Issue:** 11, 2019, **Pages:** 4021-4028 **(30+40x1,755)/11=9,11**

2.2.39. Sandu, AV, Baltatu, MS, Nabialek, M., Savin, A., **Vizureanu, P.**, Characterization and Mechanical Proprieties of New TiMo Alloys Used for Medical Applications, Materials, Volume: 12 Issue: 18, 2019 , Article Number: 2973 **FI: 3.623 (30 + 40 x 3.623)/5= 34,98**

	2.2.40. Focsaneanu, SC . **Vizureanu, P.**, Sandu, AV., Ciobanu, G., Baltatu, SM., Vlad, D., Experimental Study on the Influence of Zirconia Surface Preparation on Deposition of Hydroxyapatite, REVISTA DE CHIMIE, Volume: 70 Issue: 6, 2019, Pages: 2273-2275., **(30+40x1,755)/6=16,7** 2.2.41. Burduhos Nergis, DD., **Vizureanu, P.**, Corbu, O., Synthesis and Characteristics of Local Fly Ash Based Geopolymers Mixed with Natural Aggregates, REVISTA DE CHIMIE, Volume: 70 Issue: 4, 2019, Pages: 1262-1267 **(30+40x1, 755)/3=33,4** 2.2.42. Baltatu, MS, Tugui, CA, Perju, MC., Benchea, M., Spataru, MC., Sandu, AV., **Vizureanu, P.**, Biocompatible Titanium Alloys used in Medical Applications, REVISTA DE CHIMIE, Volume: 70 Issue: 4, 2019, Pages: 1302-1306. **(30+40x1, 755)/7=14,31** 2.2.43. Minciuna, MG., Achitei, DC., **Vizureanu, P.**, Sandu, AV., Nabialek, M., Electrochemical Evaluation of AISI 420 Steel after Several Heat Treatments, ACTA PHYSICA POLONICA A, Volume: 135 Issue: 2, 2019, Pages: 115-118 , F.I.:**0.577 (30 + 40 x 0.577)/5=10.616** 2.2.44. Sliwa, Agata, Sroka, Marek, Zukowska, Ludwina, Bloch, Katarzyna, Vizureanu, Petrica, Sandu, Andrei Victor, Numerical Analysis of Strength Properties of Anatomical General Surgical Tweezers, REVISTA DE CHIMIE, Volume: 69, Issue: 1, Pages: 187-190, Published:JAN 2018, **(30+40x1, 755)/5=20,04** 2.2.45. Gruszka, K , Nabialek, M, Szota, M, **Vizureanu, P.**, Abdullah, MMA, Bloch, K., Sandu, AV , The Study of Magnetization in Strong Magnetic Fields for Fe62-xCO10NbxY8B20 (X=0, 1, 2) Alloys, REVISTA DE CHIMIE Volume: 68 Issue: 2 Pages: 265-268 Published: FEB 2017 **(30+40x1, 755)/7=14,31** 2.2.46. Kasa, SN, Omar, MF, Abdullah, MMA , Ismail, IN, Ting, SS , Vac, SC , **Vizureanu, P**, Effect of Unmodified and Modified Nanocrystalline Cellulose Reinforced Polylactic Acid (PLA) Polymer Prepared by Solvent Casting Method Morphology, mechanical and thermal properties, MATERIALE PLASTICE Volume: 54 Issue: 1 Pages: 91-97 Published: MAR 2017 **(30+40x1.517)/7=12,95** b. reviste BDI Realizări:	
	2.3. Conferinţe invitate/ lucrări de sinteză prezentate la manifestări organizate sub egide ştiinţifice recunoscute, lucrări comunicate **a. conferinţe invitate** **Realizări:** **b. lucrări comunicate** **C. sub forma de poster** 2.3.1. Romeo Gabriel CHELARIU, Nicanor CIMPOESU, Teodora Irina BIRNOVEANU, Ramona CIMPOESU, **Petrica VIZUREANU**, Costica BEJINARIU. Obtaining and Analyze of a New Aluminium Bronze Material Using Induction Furnace, ICIR EUROINVENT, prezentare tip poster, Mai 2021. 10/6=**1,67 p** 2.3.2. Mirabela Georgiana MINCIUNA, **Petrica VIZUREANU,** Andrei Victor SANDU, Dragos Cristian ACHITEI, Correlation between Microstructure and Electrochemical Properties of Al-Si Alloys ICIR EUROINVENT, prezentare tip poster, Mai 2021. **10/4=2.5p** 2.3.3. Radu Armand HARAGA, Costica BEJINARIU, Daniela Lucia CHICET, **Petrica VIZUREANU**, Stefan Lucian TOMA, Improving the Tungsten Carbide Embedment in the Metal Matrix for the Arc Thermal Spraying of Steels, ICIR EUROINVENT, prezentare tip poster, Mai 2021. **10/5=2p** 2.3.4. Manuela Cristina PERJU, Carmen NEJNERU, **Petrică VIZUREANU**, Andra Adorata AELENEI, Andrei Victor SANDU, Some Aspects Concerning Titanium Coverage with Hydroxyapatite, ICIR EUROINVENT, prezentare tip poster, Mai 2021.**10/5=2p** 2.3.5. Andreea HEGYI, Cezar BULACU, Henriette SZILAGYI, Adrian-Victor LĂZĂRESCU, Vasile MEIŢĂ, **Petrică VIZUREANU**, Mihaela SANDU, Improving Indoor Air Quality by Using Sheep Wool Heat Insulation ICIR EUROINVENT, prezentare tip poster, Mai 2021. **10/7=1.43p** 2.3.6. Diana-Petronela BURDUHOS-NERGIS, Costica BEJINARIU, Alin Marian CAZAC, Andrei Victor SANDU and **Petrica VIZUREANU**, XRD and STA Characterization of Phosphate Layers Deposited on the Carbon Steel Surface, ICIR EUROINVENT, prezentare tip poster, Mai 2021. **10/5=2p** 2.3.7. Claudiu Vasile CIUBOTARU, Andrei Victor SANDU, Alexandru BREZOVAN, **Petrica VIZUREANU**, Preliminary Analysis of an Ancient Short Sword, ICIR EUROINVENT, prezentare tip poster, Mai 2021. **10/4=2.5p** 2.3.8. Dumitru Doru BURDUHOS NERGIS, **Petrica VIZUREANU**, Dragos Cristian ACHIŢEI, Manuela Cristina PERJU, Andrei Victor SANDU, Effect of P/Al ratio on the microstructure of phosphate based-geopolymers, ICIR EUROINVENT, prezentare tip poster, Mai 2021. **10/5=2p**	**16,10**
	2.4. Lucrări publicate în volumele conferinţelor **a. volume indexate ISI (12,87)** **Realizări:** 2.4.1. V.V. Savinkin, A.V. Sandu, T.Y. Ratushnaya, P. Vizureanu, S.V. Kolisnichenko, M.S. Omarov, Study Of Redistribution Of The Oil Complex Power Drive Ffectiveness For Marginal Wells When Installing Construction Of Recuperative Action Electro Hydro Cylinder, BULLETIN OF THE TOMSK POLYTECHNIC UNIVERSITY-GEO ASSETS ENGINEERING, 332, 2, 2021, pp. 229-244, DOI 10.18799/24131830/2021/02/3058 **50/6=8.33** 2.4.1. Savin, A., Craus, M.L., Bruma, A., Novy, F., Minarik, P., Jabor, M., Malo, S., Steigmann, R., **Vizureanu, P.**, Harnois, C., Turchenko, V., Material properties mapping using complementary methods in titanium alloys TiMoSi used in medical application, LOW-DIMENSIONAL MATERIALS AND DEVICES 2020, Proceedings of SPIE, Volume: 11465, Article Number: 114650Z, Published: 2020. **50/11=4,54** **b. volume indexate BDI (35)** 2.4.1. Bălţatu M. S., **Vizureanu P.**, Bălţatu I., Burduhos Nergis D.D., Achitei D.C., Perju M.C.,	**47,87**

	Electrochemical Behaviour of Ti-Mo Alloys for Medical Application in Biological Solution, IOP Conf. Series: Materials Science and Engineering 877 (2020) 012031, IOP Publishing, doi:10.1088/1757-899X/877/1/012031 European Journal Of Materials Science And Engineering. **30/6=5,00** 2.4.2. Tugui, C.A., **Vizureanu, P.**, Danila, N.A., Perju, M.C., Burduhos-Nergis, D.P., Ecological process for depositing thin layers with high tribology resistance for reconditioning the hydraulic turbines, IOP Conference Series: Materials Science and Engineering, 2020, 997(1), 012032. **30/5=6,0** 2.4.3. Axinte, M., **Vizureanu, P.**, Nejneru, C., Sandu, A.V., Perju, M.C., Surface quality improvements using active screen in plasma nitriding technology, AIP Conference Proceedings, 2020, 2291, 0023854. **30/5=6,0** 2.4.4. Burduhos Nergis, D.D., **Vizureanu, P.**, Opa, D., Minciuna, M.G., Abdullah, M.M.A.B., Influence of Microparticles on Setting Time and Micromorphology of Coal Ash Geopolymers, IOP Conference Series: Materials Science and Engineering, 2020, 877(1), 012044. **30/5=6,0** 2.4.5. Perju, M.C., Nejneru, C., **Vizureanu, P.**, Burduhos Nergis, D.D., Sandu, A.V., Microstructural Analysis of Multiple Layer Depositions on Cast Iron Using the Electrospark Deposition Method, IOP Conference Series: Materials Science and Engineering, 2020, 877(1), 012019. **30/5=6,0** 2.4.6. Ahmad, R., Abdullah, M.M.A.B., Ibrahim, W.M.W., **Vizureanu, P.**, Tengah, M.S., Comparison Study on Microstructure Properties of Kaolin Based Geopolymer Ceramics with Addition of UHMWPE under Different Sintering Condition, IOP Conference Series: Materials Science and Engineering, 2020, 877(1), 012015. **30/5=6,0** **2.4.c. volume neindexate BDI**	
	2.5. Brevete acordate, produse omologate **Realizări:** 2.5.1. VIZUREANU P, Solar furnace for processing materials, has rotary working enclosure provided with metal envelope in which cut with opening is set , where solar radiation collected by solar energy supply system is projected to interior of enclosure, Patent Number(s): RO126961-A2 (60,00) 2.5.2. VIZUREANU P, PREDESCU A, Expert system for the control of thermal systems, consists of a software component loaded in a computer and a hardware component consisting of a parallel programmable interface. Patent Number(s): RO126973-A2 (30,00) 2.5.3. SANDU A V, BEJINARIU C, SANDU I G, VIZUREANU P, SANDU I, BACIU C, VASILACHE V, PROCESS FOR CORROSION-PROTECTION OF IRON PIECES BY PHOSPHATING IN AQUEOUS SYSTEM, Patent Number(s): RO128933-A2 (8,57) 2.5.4. VIZUREANU P, STEFANICA R G, ACHITEI D C, NEJNERU C, PERJU M C, Thermal treatment installation for cyclic ageing of aluminium alloys, Patent Number(s): RO128420-A2 (12,00) 2.5.5. VIZUREANU P, ACHITEI D C, NEJNERU C, PERJU M C, STEFANICA R G, INSTALLATION FOR THERMO-MECHANICAL FATIGUE TESTING OF ALLOYS WITH SHAPE MEMORY, Patent Number(s): RO128422-A2 (12,00) 2.5.6. RAILEANU T, HOPULELE I, FLORESCU A, COMANECI R, BEJINARIU C, SUSAN M, VIZUREANU P, BADARAU G, GRANCEA V, Mould mix moisture content continuous automatic metering technique, Patent Number(s): RO116362-B1 (6,66)	**129,23**
	2.6. Proiecte/ Contracte/ Granturi de cercetare-dezvoltare câştigate prin competiţie 2.6.1. Director de Proiect Component 2, Contract PN-III-P1-1.2-PCCDI-2017-0239 – 2018-2021:"Aliaje biocompatibile pe bază de titan pentru protetica medicala din sisteme complexe microaliate – BioTIT" din cadrul Proiectului Complex"MedicalMetMat - OBȚINEREA ȘI EXPERTIZAREA UNOR NOI MATERIALE BIOCOMPATIBILE PENTRU APLICAȚII MEDICALE" Suma partener/proiect: 320.000 lei (18610 lei/2021) (Total proiect: 5.273.400 lei) 15x18610/10000 / = **27,91** 2.6.2. Membru in Proiect Component 4, Contract PN-III-P1-1.2-PCCDI-2017-0239 – 2018-2021, HEAMED, Aliaje biocompatibile cu entropie ridicată cu aplicații medicale Suma partener/proiect: 217.000 lei (12420 lei/2021) (Total proiect: 5.273.400 lei) 15 x 12420/10000/7 = **2.66** 2.6.3. Membru: Grant Intern GI/P20/2021, Proiect pentru susținerea capacității de publicare – PUBLICAȚII, competiție organizată în cadrul TUIASI; Director de proiect: Sandu Andrei Victor 15 x 45000/10000/6= **11,25** 2.6.4. Director: Grant Intern GI/P6/2021, Proiect pentru susținerea capacității de publicare – PUBLICAȚII, competiție organizată în cadrul TUIASI; Director de proiect: Vizureanu Petrica; 15 x 45000/10000 = **67.5** 2.6.5. Membru: Grant Intern GI/P38/2021, Proiect pentru susținerea capacității de publicare – PUBLICAȚII, competiție organizată în cadrul TUIASI; Director de proiect: Baltatu Madalina Simona; 15 x 45000/10000/4= **16.**88	**126,20**
	2.7. Proiecte/ Contracte/ Granturi de cercetare-dezvoltare încheiate cu institute de cercetare, companii, regii, societăţi comerciale	
	2.8. Creaţii de arhitectură, urbanism, restaurări, design şi arte plastice efectuate prin Universitate	

	2.9. Citări în reviste cotate ISI sau indexate în baze de date internaţionale (BDI)	**3255,00**
	Realizări (2012-2021): 751 citari ISI - 184 autocitari = 567 citari x 5 = 2835 p	**2835,00**



Citari BDI (2012-2021) : Diferenta = Scopus – WoS = 707 - 567 = 140 x3p = 420 p | **420,00**



Citations	<2012	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Total
Total	75	14	27	22	33	35	87	120	109	97	163	707

2.10. Finalizare teză de doctorat

2.11. Elaborare standarde

Total punctaj Criteriu 2		**4755,75**
3. Recunoaşterea naţională şi internaţională (minimum: • 15 puncte prof.; • 10 puncte conf.; • 5 puncte ș. l.)	**3.1**. Profesor invitat pentru prelegeri la univ. de prestigiu **Realizări:** 3.1.3.	
	3.2. Membru în academii (Academia Română, Academia de Ştiinţe Tehnice, Academia de Ştiinţe Agricole şi Silvice, Academia Oamenilor de Ştiinţă etc.)	
	3.3. Doctor Honoris Causa	
	3.4. Membru în societăţi ştiinţifice şi profesionale (AGIR, asociaţiile absolvenţilor etc.) **Realizări:** 3.4.1. ASM International, U.S.A., de la 13.12.2007, legitimaţia nr. 542373 - 10 3.4.2. AGIR, membru, legitimaţia nr. 58516. - 5 3.4.3. Materials Research Society, U.S.A. de la 01.01.2007 - 10 3.4.4. Societatea de Ştiinţe Matematice din România, legitimaţia nr. 227 - 5 3.4.5. Asociaţia Turnătorilor din România – 5	**50**

	3.4.6. Forumul Inventatorilor Romani - 5 3.4.7. Membru al Societaţii Române de Biomateriale din 2013 -(5.00) 3.4.2 Membru al Asociaţiei Profesionale ModTech Romania - (5.00)	
	3.5. Membru în comisii de doctorat **Realizări:** 3.5.1. Membru in comisia pentru colocviu de admitere – septembrie 2021 – 14 candidaţi – **14p** **3.5.2. Membru in comisii de doctorat Caloian si Navodariu – 10 p**	**24**
	3.6. Membru în colective de redacţie ale revistelor **Realizări:** 3.6.1. member of the Editorial board of the *International Journal on Heat and Mass Transfer - Theory and Applications (IREHEAT* http://www.praiseworthyprize.com/ireheat_editorial_board.htm*)* - 10. 3.6.2. Revista ATTIS – 10 3.6.3. International Journal of Conservation Science – 10 3.6.4. International Journal of Mining Science – 10 3.6.5. American Journal of Bioengineering and Biotechnology – 10 3.6.6. European Journal of Materials Science and Engineering -10 3.6.7. Coatings - 20	**80**
	3.7. Membru în comitete ştiinţifice naţionale/ internaţionale/ de program (la congrese, conferinţe etc.) **Realizări:** 3.7.1. MODTECh 2021 - 10 3.7.2. Romat - 10 3.7.3. Euroinvent 2021 - 10 3.7.4. ICIR 2021 – 10 3.7.5. APMME 2021 – 10 3.7.6. ICCECIP 2021 – 10	**60**
	3.8. Membru în echipe de expertizare / evaluare a cercetării ştiinţifice (proiecte CNCS, PNCDI II, FP7, Phare; centre de cercetare etc.) 3.8.1. Estonia – 10p 3.8.2. European Comission – 2x10p = 20p 3.8.3. PTE – 7x5p = 35p	**65**
	3.9. Membru în echipe de expertizare (evaluare) a procesului educaţional (ARACIS, EUA etc.) **Realizări:** **3.9.1. Evaluare scoala doctorala Pitesti si Targoviste – 10 p**	**10**
	3.10. Membru în consilii naţionale de specialitate 3.10. 1. Membru Comisia de Ingineria Materialelor – CNATDCU – 15	**15**
	3.11. Organizator de manifestări ştiinţifice naţionale / internaţionale / sesiuni invitate **Realizări:** 3.11.1. EUROINVENT 2021 – (10) 3.11.2. Chairman ICIR EUORINVENT 2021 – 15	**25**
	3.12. Referent ştiinţific / expert naţional şi internaţional (pentru reviste, congrese etc.) **Realizări:** 3.12.1. IIIS.ORG (5) – 25 pct 3.12.2. Intech (1) – 5 pct. 3.12.3. Materials and Design (21) – 210 pct. 3.12.4. IJSR (1) – 5 pct 3.12.5. Coatings (6) – 60 pct 3.12.6. COLSUB (1) – 10 pct 3.12.7. JALCOM (1) – 10 pct 3.12.8. Machines (1) – 10 pct. 3.12.9. IRJMSE (1) – 5 pct. 3.12.10 Materials (35) – 350 pct 3.12.11. Materialia (1) – 10 pct. 3.12.12. AMM (13) – 130 pct. 3.12.13. Technium (2) – 20 pct. 3.12.14. Energies (1) – 5 pct. 3.12.15. AJBSR(1) – 5 pct. 3.12.16. Mat Chem Physics (5) – 50 pct. 3.12.17. Mat Letters (5) – 50 pct. 3.12.18. ICAI Bulgaria (4) – 20 pct. 3.12.19. Crystals (3) – 30 pct. 3.12.20. Sci Reports (2) – 20 pct. 3.12.21. Appl Surf Adv (1) – 10 pct. 3.12.22. Nanomaterials (3) – 30 pct. 3.12.23. Polymers (11) – 110 pct 3.12.24.Rev de Chimie (2) – 10 pct 3.12.25. J Build Eng (21) – 210 pct. 3.12.26. Dentistry (2) – 20 pct. 3.12.27. ACE (1) – 10 pct. 3.12.28. JEAS (1) – 10 pct. 3.12.29. Sustainability (2) – 20 pct. 3.12.30. E-polymer (1) – 10 pct. 3.12.31. Micromachines (1) – 10 pct. 3.12.32 Appl. Sci (1) – 10 pct. 3.12.33. Tribology (1) – 10 pct. 3.12.34. JMRST (1) – 10 pct.	**1520**

	3.12.35. Computation (1) – 10 pct.	
	3.13. Membru în comisii de concurs pentru posturi didactice universitare **Realizări:** 3.13.1. Membru în comisia de concurs pentru ocuparea postului de profesor/conferentiar (Sapientia, TUIASI) – 10 pct 3.13.2.. Membru in comisia de inventariere – 5 pct.	**15**
	3.14. Membru în jurii, comisii, concursuri profesionale 3.14.1. Preşedinte al Comisiei de inventariere anuală pentru Departamentul IMSI 3.14.2. Preşedinte al Comisiei de inventariere anuală pentru Departamentul TEPM	**10**
	3.15. Cercetător invitat pentru activităţi de cercetare în universităţi/firme de prestigiu	
	3.16. Cadru didactic invitat în programe ERASMUS (prelegeri)	
	3.17.Cadru didactic care gestioneaza acorduri bilaterale ERASMUS 3.17.1. Acord Universiti Perlis Malaysia 2017-2022 3.17.2. Acord Israel 2017-2022 3.17.3. Acord Taiwan 2017-2022 3.17.4. Acord Univiersiti Terengannu Malaysia 2017-2022 3.17.5. Acord Universite IBN TOFAIL, Benil Mellall, Maroc, 2020-2025 3.17.6. Acord Nagoya University, Japonia, 2019-2024 3.17.7. Acord Brazilia, 2020-2024 3.17.8. Acord Argentina, 2020-2024 3.17.9. Acord Polonia, Szcseczin 2019-2024 3.17.10. Acord Polonia, Kazimir University, 2019-2024 3.17.11. Acord Ungaria, Obuda University, 2019-2024	**55**
	3.18. Premii **Realizări:** **3.18.**1. Medalia de aur: 1 IDEA 1 WORLD (1I1W), International Innovation, Design and Startup Competition 23-28.02.2021, Istanbul, Turkey, Baltatu M.S., Vizureanu P., Sandu A.V., Abdullah M.M.A.B., Salleh M.A.A.M. **20.00** **3.18.**2. Premiu special: 1 IDEA 1 WORLD (1I1W), International Innovation, Design and Startup Competition 23-28.02.2021, Istanbul, Turkey, Baltatu M.S., Vizureanu P., Sandu A.V., Abdullah M.M.A.B., Salleh M.A.A.M. **20.00** **3.18.3** Medalia de aur: 2nd Beirut International Innovation Show – BIIS 2021, 10 Aprilie 2021, Vizureanu P., Baltatu M.S., Sandu A.V., Bernic M., Balan M. **20.00** **3.18.4** Diploma de aur la EUROINVENT BOOK SALON pentru Titanium-Based Alloys for Biomedical Applications, 2021 **20.00** **3.18.5** Medalia de aur: WICO World Invention Creativity Olympic / 08 - 10 Iulie 2021, Vizureanu P., Baltatu M.S., Sandu A.V., Loghin C.M., Burduhos-Nergis Dumitru Doru, Bernic M., Balan M. **20.00** **3.18.6** Premiu Special: WICO World Invention Creativity Olympic / 08 - 10 Iulie 2021, Vizureanu P., Baltatu M.S., Sandu A.V., Loghin C.M., Burduhos-Nergis Dumitru Doru, Bernic M., Balan M. **20.00** **3.18.7** Medalia de aur: INOVA ZAGREB 2021 / Octombrie 2021, Geanta V., Voiculescu I., Stefanoiu R., Binchiciu H., Vizureanu P., Kelemen H., Codescu M.M., Sandu A.V., Baltatu M.S., Marinescu V.E. **20.00** **3.18.8.** Medalia de aur: Intarg Poland / 2021, Vizureanu P., Baltatu M.S., Sandu A.V., Bernic M., Balan M. **20.00** **3.18.9** Premiu Special: Intarg Poland / 2021, Vizureanu P., Baltatu M.S., Sandu A.V., Bernic M., Balan M. **20.00** **3.18.10**. Medalia de aur: INFOINVENT/17-20 Noiembrie 2021, Geanta V., Voiculescu I., Stefanoiu R., Binchiciu H., Vizureanu P., Kelemen H., Codescu M.M., Sandu A.V., Baltatu M.S., Marinescu V.E., Binchiciu E.F., Patroi D. **20.00** **3.18.**11 Medalia de argint: Thailand Invetors Day 2021, Baltatu M.S., Vizureanu P., Sandu A.V., Abdullah M.M.A.B., Salleh M.A.A.M. **20.00** **3.18.12** Medalia de argint: INOVA ZAGREB 2021 / Octombrie 2021, Geanta V., Voiculescu I., Stefanoiu R., Binchiciu H., Vizureanu P., Kelemen H., Codescu M.M., Sandu A.V., Baltatu M.S., Marinescu V.E., Binchiciu E.F., Patroi D. **20.00** **3.18.13** Medalia de aur: Innovation and Creative Education Fair for Youth ICE-USV, Vizureanu P., Baltatu M.S., Sandu A.V., Loghin C.M., Burduhos-Nergis Dumitru Doru, Bernic M., Balan M. **10.00** **3.18.14**. Medalia de aur: PROINVENT/ 20-22 Octombrie 2021, Geanta V., Voiculescu I., Stefanoiu R., Binchiciu H., Vizureanu P., Kelemen H., Codescu M.M., Sandu A.V., Baltatu M.S., Marinescu V.E., Binchiciu E.F., Patroi D. **10.00** **3.18.**15 Medalia de aur: PROINVENT/ 20-22 Octombrie 2021, Geanta V., Voiculescu I., Stefanoiu R., Binchiciu H., Vizureanu P., Kelemen H., Codescu M.M., Sandu A.V., Baltatu M.S., Marinescu V.E. **10.00** **3.18.16**. Medalia de aur: 2021 Kaohsiung International Invention & Design EXPO 2-4 Decembrie 2021, Geanta V., Voiculescu I., Stefanoiu R., Binchiciu H., Vizureanu P., Kelemen H., Codescu M.M., Sandu A.V., Baltatu M.S., Marinescu V.E. **20.00** **3.18.**17 Medalia de aur: INVENTCOR 16-18.12.2021 Deva, Romania, Geanta V., Voiculescu I., Stefanoiu R., Binchiciu H., Vizureanu P., Kelemen H., Codescu M.M., Sandu A.V., Baltatu M.S., Marinescu V.E. **10.00** **3.18.**18 Medalia de aur: INVENTCOR 16-18.12.2021 Deva, Romania, Geanta V., Voiculescu I., Stefanoiu R., Binchiciu H., Vizureanu P., Kelemen H., Codescu M.M., Sandu A.V., Baltatu M.S., Marinescu V.E., Binchiciu E.F., Patroi D **10.00**	**310**

Total punctaj Criteriu 3		**2239**
4. Activitatea cu studenţii (minimum: • 10 puncte prof.; • 7 puncte conf.; • 5 puncte ș.l.)	4.1. Conducere cercuri ştiinţifice studenţeştI Realizări: 4.1.1. APLICAŢII ALE ENERGIEI SOLARE 4.1.2. STUDIU PRIVIND NANOTEHNOLOGIA ȘI METAMATERIALELE FOLOSITE ÎN CAMUFLAJUL MILITAR	**6**
	4.2. Pregătire pentru concursuri profesionale (pentru fazele naţională şi internaţională)	
	4.3. Conducere lucrări de absolvire[2)], licenţă (diplomă), disertaţie, doctorat ((inclusiv cotutelă, membri în echipa de îndrumare) **Realizări:** 4.3.1. 5 lucrări de licență (**3x5=15p**) 4.3.2. 5 lucrări de dizertație (**5x5=25p**)	**40**
	4.4. Îndrumare ani de studii	
	4.5. Organizarea de excursii de studii, prezentarea ofertei educaţionale a universităţii în licee	
	4.6. Activități cu studenți ERASMUS	
Total punctaj Criteriu 4		**46,00**
5. Activitatea în comunitatea academică (minimum: • 15 puncte prof.; • 10 puncte conf.); • 5 puncte ș.l.;	**5.1.** Participare la mese rotunde, dezbateri organizate la nivelul facultății/ universității etc. 5.1.1. Masa rotunda: OBȚINEREA ȘI EXPERTIZAREA UNOR NOI MATERIALE BIOCOMPATIBILE PENTRU APLICAȚII MEDICALE , –MedicalMetMat – , PN-III-P1-1.2-PCCDI-2017-0239 60PCCDI/2018. Proiect P2 - Aliaje biocompatibile pe bază de titan pentru protetică medicală din sisteme complexe microaliate – BioTIT , Data: 16.04.2021 5.1.2. Masa rotunda: OBȚINEREA ȘI EXPERTIZAREA UNOR NOI MATERIALE BIOCOMPATIBILE PENTRU APLICAȚII MEDICALE , –MedicalMetMat – , PN-III-P1-1.2-PCCDI-2017-0239 60PCCDI/2018. Data: 22.05.2021 5.1.3. Masa rotunda doctorand Ciubotaru V.C.	**9**
	5.2. Activitate în comisii **Realizări:** 5.2.1. Consiliu departament - 3 5.2.2. Comisie de licenta EPI, Comisie master SITM – 6 5.2.3. Consiliu facultate – 5	**14**
	5.3. Coordonare programe de studii de licență/ masterat/ postuniversitare de formare continuă **Realizări:** 5.3.1. Coordonator program de studii EPI – 5 5.3.2. Coorodnator domeniu Ingineria Mecanica, program de master SITM – 5	**10**
Total punctaj Criteriu 5		**33,00**
Total punctaj Criterii 1-5		**7222,79**
6. Evaluarea de către Directorul de Departament (0-50 puncte)	**Justificări:** • .....; • .....; •	**50**
Total general		**7272,79**

Data: 18.06.2022

	Funcţie didactică/ Nume și prenume	Semnătura
Director Departament	**Prof. univ. dr. ing. Petrică VIZUREANU**	
Cadru didactic evaluat	**Prof. univ. dr. ing. Petrică VIZUREANU**	

UNIVERSITATEA TEHNICĂ „GHEORGHE ASACHI" DIN IAŞI

FACULTATEA DE ŞTIINŢA ŞI INGINERIA MATERIALELOR

DEPARTAMENTUL DE TEHNOLOGII ŞI ECHIPAMENTE PENTRU PROCESAREA MATERIALELOR

FIŞA DE AUTOEVALUARE Şi DE EVALUARE DE CĂTRE DIRECTORUL DE DEPARTAMENT

(pentru activitatea în departamentul de încadrare conform contractului de muncă)

Numele şi prenumele cadrului didactic evaluat	**VIZUREANU PETRICĂ**
Funcţia didactică	**PROFESOR**

Criteriul de evaluare	Indicatori de performanţă (cu explicitarea modului de calcul a punctajului pentru fiecare realizare, conf. Anexa 1)	Punctaj
1. Activitate didactică (minimum: • 30 puncte prof.; • 15 puncte conf.; • 10 puncte ş.l.; • 5 puncte as.)	**1.1.** Predare discipline/ cursuri noi în planul de învăţământ, pe direcţii neelaborate anterior (se punctează nr. de discipline noi) 1.1.1. Sisteme neconventionale pentru tehnologii moderne, anul II, SITM **20p** 1.1.2. Curs – Materiale ceramice **20 p** 1.1.3 Curs - Utilaje pentru ingineria materialelor **20p**	**60**
	1.2. Elaborare manuale universitare (inclusiv în sistem e-learning) 1.2.1. **Petrică Vizureanu**, Mirabela Georgiana Minciuna, Gianina Iovan and Simona Stoleriu, Book title: Cobalt, Chapter title: Synthesis, Processing and Characterization of the Cobalt Alloys with Silicon Addition, IntechOpen Books, IntechOpen Books, p. 23-48, 2018, **40x(25/100)/4=2,5p** 1.2.2. **Petrică Vizureanu**, Dragoş-Cristian Achiţei, Mirabela-Georgiana Minciună and Manuela-Cristina Perju Book title: Shape-Memory Materials, Chapter title: Aspects Regarding Thermal-Mechanical Fatigue of Shape Memory Alloys, , IntechOpen Books, p.17-42, 2018.**40x(26/100)/4 = 2,6p** 1.2.3. **Petrică Vizureanu**, Manuela-Cristina Perju, Dragoş-Cristian Achiţei and Carmen Nejneru Book title: Advanced Surface Engineering Research, Chapter title: Advanced Electro-Spark Deposition Process on Metallic Alloys, , IntechOpen Books, p.45-68, 2018. **40x(23/100)/4 = 2,3p** 1.2.4. **Vizureanu P.**, Baltatu M.S., Titanium-Based Alloys for Biomedical Applications, editura Materials Research Forum LLC, volume 74 (2020) ISSN 2471-8890, 160 pag. **40 x(160/100)/2= 32p** 1.2.5. **Petrică Vizureanu**, Mădălina Simona Bălţatu, Andrei Victor Sandu, Chapter title: Development of New Advanced Ti-Mo Alloys for Medical Applications, IntechOpen Books, 2020 DOI: http://dx.doi.org/10.5772/intechopen.91906, 19 pag. **40x(19/100)/4 =2,53p** 1.2.6. V. Geanta, I. Voiculescu, **P. Vizureanu**, A.V. Sandu, Chapter title: High Entropy Alloys for Medical Applications, High Entropy Alloys, IntechOpen Books, 2019, (DOI: 10.5772/intechopen.89318), 17 pag. **40x(17/100)/4 =1,7p** 1.2.7. Vizureanu P., Burduhos Nergis D.D., Sandu A.V., Burduhos Nergis D.P., Baltatu M.S., The Physical and Mechanical Characteristics of Geopolymers Using Mine Tailings as Precursors, IntechOpen, 2021, DOI: 10.5772/intechopen.97807 **40x(21/100)/5=1,68p** 1.2.8. Vizureanu P., Bălţatu M.S., Sandu A.V., Achitei D.C., Burduhos Nergis D.D., Perju M.C., New Trends in Bioactive Glasses for Bone Tissue: A review, Current Concepts in Dental Implantology - From Science to Clinical Research, IntechOpen, 2021, DOI: http://dx.doi.org/10.5772/intechopen.100567 23 pag. **40x(23/100)/6 =1,53p** 1.2.9. Vizureanu P., Burduhos-Nergis D.D., Green Materials Obtained by Geopolymerization for a Sustainable Future, editura Materials Research Forum LLC, vol. 90 (2021) ISBN 978-1-64490-112-0, 212 pag. **40 x(212/100)/2= 42,4p** 1.2.10. Vizureanu P., Bălţatu M.S., Sandu A.V., Achitei D.C., Burduhos Nergis D.D., Perju M.C., Assessment of Solar Energy Potential Limits within Solids on Heating-Melting Interval, Capitol IntechOpen, (DOI: 10.5772/intechopen.104847) **40x(25/100)/6 = 1,66 p**	**90.9**
	1.1. Elaborare suporturi de cursuri, seminarii, laboratoare, proiecte	
	1.2. Elaborare manuale şi alte materiale pentru învăţământul preuniversitar	
	1.3. Modernizare tehnologie didactică din alte surse decât din cele publice (donaţii, sponsorizări etc.)	
Total punctaj Criteriu 1		150.90
2. Cercetarea ştiinţifică	**2.1.** Elaborare cărţi/ monografii/ tratate **Realizări:** 2.1.1. Baltatu M.S., **Vizureanu P.** Materiale Biocompatibile, editura PIM, ISBN : 978-606-13-	**243.23**

(minimum: • 150 puncte prof.; • 100 puncte conf.; • 60 puncte ș.l.; • 30 puncte asist.)	5168-8, 2019, 146 pagini . **20 x (146/100) / 2 = 14,6 p** 2.1.2. **Vizureanu, P.** – editor, Thermodynamics and Energy Engineering, Intech Open, 2020, ISBN 978-1-83880-569-2, DOI: 10.5772/intechopen.79004, 257 pag.. **50x(257/100)=128,5** **2.1.3.** Minciuna M.G., Vizureanu P., Baltatu M.S., Sisteme Moderne Pentru Aplicații Medicale, Editura PIM, 2022, 135 pagini **20 x (135/100) / 3 = 9 p** 2.1.4. Baltatu M.S., Burduhos-Nergis D.D., Burduhos-Nergis D.P., Vizureanu P., Advanced Metallic Biomaterials, Materials Research Foundations Vol. 118, 162 Pages, Print ISBN 978-1-64490-176-2, DOI: 10.21741/9781644901779 **50 x(162/100)/4 = 20,25 p** 2.1.5. Burduhos-Nergis D.P., Burduhos-Nergis D.D., Baltatu M.S. , Vizureanu P., Advanced Coatings for the Corrosion Protection of Metals, Material Research Forum, USA (ISBN 978-1-64490-166-3), 152 p., DOI: 10.21741/9781644901670. **50 x(152/100)/4 = 19,0 p** 2.1.6. Burduhos-Nergis D.D., Burduhos-Nergis D.P., Baltatu M.S., Vizureanu P., Ceramics and Composites, Preparation and Applications, Materials Research Foundations, vol. 117, ISBN 978-1-64490-170-0, doi: 10.21741/9781644901717. **50 x(117/100)/4 = 14,63 p** 2.1.7. **Vizureanu, P.** – editor, Botelho C.M.D.C.F.- co-editor, Biomaterials, Intech Open, 2020, ISBN: 978-1-78984-465-8, DOI: 10.5772/intechopen.87369, 149 pag. , **50x(149/100)/2=37,25**	
	2.2. Articole publicate în reviste de specialitate a. reviste cotate ISI Realizări: 1. Achitei, D.C.; Baltatu, M.S.; **Vizureanu, P.**; Sandu, A.V.; Benchea, M.; Istrate, B. Ni-Cr Alloys Assessment for Dental Implants Suitability. Appl. Sci. 2022, 12, 12814. https://doi.org/10.3390/app122412814 **F.I. 2.838** **FI: 2.838 (30 + 40 x 2.838)/6= 23.92** 2. Mydin, M.A.O.; Abdullah, M.M.A.B.; Mohd Nawi, M.N.; Yahya, Z.; Sofri, L.A.; Baltatu, M.S.; Sandu, A.V.; **Vizureanu, P.** Influence of Polyformaldehyde Monofilament Fiber on the Engineering Properties of Foamed Concrete. Materials 2022, 15, 8984. https://doi.org/10.3390/ma15248984 **F.I. 3.748 (30 + 40 x 3.748)/8= 22.49** 3. Nadzri, NIM (Nadzri, Nur Izzati Muhammad); Halin, DSC (Halin, Dewi Suriyani Che); Abdullah, MMA (Abdullah, Mohd Mustafa Al Bakri); Joseph, S (Joseph, Sudha); Salleh, MAAM (Salleh, Mohd Arif Anuar Mohd); Vizureanu, P (Vizureanu, Petrica); Burduhos-Nergis, DP (Burduhos-Nergis, Diana-Petronela); Sandu, AV (Sandu, Andrei Victor), High-Entropy Alloy for Thin Film Application: A Review, COATINGS Volume: 12 Issue: 12 Article Number: 1842 DOI: 10.3390/coatings12121842 Published: DEC 2022 **F.I. 3.236 (30 + 40 x 3.236)/8= 19.93** 4. Baidrulhisham, S.E.; Noor, N.M.; Hassan, Z.; Sandu, A.V.; **Vizureanu, P.**; Ul-Saufie, A.Z.; Zainol, M.R.R.M.A.; Kadir, A.A.; Deák, G. Effects of Weather and Anthropogenic Precursors on Ground-Level Ozone Concentrations in Malaysian Cities. Atmosphere 2022, 13, 1780. https://doi.org/10.3390/atmos13111780 **F.I. 3.11** **(30 + 40 x 3.11)/10= 15.44** 5. Baltatu, M.S.; Chiriac-Moruzzi, C.; **Vizureanu, P.**; Tóth, L.; Novák, J. Effect of Heat Treatment on Some Titanium Alloys Used as Biomaterials. Appl. Sci. 2022, 12, 11241. https://doi.org/10.3390/app122111241 FI. **F.I. 2.838 (30 + 40 x 2.838)/5= 28.704** 6. Jamil, N.H.; Abdullah, M.M.A.B.; Ibrahim, W.M.A.W.; Rahim, R.; Sandu, A.V.; **Vizureanu, P.**; Castro-Gomes, J.; Gómez-Soberón, J.M. Effect of Sintering Parameters on Microstructural Evolution of Low Sintered Geopolymer Based on Kaolin and Ground-Granulated Blast-Furnace Slag. Crystals 2022, 12, 1553. https://doi.org/10.3390/cryst12111553 **FI. 2,670, (30 + 40 x 2.67)/6= 22,8** 7. Jimenez-Marcos, C (Jimenez-Marcos, Cristina); Mirza-Rosca, JC (Mirza-Rosca, Julia Claudia); Baltatu, MS (Baltatu, Madalina Simona); Vizureanu, P (Vizureanu, Petrica), Experimental Research on New Developed Titanium Alloys for Biomedical Applications, BIOENGINEERING-BASEL Volume: 9 Issue: 11 Article Number: 686 DOI: 10.3390/bioengineering9110686 Published: NOV 2022 **FI. 5.046 (30 + 40 x 5.046)/4= 57.96** 8. Mohamad, I.S.; Norizan, M.N.; Mahmed, N.; Jamalullail, N.; Halin, D.S.C.; Salleh, M.A.A.M.; Sandu, A.V.; Baltatu, M.S.; **Vizureanu, P.** Enhancement of Power Conversion Efficiency with Zinc Oxide as Photoanode and Cyanococcus, Punica granatum L., and Vitis vinifera as Natural Fruit Dyes for Dye-Sensitized Solar Cells. Coatings 2022, 12, 1781. https://doi.org/10.3390/coatings12111781 **F.I. 3.236 (30 + 40 x 3.236)/9= 17.71** 9. Sofri, L.A.; Abdullah, M.M.A.B.; Sandu, A.V.; Imjai, T.; **Vizureanu, P.**; Hasan, M.R.M.; Almadani, M.; Aziz, I.H.A.; Rahman, F.A. Mechanical Performance of Fly Ash Based Geopolymer (FAG) as Road Base Stabilizer. Materials 2022, 15, 7242. https://doi.org/10.3390/ma15207242 **F.I. 3.748 (30 + 40 x 3.748)/9= 19.99** 10. Tahirukaj, M.; Surleva, A.; **Vizureanu, P.**; Olluri, B.; Sandu, A.V. Assessment of Persistence of Gunshot Residues Produced by Firearms from Criminal Cases in the Republic of Kosovo. Appl. Sci. 2022, 12, 10477. https://doi.org/10.3390/app122010477 **F.I. 2,838 , (30 + 40 x 2.838)/5= 28.704** 11. Thanki, H.; Shah, S.; Oza, A.; **Vizureanu, P.**; Burduhos-Nergis, D.D. Sustainable Consumption: Will They Buy It Again? Factors Influencing the Intention to Repurchase Organic Food Grain. Foods 2022, 11, 3046. https://doi.org/10.3390/foods11193046 **F.I. 5.561 (30 + 40 x 5.561)/5= 50.488** 12. Arokiasamy, P.;Abdullah, MMA; Abd Rahim, SZ; Zainol, MRRMA; Salleh, MAAM; Kheimi, M; Chaiprapa, J.; Sandu, A.V.; **Vizureanu, P.**; Razak, R.A.; Jamil, NH. Metakaolin/sludge based geopolymer adsorbent on high removal efficiency of Cu2+. CASE STUDIES IN CONSTRUCTION MATERIALS 2022, 17, 01428. https://doi.org/10.1016/j.cscm.2022.e01428 **FI.5,532 (30 + 40 x 5.561)/7= 35.89** 13. Ahmad, R.; Ibrahim, W.M.W.; Abdullah, M.M.A.B.; Pakawanit, P.; **Vizureanu, P.**; Abdullah, A.S.; Sandu, A.V.; Ahmad Zaidi, F.H. Geopolymer-Based Nepheline Ceramics: Effect of Sintering Profile on Morphological Characteristics and Flexural Strength. Crystals 2022, 12,	**1455,00**

1313. https://doi.org/10.3390/cryst12091313 **F.I. 2,670 (30 + 40 x 2.670)/8= 17.1**

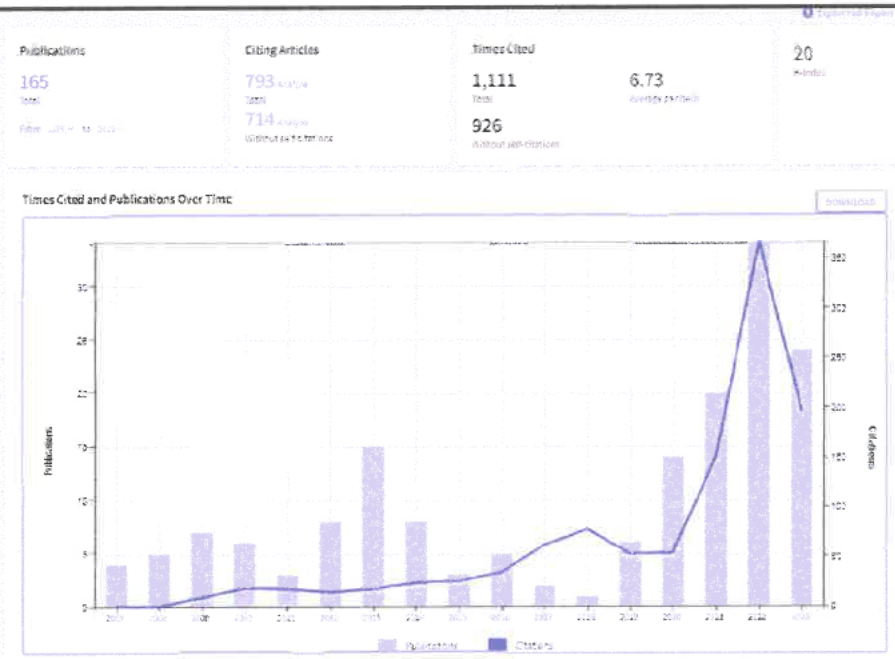
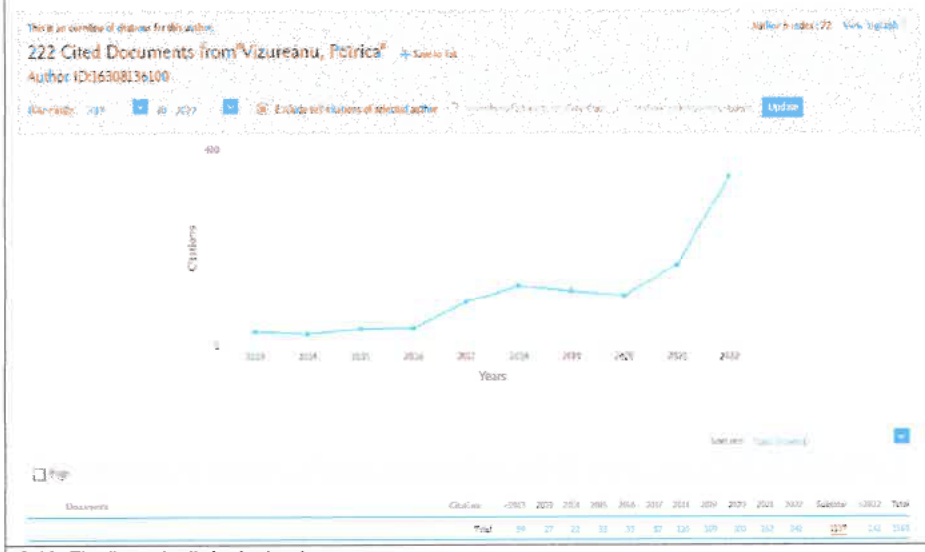
14. Ibrahim, W.M.W.; Abdullah, M.M.A.B.; Ahmad, R.; Sandu, A.V.; **Vizureanu, P.**; Benjeddou, O.; Rahim, A.; Ibrahim, M.; Sauffi, A.S. Chemical Distributions of Different Sodium Hydroxide Molarities on Fly Ash/Dolomite-Based Geopolymer. Materials 2022, 15, 6163. https://doi.org/10.3390/ma15176163 **F.I. 3.748 (30 + 40 x 3.748)/9= 19.99**
15. Jamaludin, L.; Razak, R.A.; Abdullah, M.M.A.B.; **Vizureanu, P.**; Bras, A.; Imjai, T.; Sandu, A.V.; Abd Rahim, S.Z.; Yong, H.C. The Suitability of Photocatalyst Precursor Materials in Geopolymer Coating Applications: A Review. Coatings 2022, 12, 1348. https://doi.org/10.3390/coatings12091348 **F.I. 3.236 (30 + 40 x 3.236)/9= 17.72**
16. Ul-Saufie, A.Z.; Hamzan, N.H.; Zahari, Z.; Shaziayani, W.N.; Noor, N.M.; Zainol, M.R.R.M.A.; Sandu, A.V.; Deak, G.; **Vizureanu, P.** Improving Air Pollution Prediction Modelling Using Wrapper Feature Selection. Sustainability 2022, 14, 11403. https://doi.org/10.3390/su141811403 **FI, 3,889 , 50*FI/10=19,45 (30 + 40 x 3.889)/10= 18.55**
17. Hashim, N.M.; Noor, N.M.; Ul-Saufie, A.Z.; Sandu, A.V.; **Vizureanu, P.**; Deák, G.; Kheimi, M. Forecasting Daytime Ground-Level Ozone Concentration in Urbanized Areas of Malaysia Using Predictive Models. Sustainability 2022, 14, 7936. https://doi.org/10.3390/su14137936 **FI. 3,889 , (30 + 40 x 3.889)/7= 26.51**
18. Yong-Sing, N.; Yun-Ming, L.; Cheng-Yong, H.; Abdullah, M.M.A.B.; Pakawanit, P.; **Vizureanu, P.**; Khalid, M.S.; Hui-Teng, N.; Yong-Jie, H.; Nabiałek, M.; Pietrusiewicz, P.; Garus, S.; Sochacki, W.; Śliwa, A. Improvements of Flexural Properties and Thermal Performance in Thin Geopolymer Based on Fly Ash and Ladle Furnace Slag Using Borax Decahydrates. Materials 2022, 15, 4178. https://doi.org/10.3390/ma15124178 **F.I. 3.748 50*FI/14=13,39 (30 + 40 x 3.748)/14= 12.85**
19. Huzaim, N.H.M.; Rahim, S.Z.A.; Musa, L.; Abdellah, A.E.-h.; Abdullah, M.M.A.B.; Rennie, A.; Rahman, R.; Garus, S.; Błoch, K.; Sandu, A.V.; **Vizureanu, P.**; Nabiałek, M. Potential of Rapid Tooling in Rapid Heat Cycle Molding: A Review. Materials 2022, 15, 3725. https://doi.org/10.3390/ma15103725 **F.I. 3.748 (30 + 40 x 3.748)/11= 16.36**
20. Tahir, M.F.M.; Abdullah, M.M.A.B.; Rahim, S.Z.A.; Mohd Hasan, M.R.; Sandu, A.V.; **Vizureanu, P.**; Ghazali, C.M.R.; Kadir, A.A. Mechanical and Durability Analysis of Fly Ash Based Geopolymer with Various Compositions for Rigid Pavement Applications. Materials 2022, 15, 3458. https://doi.org/10.3390/ma15103458 **F.I. 3.748 (30 + 40 x 3.748)/8= 22.49**
21. Yusof, M.F.; Zainol, M.R.R.M.A.; Sandu, A.V.; Riahi, A.; Zakaria, N.A.; Shaharuddin, S.; Aziz, M.S.A.; Mohamed Noor, N.; **Vizureanu, P.**; Zawawi, M.H.; Ikhsan, J. Clean Water Production Enhancement through the Integration of Small-Scale Solar Stills with Solar Dish Concentrators (SDCs)—A Review. Sustainability 2022, 14, 5442. https://doi.org/10.3390/su14095442 **FI. 3,889 , (30 + 40 x 3.889)/11= 16.87**
22. Ramli, M.I.I.; Salleh, M.A.A.M.; Abdullah, M.M.A.B.; Aziz, I.H.; Ying, T.C.; Shahedan, N.F.; Kockelmann, W.; Fedrigo, A.; Sandu, A.V.; **Vizureanu, P.**; Chaiprapa, J.; Burduhos Nergis, D.D. The Influence of Sintering Temperature on the Pore Structure of an Alkali-Activated Kaolin-Based Geopolymer Ceramic. Materials 2022, 15, 2667. https://doi.org/10.3390/ma15072667 **F.I. 3.748 (30 + 40 x 3.748)/12= 14.99**
23. Zaimi, N.S.M.; Salleh, M.A.A.M.; Abdullah, M.M.A.-B.; Nadzri, N.I.M.; Sandu, A.V.; **Vizureanu, P.**; Ramli, M.I.I.; Nogita, K.; Yasuda, H.; Sandu, I.G. Effect of Kaolin Geopolymer Ceramics Addition on the Microstructure and Shear Strength of Sn-3.0Ag-0.5Cu Solder Joints during Multiple Reflow. Materials 2022, 15, 2758. https://doi.org/10.3390/ma15082758 **F.I. 3.748 (30 + 40 x 3.748)/9= 19.99**
24. Aziz, I.H.; Abdullah, M.M.A.B.; Salleh, M.A.A.M.; Ming, L.Y.; Li, L.Y.; Sandu, A.V.; **Vizureanu, P.**; Nemes, O.; Mahdi, S.N. Recent Developments in Steelmaking Industry and Potential Alkali Activated Based Steel Waste: A Comprehensive Review. Materials 2022, 15, 1948. https://doi.org/10.3390/ma15051948 **F.I. 3.748 50*FI/8=23,43 (30 + 40 x 3.748)/8= 22.49**
25. Baltatu, I.; Sandu, A.V.; Vlad, M.D.; Spataru, M.C.; **Vizureanu, P.**; Baltatu, M.S. Mechanical Characterization and In Vitro Assay of Biocompatible Titanium Alloys. Micromachines 2022, 13, 430. https://doi.org/10.3390/mi13030430 **F.I. 3,523 (30 + 40 x 3.523)/6= 28.49**
26. Ramli, M.I.I.; Salleh, M.A.A.M.; Abdullah, M.M.A.B.; Zaimi, N.S.M.; Sandu, A.V.; **Vizureanu, P.**; Rylski, A.; Amli, S.F.M. Formation and Growth of Intermetallic Compounds in Lead-Free Solder Joints: A Review. Materials 2022, 15, 1451. https://doi.org/10.3390/ma15041451 **F.I. 3.748 (30 + 40 x 3.748)/8= 22.49**
27. Zailan, S.N.; Mahmed, N.; Abdullah, M.M.A.B.; Rahim, S.Z.A.; Halin, D.S.C.; Sandu, A.V.; **Vizureanu, P.**; Yahya, Z. Potential Applications of Geopolymer Cement-Based Composite as Self-Cleaning Coating: A Review. Coatings 2022, 12, 133. https://doi.org/10.3390/coatings12020133 **F..I. 3,236 (30 + 40 x 3.236)/8= 19.93**
28. Abdila, S.R.; Abdullah, M.M.A.B.; Ahmad, R.; Burduhos Nergis, D.D.; Rahim, S.Z.A.; Omar, M.F.; Sandu, A.V.; **Vizureanu, P.**; Syafwandi. Potential of Soil Stabilization Using Ground Granulated Blast Furnace Slag (GGBFS) and Fly Ash via Geopolymerization Method: A Review. Materials 2022, 15, 375. https://doi.org/10.3390/ma15010375 **F.I. 3.748 (30 + 40 x 3.748)/8= 22.49**
29. Azimi, Emy Aizat; Salleh, M. A. A. Mohd; Abdullah, Mohd Mustafa Al Bakri; Aziz, Ikmal Hakem A.; Hussin, Kamarudin; Chaiprapa, Jitrin; **Vizureanu, Petrica**; Yoriya, Sorachon; Nabialek, Marcin; Wyslocki, Jerzy J. EFFECT OF NAOH MOLAR CONCENTRATION ON MICROSTRUCTURE AND COMPRESSIVE STRENGTH OF DOLOMITE/FLY ASH-BASED GEOPOLYMERS. ARCHIVES OF METALLURGY AND MATERIALS. 2022, 67(3), 993-998. DOI: https://doi.org/10.24425/amm.2022.139693 **F.I. 0,633 (30 + 40 x 0.633)/10= 5.523**
30. Baltatu, I; Sandu, AV; Baltatu, MS; Benchea, M; Achitei, DC; Ciolacu, F; Perju, MC; **Vizureanu, P**; Benea, L. STRUCTURAL AND PHYSICAL CHARACTERIZATION OF NEW

Ti-BASED ALLOYS. ARCHIVES OF METALLURGY AND MATERIALS. 2022, 67(1), 255-259. DOI: https://doi.org/10.24425/amm.2022.137499 **F.I. 0.633 (30 + 40 x 0.633)/9= 6.15**

31. Burduhos Nergis, D.D.; **Vizureanu, P.**; Sandu, A.V.; Burduhos Nergis, D.P.; Bejinariu, C. XRD and TG-DTA Study of New Phosphate-Based Geopolymers with Coal Ash or Metakaolin as Aluminosilicate Source and Mine Tailings Addition. Materials 2022, 15, 202. https://doi.org/10.3390/ma15010202 **F.I. 3.748 (30 + 40 x 3.748)/5= 35.98**
32. Ibrahim, M; Ibrahim, WMW; Al, MM; Sauffi, AS; **Vizureanu, P.** EFFECT OF SOLID-TO-LIQUIDS AND Na2SiO3-TO-NaOH RATIO ON METAKAOLIN MEMBRANE GEOpOLyMERS. ARCHIVES OF METALLURGY AND MATERIALS. 2022, 67(2), 695-702. DOI: https://doi.org/10.24425/amm.2022.137808 **F.I. 0.633 (30 + 40 x 0.633)/4= 13.83**
33. Minciuna, MG; **Vizureanu, P**; Jez, B; Sindu, AV; Nabialek, M; Achitei, DC. CORRELATION BETWEEN MICROSTRUCTURE AND ELECTROCHEMICAL PROPERTIES OF Al-Si ALLOYS. ARCHIVES OF METALLURGY AND MATERIALS. 2022, 67(3), 1067-1070. DOI: https://doi.org/10.24425/amm.2022.139704 **F.I. 0.633 (30 + 40 x 0.633)/6= 9.22**
34. Nergis, DDB; **Vizureanu, P**; Lupescu, S; Nergis, DPB; Perju, MC; Sandu, AV. MICROSTRUCTURAL ANALYSIS OF AMBIENT CURED PHOSPHATE BASED-GEOPOLYMERS WITH COAL-ASH AS PRECURSOR. ARCHIVES OF METALLURGY AND MATERIALS. 2022, 67(2), 595-600. DOI: https://doi.org/10.24425/amm.2022.137795 **F.I. 0.633 (30 + 40 x 0.633)/6= 9.22**
35. Perju, MC; Nejneru, C; **Vizureanu, P**; Aelenei, AA; Sandu, AV; Sachelarie, L; Nabialek, M. SOME ASPECTS CONCERNING TITANIUM COVERAGE WITH HYDROxYAPATITE. ARCHIVES OF METALLURGY AND MATERIALS. 2022, 67(2), 521-527. DOI: https://doi.org/10.24425/amm.2022.137785 **F.I. 0.633 (30 + 40 x 0.633)/7= 7.91**
36. Voiculescu, I; Geanta, V; Chereches, T; **Vizureanu, P**; Stefanoiu, R; Rotariu, A; Mitrica, D., IMPACT BEHAVIOR OF THE BALLISTIC TARGETS PACKAGE COMPOSED OF DYNEEMA POLYMER AND HIGH ENTROPY ALLOY STRUCTURES. ARCHIVES OF METALLURGY AND MATERIALS. 2022, 67(2), 569-576. DOI: https://doi.org/10.24425/amm.2022.137792 **F.I. 0.633 (30 + 40 x 0.633)/7= 7.91**
37. Baltatu, M.S.; **Sandu, A.V.**; Nabialek, M.; **Vizureanu, P.**; Ciobanu, G. Biomimetic Deposition of Hydroxyapatite Layer on Titanium Alloys. Micromachines 2021, 12, 1447. https://doi.org/10.3390/mi12121447 **F.I. 3,523 (30 + 40 x 3.523)/5= 34.18**
38. I. LUHAR, S. LUHAR, M.M.A. ABDULLAH, R.A. RAZAK, P. VIZUREANU, A.V. SANDU, P.D. MATASARU, A State-of-the-Art Review on Innovative Geopolymer Composites Designed for Water and Wastewater Treatment, MATERIALS, 14 (23), 2021, Article Number 7456, DOI10.3390/ma14237456. **F.I. 3,748 (30 + 40 x 3.748)/7= 25.71**
39. Spataru, M.C., Butnaru, M., Sandu, A.V., Vulpe, V., Vlad, M.D., Baltatu, M.S., Geanta, V., Voiculescu, I., **Vizureanu, P.**, Solcan, C., In-depth assessment of new Ti-based biocompatible materials, MATERIALS CHEMISTRY AND PHYSICS, Volume: 258, Article Number: 123959, Published: 2021, **F.I.: 3,778**. **(30 + 40 x 3.778)/10= 18.11**
40. Verestiuc, L., Spataru, M.C., Baltatu, M.S., Butnaru, M., Solcan, C., Sandu, A.V., Voiculescu, I., Geanta, V., **Vizureanu, P**., New Ti-Mo-Si materials for bone prosthesis applications, JOURNAL OF THE MECHANICAL BEHAVIOR OF BIOMEDICAL MATERIALS, Volume: 113, Article Number: 104198, Published: 2021, **F.I.: 3,748. (30 + 40 x 3.748)/9= 19.99**
41. Baltatu, M.S., **Vizureanu, P.**, Sandu, A.V., Munteanu, C., Istrate, B., Microstructural Analysis and Tribological Behavior of Ti-Based Alloys with a Ceramic Layer Using the Thermal Spray Method, COATINGS, Volume: 10, Issue: 12, Article Number: 1216, Published: 2020, **F.I.: 3,236. (30 + 40 x 3.236)/5= 31.89**
42. Paleu, C.C., Munteanu, C., Istrate, B., Bhaumik, S., **Vizureanu, P.**, Baltatu, M.S., Paleu, V., Microstructural Analysis and Tribological Behavior of AMDRY 1371 (Mo-NiCrFeBSiC) Atmospheric Plasma Spray Deposited Thin Coatings, COATINGS, Volume: 10, Issue: 12, Article Number: 1186, Published: 2020, **F.I.: 3,236. (30 + 40 x 3.236)/7= 22.78**
43. Titu, A.M., **Vizureanu, P.**, Titu, S., Sandu, A.V., Pop, A.B., Bucur, V., Ceocea, C., Boroiu, A., Experimental Research on the Cutting of Metal Materials by Electrical Discharge Machining with Contact Breaking with Metal Band as Transfer Object, MATERIALS, Volume: 13, Issue: 22, Article Number: 5257, Published: 2020, **F.I.: 3,748. (30 + 40 x 3.748)/8= 22.49**
44. Savin, A., Craus, M.L., Bruma, A., Novy, F., 11Malo, S., Chlada, M., Steigmann, R., **Vizureanu, P.**, Harnois, C., Turchenko, V., Prevorovsky, Z., Microstructural Analysis and Mechanical Properties of TiMo20Zr7Ta15Six Alloys as Biomaterials, MATERIALS, Volume: 13, Issue: 21, Article Number: 4808, Published: 2020, **F.I.: 3,748**, . **(30 + 40 x 3.748)/11= 16.35**
45. Nabialek, M., Walters, S., **Vizureanu, P.**, Abdullah, M.M.A.B., Jez, B., Influence of Co and Zr Content on Creation of Crystalline Phases in Rapidly-Cooled, Injection-Cast Alloys Fe70Zr8-xCoxNb2B20 (where x=0, 2, 4, 6 or 8), ACTA PHYSICA POLONICA A, Volume: 138, Issue: 2, Pages: 152-155, Published: 2020, **F.I.:0,725.** . **(30 + 40 x 0.725)/5= 11.8**
46. Talar, M., Gondro, J., **Vizureanu, P.**, Abdullah, M.M.A.B., Bloch, K., The Influence of Heat Treatment on the Magnetic Properties of the Alloy Fe62Co10Y8B20 Produced by the Injection Suction Casting Method, ACTA PHYSICA POLONICA A, Volume: 138, Issue: 2, Pages: 185-188, Published: 2020, **F.I.:0,725. (30 + 40 x 0.725)/5= 11.8**
47. Perju, M.C., Sandu, A.V., **Vizureanu, P.**, Nejneru, C., Tugui, C.A., Burduhos-Nergis, D.D., Microstructural Analysis of Ti/W/WC Deposition by ESD Method, ACTA PHYSICA POLONICA A, Volume: 138, Issue: 2, Pages: 214-217, Published: 2020, **F.I.:0,725. (30 + 40 x 0.725)/6= 9.833**
48. **Vizureanu, P.**, Yamaguchi, S., Le, P.T.M., Baltatu, M.S., Biocompatibility Evaluation of New TiMoSi Alloys, ACTA PHYSICA POLONICA A, Volume: 138, Issue: 2, Pages: 283-

	286, Published: 2020, **F.I.:0,725. (30 + 40 x 0.725)/4= 14.75** 49. Burduhos-Nergis, D.P., **Vizureanu, P.**, Sandu, A.V., Bejinariu, C., Phosphate Surface Treatment for Improving the Corrosion Resistance of the C45 Carbon Steel Used in Carabiners Manufacturing, MATERIALS, Volume: 13, Issue: 15, Article Number: 3410, Published: 2020, **F.I.: 3,748. . (30 + 40 x 3.748)/4= 44.98** 50. Predescu, A.M., Vidu, R., **Vizureanu, P.**, Predescu, A., Matei, E; Predescu, C., Properties of Cu-xFe(3)O(4)Nanocomposites for Electrical Application, MATERIALS, Volume: 13 Issue: 14 Article Number: 3086, 2020, **F.I.: 3,748. . (30 + 40 x 3.748)/6= 29.99** 51. Istrate, B., Munteanu, C., Lupescu, S., Chelariu, R., Vlad, M.D., **Vizureanu, P.**, Electrochemical Analysis and In Vitro Assay of Mg-0.5Ca-xY Biodegradable Alloys, MATERIALS, Volume: 13, Issue: 14, Article Number: 3082, Published: 2020, **F.I.: 3,748. (30 + 40 x 3.748)/6= 29.99** 52. Nergis, D.D.B., **Vizureanu, P.**, Ardelean, I., Sandu, A.V., Corbu, O.C., Matei, E., Revealing the Influence of Microparticles on Geopolymers' Synthesis and Porosity, MATERIALS, Volume: 13, Issue: 14, Article Number: 3211, Published: 2020, **F.I.: 3,748. (30 + 40 x 3.748)/6= 29.99** 53. Azimi, E.A., Abdullah, M.M.A., **Vizureanu, P.**, Salleh, M.A.A.M., Sandu, A.V., Chaiprapa, J., Yoriya, S., Hussin, K., Aziz, I.H., Strength Development and Elemental Distribution of Dolomite/Fly Ash Geopolymer Composite under Elevated Temperature, MATERIALS, Volume: 13, Issue: 4, Article Number: 1015, Published: 2020, **F.I.: 3,748. (30 + 40 x 3.748)/9= 19.99** 54. **Vizureanu, P.**, Nabialek, M., Sandu, A.V., Jez, B., Investigation into the Effect of Thermal Treatment on the Obtaining of Magnetic Phases: Fe5Y, Fe23B6, Y2Fe14B and alpha Fe within the Amorphous Matrix of Rapidly-Quenched Fe61+xCo10-xW1Y8B20 Alloys (Where x=0, 1 or 2), MATERIALS, Volume: 13, Issue: 4, Article Number: 835, Published: 2020, **F.I.: 3,748, (30 + 40 x 3.748)/4= 44.98** 55. Burduhos-Nergis, D.P., **Vizureanu, P.**, Sandu, A.V., Bejinariu, C., Evaluation of the Corrosion Resistance of Phosphate Coatings Deposited on the Surface of the Carbon Steel Used for Carabiners Manufacturing, APPLIED SCIENCES-BASEL, Volume: 10, Issue: 8, Article Number: 2753, Published: 2020, **F.I.:2,838. (30 + 40 x 2.838)/4= 35.88** 56. Nergis, D.D.B., Abdullah, M.M.A., Sandu, A.V., **Vizureanu, P.**, XRD and TG-DTA Study of New Alkali Activated Materials Based on Fly Ash with Sand and Glass Powder, MATERIALS, Volume: 13, Issue: 2, Article Number: 343, Published: 2020, **F.I.: 3,748, (30 + 40 x 3.748)/4= 44.98** 57. Savinkin, V.V., **Vizureanu**, P., Sandu, A.V., Ratushnaya, T.Y., Ivanischev, A.A., Surleva, A., Improvement of the Turbine Blade Surface Phase Structure Recovered by Plasma Spraying, COATINGS, Volume: 10, Issue: 1, Article Number: 62, Published: 2020, **F.I.:3,236. (30 + 40 x 3.236)/6= 27.17** 58. Sandu, A.V., Yong, H.C., Tajunnisa, Y., Azzahran, S.F., Bayuji, R., Abdullah, M.M.A., **Vizureanu, P.**, Hussin, K., Jin, T.S., Loong, F.K., Compressive Strength and Thermal Conductivity of Fly Ash Geopolymer Concrete Incorporated with Lightweight Aggregate, Expanded Clay Aggregate and Foaming Agent, REVISTA DE CHIMIE, Volume: 70, Issue: 11, Pages: 4021-4028, Published: 2019, **F.I.: 1,755. (30 + 40 x 1.755)/6= 16.7** 59. Sandu A.V., Baltatu M.S., Nabialek M., Savin A., **Vizureanu P.**, Characterization and Mechanical Proprieties of New TiMo Alloys Used for Medical Applications, Materials Published: 2019, 12(18), 2973. **F.I.: 3,748. (30 + 40 x 3.748)/5= 35.98** 60. Focsaneanu S.C., **Vizureanu P.**, Sandu A.V., Ciobanu G., Baltatu S.M., Vlad D., Experimental Study on the Influence of Zirconia Surface Preparation on Deposition of Hydroxyapatite, Revista de Chimie, vol. 70, nr.6, Published: 2019, pp. 2273-2275, **F.I.: 1,755. (30 + 40 x 1.755)/6= 16.7** 61. Burduhos Nergis, D.D., **Vizureanu, P.**, Corbu, O., Synthesis and Characteristics of Local Fly Ash Based Geopolymers Mixed with Natural Aggregates, REV.CHIM., Volume: 70, Issue: 4, Pages: 1262-1267, Published: 2019, F.I.: **1,755. (30 + 40 x 1.755)/3= 33.4** 62. Baltatu M.S., Tugui C.A., Perju M.C., Benchea M., Spataru M.C., Sandu A.V., **Vizureanu P.**, Biocompatible Titanium Alloys used in Medical Applications, REV.CHIM.,70, No. 4, Published: 2019, pag. 1302-1306, **F.I.: 1,755. (30 + 40 x 1.755)/7= 14.31** 63. Minciuna, M.G., Achitei, D.C., **Vizureanu, P.**, Sandu, A.V., Nabialek, M., Electrochemical Evaluation of AISI 420 Steel after Several Heat Treatments, ACTA PHYSICA POLONICA A, Volume: 135, Issue: 2, Pages: 115-118, Published: 2019, **F.I.:0,725. (30 + 40 x 0.725)/5= 11.8** 64. Sliwa, Agata, Sroka, Marek, Zukowska, Ludwina, Bloch, Katarzyna, **Vizureanu, Petrica**, Sandu, Andrei Victor, Numerical Analysis of Strength Properties of Anatomical General Surgical Tweezers, REVISTA DE CHIMIE, Volume: 69, Issue: 1, Pages: 187-190, **Published:**JAN 2018, **FI= 1,755. (30 + 40 x 1.755)/6= 16.7** b. reviste BDI Realizări:	
	2.3. Conferinţe invitate/ lucrări de sinteză prezentate la manifestări organizate sub egide ştiinţifice recunoscute, lucrări comunicate **a. conferinţe invitate** **Realizări:** **b. lucrări comunicate** **C. sub forma de poster** 2.3.1.) 2.3.1. Burduhos-Nergis D.D., **Vizureanu P.**, Baltatu M.S., Sandu A.V., Burduhos-Nergiş D.P., The effect of glass fiber addition on the mechanical properties of geopolymer composites, 9th International Conference on Materials Science and Technologies – ROMat 2022, 24-	**9.66**

	25 Noiembrie 2022, București, Romania, (poster presentation). **10/5=2p** 2.3.2. Baltatu M.S., Perju M.C., **Vizureanu P.**, Sandu A.V., Burduhos-Nergiș D.D., Future Trends on Biocompatible Titanium Alloys for Orthopedic Implants, 9th International Conference on Materials Science and Technologies – ROMat 2022, 24-25 Noiembrie 2022, București, Romania (**oral presentation**). **15/5 = 3 p** 2.3.3. Ciubotaru V.C., Burduhos-Nergis D.D., Baltatu M.S., Burduhos-Nergis D.P., Sandu A.V., **Vizureanu P.**, Microstructural differences between acid and alkaline activated geopolymers, International Conference on Materials Science & Engineering, BRAMAT 2022, Brasov, Romania, 9-11 Martie, 2022 (prezentare tip poster). 10/6=**1.66 p.** 2.3.4. Baltatu I., Mazilu M.M., Baltatu M.S., Ciubotaru C.V., Vizureanu P., development of new advanced titanium alloy for medical applications, 5th International Conference of the Doctoral School May 18 - 20, 2022, Iasi, Romania (oral presentation). **15/5=3p.**	
	2.4. Lucrări publicate în volumele conferinţelor **a. volume indexate ISI (12,87)** **Realizări:** 2.4.1. V.V. Savinkin, A.V. Sandu, T.Y. Ratushnaya, P. Vizureanu, S.V. Kolisnichenko, M.S. Omarov, Study Of Redistribution Of The Oil Complex Power Drive Ffectiveness For Marginal Wells When Installing Construction Of Recuperative Action Electro Hydro Cylinder, BULLETIN OF THE TOMSK POLYTECHNIC UNIVERSITY-GEO ASSETS ENGINEERING, 332, 2, 2021, pp. 229-244, DOI 10.18799/24131830/2021/02/3058 **50/6=8.33** 2.4.2. 1.Jiménez-Marcos C., Baltatu M.S., Florido-Suárez N.R., Socorro-Perdomo P.P., Vizureanu P., Mirza-Rosca J.C. Mechanical properties and corrosion resistance of two new titanium alloys for orthopaedics applications, Materials Today: Proceedings, 2022. https://doi.org/10.1016/j.matpr.2022.09.394. **50/6=8.33** 2.4.3. 1.Savinkin, VV; Sandu, AV; Ratushnaya, TY; Vizureanu, P; Kolisnichenko, SV; Omarov, MS, STUDY OF REDISTRIBUTION OF THE OIL COMPLEX POWER DRIVE FFECTIVENESS FOR MARGINAL WELLS WHEN INSTALLING CONSTRUCTION OF RECUPERATIVE ACTION ELECTRO HYDRO CYLINDER, BULLETIN OF THE TOMSK POLYTECHNIC UNIVERSITY-GEO ASSETS ENGINEERING, Vol 332, issue 2 , 2021, pp. 229-244, **50/6=8.33** **b. volume indexate BDI (35)** **2.4.c. volume neindexate BDI**	**24.99**
	2.5. Brevete acordate, produse omologate **Realizări:** 2.5.1. VIZUREANU P, Solar furnace for processing materials, has rotary working enclosure provided with metal envelope in which cut with opening is set , where solar radiation collected by solar energy supply system is projected to interior of enclosure, Patent Number(s): RO126961-A2 (60,00) 2.5.2. VIZUREANU P, PREDESCU A, Expert system for the control of thermal systems, consists of a software component loaded in a computer and a hardware component consisting of a parallel programmable interface. Patent Number(s): RO126973-A2 (30,00) 2.5.3. SANDU A V, BEJINARIU C, SANDU I G, VIZUREANU P, SANDU I, BACIU C, VASILACHE V, PROCESS FOR CORROSION-PROTECTION OF IRON PIECES BY PHOSPHATING IN AQUEOUS SYSTEM, Patent Number(s): RO128933-A2 (8,57) 2.5.4. VIZUREANU P, STEFANICA R G, ACHITEI D C, NEJNERU C, PERJU M C, Thermal treatment installation for cyclic ageing of aluminium alloys, Patent Number(s): RO128420-A2 (12,00) 2.5.5. VIZUREANU P, ACHITEI D C, NEJNERU C, PERJU M C, STEFANICA R G, INSTALLATION FOR THERMO-MECHANICAL FATIGUE TESTING OF ALLOYS WITH SHAPE MEMORY, Patent Number(s): RO128422-A2 (12,00) 2.5.6. RAILEANU T, HOPULELE I, FLORESCU A, COMANECI R, BEJINARIU C, SUSAN M, VIZUREANU P, BADARAU G, GRANCEA V, Mould mix moisture content continuous automatic metering technique, Patent Number(s): RO116362-B1 (6,66)	**129,23**
	2.6. Proiecte/ Contracte/ Granturi de cercetare-dezvoltare câştigate prin competiţie 2.6.1. Director pentru Proiectul „Environmental footprint reduction though eco-friendly technologies of mine tailings recycling", COFUND-ERAMIN-3-RecMine, Director proiect: Vizureanu Petrică, Durata proiect: 2022 – 2024; 20x 123750/10000 / 7= 35.35 2.6.2. Director pentru Grant Intern GI / MedTech_ 8 /2022, Aliaje pe bază de titan îmbunătăţite pentru aplicaţii în medicină (MedTit), competiţie organizată în cadrul TUIASI, Director de proiect: Vizureanu Petrica, Valoare proiect:20000lei **10x 20000/10000/3= 6.67**	**42.02**
	2.7. Proiecte/ Contracte/ Granturi de cercetare-dezvoltare încheiate cu institute de cercetare, companii, regii, societăţi comerciale	
	2.8. Creaţii de arhitectură, urbanism, restaurări, design şi arte plastice efectuate prin Universitate	
	2.9. Citări în reviste cotate ISI sau indexate în baze de date internaţionale (BDI) **Realizări (2013-2022): 751 citari ISI - 184 autocitari = 567 citari x 5 = 2835 p** 17+23+25+34+61+77+52+53+150+366 = 858 citari ISI – 185 autocitari = 673 x 5 = 3365	**3365,00**

		
	Citari BDI (2013-2022) : Diferenta = Scopus – WoS = 1037 - 673 = 364 x3p = 1092 p 	**1092,00**
	2.10. Finalizare teză de doctorat 2.10.1. Teza Iustininan Baltatu	**10**
	2.11. Elaborare standarde	
Total punctaj Criteriu 2		**6371.13**
3. Recunoaşterea naţională şi internaţională (minimum: • 15 puncte prof.; • 10 puncte conf.; • 5 puncte ş. l.)	**3.1.** Profesor invitat pentru prelegeri la univ. de prestigiu **Realizări:** 3.1.3. Malaezia iunie 2022	**5**
	3.2. Membru în academii (Academia Română, Academia de Ştiinţe Tehnice, Academia de Ştiinţe Agricole şi Silvice, Academia Oamenilor de Ştiinţă etc.) 3.2.1. Membru asociat ASTR	**50**
	3.3. Doctor Honoris Causa	
	3.4. Membru în societăţi ştiinţifice şi profesionale (AGIR, asociațiile absolvenților etc.) **Realizări:** 3.4.1. ASM International, U.S.A., de la 13.12.2007, legitimaţia nr. 542373 - 10 3.4.2. AGIR, membru, legitimaţia nr. 58516. - 5 3.4.3. Materials Research Society, U.S.A. de la 01.01.2007 - 10 3.4.4. Societatea de Ştiinţe Matematice din România, legitimaţia nr. 227 - 5 3.4.5. Asociaţia Turnătorilor din România – 5 3.4.6. Forumul Inventatorilor Romani - 5 3.4.7. Membru al Societății Române de Biomateriale din 2013 -(5.00)	**50**

	3.4.2 Membru al Asociației Profesionale ModTech Romania - (5.00)	
	3.5. Membru în comisii de doctorat **Realizări:** 3.5.1. Membru in comisia pentru colocviu de admitere – septembrie 2022 – 50 candidați – **50p** 3.5.2. Membru in comisii de doctorat Antonia, Plaiasu, Tierean – **15 p**	**65**
	3.6. Membru în colective de redacție ale revistelor **Realizări:** 3.6.1. member of the Editorial board of the *International Journal on Heat and Mass Transfer - Theory and Applications (IREHEAT* http://www.praiseworthyprize.com/ireheat_editorial_board.htm) - 10. 3.6.2. Revista ATTIS – 10 3.6.3. International Journal of Conservation Science – 10 3.6.4. International Journal of Mining Science – 10 3.6.5. American Journal of Bioengineering and Biotechnology – 10 3.6.6. European Journal of Materials Science and Engineering -10 3.6.7. Coatings - 20	**80**
	3.7. Membru în comitete științifice naționale/ internaționale/ de program (la congrese, conferințe etc.) **Realizări:** 3.7.1. MODTECh 2022 - 10 3.7.2. Romat 2022- 10 3.7.3. Euroinvent 2022 - 10 3.7.4. ICIR 2022 – 10 3.7.5. APMME 2022 – 10 3.7.6. ICCECIP 2022 – 10 3.7.7. Bramat 2022 - 10	**70**
	3.8. Membru în echipe de expertizare / evaluare a cercetării științifice (proiecte CNCS, PNCDI II, FP7, Phare; centre de cercetare etc.) 3.8.1. Cehia – 10p 3.8.2. Danemarca – 3x10p = 30p 3.8.3. Hong Kong – 3x10p = 30p 3.8.4. Polonia – 20x10p = 200p	**270**
	3.9. Membru în echipe de expertizare (evaluare) a procesului educațional (ARACIS, EUA etc.) **Realizări:** 3.9.1. Evaluare program de studii SM Cluj si Mat avansate Targoviste	**10**
	3.10. Membru în consilii naționale de specialitate 3.10.1. Membru Comisia de Ingineria Materialelor – CNATDCU – 15	**15**
	3.11. Organizator de manifestări științifice naționale / internaționale / sesiuni invitate **Realizări:** 3.11.1. EUROINVENT 2022 – (10) 3.11.2. Chairman ICIR EUORINVENT 2022 – 15	**25**
	3.12. Referent științific / expert național și internațional (pentru reviste, congrese etc.) **Realizări:** 3.12.1. IIIS.ORG (4) – 20 pct 3.12.2. 3.12.3. Materials and Design (19) – 190 pct. 3.12.3. Sensors (1) – 10 pct. 3.12.4. IJSR (1) – 5 pct 3.12.5. Coatings (5) – 50 pct 3.12.6. JALCOM (3) – 30 pct 3.12.7. Microstructures (1) – 10 pct. 3.12.8. Lituania – ERD (1) – 10 pct. 3.12.9. Metals (4) – 40 pct. 3.12.10 Biomat Adv (1) – 10 pct. 3.12.11. Materials (97) – 970 pct 3.12.11. COLSUB (1) – 10 pct. 3.12.12. Energy Harv Syst (1) – 10 pct. 3.12.13. Technium (3) – 30 pct. 3.12.14. Mat Chem Physics (5) – 50 pct. 3.12.15. Mat Letters (6) – 60 pct. 3.12.16. ICAI Bulgaria (3) – 30 pct. 3.12.17. Appl Surf Adv (1) – 10 pct. 3.12.18. Nanomaterials (1) – 10 pct. 3.12.19. AMM (6) – 60 pct. 3.12.20. Polymers (12) – 120 pct 3.12.21. J Build Eng (23) – 230 pct. 3.12.22. Sustainability (2) – 20 pct. 3.12.23. JMRST (8) – 80 pct. 3.12.24. Mat Today (1) – 10 pct. 3.12.25. Toxics (1) – 10 pct. 3.12.26. Atm. Poll. Res. (1) – 10 pct. 3.12.27. Hyb Advances (1) – 10 pct. 3.12.28. Molecules (1) – 10 pct. 3.12.29. Acta Geo (1) – 10 pct. 3.12.30. C carbon (1) – 10 pct.	**2135**
	3.13. Membru în comisii de concurs pentru posturi didactice universitare **Realizări:** 3.13.1. Membru în comisia de concurs pentru ocuparea postului de profesor/conferentiar (Brasov	**15**

	x 2) – 10 pct 3.13.2.. Membru in comisia de inventariere – 5 pct.	
	3.14. Membru în jurii, comisii, concursuri profesionale 3.14.1. Preşedinte al Comisiei de inventariere anuală pentru Departamentul IMSI 3.14.2. Preşedinte al Comisiei de inventariere anuală pentru Departamentul TEPM	**10**
	3.15. Cercetător invitat pentru activităţi de cercetare în universităţi/firme de prestigiu	
	3.16. Cadru didactic invitat în programe ERASMUS (prelegeri) 3.16.1. Universiti Malaysia Perlis – 5 pct. 3.16.2. Obuda University Budapesta, Ungaria – 5 pct.	**10**
	3.17.Cadru didactic care gestioneaza acorduri bilaterale ERASMUS 3.17.1. Acord Universiti Perlis Malaysia 2017-2022 3.17.2. Acord Israel 2017-2022 3.17.3. Acord Taiwan 2017-2022 3.17.4. Acord Univiersiti Terengannu Malaysia 2017-2022 3.17.5. Acord Universite IBN TOFAIL, Benil Mellall, Maroc, 2020-2025 3.17.6. Acord Nagoya University, Japonia, 2019-2024 3.17.7. Acord Brazilia, 2020-2024 3.17.8. Acord Argentina, 2020-2024 3.17.9. Acord Polonia, Szcseczin 2019-2024 3.17.10. Acord Polonia, Kazimir University, 2019-2024 3.17.11. Acord Ungaria, Obuda University, 2019-2024	**55**
	3.18. Premii **Realizări:** **23p x 20 = 460**	**460**

2022	**Premiu special**	**EUROINVENT 2022**	**Vizureanu P., Sandu A.V., Burduhos-Nergis D.D.**
2022	Medalia de aur	INOVA Croatia 2022	Tugui C.A., **Vizureanu P.**, Sandu A.V.
2022	Medalia de argint	3rd Beirut International Innovation Show – BIIS 2022, 31 May 2022	Burduhos Nergis D.D., **Vizureanu P.**, Corbu O.C., Abdullah M.M.A.B., Sandu A.V.
2022	Medalia de aur	3rd Beirut International Innovation Show – BIIS 2022, 31 May 2022	Geanta V., Voiculescu I., Stefanoiu R., Binchiciu H., **Vizureanu P.**, Kelemen H., Codescu M.M., Sandu A.V., Baltatu M.S., Marinescu V.E.
2022	Medalia de aur	EUROINVENT BOOK SALON 2022	Burduhos-Nergis D.D., Burduhos-Nergis D.P., Baltatu M.S., **Vizureanu P.**
2022	Medalia de aur	EUROINVENT BOOK SALON 2022	Burduhos-Nergis D.P., Burduhos-Nergis D.D., Baltatu M.S., **Vizureanu P.**
2022	Medalia de aur	EUROINVENT BOOK SALON 2022	Baltatu M.S., Burduhos-Nergis D.D., Burduhos-Nergis D.P., **Vizureanu P.**
2022	Medalia de argint	EUROINVENT BOOK SALON 2022	Minciuna M.G., **Vizureanu P.**, Baltatu M.S.
2022	Diploma de excelenta	PROINVENT 2022, Cluj Napoca	Tugui C.A., **Vizureanu P.**, Sandu A.V.
2022	Premiu special	PROINVENT 2022, Cluj Napoca	**Vizureanu P.**, Burduhos-Nergis D.D., Sandu A.V.
2022	Diploma de excelenta	PROINVENT 2022, Cluj Napoca	**Vizureanu P.**, Burduhos-Nergis D.D., Sandu A.V.
2022	Medalia de aur	5th China (Shanghai) International Exhibition of Inventions	Geanta V., Voiculescu I., Stefanoiu R., Binchiciu H., **Vizureanu P.**, Kelemen H., Codescu M.M., Sandu A.V., Baltatu M.S., Marinescu V.E.
2022	Medalia de aur	INVENTCOR, DEVA, 15-17.12.2022	**Vizureanu P.**, Burduhos-Nergis D.D., Sandu A.V.
2022	Premiu de Excelenta	Innovation Week IWA 2022	Geanta V., Voiculescu I., Stefanoiu R., Binchiciu H., **Vizureanu P.**, Kelemen H., Codescu M.M., Sandu A.V., Baltatu M.S., Marinescu V.E.
2022	Medalia de aur	Innovation Week IWA 2022	Geanta V., Voiculescu I., Stefanoiu R., Binchiciu H., **Vizureanu P.**, Kelemen H., Codescu M.M., Sandu A.V., Baltatu M.S., Marinescu V.E.
2022	Medalia de argint	ICE-USV 2022/iulie 2022	Geanta V., Voiculescu I., Stefanoiu R., Binchiciu H., **Vizureanu P.**, Kelemen H., Codescu M.M., Sandu A.V., Baltatu M.S., Marinescu V.E.
2022	Medalia de bronz	ICE-USV 2022/iulie 2022	Tugui C.A., **Vizureanu P.**, Sandu A.V.
2022	Medalia de aur	INTARG 2022	Geanta V., Voiculescu I., Stefanoiu R., Binchiciu H., **Vizureanu P.**, Kelemen H., Codescu M.M., Sandu A.V., Baltatu M.S., Marinescu V.E.
2022	Medalia de aur	ITE 2022, International Ivention&Trade Expo London	Tugui C.A., **Vizureanu P.**, Sandu A.V.
2022	Medalia de aur	WICO World Invention Creativity Olympic / 04 - 06 August 2022	Tugui C.A., **Vizureanu P.**, Sandu A.V.
2022	Medalia de argint	iCAN 2022, International Invention Innovation Competition in Canada, 27 Septembrie 2022	Tugui C.A., **Vizureanu P.**, Sandu A.V.
2022	Best Global Innovator 2022	Innovation Week IWA 2022	**Vizureanu P.**
2022	Master of Innovation	Innovation Week IWA 2022	**Vizureanu P.**

Total punctaj Criteriu 3		**3325**
4. Activitatea cu studenţii (minimum: • 10 puncte prof.; • 7 puncte conf.; • 5 puncte ş.l.)	4.1. Conducere cercuri ştiinţifice studenţeşti Realizări: 2 x 3=6	**6**
	4.2. Pregătire pentru concursuri profesionale (pentru fazele naţională şi internaţională)	
	4.3. Conducere lucrări de absolvire[2)], licenţă (diplomă), disertaţie, doctorat ((inclusiv cotutelă, membri în echipa de îndrumare) **Realizări:** 4.3.1. 5 lucrări de licenţă (**3x5=15p**) 4.3.2. 5 lucrări de dizertaţie (**5x5=25p**)	**40**
	4.4. Îndrumare ani de studii	
	4.5. Organizarea de excursii de studii, prezentarea ofertei educaţionale a universităţii în licee	
	4.6. Activităţi cu studenţi ERASMUS	

Total punctaj Criteriu 4		**46**
5. Activitatea în comunitatea academică (minimum: • 15 puncte prof.; • 10 puncte conf.); • 5 puncte ș.l.;	**5.1.** Participare la mese rotunde, dezbateri organizate la nivelul facultății/ universității etc. 5.1.1. Workshop pentru Proiectul „Environmental footprint reduction though eco-friendly technologies of mine tailings recycling", COFUND-ERAMIN-3-RecMine, Director proiect: Vizureanu Petrică: 12 Mai 2022 **5 x 1 = 5.00**	**5**
	5.2. Activitate în comisii **Realizări:** 5.2.1. Consiliu departament - 3 5.2.2. Comisie de licenta EPI, Comisie master SITM – 6 5.2.3. Consiliu facultate – 5	**14**
	5.3. Coordonare programe de studii de licență/ masterat/ postuniversitare de formare continuă **Realizări:** 5.3.1. Coordonator program de studii EPI – 5 5.3.2. Coorodnator domeniu Ingineria Mecanica, program de master SITM – 5	**10**
Total punctaj Criteriu 5		**29,00**
Total punctaj Criterii 1-5		**9922,03**
6. Evaluarea de către Directorul de Departament (0-50 puncte)	**Justificări:** • .....; • .....; •	**50**
Total general		**9972,03**

Data: 28.06.2023

	Funcție didactică/ Nume și prenume	**Semnătura**
Director Departament	**Prof. univ. dr. ing. Petrică VIZUREANU**	
Cadru didactic evaluat	**Prof. univ. dr. ing. Petrică VIZUREANU**	

UNIVERSITATEA TEHNICĂ „GHEORGHE ASACHI" DIN IAŞI

FACULTATEA DE ŞTIINŢA ŞI INGINERIA MATERIALELOR

DEPARTAMENTUL DE TEHNOLOGII ŞI ECHIPAMENTE PENTRU PROCESAREA MATERIALELOR

FIŞA DE AUTOEVALUARE Şi DE EVALUARE DE CĂTRE DIRECTORUL DE DEPARTAMENT

(pentru activitatea în departamentul de încadrare conform contractului de muncă)

Numele şi prenumele cadrului didactic evaluat	**VIZUREANU PETRICĂ**
Funcţia didactică	**PROFESOR**

Criteriul de evaluare	Indicatori de performanţă (cu explicitarea modului de calcul a punctajului pentru fiecare realizare, conf. Anexa 1)	Punctaj
1. Activitate didactică (minimum: • 30 puncte prof.; • 15 puncte conf.; • 10 puncte ş.l.; • 5 puncte as.)	**1.1.** Predare discipline/ cursuri noi în planul de învăţământ, pe direcţii neelaborate anterior (se punctează nr. de discipline noi) 1.1.1. Sisteme neconventionale pentru tehnologii moderne, anul II, SITM **20p** 1.1.2. Curs – Materiale ceramice **20 p** 1.1.3 Curs - Utilaje pentru ingineria materialelor **20p**	**60**
	1.2. Elaborare manuale universitare (inclusiv în sistem e-learning) 1.2.1. **Vizureanu P.**, Baltatu M.S., Titanium-Based Alloys for Biomedical Applications, editura Materials Research Forum LLC, volume 74 (2020) ISSN 2471-8890, 160 pag. **40 x(160/100)/2= 32p** 1.2.2. **Petrică Vizureanu,** Mădălina Simona Bălţatu, Andrei Victor Sandu, Chapter title: Development of New Advanced Ti-Mo Alloys for Medical Applications, IntechOpen Books, 2020 DOI: http://dx.doi.org/10.5772/intechopen.91906, 19 pag. **40x(19/100)/4 =2,53p** 1.2.3. Liyana Jamaludin, Mohd Mustafa Al Bakri Abdullah, Shamala A.P. Ramasamy, Petrica Vizureanu, Chapter 8: Geopolymers as Coating Material, in Book Title: Geopolymers: Properties and Applications 1st Edition, CRC Press; 1st edition 2024, ISBN-10 : 1032486716, ISBN-13 : 978-1032486710, pages :96-110. **40x(14/100)/5 =1,12p** 1.2.4. Vizureanu P., Burduhos Nergis D.D., Sandu A.V., Burduhos Nergis D.P., Baltatu M.S., The Physical and Mechanical Characteristics of Geopolymers Using Mine Tailings as Precursors, IntechOpen, 2021, DOI: 10.5772/intechopen.97807 **40x(21/100)/5=1,68p** 1.2.5. Vizureanu P., Bălţatu M.S., Sandu A.V., Achitei D.C., Burduhos Nergis D.D., Perju M.C., New Trends in Bioactive Glasses for Bone Tissue: A review, Current Concepts in Dental Implantology - From Science to Clinical Research, IntechOpen, 2021, DOI: http://dx.doi.org/10.5772/intechopen.100567 23 pag. **40x(23/100)/6 =1,53p** 1.2.6. Vizureanu P., Burduhos-Nergis D.D., Green Materials Obtained by Geopolymerization for a Sustainable Future, editura Materials Research Forum LLC, vol. 90 (2021) ISBN 978-1-64490-112-0, 212 pag. **40 x(212/100)/2= 42,4p** 1.2.7. Vizureanu P., Bălţatu M.S., Sandu A.V., Achitei D.C., Burduhos Nergis D.D., Perju M.C., Assessment of Solar Energy Potential Limits within Solids on Heating-Melting Interval, Capitol IntechOpen, 2022 (DOI: 10.5772/intechopen.104847) **40x(25/100)/6 = 1,66 p** 1.2.8. Dumitru Doru Burduhos-Nergis, Petrica Vizureanu, Andrei Victor Sandu, Rafiza Abdul Razak, Romisuhani Ahmad, Chapter 1: Bibliometric Analysis of Research Trends in Geopolymers, in Book Title: Geopolymers: Properties and Applications 1st Edition, CRC Press; 2024, ISBN-10 : 1032486716, ISBN-13 : 978-1032486710, pages :1-17. **40x(17/100)/5 =1,36p** 1.2.9. Andrei Victor Sandu, Dumitru Doru Burduhos-Nergis, Petrica Vizureanu, Mohd Mustafa Al Bakri Abdullah, Liyana Jamaludin. Chapter 2: Geopolymers Overview, in Book Title: Geopolymers: Properties and Applications 1st Edition, CRC Press; 1st edition 2024, ISBN-10 : 1032486716, ISBN-13 : 978-1032486710, pages :18-41. **40x(23/100)/5 =1,84p** 1.2.10. Rafiza Abdul Razak, Alida Abdullah, Mohd Mustafa Al Bakri Abdullah, Petrica Vizureanu, Eva Arifi, Andrei Victor Sandu, Chapter 4: Geopolymer Lightweight Aggregate in Book Title: Geopolymers: Properties and Applications 1st Edition, CRC Press; 1st edition 2024, ISBN-10 : 1032486716, ISBN-13 : 978-1032486710, pages :52-61. **40x(9/100)/6 =0,6p**	**86,72**
	1.1. Elaborare suporturi de cursuri, seminarii, laboratoare, proiecte	
	1.2. Elaborare manuale şi alte materiale pentru învăţământul preuniversitar	
	1.3. Modernizare tehnologie didactică din alte surse decât din cele publice (donaţii, sponsorizări etc.)	

Total punctaj Criteriu 1		**146,72**
2. Cercetarea ştiinţifică (minimum: • 150 puncte prof.; • 100 puncte conf.; • 60 puncte ş.l.; • 30 puncte asist.)	**2.1.** Elaborare cărţi/ monografii/ tratate **Realizări:** 2.1.1. **Vizureanu, P.,** - editor, Latest Research on Energy Recovery, Intech Open, 2023, 150 pag. ISBN 978-1-80355-610-9 **50x(150/100)/1=75 p** 2.1.2. **Vizureanu, P.** – editor, Thermodynamics and Energy Engineering, Intech Open, 2020, ISBN 978-1-83880-569-2, DOI: 10.5772/intechopen.79004, 257 pag.. **50x(257/100)=128,5** **2.1.3.** Minciuna M.G., Vizureanu P., Baltatu M.S., Sisteme Moderne Pentru Aplicații Medicale, Editura PIM, 2022, 135 pagini **20 x (135/100) / 3 = 9 p** 2.1.4. Baltatu M.S., Burduhos-Nergis D.D., Burduhos-Nergis D.P., **Vizureanu P.**, Advanced Metallic Biomaterials, Materials Research Foundations Vol. 118, 162 Pages, Print ISBN 978-1-64490-176-2, DOI: 10.21741/9781644901779 **50 x(162/100)/4 = 20,25 p** 2.1.5. Burduhos-Nergis D.P., Burduhos-Nergis D.D., Baltatu M.S. , **Vizureanu P.**, Advanced Coatings for the Corrosion Protection of Metals, Material Research Forum, USA (ISBN 978-1-64490-166-3), 152 p., DOI: 10.21741/9781644901670. **50 x(152/100)/4 = 19,0 p** 2.1.6. Burduhos-Nergis D.D., Burduhos-Nergis D.P., Baltatu M.S., **Vizureanu P.**, Ceramics and Composites, Preparation and Applications, Materials Research Foundations, vol. 117, ISBN 978-1-64490-170-0, doi: 10.21741/9781644901717. **50 x(117/100)/4 = 14,63 p** 2.1.7. **Vizureanu, P.** – editor, Botelho C.M.D.C.F.- co-editor, Biomaterials, Intech Open, 2020, ISBN: 978-1-78984-465-8, DOI: 10.5772/intechopen.87369, 149 pag. , **50x(149/100)/2=37,25** 2.1.8. T.Y. Ratushnaya, V.V. Savinkin, A.V. Sandu and **P. Vizureanu**, Technologies for Plasma Renovation of the Phase Structure of Substandard Turbine Blades of CHP, Materials Research Foundations Vol. 150, Publication Date 2023, 98 Pages, Print ISBN 978-1-64490-264-6 (release date September 2023), ePDF ISBN 978-1-64490-265-3, DOI: https://doi.org/10.21741/9781644902653 **50x(98/100)/4=12,5 p** 2.1.9. **Petrica Vizureanu,** Editor, Future Trends in Advanced Materials and Processes, Published in Materials February 2023, 352 pages, ISBN 978-3-0365-6470-8 (hardback); ISBN 978-3-0365-6471-5 (PDF), https://doi.org/10.3390/books978-3-0365-6471-5. **50x(352/100)/1=172 p** 2.1.10. Sandu A.V., **Vizureanu P.**, Bakri Abdullah M.M.A. , Nabialek M., Arif Zainol M.R.R.M., Sandu I. (editors), Selected Papers from International Conference on Innovative Research ICIR EURINVENT 2024, Springer Proceedings in Materials, ISBN 978-3-031-81197-5 **50x(99/100)/6=8,25** 2.1.11. Sandu A.V., **Vizureanu P.**, Bakri Abdullah M.M.A. , Nabialek M.,Ghazali C.M.R., Sandu I. (editors), Selected Papers from International Conference on Innovative Research ICIR EURINVENT 2024, Springer Proceedings in Materials, ISBN 978-3-031-81197-5 **50x(216/100)/6=18,00** 2.1.12. Shayfull Zamree Abd Rahim, Mohd Mustafa Al Bakri Abdullah, Shafiq Ishak, Romisuhani Ahmad, and **Petrica Vizureanu**, Chapter 3, Geopolymer Prepared from Non-ferrous Metallurgical Slags: Synthesis, Mechanism and Microstructure, Book: Mining and Metallurgical Wastes Based Alkali-Activated Materials, Springer 2024 19 pag, **50(19/100)/5=1,90** 2.1.13. Rafiza Abd Razak, **Petrica Vizureanu**, Mohd Mustafa Al Bakri Abdullah, Rosnita Mohamed, and Dickson Ling Chuan Hao, Chapter 6 Durability Testing Protocols for Concrete Made with Alternative Binders and Recycled Materials, 15 pag. **50(15/100)/5=1,50** 2.1.14. **Petrica Vizureanu,** Mohd Mustafa Al Bakri Abdullah, Rafiza Abdul Razak, Dumitru Doru Burduhos-Nergis, Liew Yun-Ming and Andrei Victor Sandu (editors), Book: Geopolymers: Properties and Applications, CRC PRESS Taylor &Francis Group, 2024, ISBN-10 : 1032486716, ISBN-13 : 978-1032486710, **50(151/100)/6=12,58** 2.1.15. M.S. BALTATU, **P. VIZUREANU**, A.V. SANDU, D.C. ACHITEI, M.C. PERJU, D.D. BURDUHOS-NERGIS and M. BENCHEA, Titanium – A Versatile Metal in Modern Applications, Titanium-Based Alloys - Characteristics and Applications, 2024, 21 p. DOI: 10.5772/intechopen.1005742 **50x(21/100)/7 =1,50** 2.1.16. M.C. SPATARU, M.S. BALTATU, A.V. SANDU, **P. VIZUREANU**, General Trends on Biomaterials Applications: Advantages and Limitations, in Novel Biomaterials for Tissue Engineering, 2024, 25 p. DOI: 10.5772/intechopen.114838 **50x(25/100)/4 =3,12** 2.1.17. **P. VIZUREANU**, M.S. BALTATU, A.V. SANDU, Novel Titanium Alloys for Tissue Engineering, in Novel Biomaterials for Tissue Engineering, 2024, 26 p. DOI: 10.5772/intechopen.112763 **50x(26/100)/3 =4,33** 2.1.18. Baltatu I., Baltatu M.S., Vizureanu P., Tendințe noi în dezvoltarea aliajelor biocompatibile pe bază de titan, Editura PIM, 2024, ISBN 978-606-13-8844-8, 135 pagini **20x(135/100)/3 =9,00** 2.1.19. **Vizureanu P.**, Baltatu M.S. (editors), Titanium-Based Alloys - Characteristics and Applications, London, IntechOpen, Published24 July 2024, Doi10.5772/intechopen.1001617, ISBN978-0-85466-820-5, Print ISBN978-0-85466-821-2, eBook (PDF) ISBN978-0-85466-822-9, Copyright year2024, Number of pages200 **50x(200/100)/2 =50,00** 2.1.20. **Vizureanu P.**, Baltatu M.S. (editors), Novel Biomaterials for Tissue Engineering, London, IntechOpen, 2024, DOI 10.5772/intechopen.110991, ISBN 978-1-83769-229-3, PRINT ISBN 978-1-83769-228-6, NUMBER OF PAGES 186, PART OF THE BOOK SERIES Biomedical Engineering **50x(186/100)/2 =46,50** 2.1.21. Baltatu M.S., **Vizureanu P.**, Sandu A.V., Advances in New Functional Biomaterials for Medical Applications, 2024, Special Issue Advances in Crystals, https://doi.org/10.3390/books978-3-7258-0961-5, 166 pagini **50x(166/100)/3 =27,66**	**672,47**
	2.2. Articole publicate în reviste de specialitate a. reviste cotate ISI Realizări: 1. Hashim, A.N.; Salleh, M.A.A.M.; Ramli, M.M.; Abdullah, M.M.A.; Sandu, A.V.; **Vizureanu, P.** The behavior of Sn whisker growth on Sn-0.7Cu-0.05Ni solder joint during thermal cycling, JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, 2024, 35, 32, Article Number 2059, DOI: 10.1007/s10854-024-13805-9 F.I. 2.8 **(30 + 40 x 2.8)/6=**	**2849,47**

23.6

2. **Vizureanu, P.**; Deák, G.; Burduhos Nergis, D.D.; Sandu, A.V. Remedial Solutions And Conservation Of Marine Environments: A Review, INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE, 2024, 15, 4, p. 1841 - 1854, DOI: 10.36868/IJCS.2024.04.16 F.I. 0.6 **(30 + 40 x 0.6)/4= 13.5**

3. Azani, A.; Halin, D.S.C.; Salleh, M.A.A.M.; Razak, K.A.; Abdullah, M.M.A.; Ramli, M.M.; **Vizureanu, P.**; Razak, M.F.S.A.; Sandu, A.V.; Mohamad, N., Surface Modification of GO/TiO2 Thin Film by Sodium Dodecyl Sulphate for Photocatalytic Applications, JOM, 2024, DOI10.1007/s11837-024-06694-0 F.I. 2.1 **(30 + 40 x 2.1)/10= 11,40**

4. Saberi, A.; Baltatu, M.S.; Vizureanu, P. Recent Advances in Magnesium–Magnesium Oxide Nanoparticle Composites for Biomedical Applications. *Bioengineering* **2024**, *11*, 508. https://doi.org/10.3390/bioengineering11050508 **(30+40 x 3,8)/3= 60,66**

5. Saberi, A.; Baltatu, M.S.; Vizureanu, P. The Effectiveness Mechanisms of Carbon Nanotubes (CNTs) as Reinforcements for Magnesium-Based Composites for Biomedical Applications: A Review. *Nanomaterials* **2024**, *14*, 756. https://doi.org/10.3390/nano14090756 **(30+40 x 4,4)/3= 68,66**

6. Baltatu, M.S.; Vizureanu, P.; Sandu, A.V. Advances in New Functional Biomaterials for Medical Applications. *Crystals* **2024**, *14*, 334. https://doi.org/10.3390/cryst14040334 **(30+40 x 2,4)/3= 42,00**

7. Ilieva, D.; Angelova, L.; Radoykova, T.; Surleva, A.; Chernev, G.; **Vizureanu, P.**; Burduhos-Nergis, D.D.; Sandu, A.V. Characterization of Bulgarian Copper Mine Tailing as a Precursor for Obtaining Geopolymers. MATERIALS 2024, 17, 542. https://doi.org/10.3390/ma17030542 F.I.:3.1 **(30 + 40 x 3.1)/8 =19.2**

8. Rosnita Mohamed, Rafiza Abd Razak, Mohd Mustafa Al Bakri Abdullah, Shayfull Zamree Abd Rahim, Nurul Aida Mohd Mortar, Jitrin Chaiprapa, Somchai Tancharakorn, Md Azree Othuman Mydin, **Petrica Vizureanu**, Elucidation on alkali activation of slag with various solid-to-liquid ratios via heat evolution, Journal of Building Engineering, Volume 84, 2024, 108639, ISSN 2352-7102, https://doi.org/10.1016/j.jobe.2024.108639. F.I.: 6.7 **(30 + 40 x 6.7)/9 =33,11**

9. L. Tóth, R.E. Fábián, P. Pinke, T.A. Kovács, M. Nabiałek, A.V. Sandu, **P. Vizureanu**, Comparison of the Properties of Cold Work Tool Steels with the Same Hardness but Different Manufacturing Processes The required important properties, **ARCHIVES OF** METALLURGY AND MATERIALS, 69, 3, 2024, 809-817, DOI: https://doi.org/10.24425/amm.2024.150900 . **F.I. 0.7 (30 + 40 x 0.7)/7 = 8,30**

10. Anuar, AI; Parimin, N; Ahad, NA; Derman, MN; Garus, S; Vizureanu, P, HIGH TEMPERATURE ISOTHERMAL OXIDATION AT 950°C OF Ni-BASED Fe-40Ni-24Cr ALLOY, ARCHIVES OF METALLURGY AND MATERIALS, Volume 69, Issue 3, Page 1191-1198, DOI10.24425/amm.2024.150942, **F.I. 0.7 (30 + 40 x 0.7)/6 = 9,66**

11. Zaiton, N. A. Z., Parimin, N., Hayazi, N. F., Zainal, F. F., Garus, S., Vizureanu, P., EFFECT OF HEAT TREATMENT TEMPERATURE ON ISOTHERMAL OXIDATION OF Ni-BASED Fe-33Ni-19Cr ALLOY, ARCHIVES OF METALLURGY AND MATERIALS, Volume 69, Issue 2, Page 747-752, DOI10.24425/amm.2024.149806 **F.I. 0.7 (30 + 40 x 0.7)/6 = 9,66**

12. Garus, S; Sochacki, W.; Garus, J.; Rzacki, J.; **Vizureanu, P.**; Sandu, AV., Transmission of a Phononic Superlattice Made of Dynamic Materials, ACTA PHYSICA POLONICA A, 144, 5, 2023, 317-321; 10.12693/APhysPolA.144.317 F.I.:0.5 **(30 + 40 x 0.5)/6 =8,30**

13. Baltatu, M.S.; Vizureanu, P.; Sandu, A.V.; Solcan, C.; Hritcu, L.D.; Spataru, M.C. Research Progress of Titanium-Based Alloys for Medical Devices. Biomedicines 2023, 11, 2997. https://doi.org/10.3390/biomedicines11112997 **F.I. 3.9 (30 + 40 x 3.9)/6= 31,00**

14. Baltatu, M.S.; Vizureanu, P.; Sandu, A.V. Special Issue on Modern Biomaterials: Latest Advances and Prospects. Appl. Sci. 2023, 13, 11450. https://doi.org/10.3390/app132011450 **F.I. 2.5 (30+40 x 2.5)/3= 43,33**

15. Nurul Aqilah Mohamad , Sofiah Hamzah EMAIL logo , Nur Hanis Hayati Hairom , Mohd Salleh Amri Zahid , Khairol Annuar Mohd Ali , Che Mohd Ruzaidi Ghazali , Andrei Victor Sandu EMAIL logo , Mohd Mustafa al Bakri Abdullah, Petrica Vizureanu, Poly-ferric sulphate as superior coagulant: A review on preparation methods and properties, REVIEWS ON ADVANCED MATERIALS SCIENCE, https://doi.org/10.1515/rams-2022-0327) **F.I. 3.6 (30 + 40 x 3.6)/9=19.3**

16. Mustapa, N.B.; Ahmad, R.; Al Bakri Abdullah, M.M.; Ibrahim, W.M.W.; Sandu, A.V.; Nemes, O.; Vizureanu, P.; Kartikowati, C.W.; Risdanareni, P. Effect of the Sintering Mechanism on the Crystallization Kinetics of Geopolymer-Based Ceramics. Materials 2023, 16, 5853. https://doi.org/10.3390/ma16175853 **F.I. 3.1 (30 + 40 x 3.1)/9= 17,10**

17. Oláh, A.; Machedon-Pisu, T.; Vizureanu, P. Wearing Resistance of Metal Coating Layers after Laser Beam Heat Treatment. Coatings 2023, 13, 1645. https://doi.org/10.3390/coatings13091645 **F.I. 2.9 (30+40 x 2,9)/3= 48,66**

18. Dumitru Doru Burduhos-Nergis, Petrica Vizureanu, Andrei Victor Sandu, Nicanor Cimpoeşu, MECHANICAL PERFORMANCE OF FLY ASH BLENDED GEOPOLYMER COMPOSITE REINFORCED WITH RECYCLED GLASS FIBERS, Environmental Engineering and Management Journal August 2023, Vol. 22, No. 8, 1329-1339, http://www.eemj.icpm.tuiasi.ro/; http://www.eemj.eu, http://doi.org/10.30638/eemj.2023.110 **F.I. 0.9 (30 + 40 x 0.9)/4= 16,50**

19. Jimenez-Marcos, C.; Mirza-Rosca, J.C.; Baltatu, M.S.; Vizureanu, P. Effect of Si Contents on the Properties of Ti15Mo7ZrxSi Alloys. Materials 2023, 16, 4906. https://doi.org/10.3390/ma16144906 **F.I. 3.1 (30+40 x 3,1)/4= 38,5**

20. Wei, L.K.; Abd Rahim, S.Z.; Al Bakri Abdullah, M.M.; Yin, A.T.M.; Ghazali, M.F.; Omar, M.F.; Nemeş, O.; Sandu, A.V.; Vizureanu, P.; Abdellah, A.E.-h. Producing Metal Powder from Machining Chips Using Ball Milling Process: A Review. Materials 2023, 16, 4635. https://doi.org/10.3390/ma16134635 **F.I. 3.1 (30 + 40 x 3.1)/10= 15.4**

21. Kong, L.; Heydari, Z.; Lami, G.H.; Saberi, A.; Baltatu, M.S.; Vizureanu, P. A

Comprehensive Review of the Current Research Status of Biodegradable Zinc Alloys and Composites for Biomedical Applications. Materials 2 023, 16, 4797. https://doi.org/10.3390/ma16134797 **F.I. 3.1 (30+40 x 3,1)/6= 25,66**

22. Lai, Di Sheng, Osman, Azlin Fazlina, Adnan, Sinar Arzuria, Ibrahim, Ismail, Sandu, Andrei Victor, Rahim, Shayfull Zamree Abd and Vizureanu, Petrica. "The role of natural hybrid nanobentonite/nanocellulose in enhancing the water resistance properties of the biodegradable thermoplastic starch" e-Polymers, vol. 23, no. 1, 2023, pp. 20230014. https://doi.org/10.1515/epoly-2023-0014 **F.I. 3.2 (30 + 40 x 3.2)/6= 26.3**
23. Amli, S.F.M.; Salleh, M.A.A.M.; Aziz, M.S.A.; Yasuda, H.; Nogita, K.; Abdullah, M.M.A.B.; Nemes, O.; Sandu, A.V.; Vizureanu, P. Effects of Multiple Reflow on the Formation of Primary Crystals in Sn-3.5Ag and Solder Joint Strength: Experimental and Finite Element Analysis. Materials 2023, 16, 4360. https://doi.org/10.3390/ma16124360 **F.I. 3.1 (30 + 40 x 3.1)/9= 17.1**
24. Mustapa, N.B.; Ahmad, R.; Ibrahim, W.M.W.; Abdullah, M.M.A.B.; Wattanasakulpong, N.; Nemeș, O.; Sandu, A.V.; Vizureanu, P.; Sandu, I.G.; Kartikowati, C.W.; et al. Effect of Sintering Mechanism towards Crystallization of Geopolymer Ceramic—A Review. Materials 2023, 16, 4103. https://doi.org/10.3390/ma16114103 **F.I. 3.1 (30 + 40 x 3.1)/9= 17.1**
25. Nejneru, C.; Cimpoesu, R.; Vizureanu, P.; Epure, E.-L.; Perju, M.C.; Lupescu, Ș.-C. Study on the Thermal Fatigue Effect of Carboxymethylcellulose Solution Media Dissolved in Water as a Quenching Cooling Medium. Appl. Sci. 2023, 13, 6021. https://doi.org/10.3390/app13106021 **F.I. 2.5 (30+40 x 2,5)/6= 21,66**
26. Benea, L.; Ravoiu Lupu, A.; Bounegru, I.; Vizureanu, P. Effect of Functional Nanoporous TiO2 Film Obtained on Ti6Al4V Implant Alloy to Improve Resistance in Biological Solution for Inflammatory Conditions. Int. J. Mol. Sci. 2023, 24, 8529. https://doi.org/10.3390/ijms24108529 IF:5,6 **F.I. 4.9 (30+40 x 4,9)/4= 56,5**
27. Lates, C.G.; Dumitras, C.G.; Vizureanu, P.; Sandu, A.V. Heat Transfer Optimization of an Electronic Control Unit Immersed in Forced Liquid Coolant. Appl. Sci. 2023, 13, 5310. https://doi.org/10.3390/app13095310 **F.I. 2.5 (30 + 40 x 2.5)/4= 32.5**
28. Saleh, S.S.M.; Omar, M.F.; Akil, H.M.; Kudus, M.H.A.; Abdullah, M.M.A.B.; Sandu, A.V.; Vizureanu, P.; Halim, K.A.A.; Rasidi, M.S.M.; Mahamud, S.N.S.; et al. Preparation of Carbon Nanotubes/Alumina Hybrid-Filled Phenolic Composite with Enhanced Wear Resistance. Materials 2023, 16, 2772. https://doi.org/10.3390/ma16072772 **F.I. 3.1 (30 + 40 x 3.1)/12=12.8**
29. Savinkin, V.V.; Ivanova, O.V.; Zhumekenova, Z.Z.; Sandu, A.V.; Vizureanu, P. Effect of New Design of the Laser Installation and Spraying Method on the Physical and Mechanical Properties the Inner Surface a Small Diameter Coated with 15Cr17Ni12V3F35ZrO2. Coatings 2023, 13, 514. https://doi.org/10.3390/coatings13030514 **F.I. 2.9 (30 + 40 x 2.9)/5= 29.2**
30. Chiriac, G.-G.; Dumitraș, C.G.; Chitariu, D.F.; Vizureanu, P.; Sandu, A.V. Influence of Gravity on Passively Cooled Heat Sink Using Experimental Data and Finite Element Analysis. Processes 2023, 11, 896. https://doi.org/10.3390/pr11030896 **F.I. 2.8 (30 + 40 x 2.8)/5= 28.4**
31. Hashim, A.N.; Salleh, M.A.A.M.; Ramli, M.M.; Abdullah, M.M.A.B.; Sandu, A.V.; Vizureanu, P.; Sandu, I.G. Effect of Isothermal Annealing on Sn Whisker Growth Behavior of Sn0.7Cu0.05Ni Solder Joint. Materials 2023, 16, 1852. https://doi.org/10.3390/ma16051852 **F.I. 3.1 (30 + 40 x 3.1)/7= 22,00**
32. Redzuan, S.N.; Noor, N.M.; Rahim, N.A.A.A.; Jafri, I.A.M.; Baidrulhisham, S.E.; Ul-Saufie, A.Z.; Sandu, A.V.; Vizureanu, P.; Zainol, M.R.R.M.A.; Deák, G. Characteristics of PM10 Level during Haze Events in Malaysia Based on Quantile Regression Method. Atmosphere 2023, 14, 407. https://doi.org/10.3390/atmos14020407 **F.I. 2.5 (30 + 40 x 2.5)/10= 13,00**
33. Ibrahim, W.M.A.W.; Abdullah, M.M.A.B.; Jamil, N.H.; Mohamad, H.; Salleh, M.A.A.M.; Sandu, A.V.; Vizureanu, P.; Baltatu, M.S.; Sukmak, P. Alkaline-Activation Technique to Produce Low-Temperature Sintering Activated-HAp Ceramic. Appl. Sci. 2023, 13, 2643. https://doi.org/10.3390/app13042643 **F.I. 2.5 (30 + 40 x 2.5)/9= 14.4**
34. Mydin, M.A.O.; Abdullah, M.M.A.B.; Razak, R.A.; Nawi, M.N.M.; Risdanareni, P.; Puspitasari, P.; Sandu, A.V.; Baltatu, M.S.; Vizureanu, P. Study on Polypropylene Twisted Bundle Fiber Reinforced Lightweight Foamed Concrete. Buildings 2023, 13, 541. https://doi.org/10.3390/buildings13020541 **F.I. 3.1 (30 + 40 x 3.1)/9=17.1**
35. Jamaludin, L.; Razak, R.A.; Al Bakri Abdullah, M.M.; Vizureanu, P.; Sandu, A.V.; Abd Rahim, S.Z.; Ahmad, R. Solid-to-Liquid Ratio Influenced on Adhesion Strength of Metakaolin Geopolymer Coating Paste Added Photocatalyst Materials. Coatings 2023, 13, 236. https://doi.org/10.3390/coatings13020236 **F.I. 2.9 (30 + 40 x 2.9)/7= 20.8**
36. Aziz, I.H.A.; Abdullah, M.M.A.B.; Razak, R.A.; Yahya, Z.; Salleh, M.A.A.M.; Chaiprapa, J.; Rojviriya, C.; Vizureanu, P.; Sandu, A.V.; Tahir, M.F.; et al. Mechanical Performance, Microstructure, and Porosity Evolution of Fly Ash Geopolymer after Ten Years of Curing Age. Materials 2023, 16, 1096. https://doi.org/10.3390/ma16031096 **F.I. 3.1 (30 + 40 x 3.1)/12=12.8**
37. Luhar, I.; Luhar, S.; Abdullah, M.M.A.B.; Sandu, A.V.; Vizureanu, P.; Razak, R.A.; Burduhos-Nergis, D.D.; Imjai, T. Solidification/Stabilization Technology for Radioactive Wastes Using Cement: An Appraisal. Materials 2023, 16, 954. https://doi.org/10.3390/ma16030954 **F.I. 3.1 (30 + 40 x 3.1)/8= 19.2**
38. D.D. Burduhos-Nergis, P. Vizureanu, D.C. Achitei, A.V. Sandu, D.P. Burduhos-Nergis, M.M.A.B. Abdullah, THE INFLUENCE OF SINTERING TEMPERATURE ON THE MICROSTRUCTURE OF COAL-ASH BASED GEOPOLYMERS, Arch. Metall. Mater. 68 (2023), 2, 631-637, DOI: https://doi.org/10.24425/amm.2023.142444 **F.I. 0.7 (30 + 40 x 0.7)/6= 9.7**
39. D.-P. Burduhos-Nergis, C. Bejinariu, A.M. Cazac, A.V. Sandu, P. Vizureanu, XRD and STA Characterization of Phosphate Layers Deposited on the Carbon Steel Surface, Arch.

Metall. Mater. 68 (2023), 3, 955-960, DOI: https://doi.org/10.24425/amm.2023.145459 **F.I. 0.7 (30 + 40 x 0.7)/5=11.6**

40. M.C. Perju, C. Nejneru, D.D. Burduhos-Nergis, P. Vizureanu, M.G. Minciuna, A.V. Sandu, Study of the Effect of Intensity of Vibrations and Temperature on the Cooling Characteristics of Quenching Media, Arch. Metall. Mater. 68 (2023), 3, 997-1002, DOI: https://doi.org/10.24425/amm.2023.145466. **F.I. 0.7 (30 + 40 x 0.7)/6= 9.7**
41. D.-P. Burduhos-Nergis, A.V. Sandu, D.-D. Burduhos-Nergis, P. Vizureanu, C. Bejinariu, Phosphate Conversion Coating – A Short Review, Arch. Metall. Mater. 68 (2023), 3, 1029-1034, DOI: https://doi.org/10.24425/amm.2023.145471 **F.I. 0.7 (30 + 40 x 0.6)/5= 11.6**
42. Burduhos-Nergis, DD; Vizureanu, P; Baltatu, MS; Sandu, AV; Burduhos-Nergis, DP, A BIBLIOMETRIC ANALYSIS OF RESEARCH ON FIBER REINFORCED GEOPOLYMER COMPOSITES, UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN SERIES B-CHEMISTRY AND MATERIALS SCIENCE, 2023, Volume 85, Issue 1, Page 129-138. **F.I. 0.3 (30 + 40 x 0.3)/5=8.4**
43. Wattanapanich, C.; Imjai, T.; García, R.; Rahim, N.L.; Abdullah, M.M.A.B.; Sandu, A.V.; Vizureanu, P.; Matasaru, P.D.; Thomas, B.S. Computer Simulations of End-Tapering Anchorages of EBR FRP-Strengthened Prestressed Concrete Slabs at Service Conditions. Materials 2023, 16, 851. https://doi.org/10.3390/ma16020851 **F.I. 3.1 (30 + 40 x 3.1)/9= 17.1**
44. Che Halin, D.S.; Azhari, A.W.; Mohd Salleh, M.A.A.; Muhammad Nadzri, N.I.; Vizureanu, P.; Abdullah, M.M.A.B.; Wahab, J.A.; Sandu, A.V. Metal-Doped TiO2 Thin Film as an Electron Transfer Layer for Perovskite Solar Cells: A Review. Coatings 2023, 13, 4. https://doi.org/10.3390/coatings13010004 **F.I. 2.9 (30 + 40 x 2.9)/8= 18.2**
45. Magiswaran, K.; Norizan, M.N.; Mahmed, N.; Mohamad, I.S.; Idris, S.N.; Sabri, M.F.M.; Amin, N.; Sandu, A.V.; Vizureanu, P.; Nabiałek, M.; et al. Controlling the Layer Thickness of Zinc Oxide Photoanode and the Dye-Soaking Time for an Optimal-Efficiency Dye-Sensitized Solar Cell. Coatings 2023, 13, 20. https://doi.org/10.3390/coatings13010020 **F.I. 2.9 (30 + 40 x 2.9)/11= 13.3**
46. Krishnamoorthy, U.; Gandhi Ayyavu, P.; Panchal, H.; Shanmugam, D.; Balasubramani, S.; Al-rubaie, A.J.; Al-khaykan, A.; Oza, A.D.; Hembrom, S.; Patel, T.; Vizureanu, P. et al. Efficient Battery Models for Performance Studies-Lithium Ion and Nickel Metal Hydride Battery. Batteries 2023, 9, 52. https://doi.org/10.3390/batteries9010052 IF:4,6 **(30+40 x 4,6)/12= 17,83**
47. Selvan, M.; Abdul Aziz, M.S.; Salleh, M.A.A.M.; Sharif, N.M.; Khor, C.Y.; Ong, H.P.; Zainol, M.R.R.M.A.; Vizureanu, P.; Burduhos-Nergis, D.-P.; Sandu, A.V. Influence of Fin Thickness on the Thermal Performance and Selection of Coating Method for a Bus Duct Conductor. Coatings 2023, 13, 12. https://doi.org/10.3390/coatings13010012 **F.I. 2.9 (30 + 40 x 2.9)/10= 14.6**
48. Axinte, M.; Vizureanu, P.; Cimpoesu, N.; Nejneru, C.; Burduhos-Nergis, D.-P.; Epure, E.-L. Analysis of Physicochemical Properties of W1.8507 Steel Parts with Sharp Edges, Thermochemically Treated by Plasma Nitriding with and without Polarized Screens. Coatings 2023, 13, 177. https://doi.org/10.3390/coatings13010177 IF:2,9 **(30+40 x 2,9)/6= 24,33**
49. Mubarokah, Z.R.; Mahmed, N.; Norizan, M.N.; Mohamad, I.S.; Abdullah, M.M.A.B.; Błoch, K.; Nabiałek, M.; Baltatu, M.S.; Sandu, A.V.; Vizureanu, P. Near-Infrared (NIR) Silver Sulfide (Ag2S) Semiconductor Photocatalyst Film for Degradation of Methylene Blue Solution. Materials 2023, 16, 437. https://doi.org/10.3390/ma16010437 **F.I. 3.1 (30 + 40 x 3.1)/10= 15.4**
50. Roduan, S.F.; Wahab, J.A.; Salleh, M.A.A.M.; Mahayuddin, N.A.H.M.; Abdullah, M.M.A.B.; Halil, A.B.M.; Zaifuddin, A.Q.S.; Muhammad, M.I.; Sandu, A.V.; Baltatu, M.S.; Vizureanu, P. Effectiveness of Dimple Microtextured Copper Substrate on Performance of Sn-0.7Cu Solder Alloy. Materials 2023, 16, 96. https://doi.org/10.3390/ma16010096 **F.I. 3.1 (30 + 40 x 3.1)/11= 14**
51. Achitei, D.C.; Baltatu, M.S.; **Vizureanu, P.**; Sandu, A.V.; Benchea, M.; Istrate, B. Ni-Cr Alloys Assessment for Dental Implants Suitability. Appl. Sci. 2022, 12, 12814. https://doi.org/10.3390/app122412814 **F.I. 2.838 FI: 2.5 (30 + 40 x 2.5)/6= 21.7**
52. Mydin, M.A.O.; Abdullah, M.M.A.B.; Mohd Nawi, M.N.; Yahya, Z.; Sofri, L.A.; Baltatu, M.S.; Sandu, A.V.; **Vizureanu, P.** Influence of Polyformaldehyde Monofilament Fiber on the Engineering Properties of Foamed Concrete. Materials 2022, 15, 8984. https://doi.org/10.3390/ma15248984 **F.I. 3.1 (30 + 40 x 3.1)/8= 19.2**
53. Nadzri, NIM (Nadzri, Nur Izzati Muhammad); Halin, DSC (Halin, Dewi Suriyani Che); Abdullah, MMA (Abdullah, Mohd Mustafa Al Bakri); Joseph, S (Joseph, Sudha); Salleh, MAAM (Salleh, Mohd Arif Anuar Mohd); Vizureanu, P (Vizureanu, Petrica); Burduhos-Nergis, DP (Burduhos-Nergis, Diana-Petronela); Sandu, AV (Sandu, Andrei Victor), High-Entropy Alloy for Thin Film Application: A Review, COATINGS Volume: 12 Issue: 12 Article Number: 1842 DOI: 10.3390/coatings12121842 Published: DEC 2022 **F.I. 2.9 (30 + 40 x 2.9)/8= 18.2**
54. Jimenez-Marcos, C (Jimenez-Marcos, Cristina); Mirza-Rosca, JC (Mirza-Rosca, Julia Claudia); Baltatu, MS (Baltatu, Madalina Simona); Vizureanu, P (Vizureanu, Petrica), Experimental Research on New Developed Titanium Alloys for Biomedical Applications, BIOENGINEERING-BASEL Volume: 9 Issue: 11 Article Number: 686 DOI: 10.3390/bioengineering9110686 Published: NOV 2022 **(30 + 40 x 3.8)/4= 45.5**
55. Mohamad, I.S.; Norizan, M.N.; Mahmed, N.; Jamalullail, N.; Halin, D.S.C.; Salleh, M.A.A.M.; Sandu, A.V.; Baltatu, M.S.; **Vizureanu, P.** Enhancement of Power Conversion Efficiency with Zinc Oxide as Photoanode and Cyanococcus, Punica granatum L., and Vitis vinifera as Natural Fruit Dyes for Dye-Sensitized Solar Cells. Coatings 2022, 12, 1781. https://doi.org/10.3390/coatings12111781 **F.I. 2.9 (30 + 40 x 2.9)/9= 16.2**
56. Baltatu, M.S.; Chiriac-Moruzzi, C.; **Vizureanu, P.**; Tóth, L.; Novák, J. Effect of Heat

Treatment on Some Titanium Alloys Used as Biomaterials. Appl. Sci. 2022, 12, 11241. https://doi.org/10.3390/app122111241 **(30 + 40 x 2.5)/5= 26**

57. Baidrulhisham, S.E.; Noor, N.M.; Hassan, Z.; Sandu, A.V.; **Vizureanu, P.**; Ul-Saufie, A.Z.; Zainol, M.R.R.M.A.; Kadir, A.A.; Deák, G. Effects of Weather and Anthropogenic Precursors on Ground-Level Ozone Concentrations in Malaysian Cities. Atmosphere 2022, 13, 1780. **F.I. 2.5 (30 + 40 x 2.5)/10= 14.6**
58. Jamil, N.H.; Abdullah, M.M.A.B.; Ibrahim, W.M.A.W.; Rahim, R.; Sandu, A.V.; **Vizureanu, P.**; Castro-Gomes, J.; Gómez-Soberón, J.M. Effect of Sintering Parameters on Microstructural Evolution of Low Sintered Geopolymer Based on Kaolin and Ground-Granulated Blast-Furnace Slag. Crystals 2022, 12, 1553. https://doi.org/10.3390/cryst12111553 **FI. 2.4, (30 + 40 x 2.4)/6= 21**
59. Sofri, L.A.; Abdullah, M.M.A.B.; Sandu, A.V.; Imjai, T.; **Vizureanu, P.**; Hasan, M.R.M.; Almadani, M.; Aziz, I.H.A.; Rahman, F.A. Mechanical Performance of Fly Ash Based Geopolymer (FAG) as Road Base Stabilizer. Materials 2022, 15, 7242. https://doi.org/10.3390/ma15207242 **F.I. 3.1 (30 + 40 x 3.1)/9= 17.1**
60. Tahirukaj, M.; Surleva, A.; **Vizureanu, P.**; Olluri, B.; Sandu, A.V. Assessment of Persistence of Gunshot Residues Produced by Firearms from Criminal Cases in the Republic of Kosovo. Appl. Sci. 2022, 12, 10477. https://doi.org/10.3390/app122010477 **F.I. 2.5 (30 + 40 x 2.5)/5= 26**
61. Thanki, H.; Shah, S.; Oza, A.; **Vizureanu, P.**; Burduhos-Nergis, D.D. Sustainable Consumption: Will They Buy It Again? Factors Influencing the Intention to Repurchase Organic Food Grain. Foods 2022, 11, 3046. https://doi.org/10.3390/foods11193046 **(30 + 40 x 4,7)/5= 43,6**
62. **Vizureanu, P.** Future Trends in Advanced Materials and Processes. *Materials* **2022**, *15*, 6554. https://doi.org/10.3390/ma15196554 **F.I. 3.1 (30 + 40 x 3.1)/1= 154**
63. Arokiasamy, P.;Abdullah, MMA; Abd Rahim, SZ; Zainol, MRRMA; Salleh, MAAM; Kheimi, M; Chaiprapa, J.; Sandu, A.V.; **Vizureanu, P.**; Razak, R.A.; Jamil, NH. Metakaolin/sludge based geopolymer adsorbent on high removal efficiency of Cu2+. CASE STUDIES IN CONSTRUCTION MATERIALS 2022, 17, 01428. https://doi.org/10.1016/j.cscm.2022.e01428 **FI. 5.1, (30 + 40 x 5.1)/7= 33.4**
64. Jamaludin, L.; Razak, R.A.; Abdullah, M.M.A.B.; **Vizureanu, P.**; Bras, A.; Imjai, T.; Sandu, A.V.; Abd Rahim, S.Z.; Yong, H.C. The Suitability of Photocatalyst Precursor Materials in Geopolymer Coating Applications: A Review. Coatings 2022, 12, 1348. https://doi.org/10.3390/coatings12091348 **F.I. 2.9 (30 + 40 x 2.9)/9= 16.2**
65. Ahmad, R.; Ibrahim, W.M.W.; Abdullah, M.M.A.B.; Pakawanit, P.; **Vizureanu, P.**; Abdullah, A.S.; Sandu, A.V.; Ahmad Zaidi, F.H. Geopolymer-Based Nepheline Ceramics: Effect of Sintering Profile on Morphological Characteristics and Flexural Strength. Crystals 2022, 12, 1313. https://doi.org/10.3390/cryst12091313 **F.I. 2.4 (30 + 40 x 2.4)/8= 15.7**
66. Ul-Saufie, A.Z.; Hamzan, N.H.; Zahari, Z.; Shaziayani, W.N.; Noor, N.M.; Zainol, M.R.R.M.A.; Sandu, A.V.; Deak, G.; **Vizureanu, P.** Improving Air Pollution Prediction Modelling Using Wrapper Feature Selection. Sustainability 2022, 14, 11403. https://doi.org/10.3390/su141811403 **F.I. 3.3 (30 + 40 x 3.3)/10= 16.2**
67. Ibrahim, W.M.W.; Abdullah, M.M.A.B.; Ahmad, R.; Sandu, A.V.; **Vizureanu, P.**; Benjeddou, O.; Rahim, A.; Ibrahim, M.; Sauffi, A.S. Chemical Distributions of Different Sodium Hydroxide Molarities on Fly Ash/Dolomite-Based Geopolymer. Materials 2022, 15, 6163. https://doi.org/10.3390/ma15176163 **F.I. 3.1 (30 + 40 x 3.1)/9= 17.1**

68. Halin, D.S.C., Abidin, A.S.Z., Azani, A., Salleh, M.A.A.M., Razak, K.A., Abdullah, M.M.A.B., Ramli, M.M., Sandu, A.V., Vizureanu, P., Kaczmarek, L., Synthesis of Zn/TiO2 Thin Films for Self-Cleaning Applications, ACTA PHYSICA POLONICA A 2022, 142, 1, 164-167. DOI10.12693/APhysPolA.142.164 **F.I.:0.5 (30 + 40 x 0.5)/10= 5**

69. Hashim, N.M.; Noor, N.M.; Ul-Saufie, A.Z.; Sandu, A.V.; **Vizureanu, P.**; Deák, G.; Kheimi, M. Forecasting Daytime Ground-Level Ozone Concentration in Urbanized Areas of Malaysia Using Predictive Models. Sustainability 2022, 14, 7936. https://doi.org/10.3390/su14137936 **FI. 3.3 (30 + 40 x 3.3)/7= 23.1**
70. Yong-Sing, N.; Yun-Ming, L.; Cheng-Yong, H.; Abdullah, M.M.A.B.; Pakawanit, P.; **Vizureanu, P.**; Khalid, M.S.; Hui-Teng, N.; Yong-Jie, H.; Nabiałek, M.; Pietrusiewicz, P.; Garus, S.; Sochacki, W.; Śliwa, A. Improvements of Flexural Properties and Thermal Performance in Thin Geopolymer Based on Fly Ash and Ladle Furnace Slag Using Borax Decahydrates. Materials 2022, 15, 4178. https://doi.org/10.3390/ma15124178 **F.I. 3.1 (30 + 40 x 3,1)/14= 11,00**
71. Huzaim, N.H.M.; Rahim, S.Z.A.; Musa, L.; Abdellah, A.E.-h.; Abdullah, M.M.A.B.; Rennie, A.; Rahman, R.; Garus, S.; Błoch, K.; Sandu, A.V.; **Vizureanu, P.**; Nabiałek, M. Potential of Rapid Tooling in Rapid Heat Cycle Molding: A Review. Materials 2022, 15, 3725. https://doi.org/10.3390/ma15103725 **F.I. 3.1 (30 + 40 x 3.1)/11= 14**
72. Vizureanu, P. Surface Treatment of Metals. *Coatings* **2022**, *12*, 560. https://doi.org/10.3390/coatings12050560 **F.I. 2.9 (30 + 40 x 2.9)/1= 146**
73. Tahir, M.F.M.; Abdullah, M.M.A.B.; Rahim, S.Z.A.; Mohd Hasan, M.R.; Sandu, A.V.; **Vizureanu, P.**; Ghazali, C.M.R.; Kadir, A.A. Mechanical and Durability Analysis of Fly Ash Based Geopolymer with Various Compositions for Rigid Pavement Applications. Materials 2022, 15, 3458. https://doi.org/10.3390/ma15103458 **F.I. 3.1 (30 + 40 x 3.1)/8= 19.2**
74. Yusof, M.F.; Zainol, M.R.R.M.A.; Sandu, A.V.; Riahi, A.; Zakaria, N.A.; Shaharuddin, S.; Aziz, M.S.A.; Mohamed Noor, N.; **Vizureanu, P.**; Zawawi, M.H.; Ikhsan, J. Clean Water Production Enhancement through the Integration of Small-Scale Solar Stills with Solar Dish Concentrators (SDCs)—A Review. Sustainability 2022, 14, 5442. https://doi.org/10.3390/su14095442 **FI. 3.3 (30 + 40 x 3.3)/11= 14.7**
75. Zaimi, N.S.M.; Salleh, M.A.A.M.; Abdullah, M.M.A.-B.; Nadzri, N.I.M.; Sandu, A.V.; **Vizureanu, P.**; Ramli, M.I.I.; Nogita, K.; Yasuda, H.; Sandu, I.G. Effect of Kaolin Geopolymer Ceramics Addition on the Microstructure and Shear Strength of Sn-3.0Ag-

0.5Cu Solder Joints during Multiple Reflow. Materials 2022, 15, 2758. https://doi.org/10.3390/ma15082758 **F.I. 3.1 (30 + 40 x 3.1)/9= 17.1**

76. Ramli, M.I.I.; Salleh, M.A.A.M.; Abdullah, M.M.A.B.; Aziz, I.H.; Ying, T.C.; Shahedan, N.F.; Kockelmann, W.; Fedrigo, A.; Sandu, A.V.; **Vizureanu, P.**; Chaiprapa, J.; Burduhos Nergis, D.D. The Influence of Sintering Temperature on the Pore Structure of an Alkali-Activated Kaolin-Based Geopolymer Ceramic. Materials 2022, 15, 2667. https://doi.org/10.3390/ma15072667 **F.I. 3.1 (30 + 40 x 3.1)/8= 19.2**
77. Aziz, I.H.; Abdullah, M.M.A.B.; Salleh, M.A.A.M.; Ming, L.Y.; Li, L.Y.; Sandu, A.V.; **Vizureanu, P.**; Nemes, O.; Mahdi, S.N. Recent Developments in Steelmaking Industry and Potential Alkali Activated Based Steel Waste: A Comprehensive Review. Materials 2022, 15, 1948. https://doi.org/10.3390/ma15051948 **F.I. 3.1 (30 + 40 x 3.1)/8= 19.2**
78. Baltatu, I.; Sandu, A.V.; Vlad, M.D.; Spataru, M.C.; **Vizureanu, P.**; Baltatu, M.S. Mechanical Characterization and In Vitro Assay of Biocompatible Titanium Alloys. Micromachines 2022, 13, 430. https://doi.org/10.3390/mi13030430 **F.I. 3 (30 + 40 x 3)/6= 27.6**
79. Ramli, M.I.I.; Salleh, M.A.A.M.; Abdullah, M.M.A.B.; Zaimi, N.S.M.; Sandu, A.V.; **Vizureanu, P.**; Rylski, A.; Amli, S.F.M. Formation and Growth of Intermetallic Compounds in Lead-Free Solder Joints: A Review. Materials 2022, 15, 1451. https://doi.org/10.3390/ma15041451 **F.I. 3.1 (30 + 40 x 3.1)/8= 19.2**
80. Zailan, S.N.; Mahmed, N.; Abdullah, M.M.A.B.; Rahim, S.Z.A.; Halin, D.S.C.; Sandu, A.V.; **Vizureanu, P.**; Yahya, Z. Potential Applications of Geopolymer Cement-Based Composite as Self-Cleaning Coating: A Review. Coatings 2022, 12, 133. https://doi.org/10.3390/coatings12020133 FI: **2.9 (30 + 40 x 2.9)/8= 18.2** FI: **2.9 (30 + 40 x 2.9)/8= 18.2**
81. Azimi, Emy Aizat; Salleh, M. A. A. Mohd; Abdullah, Mohd Mustafa Al Bakri; Aziz, Ikmal Hakem A.; Hussin, Kamarudin; Chaiprapa, Jitrin; **Vizureanu, Petrica**; Yoriya, Sorachon; Nabialek, Marcin; Wyslocki, Jerzy J. EFFECT OF NAOH MOLAR CONCENTRATION ON MICROSTRUCTURE AND COMPRESSIVE STRENGTH OF DOLOMITE/FLY ASH-BASED GEOPOLYMERS. ARCHIVES OF METALLURGY AND MATERIALS. 2022, 67(3), 993-998. DOI: https://doi.org/10.24425/amm.2022.139693 **F.I. 0,7 (30 + 40 x 0.7)/10= 5.8**
82. Minciuna, MG; **Vizureanu, P;** Jez, B; Sindu, AV; Nabialek, M; Achitei, DC. CORRELATION BETWEEN MICROSTRUCTURE AND ELECTROCHEMICAL PROPERTIES OF Al-Si ALLOYS. ARCHIVES OF METALLURGY AND MATERIALS. 2022, 67(3), 1067-1070. DOI: https://doi.org/10.24425/amm.2022.139704 **F.I. 0.7 (30 + 40 x 0.6)/6= 9,00**
83. Perju, MC; Nejneru, C; **Vizureanu, P**; Aelenei, AA; Sandu, AV; Sachelarie, L; Nabialek, M. SOME ASPECTS CONCERNING TITANIUM COVERAGE WITH HYDROxYAPATITE. ARCHIVES OF METALLURGY AND MATERIALS. 2022, 67(2), 521-527. DOI: https://doi.org/10.24425/amm.2022.137785 **F.I. 0.7 (30 + 40 x 0.7)/7= 8.3**
84. Voiculescu, I; Geanta, V; Chereches, T; **Vizureanu, P**; Stefanoiu, R; Rotariu, A; Mitrica, D., IMPACT BEHAVIOR OF THE BALLISTIC TARGETS PACKAGE COMPOSED OF DYNEEMA POLYMER AND HIGH ENTROPY ALLOY STRUCTURES. ARCHIVES OF METALLURGY AND MATERIALS. 2022, 67(2), 569-576. DOI: https://doi.org/10.24425/amm.2022.137792 **F.I. 07 (30 + 40 x 0.6)/7= 8,30**
85. Nergis, DDB; **Vizureanu, P**; Lupescu, S; Nergis, DPB; Perju, MC; Sandu, AV. MICROSTRUCTURAL ANALYSIS OF AMBIENT CURED PHOSPHATE BASED-GEOPOLYMERS WITH COAL-ASH AS PRECURSOR. ARCHIVES OF METALLURGY AND MATERIALS. 2022, 67(2), 595-600. DOI: https://doi.org/10.24425/amm.2022.137795 **F.I. 0.7 (30 + 40 x 0.7)/6= 9.7**
86. Ibrahim, M; Ibrahim, WMW; Al, MM; Sauffi, AS; **Vizureanu, P.** EFFECT OF SOLID-TO-LIQUIDS AND Na2SiO3-TO-NaOH RATIO ON METAkAOLIN MEMBRANE GEOpOLyMERS. ARCHIVES OF METALLURGY AND MATERIALS. 2022, 67(2), 695-702. DOI: https://doi.org/10.24425/amm.2022.137808 **F.I. 0.7 (30 + 40 x 0.7)/4= 14,5**
87. Baltatu, I; Sandu, AV; Baltatu, MS; Benchea, M; Achitei, DC; Ciolacu, F; Perju, MC; **Vizureanu, P**; Benea, L. STRUCTURAL AND PHYSICAL CHARACTERIZATION OF NEW Ti-BASED ALLOYS. ARCHIVES OF METALLURGY AND MATERIALS. 2022, 67(1), 255-259. DOI: https://doi.org/10.24425/amm.2022.137499 **F.I. 0.7 (30 + 40 x 0.7)/9= 6.4**
88. Burduhos Nergis, D.D.; **Vizureanu, P.**; Sandu, A.V.; Burduhos Nergis, D.P.; Bejinariu, C. XRD and TG-DTA Study of New Phosphate-Based Geopolymers with Coal Ash or Metakaolin as Aluminosilicate Source and Mine Tailings Addition. Materials 2022, 15, 202. https://doi.org/10.3390/ma15010202 **F.I. 3.1 (30 + 40 x 3.1)/5= 30.8**
89. Abdila, S.R.; Abdullah, M.M.A.B.; Ahmad, R.; Burduhos Nergis, D.D.; Rahim, S.Z.A.; Omar, M.F.; Sandu, A.V.; **Vizureanu, P.**; Syafwandi. Potential of Soil Stabilization Using Ground Granulated Blast Furnace Slag (GGBFS) and Fly Ash via Geopolymerization Method: A Review. Materials 2022, 15, 375. https://doi.org/10.3390/ma15010375 **F.I. 3.1 (30 + 40 x 3.1)/8= 19.2**
90. Spataru, M.C., Butnaru, M., Sandu, A.V., Vulpe, V., Vlad, M.D., Baltatu, M.S., Geanta, V., Voiculescu, I., **Vizureanu, P.**, Solcan, C., In-depth assessment of new Ti-based biocompatible materials, MATERIALS CHEMISTRY AND PHYSICS, Volume: 258, Article Number: 123959, Published: 2021, **F.I.: 4.3 (30 + 40 x 4.3)/10= 20.2**
91. V.V. SAVINKIN, Z.Z. ZHUMEKENOVA, A.V. SANDU, P. VIZUREANU, S.V. SAVINKIN, S.N. KOLISNICHENKO, O.V. IVANOVA, Study of Wear and Redistribution Dynamic Forces of Wheel Pairs Restored by a Wear-Resistant Coating 15Cr17Ni12V3F, COATINGS, 11(12), 2021, Article Number 1441, DOI 10.3390/coatings11121441 (Corresponding author) **F.I. 2.9 (30 + 40 x 2.9)/7= 20.9**
92. Baltatu, M.S.; Sandu, A.V.; Nabialek, M.; **Vizureanu, P.**; Ciobanu, G. Biomimetic Deposition of Hydroxyapatite Layer on Titanium Alloys. Micromachines 2021, 12, 1447. https://doi.org/10.3390/mi12121447 . **F.I. 3 (30 + 40 x 3)/5= 30**
93. I. LUHAR, S. LUHAR, M.M.A. ABDULLAH, R.A. RAZAK, P. VIZUREANU, A.V. SANDU,

P.D. MATASARU, A State-of-the-Art Review on Innovative Geopolymer Composites Designed for Water and Wastewater Treatment, MATERIALS, 14 (23), 2021, Article Number 7456, DOI10.3390/ma14237456. **F.I. 3.1 (30 + 40 x 3.1)/7= 22**

94. Z. YAHYA, M.M.A. ABDULLAH, L.Y. LI, D.D.B., NERGIS, M.A.A. HAKIMI, A.V. SANDU, P. VIZUREANU, R.A. RAZAK, Behavior of Alkali-Activated Fly Ash through Underwater Placement, MATERIALS, 14 (22), 2021, Article Number 6865, DOI10.3390/ma14226865. (Corresponding author) **F.I. 3.1 (30 + 40 x 3.1)/8= 19.2**

95. M.S. BALTATU, M.C. SPATARU, L. VERESTIUC, V. BALAN, C. SOLCAN, A.V. SANDU, V. GEANTA, I. VOICULESCU, P. VIZUREANU, Design, Synthesis, and Preliminary Evaluation for Ti-Mo-Zr-Ta-Si Alloys for Potential Implant Applications, MATERIALS, 14 (22), 2021, Article Number 6806, DOI 10.3390/ma14226806. (Corresponding author) **F.I. 3.1 (30 + 40 x 3.1)/9= 17.1**

96. M.S. BALTATU, P. VIZUREANU, A.V. SANDU, N. FLORIDO-SUAREZ, M.V. SACELEANU, J.C. MIRZA-ROSCA, New Titanium Alloys, Promising Materials for Medical Devices, **MATERIALS**, 14 (20), 2021, Article Number 5934, DOI 10.3390/ma14205934 **F.I. 3.1 (30 + 40 x 3.1)/6= 25.7**

97. M.I.I. RAMLI, M.A.A.M. SALLEH, A.V. SANDU, S.F.M. AMLI, R.M. SAID, N. SAUD, M.M.A. ABDULLAH, P. VIZUREANU, A. RYLSKI, J. CHAIPRAPA, M. NABIALEK. Influence of 1.5 wt.% Bi on the Microstructure, Hardness, and Shear Strength of Sn-0.7Cu Solder Joints after Isothermal Annealing, **MATERIALS**, 14 (18), 2021, Article Number 5134, DOI 10.3390/ma14185134. **F.I. 3.1 (30 + 40 x 3.1)/11= 14,00**

98. M.Z.M. MOKHTAR, M.A.A.M. SALLEH, A.V. SANDU, M.M. RAMLI, J. CHAIPRAPA, P. VIZUREANU, M.I.I. RAMLI, Effect of Electromigration and Thermal Ageing on the Tin Whiskers' Formation in Thin Sn-0.7Cu-0.05Ga Lead (Pb)-Free Solder Joints, COATINGS, 11(8), 2021, Article Number 935, DOI 10.3390/coatings11080935 **F.I. 2.9 (30 + 40 x 2.9)/7= 20.9**

99. V.V. SAVINKIN, S.N. KOLISNICHENKO, A.V. SANDU, O.V. IVANOVA, P. VIZUREANU, Z.Z. ZHUMEKENOVA, Investigation of the Strength Parameters of Drilling Pumps during the Formation of Contact Stresses in Gears, APPLIED SCIENCES-BASEL, 11(15), 2021, Article Number 7076, DOI 10.3390/app11157076 (Corresponding author) **F.I.:2.5 (30 + 40 x 2.5)/6= 21.7**

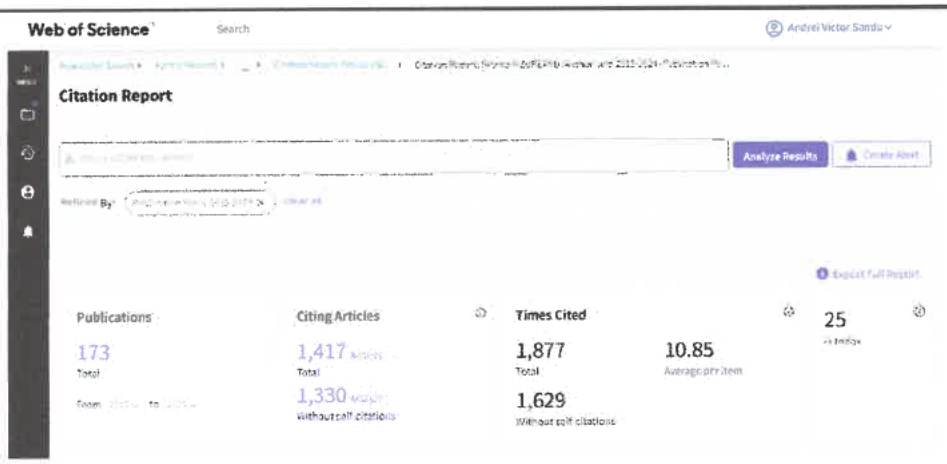
100. R. OTHMAN, R.P. JAYA, K. MUTHUSAMY, M. SULAIMAN, Y. DURAISAMY, M.M.A. ABDULLAH, A. PRZYBYL, W. SOCHACKI, T. SKRZYPCZAK, P. VIZUREANU, A.V. SANDU, Relation between Density and Compressive Strength of Foamed Concrete, MATERIALS, 14(11), 2021, Article Number 2967, DOI 10.3390/ma14112967 **F.I. 3.1 (30 + 40 x 3.1)/11= 14**

101. Garus, S, **Vizureanu, P.**; Abdullah, M. M. A. B.; Omarc, M. F.; Walters, S.; Hasani, S.; Seifoddini, A.; Rezaei-Shahreza, P., Change of Magnetic Saturation Polarisation as a Function of Temperature in Bulk Fe-Based Amorphous Alloys, ACTA PHYSICA POLONICA, Volume 139, Issue 5, Page 510-512, DOI 10.12693/APhysPolA.139.510 **F.I.:0,7 . (30 + 40 x 0.7)/8= 7,25**
102. A. HEGYI, H. SZILAGYI, E. GREBENISAN, A.V. SANDU, A.V. LAZARESCU, C. ROMILA, Influence of TiO(2)Nanoparticles Addition on the Hydrophilicity of Cementitious Composites Surfaces, APPLIED SCIENCES-BASEL, 10, 13, 2020, 4501, DOI: 10.3390/app10134501. **FI: 2.5 (30 + 40 x 2.5)/6= 21.7**
103. R. RAHMAN, S.Z.F.S. PUTRA, S.Z.A. RAHIM, I. NAINGGOLAN, B. JEZ, M. NABIALEK, L. MUSA, A.V. SANDU, P. VIZUREANU, M.M.A.B. ABDULLAH, D. KWIATKOWSKI, I. WNUK, The Infuence of MMA Esterifcation on Interfacial Adhesion and Mechanical Properties of Hybrid Kenaf Bast/Glass Fiber Reinforced Unsaturated Polyester Composites, **MATERIALS**, 14, 2021, art. no. 2276 https://doi.org/10.3390/ma14092276. **F.I. 3.1 (30 + 40 x 3.1)/12= 12.8**
104. Cimpoeșu, R.; **Vizureanu, P.**; Știrbu, I.; Sodor, A.; Zegan, G.; Prelipceanu, M.; Cimpoeșu, N.; Ioanid, N. Corrosion-Resistance Analysis of HA Layer Deposited through Electrophoresis on Ti4Al4Zr Metallic Substrate. Appl. Sci. 2021, 11, 4198. https://doi.org/10.3390/app11094198 **F.I. 2.5 (30 + 40 x 2.5)/8 = 9,06**
105. N.S.M. ZAIMI, M.A.A.M. SALLEH, A.V. SANDU, M.M.A. ABDULLAH, N. SAUD, S.Z. ABD RAHIM, P. VIZUREANU, R.M. SAID, M.I.I. RAMLI, Performance of Sn-3.0Ag-0.5Cu Composite Solder with Kaolin Geopolymer Ceramic Reinforcement on Microstructure and Mechanical Properties under Isothermal Ageing, **MATERIALS**, 14, 4, 2021, Article Number: 776, DOI: 10.3390/ma14040776 (Corresponding author) **F.I. 3.1 (30 + 40 x 3.1)/9 = 17.1**
106. V.N. KYZNETSOVA, V.V. SAVINKIN, T.Y. RATUSHNAYA, A.V. SANDU, P. VIZUREANU, Study of the Spatial Distribution of Forces and Stresses on Wear Surfaces at Optimization of the Excavating Part of an Earthmoving Machine Transverse Profile, COATINGS, 11, 2, 2021, Article Number: 182, DOI: 10.3390/coatings11020182 (Corresponding author) **F.I. 2.9 (30 + 40 x 2.9)/5= 29.2**
107. Shahedan, N.F.; Abdullah, M.M.A.B.; Mahmed, N.; Kusbiantoro, A.; Tammas-Williams, S.; Li, L.-Y.; Aziz, I.H.; Vizureanu, P.; Wysłocki, J.J.; Błoch, K.; et al. Properties of a New Insulation Material Glass Bubble in Geopolymer Concrete. Materials 2021, 14, 809. https://doi.org/10.3390/ma14040809 **F.I. 3.1 (30 + 40 x 3.1)/11= 14**
108. V.V. SAVINKIN, A.V. SANDU, T.Y. RATUSHNAYA, P. VIZUREANU, S.V. KOLISNICHENKO, M.S. OMAROV, Study Of Redistribution Of The Oil Complex Power Drive Ffectiveness For Marginal Wells When Installing Construction Of Recuperative Action Electro Hydro Cylinder, BULLETIN OF THE TOMSK POLYTECHNIC UNIVERSITY-GEO ASSETS ENGINEERING, 332, 2, 2021, pp. 229-244, DOI 10.18799/24131830/2021/02/3058 **F.I. 0.6 (30 + 40 x 0.6)/6= 9,0**
109. Verestiuc, L., Spataru, M.C., Baltatu, M.S., Butnaru, M., Solcan, C., Sandu, A.V., Voiculescu, I., Geanta, V., **Vizureanu, P.**, New Ti-Mo-Si materials for bone prosthesis

	applications, JOURNAL OF THE MECHANICAL BEHAVIOR OF BIOMEDICAL MATERIALS, Volume: 113, Article Number: 104198, Published: 2021, **F.I.: 3.3 (30 + 40 x 3.3)/9= 18** 110. Baltatu, M.S., **Vizureanu, P.**, Sandu, A.V., Munteanu, C., Istrate, B., Microstructural Analysis and Tribological Behavior of Ti-Based Alloys with a Ceramic Layer Using the Thermal Spray Method, COATINGS, Volume: 10, Issue: 12, Article Number: 1216, Published: 2020, **F.I.: 2.9 (30 + 40 x 2.9)/5= 29.2** 111. Paleu, C.C., Munteanu, C., Istrate, B., Bhaumik, S., **Vizureanu, P.**, Baltatu, M.S., Paleu, V., Microstructural Analysis and Tribological Behavior of AMDRY 1371 (Mo-NiCrFeBSiC) Atmospheric Plasma Spray Deposited Thin Coatings, COATINGS, Volume: 10, Issue: 12, Article Number: 1186, Published: 2020, **F.I.: 2.9 (30 + 40 x 2.9)/7=20,85** 112. Titu, A.M., **Vizureanu, P.**, Titu, S., Sandu, A.V., Pop, A.B., Bucur, V., Ceocea, C., Boroiu, A., Experimental Research on the Cutting of Metal Materials by Electrical Discharge Machining with Contact Breaking with Metal Band as Transfer Object, MATERIALS, Volume: 13, Issue: 22, Article Number: 5257, Published: 2020, **F.I. 3.1 (30 + 40 x 3.1)/8 = 19.2** 113. Savin, A., Craus, M.L., Bruma, A., Novy, F., 11Malo, S., Chlada, M., Steigmann, R., **Vizureanu, P.**, Harnois, C., Turchenko, V., Prevorovsky, Z., Microstructural Analysis and Mechanical Properties of TiMo20Zr7Ta15Six Alloys as Biomaterials, MATERIALS, Volume: 13, Issue: 21, Article Number: 4808, Published: 2020, **(30+40 x 3,1)/11= 14,00** 114. Nabialek, M., Walters, S., **Vizureanu, P.**, Abdullah, M.M.A.B., Jez, B., Influence of Co and Zr Content on Creation of Crystalline Phases in Rapidly-Cooled, Injection-Cast Alloys Fe70Zr8-xCoxNb2B20 (where x=0, 2, 4, 6 or 8), ACTA PHYSICA POLONICA A, Volume: 138, Issue: 2, Pages: 152-155, Published: 2020, **F.I.:0,5 (30 + 40 x 0.5)/5= 10** 115. Talar, M., Gondro, J., **Vizureanu, P.**, Abdullah, M.M.A.B., Bloch, K., The Influence of Heat Treatment on the Magnetic Properties of the Alloy Fe62Co10Y8B20 Produced by the Injection Suction Casting Method, ACTA PHYSICA POLONICA A, Volume: 138, Issue: 2, Pages: 185-188, Published: 2020, **F.I.:0,5 (30 + 40 x 0.5)/5= 10** 116. Perju, M.C., Sandu, A.V., **Vizureanu, P.**, Nejneru, C., Tugui, C.A., Burduhos-Nergis, D.D., Microstructural Analysis of Ti/W/WC Deposition by ESD Method, ACTA PHYSICA POLONICA A, Volume: 138, Issue: 2, Pages: 214-217, Published: 2020, **F.I.:0.5 (30 + 40 x 0.5)/8= 6.2** 117. **Vizureanu, P.**, Yamaguchi, S., Le, P.T.M., Baltatu, M.S., Biocompatibility Evaluation of New TiMoSi Alloys, ACTA PHYSICA POLONICA A, Volume: 138, Issue: 2, Pages: 283-286, Published: 2020, **(30 + 40 x 0,5)/4= 12.5** 118. Burduhos-Nergis, D.P., **Vizureanu, P.**, Sandu, A.V., Bejinariu, C., Phosphate Surface Treatment for Improving the Corrosion Resistance of the C45 Carbon Steel Used in Carabiners Manufacturing, MATERIALS, Volume: 13, Issue: 15, Article Number: 3410, Published: 2020, **F.I.: 3.1 (30 + 40 x 3.4)/4= 38.5** 119. Predescu, A.M., Vidu, R., **Vizureanu, P.**, Predescu, A., Matei, E; Predescu, C., Properties of Cu-xFe(3)O(4)Nanocomposites for Electrical Application, MATERIALS, Volume: 13 Issue: 14 Article Number: 3086, 2020, **(30+40 x 3,1)/6= 25,66** 120. Istrate, B., Munteanu, C., Lupescu, S., Chelariu, R., Vlad, M.D., **Vizureanu, P.**, Electrochemical Analysis and In Vitro Assay of Mg-0.5Ca-xY Biodegradable Alloys, MATERIALS, Volume: 13, Issue: 14, Article Number: 3082, Published: 2020, **(30+40 x 3,1)/6= 25,66** 121. Nergis, D.D.B., **Vizureanu, P.**, Ardelean, I., Sandu, A.V., Corbu, O.C., Matei, E., Revealing the Influence of Microparticles on Geopolymers' Synthesis and Porosity, MATERIALS, Volume: 13, Issue: 14, Article Number: 3211, Published: 2020, **(30+40 x 3,1)/6= 25,66** 122. Azimi, E.A., Abdullah, M.M.A., **Vizureanu, P.**, Salleh, M.A.A.M., Sandu, A.V., Chaiprapa, J., Yoriya, S., Hussin, K., Aziz, I.H., Strength Development and Elemental Distribution of Dolomite/Fly Ash Geopolymer Composite under Elevated Temperature, MATERIALS, Volume: 13, Issue: 4, Article Number: 1015, Published: 2020, **(30+40 x 3,1)/9= 17,11** 123. **Vizureanu, P.**, Nabialek, M., Sandu, A.V., Jez, B., Investigation into the Effect of Thermal Treatment on the Obtaining of Magnetic Phases: Fe5Y, Fe23B6, Y2Fe14B and alpha Fe within the Amorphous Matrix of Rapidly-Quenched Fe61+xCo10-xW1Y8B20 Alloys (Where x=0, 1 or 2), MATERIALS, Volume: 13, Issue: 4, Article Number: 835, Published: 2020, **F.I. 3.1 (30 + 40 x 3.1)/4= 38.5** 124. Burduhos-Nergis, D.P., **Vizureanu, P.**, Sandu, A.V., Bejinariu, C., Evaluation of the Corrosion Resistance of Phosphate Coatings Deposited on the Surface of the Carbon Steel Used for Carabiners Manufacturing, APPLIED SCIENCES-BASEL, Volume: 10, Issue: 8, Article Number: 2753, Published: 2020, **FI: 2.5 (30 + 40 x 2.5)/4= 32.5** 125. Nergis, D.D.B., Abdullah, M.M.A., Sandu, A.V., **Vizureanu, P.**, XRD and TG-DTA Study of New Alkali Activated Materials Based on Fly Ash with Sand and Glass Powder, MATERIALS, Volume: 13, Issue: 2, Article Number: 343, Published: 2020, **F.I. 3.1 (30 + 40 x 3.1)/4= 38.5** 126. Savinkin, V.V., **Vizureanu**, P., Sandu, A.V., Ratushnaya, T.Y., Ivanischev, A.A., Surleva, A., Improvement of the Turbine Blade Surface Phase Structure Recovered by Plasma Spraying, COATINGS, Volume: 10, Issue: 1, Article Number: 62, Published: 2020, **F.I. 2.9 (30 + 40 x 2.9)/6= 24.3** b. reviste BDI Realizări:	
	2.3. Conferinţe invitate/ lucrări de sinteză prezentate la manifestări organizate sub egide ştiinţifice recunoscute, lucrări comunicate ***a. conferinţe invitate***	**38,8**

	Realizări: **b. lucrări comunicate** 2.3.1. Vizureanu P., Baltatu M.S., Sandu A.V., Burduhos-Nergis D.D., Perju M.C., Achitei D.C., Properties and Applications of New Ti-Mo-Nb-Sn Alloys in Biomedical Engineering, 4th International Biennial Conference BioMaH "Biomaterials and Novel Technologies for Healthcare", Rome (Italy), 15-18 October 2024, (oral presentation). **15/6=2,5** 2.3.2. Bălțatu M.S., Vizureanu P., The latest research on titanium alloys suitable for medical applications 10th International Conference "Biomaterials, Tissue Engineering & Medical Devices" BIOMMEDD'2024, Bucuresti, Romania, October 10-12th, 2024 (oral presentation). **15/2=7,5** **C. sub forma de poster** 2.3.2. Ghiculescu I., **Vizureanu P.**, Bălțatu M.S., Sandu A.V., Perju M.C., Baltatu I., Influence of alloying microelements on titanium alloys for medical applications, 13th International Conference on Materials Science and Engineering – BRAMAT 2024, 13-16 Martie 2024, Brasov, Romania (poster presentation). **10/6=1,66** 2.3.3. Mazilu M.A, Bălțatu M.S., Burduhos-Nergis D.D., **Vizureanu P.**, Sandu A.V., Comparative analysis of Ti6Al4V and Ti15Mo7Zr5Mn alloys for orthopedic implant applications, 13th International Conference on Materials Science and Engineering – BRAMAT 2024, 13-16 Martie 2024, Brasov, Romania (poster presentation). **10/5=2,00** 2.3.4. Tofan M., Sandu A.V., Bălțatu M.S., Achitei D.C., Ciubotaru C.V., **Vizureanu P.**, Overview on Co-Cr alloys used in medical applications, 13th International Conference on Materials Science and Engineering – BRAMAT 2024, 13-16 Martie 2024, Brasov, Romania (poster presentation). **10/6=1,66** 2.3.5. Burduhos Nergiș D.D., Sandu A.V., Baltatu M.S., Achitei D.C., Perju M.C., Burduhos Nergiș D.P., **Vizureanu P.**, Micro-Characterization of Ternary Geopolymers with Fly Ash, Red Mud and Flue Gas Desulfurization Waste, EUROINVENT-ICIR 2024, International Conference on Innovative Research, Iasi, 6-7.06.2024 (poster presentation). **10/7=1,42** 2.3.6. Căpățînă G., **Vizureanu P.**, Bălțatu M.S., Sandu A.V., Dragos Cristian Achitei D.C., Rotaru B.A., Insights into New Materials for Stab Vests, EUROINVENT-ICIR 2024, International Conference on Innovative Research, Iasi, 6-7.06.2024 (poster presentation). **10/6=1,66** 2.3.7. Mazilu M.A., Ion Ghiculescu I., **Vizureanu P.**, Bălțatu M.S., Titanium: The Metal Shaping Modern Medicine, Aerospace and Automotive Industries, EUROINVENT-ICIR 2024, International Conference on Innovative Research, Iasi, 6-7.06.2024 (poster presentation). **10/4=2,50** 2.3.8. **Vizureanu P.**, Bălțatu M.S., Sandu A.V., Achitei D.C., Perju M.C., Burduhos Nergis D.D., Advancing Biomedical Applications: Ti-Mo-Nb-Sn Alloys, EUROINVENT-ICIR 2024, International Conference on Innovative Research, Iasi, 6-7.06.2024 (poster presentation). **10/6=1,66** 2.3.9. Tofan Mihai, **Vizureanu P.**, Bălțatu M.S., Minciuna M., Research Progress on the Complex Analysis of Top Cobalt and Titanium-Based Biomaterials, EUROINVENT-ICIR 2024, International Conference on Innovative Research, Iasi, 6-7.06.2024 (poster presentation). **10/4=2,50** 2.3.10. Ghiculescu I., **Vizureanu P.**, Burduhos-Nergis D.D., Bălțatu M.S., A Comparative Study of Ti-Mo-Zr-Ta and Ti6Al4V Alloy, EUROINVENT-ICIR 2024, International Conference on Innovative Research, Iasi, 6-7.06.2024 (poster presentation). **10/4=2,50** 2.3.11. Cristian-Stefan BUNDUC, **Petrica VIZUREANU**, Andrei-Victor SANDU, Costica BEJINARIU, Polymer Matrix Composites: A Short Review, EUROINVENT-ICIR 2024, International Conference on Innovative Research, Iasi, 6-7.06.2024 (poster presentation). **10/4=2,50** 2.3.12. W. IBRAHIM, Mohd Mustafa Al Bakri ABDULLAH, Noorina Hidayu JAMIL, Hasmaliza MOHAMAD, Mohd Arif Anuar Mohd SALLEH, **Petrica VIZUREANU**, Effect of Sintering Temperature on Structural, Physical and Mechanical Properties of the Activated-HAp Ceramic Wan Mohd Arif, EUROINVENT-ICIR 2024, International Conference on Innovative Research, Iasi, 6-7.06.2024 (poster presentation). **10/6=1,66** 2.3.13. Diana-Petronela BURDUHOS-NERGIS, **Petrica VIZUREANU**, Andrei Victor SANDU, Dumitru-Doru BURDUHOS-NERGIS, Costica BEJINARIU, Corrosion Behaviour of Ca-Zn Phosphate Coating Deposited on Ti6Al4V, EUROINVENT-ICIR 2024, International Conference on Innovative Research, Iasi, 6-7.06.2024 (poster presentation). **10/5=2,00** 2.3.14. Manuela-Cristina PERJU, Elena-Luiza EPURE, Carmen NEJNERU, Ramona CIMPOESU, **Petrica VIZUREANU**, Andrei Victor SANDU, Influence of Temperature on Properties of the Carboxymethyl Cellulose Quenching Environment, EUROINVENT-ICIR 2024, International Conference on Innovative Research, Iasi, 6-7.06.2024 (poster presentation). **10/6=1,66** 2.3.15. Bogdan Andrei ROTARU, **Petrica VIZUREANU**, Ioan Gabriel SANDU, Dragos Cristian ACHITEI, Georgeana CĂPĂȚÎNĂ, Andrei Victor SANDU, Manuela Cristina PERJU, EUROINVENT-ICIR 2024, Advanced Materials for Telescopic Poles: A Multidisciplinary Approach, International Conference on Innovative Research, Iasi, 6-7.06.2024 (poster presentation). **10/7=1,42** 2.3.16. Olga V. IVANOVA, Vitaliy V. SAVINKIN, Amandyk K. TULESHOV, Andrei Victor SANDU, **Petrica VIZUREANU**, The Influence of Vibration Frequency on the Physical and Mechanical Properties of Pump Materials, EUROINVENT-ICIR 2024, Advanced Materials for Telescopic Poles: A Multidisciplinary Approach, International Conference on Innovative Research, Iasi, 6-7.06.2024 (poster presentation). **10/5=2,00**	
	2.4. Lucrări publicate în volumele conferinţelor **a. volume indexate ISI (12,87)** **Realizări:** 2.4.1. Jiménez-Marcos C., Baltatu M.S., Florido-Suárez N.R., Socorro-Perdomo P.P., Vizureanu P., Mirza-Rosca J.C. Mechanical properties and corrosion resistance of two new titanium alloys for orthopaedics applications, Materials Today: Proceedings, 2022. https://doi.org/10.1016/j.matpr.2022.09.394. **50/6=8.33** **b. volume indexate BDI (35)** ***2.4.c. volume neindexate BDI***	**8,33**

	2.5. Brevete acordate, produse omologate **Realizări:** 2.5.1. VIZUREANU P, Solar furnace for processing materials, has rotary working enclosure provided with metal envelope in which cut with opening is set , where solar radiation collected by solar energy supply system is projected to interior of enclosure, Patent Number(s): RO126961-A2 (60,00) 2.5.2. VIZUREANU P, PREDESCU A, Expert system for the control of thermal systems, consists of a software component loaded in a computer and a hardware component consisting of a parallel programmable interface. Patent Number(s): RO126973-A2 (30,00) 2.5.3. SANDU A V, BEJINARIU C, SANDU I G, VIZUREANU P, SANDU I, BACIU C, VASILACHE V, PROCESS FOR CORROSION-PROTECTION OF IRON PIECES BY PHOSPHATING IN AQUEOUS SYSTEM, Patent Number(s): RO128933-A2 (8,57) 2.5.4. VIZUREANU P, STEFANICA R G, ACHITEI D C, NEJNERU C, PERJU M C, Thermal treatment installation for cyclic ageing of aluminium alloys, Patent Number(s): RO128420-A2 (12,00) 2.5.5. VIZUREANU P, ACHITEI D C, NEJNERU C, PERJU M C, STEFANICA R G, INSTALLATION FOR THERMO-MECHANICAL FATIGUE TESTING OF ALLOYS WITH SHAPE MEMORY, Patent Number(s): RO128422-A2 (12,00) 2.5.6. RAILEANU T, HOPULELE I, FLORESCU A, COMANECI R, BEJINARIU C, SUSAN M, VIZUREANU P, BADARAU G, GRANCEA V, Mould mix moisture content continuous automatic metering technique, Patent Number(s): RO116362-B1 (6,66) 2.3.7. BURDUHOS NERGIȘ Dumitru Doru, VIZUREANU Petrică, CORBU Ofelia-Cornelia, ABDULLAH Mohd Mustafa Al Bakri, SANDU Victor-Andrei, Ecological geopolymer based on power-plant ash and glass powder from recycled wastes, for applications in the field of constructions, and process for preparing the same, Patent RO134321 / 2024. P=60/5 = 12 2.3.8. TOMA Ștefan Lucian, SAVIN Gabi, TOMA Bogdan Florin, BEJINARIU Costica, IONIȚĂ Iulian, VIZUREANU Petrică, BĂDĂRĂU Gheorghe, SANDU Andrei Victor, CAZAC Alin, BURDUHOS – NERGIȘ Diana – Petronela, Nozzle system used in electric arc thermal metal spray, Brevet OSIM RO134208B1 / 2024. P=60/10 = 6	**147,23**
	2.6. Proiecte/ Contracte/ Granturi de cercetare-dezvoltare câştigate prin competiţie 2.6.1. Director pentru Proiectul „Environmental footprint reduction though eco-friendly technologies of mine tailings recycling", COFUND-ERAMIN-3-RecMine, Director proiect: Vizureanu Petrică, Durata proiect: 2022 – 2024; 20x189675/10000=361,35 2.6.2. Director pentru Contractul de finanțare: PNCDI IV ERA NET nr. 8/2024, Programul: ERA-MIN3 Joint Transnational Call 2023, Finantator: Comisia Europeana, Horizont 2020 prin UEFISCDI, Denumirea proiectului: A new generation of metallic biomaterials as health solution for a sustainable life - Cool&SmarTit, Contractor: Universitatea Tehnică „Gheorghe Asachi", Valoarea proiectului: 1238250 lei; Valoare 2024: 450000 lei; Punctaj: 20x 450000 /10000 =900 2.6.3. Responsabil pentru Contract de finanțare: 101124670, Programul: EMFAF-2023-PIA-FLAGSHIP, Finantator: European Climate, Infrastructure and Environment Executive Agency, Grant managed through EU Funding & Tenders Portal: Yes (eGrants), Denumirea proiectului: Harnessing complementary curricular preparedness via sustainable management in response to civil and military pollution on the coastline, tributaries and lagoons in Black Sea's North, West, South zone - Black Sea SIERRA, Contractor: Universitatea Tehnică „Gheorghe Asachi"; Valoarea proiectului: 299995 lei; Valoare 2024: 71859,5; Punctaj 20x 71859,5 /10000= 142,719 2.6.4. Membru in Contractul de finanțare: ARUT GNaC 2023_271/2024, Programul: National Research Grants – ARUT, Finantator: Fondul pentru Finanțarea Cercetării Științifice Universitare, contract CNFIS-FDI-2024-0598 and "Gheorghe Asachi" Technical University from Iasi (TUIASI), Denumirea proiectului: Innovative products based on Geopolymer composites with waste wood addition (Pre-Geo), Contractor: Universitatea Tehnică „Gheorghe Asachi"; Director de proiect: Dumitru Doru Burduhos Nergis, Valoarea proiectului: 50.000 lei; Valoare 2024: 34422,95; Punctaj/membru in echipa: 15x 34422,95 /10000/ 3=17,21	**1421,28**
	2.7. Proiecte/ Contracte/ Granturi de cercetare-dezvoltare încheiate cu institute de cercetare, companii, regii, societăți comerciale	
	2.8. Creaţii de arhitectură, urbanism, restaurări, design şi arte plastice efectuate prin Universitate	
	2.9. Citări în reviste cotate ISI sau indexate în baze de date internaţionale (BDI) **Realizări (2014-2023): 1274 citari x 5 = 6370 p**	**6934,00**



Citari ISI 1362 x 5 = 6810 , citari conferinte ISI 62 x2 = 124, Diferenta Citari BDI-SCOPUS = 1629-(1362+62) = 205 x 3 = 615. TOTAL PCT CITARI = 7549

Citari BDI (2015-2024) : **615,00**

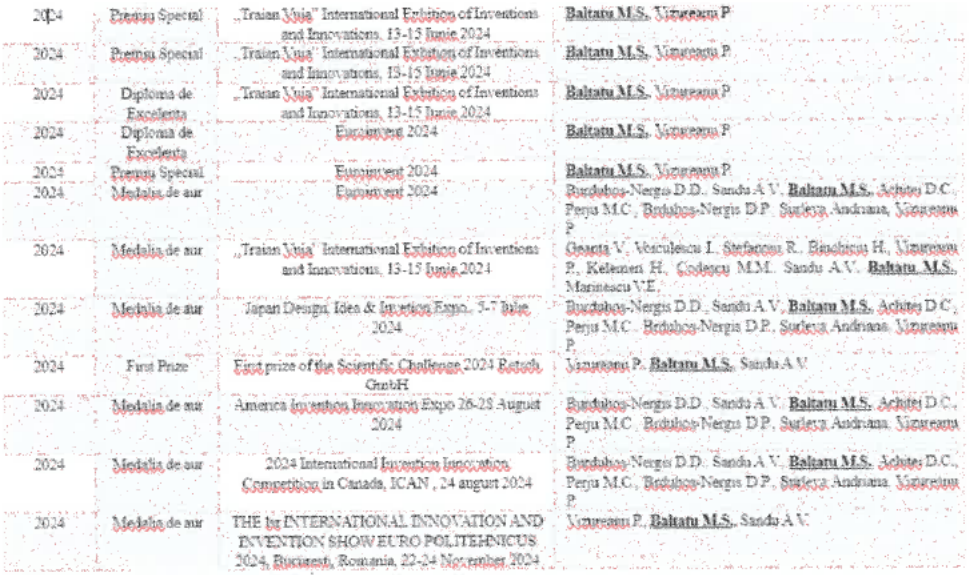


2.10. Finalizare teză de doctorat

2.11. Elaborare standarde

Total punctaj Criteriu 2		**12686,58**
3. Recunoaşterea naţională şi internaţională (minimum: • 15 puncte prof.; • 10 puncte conf.; • 5 puncte ş. l.)	**3.1.** Profesor invitat pentru prelegeri la univ. de prestigiu **Realizări:** 3.1.1. BIOMMED 2022 – 5 3.1.2. ICCECIP 2022, Ungaria - 10 3.1.3. Malaezia iunie 2023 – 10 3.1.4. Serbia. SATCIPC 2024 – 10	**35**
	3.2. Membru în academii (Academia Română, Academia de Ştiinţe Tehnice, Academia de Ştiinţe Agricole şi Silvice, Academia Oamenilor de Ştiinţă etc.) 3.2.1. Membru asociat ASTR	**50**
	3.3. Doctor Honoris Causa	
	3.4. Membru în societăţi ştiinţifice şi profesionale (AGIR, asociaţiile absolvenţilor etc.) **Realizări:** 3.4.1. ASM International, U.S.A., de la 13.12.2007, legitimaţia nr. 542373 - 10 3.4.2. AGIR, membru, legitimaţia nr. 58516. - 5 3.4.3. Materials Research Society, U.S.A. de la 01.01.2007 - 10 3.4.4. Societatea de Ştiinţe Matematice din România, legitimaţia nr. 227 - 5 3.4.5. Asociaţia Turnătorilor din România – 5 3.4.6. Forumul Inventatorilor Romani - 5 3.4.7. Membru al Societaţii Române de Biomateriale din 2013 -(5.00) 3.4.2 Membru al Asociaţiei Profesionale ModTech Romania - (5.00)	**50**
	3.5. Membru în comisii de doctorat **Realizări:** 3.5.1. Membru in comisia pentru colocviu de admitere – septembrie 2024 – 20 candidaţi – 20p	**50**

	3.5.2. Membru in comisii de doctorat Antoniac, Miculescu x2, Benea – **20 p** 3.5.3. Membru incomisii de doctorat internationale Suriani – **10 p**	
	3.6. Membru în colective de redacţie ale revistelor **Realizări:** 3.6.1. member of the Editorial board of the *International Journal on Heat and Mass Transfer - Theory and Applications (IREHEAT* http://www.praiseworthyprize.com/ireheat_editorial_board.htm) - 10. 3.6.2. Revista ATTIS – 10 3.6.3. International Journal of Conservation Science – 10 3.6.4. International Journal of Mining Science – 10 3.6.5. American Journal of Bioengineering and Biotechnology – 10 3.6.6. European Journal of Materials Science and Engineering -10 3.6.7. Coatings - 20	**80**
	3.7. Membru în comitete ştiinţifice naţionale/ internaţionale/ de program (la congrese, conferinţe etc.) **Realizări:** 3.7.1. MODTECh 2024 - 10 3.7.2. Romat 2024 - 10 3.7.3. Euroinvent 2024 - 10 3.7.4. ICIR 2024 – 10 3.7.5. ICCECIP 2024 – 10 3.7.6. Bramat 2024 – 10 3.7.7. BiomaH 2024 - 10	**70**
	3.8. Membru în echipe de expertizare / evaluare a cercetării ştiinţifice (proiecte CNCS, PNCDI II, FP7, Phare; centre de cercetare etc.) 3.8.1. ESR EC – 2x10p = 20p 3.8.2. Pathfinder 2 EU = 5x10p = 50p 3.8.3. Pathfinder 4 EU = 6x10p = 60p 3.8.4. Eurostars = 1x10p=10p 3.8.5. GNAC Cluj = 1x5p = 10p 3.8.6. Hong Kong = 3x10p = 30p 3.8.7. Letonia = 1x10p = 10p 3.8.8. Olanda = 1x10p = 10p 3.8.9. Polonia = 13x10p = 130p 3.8.10. Qatar = 1x10p = 10p 3.8.11. PTE = 1x5p = 5p 3.8.12. RO-FR = 4x5p = 20p 3.8.13. RO-TR = 5x5p = 25p	**390**
	3.9. Membru în echipe de expertizare (evaluare) a procesului educaţional (ARACIS, EUA etc.) **Realizări:** 3.9.1. Comisie evaluare universitatea KOSOVO = 1x10p = 10p	**10**
	3.10. Membru în consilii naţionale de specialitate 3.10.1. Membru Comisia de Ingineria Materialelor – CNATDCU – 15	**15**
	3.11. Organizator de manifestări ştiinţifice naţionale / internaţionale / sesiuni invitate **Realizări:** 3.11.1. EUROINVENT 2024 – (10) 3.11.2. Chairman ICIR EUORINVENT 2024 – 15	**25**
	3.12. Referent ştiinţific / expert naţional şi internaţional (pentru reviste, congrese etc.) **Realizări:** 3.12.1. IIIS.ORG (4) – 20 pct 3.12.2. DESMSET (2) – 20 pct 3.12.3. Materials and Design (3) – 30 pct. 3.12.4. JOLT (3) – 30 pct 3.12.5. JALCOM (5) – 50 pct 3.12.6. Mat Chem Phys. (1) – 10 pct 3.12.7. Mat Letters (2) – 20 pct. 3.12.8. ICAI Bulgaria (2) – 20 pct. 3.12.9. AMM (4) – 40 pct. 3.12.10. J Build Eng (30) – 300 pct. 3.12.11. JMRT (11) – 110 pct. 3.12.12. Hyb Advances (2) – 20 pct. 3.12.13. HZENG (2) – 20 pct 3.12.14. Helyion (2) – 20 pct 3.12.15. Vietnam JChem (1) – 10 pct 3.12.16. Ceramic Intern (2) – 20 pct. 3.12.17. J Adh Sci Tehn (1) – 10 pct 3.12.18. JPAM (1) – 10 pct 3.12.19. ETASR (1) – 10 pct 3.12.20. Mat Characteriz (2) – 20 pct 3.12.21. J Mag Alloys (1) – 10 pct. 3.12.22. MSEA (1) – 10 pct 3.12.23. Phys Scripta (1) – 10 pct 3.12.24. JETSCH (1) – 10 pct 3.12.25. JPSE (1) – 10 pct 3.12.26. JJMIE (1) – 10 pct 3.12.27. J Rare Earths (2) – 20 pct	**950**

	3.12.28. ACS Biomat (1) – 10 pct 3.12.29. Env Res (4) – 40 pct 3.12.30. J Energy Sto (1) – 10 pct 3.12.31. Next Mat (2) – 20 pct	
	3.13. Membru în comisii de concurs pentru posturi didactice universitare **Realizări:** 3.13.1. Membru în comisia de concurs pentru ocuparea postului de profesor/conferentiar	**0**
	3.14. Membru în jurii, comisii, concursuri profesionale 3.14.1. Președinte al Comisiei de inventariere anuală pentru Departamentul IMSI 3.14.2. Președinte al Comisiei de inventariere anuală pentru Departamentul TEPM	**10**
	3.15. Cercetător invitat pentru activități de cercetare în universități/firme de prestigiu	
	3.16. Cadru didactic invitat în programe ERASMUS (prelegeri)	**0**
	3.17. Cadru didactic care gestioneaza acorduri bilaterale ERASMUS 3.17.1. Acord Universiti Perlis Malaysia 2022-2027 3.17.2. Acord Israel 2022-2027 3.17.3. Acord Taiwan 2022-2027 3.17.4. Acord Univiersiti Terengannu Malaysia 2022-2027 3.17.5. Acord Universite IBN TOFAIL, Benil Mellali, Maroc, 2020-2025 3.17.6. Acord Nagoya University, Japonia, 2019-2024 3.17.7. Acord Brazilia, 2020-2024 3.17.8. Acord Argentina, 2020-2024 3.17.9. Acord Polonia, Szcseczin 2019-2024 3.17.10. Acord Polonia, Kazimir University, 2019-2024 3.17.11. Acord Ungaria, Obuda University, 2019-2024 3.17.12. UCTM Bulgaria, 2022-2027	**60**
	3.18. **Realizări:** **8p x 20 = 160** **4 x 10 = 40** 	**200**

2024	Premiu Special	„Traian Vuia" International Exhibition of Inventions and Innovations, 13-15 Iunie 2024	Baltatu M.S., Vizureanu P.
2024	Premiu Special	„Traian Vuia" International Exhibition of Inventions and Innovations, 13-15 Iunie 2024	Baltatu M.S., Vizureanu P.
2024	Diploma de Excelenta	„Traian Vuia" International Exhibition of Inventions and Innovations, 13-15 Iunie 2024	Baltatu M.S., Vizureanu P.
2024	Diploma de Excelenta	Euroinvent 2024	Baltatu M.S., Vizureanu P.
2024	Premiu Special	Euroinvent 2024	Baltatu M.S., Vizureanu P.
2024	Medalia de aur	Euroinvent 2024	Burduhos-Nergis D.D., Sandu A.V., Baltatu M.S., Achiței D.C., Perju M.C., Burduhos-Nergis D.P., Sudeya Andriana, Vizureanu P.
2024	Medalia de aur	„Traian Vuia" International Exhibition of Inventions and Innovations, 13-15 Iunie 2024	Geanta V., Voiculescu I., Stefanoiu R., Binchiciu H., Vizureanu P., Kelemen H., Codescu M.M., Sandu A.V., Baltatu M.S., Marinescu V.E.
2024	Medalia de aur	Japan Design Idea & Invention Expo, 5-7 Iulie 2024	Burduhos-Nergis D.D., Sandu A.V., Baltatu M.S., Achiței D.C., Perju M.C., Burduhos-Nergis D.P., Sudeya Andriana, Vizureanu P.
2024	First Prize	First prize of the Scientific Challenge 2024 Retech GmbH	Vizureanu P., Baltatu M.S., Sandu A.V.
2024	Medalia de aur	America Invention Innovation Expo 26-28 August 2024	Burduhos-Nergis D.D., Sandu A.V., Baltatu M.S., Achiței D.C., Perju M.C., Burduhos-Nergis D.P., Sudeya Andriana, Vizureanu P.
2024	Medalia de aur	2024 International Invention Innovation Competition in Canada, ICAN , 24 august 2024	Burduhos-Nergis D.D., Sandu A.V., Baltatu M.S., Achiței D.C., Perju M.C., Burduhos-Nergis D.P., Sudeya Andriana, Vizureanu P.
2024	Medalia de aur	THE 1st INTERNATIONAL INNOVATION AND INVENTION SHOW EURO POLITEHNICUS 2024, Bucuresti, Romania, 22-24 November 2024	Vizureanu P., Baltatu M.S., Sandu A.V.

Total punctaj Criteriu 3		**1995**
4. Activitatea cu studenții (minimum: • 10 puncte prof.; • 7 puncte conf.; • 5 puncte ș.l.)	4.1. Conducere cercuri științifice studențești Realizări: 2 x 3=6	**6**
	4.2. Pregătire pentru concursuri profesionale (pentru fazele națională și internațională)	
	4.3. Conducere lucrări de absolvire[2], licență (diplomă), disertație, doctorat ((inclusiv cotutelă, membri în echipa de îndrumare) **Realizări:** 4.3.1. 5 lucrări de licență (**3x5=15p**) 4.3.2. 5 lucrări de dizertație (**5x5=25p**)	**40**
	4.4. Îndrumare ani de studii	
	4.5. Organizarea de excursii de studii, prezentarea ofertei educaționale a universității în licee	
	4.6. Activități cu studenți ERASMUS	
Total punctaj Criteriu 4		**46**
5. Activitatea în	**5.1.** Participare la mese rotunde, dezbateri organizate la nivelul facultății/ universității etc. 5.1.1. Workshop pentru Proiectul A new generation of metallic biomaterials as health solution for	**15**

comunitatea academică (minimum: • 15 puncte prof.; • 10 puncte conf.); • 5 puncte ș.l.,	a sustainable life - Cool&SmarTit, Contractor: Universitatea Tehnică „Gheorghe Asachi", Director proiect: Vizureanu Petrică: Iunie 2024 Romania , **Iasi**	
	5.2. Activitate în comisii **Realizări:** 5. 2. 1Consiliu departament - 3 5. 2. 2Comisie de licenta EPI, Comisie master SITM – 6 5. 2. 3.Consiliu facultate – 5	**14**
	5.3. Coordonare programe de studii de licență/ masterat/ postuniversitare de formare continuă **Realizări:** 5.3.1. Coordonator program de studii EPI – 5 5. 3. 2.Coorodnator domeniu Ingineria Mecanica, program de master SITM – 5	**10**
Total punctaj Criteriu 5		**39.00**
Total punctaj Criterii 1-5		**14913,30**
6. Evaluarea de către Directorul de Departament (0-50 puncte)	**Justificări:** • .....; • .....; •	**50**
Total general		**14963,30**

Data: 18.06.2024

	Funcție didactică/ Nume și prenume	**Semnătura**
Director Departament	**Prof. univ. dr. ing. Petrică VIZUREANU**	
Cadru didactic evaluat	**Prof. univ. dr. ing. Petrică VIZUREANU**	

UNIVERSITATEA TEHNICĂ „GHEORGHE ASACHI" DIN IAŞI

FACULTATEA DE ŞTIINŢA ŞI INGINERIA MATERIALELOR

DEPARTAMENTUL DE TEHNOLOGII ŞI ECHIPAMENTE PENTRU PROCESAREA MATERIALELOR

FIŞA DE AUTOEVALUARE
Şi DE EVALUARE DE CĂTRE DIRECTORUL DE DEPARTAMENT

(pentru activitatea în departamentul de încadrare conform contractului de muncă)

Numele şi prenumele cadrului didactic evaluat	**VIZUREANU PETRICĂ**
Funcţia didactică	**PROFESOR**

Criteriul de evaluare	Indicatori de performanţă (cu explicitarea modului de calcul a punctajului pentru fiecare realizare, conf. Anexa 1)	Punctaj
1. Activitate didactică (minimum: • 30 puncte prof.; • 15 puncte conf.; • 10 puncte ş.l.; • 5 puncte as.)	**1.1.** Predare discipline/ cursuri noi în planul de învăţământ, pe direcţii neelaborate anterior (se punctează nr. de discipline noi) 1.1.1. Sisteme neconventionale pentru tehnologii moderne, anul II, SITM **20p** 1.1.2. Curs – Materiale ceramice **20 p** 1.1.3 Curs - Utilaje pentru ingineria materialelor **20p**	**60**
	1.2. Elaborare manuale universitare (inclusiv în sistem e-learning) 1.2.1. **Vizureanu P.**, Baltatu M.S., Titanium-Based Alloys for Biomedical Applications, editura Materials Research Forum LLC, volume 74 (2020) ISSN 2471-8890, 160 pag. **40 x(160/100)/2= 32p** 1.2.2. **Petrică Vizureanu**, Mădălina Simona Bălţatu, Andrei Victor Sandu, Chapter title: Development of New Advanced Ti-Mo Alloys for Medical Applications, IntechOpen Books, 2020 DOI: http://dx.doi.org/10.5772/intechopen.91906, 19 pag. **40x(19/100)/4 =2,53p** 1.2.3. V. Geanta, I. Voiculescu, **P. Vizureanu**, A.V. Sandu, Chapter title: High Entropy Alloys for Medical Applications, High Entropy Alloys, IntechOpen Books, 2019, (DOI: 10.5772/intechopen.89318), 17 pag. **40x(17/100)/4 =1,7p** 1.2.4. Vizureanu P., Burduhos Nergis D.D., Sandu A.V., Burduhos Nergis D.P., Baltatu M.S., The Physical and Mechanical Characteristics of Geopolymers Using Mine Tailings as Precursors, IntechOpen, 2021, DOI: 10.5772/intechopen.97807 **40x(21/100)/5=1,68p** 1.2.5. Vizureanu P., Bălţatu M.S., Sandu A.V., Achitei D.C., Burduhos Nergis D.D., Perju M.C., New Trends in Bioactive Glasses for Bone Tissue: A review, Current Concepts in Dental Implantology - From Science to Clinical Research, IntechOpen, 2021, DOI: http://dx.doi.org/10.5772/intechopen.100567 23 pag. **40x(23/100)/6 =1,53p** 1.2.6. Vizureanu P., Burduhos-Nergis D.D., Green Materials Obtained by Geopolymerization for a Sustainable Future, editura Materials Research Forum LLC, vol. 90 (2021) ISBN 978-1-64490-112-0, 212 pag. **40 x(212/100)/2= 42,4p** 1.2.7. Vizureanu P., Bălţatu M.S., Sandu A.V., Achitei D.C., Burduhos Nergis D.D., Perju M.C., Assessment of Solar Energy Potential Limits within Solids on Heating-Melting Interval, Capitol IntechOpen, (DOI: 10.5772/intechopen.104847) **40x(25/100)/6 = 1,66 p** 1.2.8. Dumitru Doru Burduhos-Nergis, Petrica Vizureanu, Andrei Victor Sandu, Rafiza Abdul Razak, Romisuhani Ahmad, Chapter 1: Bibliometric Analysis of Research Trends in Geopolymers, in Book Title: Geopolymers: Properties and Applications 1st Edition, CRC Press; 1st edition (November 22, 2023), ISBN-10 : 1032486716, ISBN-13 : 978-1032486710, pages :1-17. **40x(17/100)/5 =1,36p** 1.2.9. Andrei Victor Sandu, Dumitru Doru Burduhos-Nergis, Petrica Vizureanu, Mohd Mustafa Al Bakri Abdullah, Liyana Jamaludin. Chapter 2: Geopolymers Overview, in Book Title: Geopolymers: Properties and Applications 1st Edition, CRC Press; 1st edition (November 22, 2023), ISBN-10 : 1032486716, ISBN-13 : 978-1032486710, pages :18-41. **40x(23/100)/5 =1,84p** 1.2.10. Rafiza Abdul Razak, Alida Abdullah, Mohd Mustafa Al Bakri Abdullah, Petrica Vizureanu, Eva Arifi, Andrei Victor Sandu, Chapter 4: Geopolymer Lightweight Aggregate in Book Title: Geopolymers: Properties and Applications 1st Edition, CRC Press; 1st edition (November 22, 2023), ISBN-10 : 1032486716, ISBN-13 : 978-1032486710, pages :52-61. **40x(9/100)/6 =0,6p** 1.2.11. Liyana Jamaludin, Mohd Mustafa Al Bakri Abdullah, Shamala A.P. Ramasamy, Petrica Vizureanu, Chapter 8: Geopolymers as Coating Material, in Book Title: Geopolymers: Properties and Applications 1st Edition, CRC Press; 1st edition (November 22, 2023), ISBN-10 : 1032486716, ISBN-13 : 978-1032486710, pages :96-110. **40x(14/100)/5 =1,12p**	**88,42**
	1.1. Elaborare suporturi de cursuri, seminarii, laboratoare, proiecte	

	1.2. Elaborare manuale şi alte materiale pentru învăţământul preuniversitar	
	1.3. Modernizare tehnologie didactică din alte surse decât din cele publice (donaţii, sponsorizări etc.)	
Total punctaj Criteriu 1		**148,42**
2. Cercetarea ştiinţifică (minimum: • 150 puncte prof.; • 100 puncte conf.; • 60 puncte ş.l.; • 30 puncte asist.)	**2.1.** Elaborare cărţi/ monografii/ tratate **Realizări:** 2.1.1. Baltatu M.S., **Vizureanu P.**, Materiale Biocompatibile, editura PIM, ISBN : 978-606-13-5168-8, 2019, 146 pagini . **20 x (146/100) / 2 = 14,6 p** 2.1.2. **Vizureanu, P.** – editor, Thermodynamics and Energy Engineering, Intech Open, 2020, ISBN 978-1-83880-569-2, DOI: 10.5772/intechopen.79004, 257 pag.. **50x(257/100)=128,5** **2.1.3.** Minciuna M.G., Vizureanu P., Baltatu M.S., Sisteme Moderne Pentru Aplicaţii Medicale, Editura PIM, 2022, 135 pagini **20 x (135/100) / 3 = 9 p** 2.1.4. Baltatu M.S., Burduhos-Nergis D.D., Burduhos-Nergis D.P., Vizureanu P., Advanced Metallic Biomaterials, Materials Research Foundations Vol. 118, 162 Pages, Print ISBN 978-1-64490-176-2, DOI: 10.21741/9781644901779 **50 x(162/100)/4 = 20,25 p** 2.1.5. Burduhos-Nergis D.P., Burduhos-Nergis D.D., Baltatu M.S. , Vizureanu P., Advanced Coatings for the Corrosion Protection of Metals, Material Research Forum, USA (ISBN 978-1-64490-166-3), 152 p., DOI: 10.21741/9781644901670. **50 x(152/100)/4 = 19,0 p** 2.1.6. Burduhos-Nergis D.D., Burduhos-Nergis D.P., Baltatu M.S., Vizureanu P., Ceramics and Composites, Preparation and Applications, Materials Research Foundations, vol. 117, ISBN 978-1-64490-170-0, doi: 10.21741/9781644901717. **50 x(117/100)/4 = 14,63 p** 2.1.7. **Vizureanu, P.** – editor, Botelho C.M.D.C.F.- co-editor, Biomaterials, Intech Open, 2020, ISBN: 978-1-78984-465-8, DOI: 10.5772/intechopen.87369, 149 pag. , **50x(149/100)/2=37,25** 2.1.8. T.Y. Ratushnaya, V.V. Savinkin, A.V. Sandu and **P. Vizureanu**, Technologies for Plasma Renovation of the Phase Structure of Substandard Turbine Blades of CHP, Materials Research Foundations Vol. 150, Publication Date 2023, 98 Pages, Print ISBN 978-1-64490-264-6 (release date September 2023), ePDF ISBN 978-1-64490-265-3, DOI: https://doi.org/10.21741/9781644902653 **50x(98/100)/4=12,5 p** 2.1.9. **Petrica Vizureanu,** Editor, Future Trends in Advanced Materials and Processes, Published in Materials February 2023, 352 pages, ISBN 978-3-0365-6470-8 (hardback); ISBN 978-3-0365-6471-5 (PDF), https://doi.org/10.3390/books978-3-0365-6471-5. **50x(352/100)/1=172 p** 2.1.10. **Vizureanu, P.,** - editor, Latest Research on Energy Recovery, Intech Open, 2023, 150 pag. ISBN 978-1-80355-610-9 **50x(150/100)/1=75 p**	**502,73**
	2.2. Articole publicate în reviste de specialitate a. reviste cotate ISI Realizări: 1. Baltatu, M.S.; Vizureanu, P.; Sandu, A.V.; Solcan, C.; Hritcu, L.D.; Spataru, M.C. Research Progress of Titanium-Based Alloys for Medical Devices. Biomedicines 2023, 11, 2997. https://doi.org/10.3390/biomedicines11112997 **(30+40 x 4.6)/6= 35,66** 2. Garus, S.; Sochacki, W; Garus, J ; Rzacki, J; Vizureanu, P; Sandu, AV, Transmission of a Phononic Superlattice Made of Dynamic Materials, ACTA PHYSICA POLONICA A, Volume 144, Issue 5, Page 317-321, DOI10.12693/APhysPolA.144.317 **(30+40 x 0,7)/6= 9,66** 3. Baltatu, M.S.; Vizureanu, P.; Sandu, A.V. Special Issue on Modern Biomaterials: Latest Advances and Prospects. Appl. Sci. 2023, 13, 11450. https://doi.org/10.3390/app132011450 **(30+40 x 2.7)/3= 46** 4. Nurul Aqilah Mohamad , Sofiah Hamzah EMAIL logo , Nur Hanis Hayati Hairom , Mohd Salleh Amri Zahid , Khairol Annuar Mohd Ali , Che Mohd Ruzaidi Ghazali , Andrei Victor Sandu EMAIL logo , Mohd Mustafa al Bakri Abdullah, Petrica Vizureanu, Poly-ferric sulphate as superior coagulant: A review on preparation methods and properties, REVIEWS ON ADVANCED MATERIALS SCIENCE, https://doi.org/10.1515/rams-2022-0327 **(30+40 x 3,6)/9= 19,33** 5. Mustapa, N.B.; Ahmad, R.; Al Bakri Abdullah, M.M.; Ibrahim, W.M.W.; Sandu, A.V.; Nemes, O.; Vizureanu, P.; Kartikowati, C.W.; Risdanareni, P. Effect of the Sintering Mechanism on the Crystallization Kinetics of Geopolymer-Based Ceramics. Materials 2023, 16, 5853. https://doi.org/10.3390/ma16175853 **(30+40 x 3,4)/9= 18,44** 6. Oláh, A.; Machedon-Pisu, T.; Vizureanu, P. Wearing Resistance of Metal Coating Layers after Laser Beam Heat Treatment. Coatings 2023, 13, 1645. https://doi.org/10.3390/coatings13091645 **(30+40 x 3,4)/3= 55,33** 7. Dumitru Doru Burduhos-Nergis, Petrica Vizureanu, Andrei Victor Sandu, Nicanor Cimpoeşu, MECHANICAL PERFORMANCE OF FLY ASH BLENDED GEOPOLYMER COMPOSITE REINFORCED WITH RECYCLED GLASS FIBERS, Environmental Engineering and Management Journal August 2023, Vol. 22, No. 8, 1329-1339, http://www.eemj.icpm.tuiasi.ro/; http://www.eemj.eu, http://doi.org/10.30638/eemj.2023.110 **(30+40 x 1,1)/4= 18,5** 8. Jimenez-Marcos, C.; Mirza-Rosca, J.C.; Baltatu, M.S.; Vizureanu, P. Effect of Si Contents on the Properties of Ti15Mo7ZrxSi Alloys. Materials 2023, 16, 4906. https://doi.org/10.3390/ma16144906 **(30+40 x 3,4)/4= 41,5** 9. Kong, L.; Heydari, Z.; Lami, G.H.; Saberi, A.; Baltatu, M.S.; Vizureanu, P. A Comprehensive Review of the Current Research Status of Biodegradable Zinc Alloys and Composites for Biomedical Applications. Materials 2 023, 16, 4797. https://doi.org/10.3390/ma16134797 **(30+40 x 3,4)/6= 27,66** 10. Wei, L.K.; Abd Rahim, S.Z.; Al Bakri Abdullah, M.M.; Yin, A.T.M.; Ghazali, M.F.; Omar, M.F.; Nemeş, O.; Sandu, A.V.; Vizureanu, P.; Abdellah, A.E.-h. Producing Metal Powder from Machining Chips Using Ball Milling Process: A Review. Materials 2023, 16, 4635. https://doi.org/10.3390/ma16134635 **(30+40 x 3,4)/10= 16,6**	**2239,25**

11. Lai, Di Sheng, Osman, Azlin Fazlina, Adnan, Sinar Arzuria, Ibrahim, Ismail, Sandu, Andrei Victor, Rahim, Shayfull Zamree Abd and Vizureanu, Petrica. "The role of natural hybrid nanobentonite/nanocellulose in enhancing the water resistance properties of the biodegradable thermoplastic starch" e-Polymers, vol. 23, no. 1, 2023, pp. 20230014. https://doi.org/10.1515/epoly-2023-0014 **(30+40 x 3,7)/7= 25,42**
12. Amli, S.F.M.; Salleh, M.A.A.M.; Aziz, M.S.A.; Yasuda, H.; Nogita, K.; Abdullah, M.M.A.B.; Nemes, O.; Sandu, A.V.; Vizureanu, P. Effects of Multiple Reflow on the Formation of Primary Crystals in Sn-3.5Ag and Solder Joint Strength: Experimental and Finite Element Analysis. Materials 2023, 16, 4360. https://doi.org/10.3390/ma16124360 **(30+40 x 3,4)/9= 18,44**
13. Mustapa, N.B.; Ahmad, R.; Ibrahim, W.M.W.; Abdullah, M.M.A.B.; Wattanasakulpong, N.; Nemeș, O.; Sandu, A.V.; Vizureanu, P.; Sandu, I.G.; Kartikowati, C.W.; et al. Effect of Sintering Mechanism towards Crystallization of Geopolymer Ceramic—A Review. Materials 2023, 16, 4103. https://doi.org/10.3390/ma16114103 **(30+40 x 3,4)/11= 15,09**
14. Nejneru, C.; Cimpoesu, R.; Vizureanu, P.; Epure, E.-L.; Perju, M.C.; Lupescu, Ș.-C. Study on the Thermal Fatigue Effect of Carboxymethylcellulose Solution Media Dissolved in Water as a Quenching Cooling Medium. Appl. Sci. 2023, 13, 6021. https://doi.org/10.3390/app13106021 **(30+40 x 2,7)/6= 23**
15. Benea, L.; Ravoiu Lupu, A.; Bounegru, I.; Vizureanu, P. Effect of Functional Nanoporous TiO2 Film Obtained on Ti6Al4V Implant Alloy to Improve Resistance in Biological Solution for Inflammatory Conditions. Int. J. Mol. Sci. 2023, 24, 8529. https://doi.org/10.3390/ijms24108529 IF:5,6 **(30+40 x 5,6)/4= 63,5**
16. Lates, C.G.; Dumitras, C.G.; Vizureanu, P.; Sandu, A.V. Heat Transfer Optimization of an Electronic Control Unit Immersed in Forced Liquid Coolant. Appl. Sci. 2023, 13, 5310. https://doi.org/10.3390/app13095310 IF:2,7 **(30+40 x 2,7)/4= 34,5**
17. Saleh, S.S.M.; Omar, M.F.; Akil, H.M.; Kudus, M.H.A.; Abdullah, M.M.A.B.; Sandu, A.V.; Vizureanu, P.; Halim, K.A.A.; Rasidi, M.S.M.; Mahamud, S.N.S.; et al. Preparation of Carbon Nanotubes/Alumina Hybrid-Filled Phenolic Composite with Enhanced Wear Resistance. Materials 2023, 16, 2772. https://doi.org/10.3390/ma16072772 IF:3,4 **(30+40 x 3,4)/12= 13,83**
18. Chiriac, G.-G.; Dumitraș, C.G.; Chitariu, D.F.; Vizureanu, P.; Sandu, A.V. Influence of Gravity on Passively Cooled Heat Sink Using Experimental Data and Finite Element Analysis. Processes 2023, 11, 896. https://doi.org/10.3390/pr11030896 IF:3,5 **(30+40 x 3,5)/5= 34**
19. Hashim, A.N.; Salleh, M.A.A.M.; Ramli, M.M.; Abdullah, M.M.A.B.; Sandu, A.V.; Vizureanu, P.; Sandu, I.G. Effect of Isothermal Annealing on Sn Whisker Growth Behavior of Sn0.7Cu0.05Ni Solder Joint. Materials 2023, 16, 1852. https://doi.org/10.3390/ma16051852 IF:3,4 **(30+40 x 3,4)/7= 23,71**
20. Savinkin, V.V.; Ivanova, O.V.; Zhumekenova, Z.Z.; Sandu, A.V.; Vizureanu, P. Effect of New Design of the Laser Installation and Spraying Method on the Physical and Mechanical Properties the Inner Surface a Small Diameter Coated with 15Cr17Ni12V3F35ZrO2. Coatings 2023, 13, 514. https://doi.org/10.3390/coatings13030514 IF:3,4 **(30+40 x 3,4)/5= 33,2**
21. Aziz, I.H.A.; Abdullah, M.M.A.B.; Razak, R.A.; Yahya, Z.; Salleh, M.A.A.M.; Chaiprapa, J.; Rojviriya, C.; Vizureanu, P.; Sandu, A.V.; Tahir, M.F.; et al. Mechanical Performance, Microstructure, and Porosity Evolution of Fly Ash Geopolymer after Ten Years of Curing Age. Materials 2023, 16, 1096. https://doi.org/10.3390/ma16031096 IF:3,4 **(30+40 x 3,4)/12= 13,83**
22. Ibrahim, W.M.A.W.; Abdullah, M.M.A.B.; Jamil, N.H.; Mohamad, H.; Salleh, M.A.A.M.; Sandu, A.V.; Vizureanu, P.; Baltatu, M.S.; Sukmak, P. Alkaline-Activation Technique to Produce Low-Temperature Sintering Activated-HAp Ceramic. Appl. Sci. 2023, 13, 2643. https://doi.org/10.3390/app13042643 IF:2,7 **(30+40 x 2,7)/9= 15,33**
23. Jamaludin, L.; Razak, R.A.; Al Bakri Abdullah, M.M.; Vizureanu, P.; Sandu, A.V.; Abd Rahim, S.Z.; Ahmad, R. Solid-to-Liquid Ratio Influenced on Adhesion Strength of Metakaolin Geopolymer Coating Paste Added Photocatalyst Materials. Coatings 2023, 13, 236. https://doi.org/10.3390/coatings13020236 **(30+40 x 3,4)/7= 23,71**
24. Luhar, I.; Luhar, S.; Abdullah, M.M.A.B.; Sandu, A.V.; Vizureanu, P.; Razak, R.A.; Burduhos-Nergis, D.D.; Imjai, T. Solidification/Stabilization Technology for Radioactive Wastes Using Cement: An Appraisal. Materials 2023, 16, 954. https://doi.org/10.3390/ma16030954 **(30+40 x 3,4)/8= 20,75**
25. Mydin, M.A.O.; Abdullah, M.M.A.B.; Razak, R.A.; Nawi, M.N.M.; Risdanareni, P.; Puspitasari, P.; Sandu, A.V.; Baltatu, M.S.; Vizureanu, P. Study on Polypropylene Twisted Bundle Fiber Reinforced Lightweight Foamed Concrete. Buildings 2023, 13, 541. https://doi.org/10.3390/buildings13020541 IF:3,8 **(30+40 x 3,8)/9=20,22**
26. Redzuan, S.N.; Noor, N.M.; Rahim, N.A.A.A.; Jafri, I.A.M.; Baidrulhisham, S.E.; Ul-Saufie, A.Z.; Sandu, A.V.; Vizureanu, P.; Zainol, M.R.R.M.A.; Deák, G. Characteristics of PM10 Level during Haze Events in Malaysia Based on Quantile Regression Method. Atmosphere 2023, 14, 407. https://doi.org/10.3390/atmos14020407 IF:2,9 **(30+40 x 2,9)/10=14,6**
27. Axinte, M.; Vizureanu, P.; Cimpoesu, N.; Nejneru, C.; Burduhos-Nergis, D.-P.; Epure, E.-L. Analysis of Physicochemical Properties of W1.8507 Steel Parts with Sharp Edges, Thermochemically Treated by Plasma Nitriding with and without Polarized Screens. Coatings 2023, 13, 177. https://doi.org/10.3390/coatings13010177 IF:3,4 **(30+40 x 3,4)/6= 27,66**
28. D.D. Burduhos-Nergis, P. Vizureanu, D.C. Achitei, A.V. Sandu, D.P. Burduhos-Nergis, M.M.A.B. Abdullah, THE INFLUENCE OF SINTERING TEMPERATURE ON THE MICROSTRUCTURE OF COAL-ASH BASED GEOPOLYMERS, Arch. Metall. Mater. 68 (2023), 2, 631-637, DOI: https://doi.org/10.24425/amm.2023.142444 IF:0,6 corresponding author **(30+40 x 0,6)/6= 9**

29. D.-P. Burduhos-Nergis, C. Bejinariu, A.M. Cazac, A.V. Sandu, P. Vizureanu, XRD and STA Characterization of Phosphate Layers Deposited on the Carbon Steel Surface, Arch. Metall. Mater. 68 (2023), 3, 955-960, DOI: https://doi.org/10.24425/amm.2023.145459 IF:0,6 **(30+40 x 0,6)/5= 10,8**
30. D.-P. Burduhos-Nergis, A.V. Sandu, D.-D. Burduhos-Nergis, P. Vizureanu, C. Bejinariu, Phosphate Conversion Coating – A Short Review, Arch. Metall. Mater. 68 (2023), 3, 1029-1034, DOI: https://doi.org/10.24425/amm.2023.145471 IF:0,6 **(30+40 x 0,6)/5= 10,8**
31. Burduhos-Nergis, DD; Vizureanu, P; Baltatu, MS; Sandu, AV; Burduhos-Nergis, DP, A BIBLIOMETRIC ANALYSIS OF RESEARCH ON FIBER REINFORCED GEOPOLYMER COMPOSITES, UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN SERIES B-CHEMISTRY AND MATERIALS SCIENCE, 2023, Volume 85, Issue 1, Page 129-138. IF:0,5 **(30+40 x 0,5)/5= 10**
32. Che Halin, D.S.; Azhari, A.W.; Mohd Salleh, M.A.A.; Muhammad Nadzri, N.I.; Vizureanu, P.; Abdullah, M.M.A.B.; Wahab, J.A.; Sandu, A.V. Metal-Doped TiO2 Thin Film as an Electron Transfer Layer for Perovskite Solar Cells: A Review. Coatings 2023, 13, 4. https://doi.org/10.3390/coatings13010004 IF:3,4 **(30+40 x 3,4)/8= 20,75**
33. Krishnamoorthy, U.; Gandhi Ayyavu, P.; Panchal, H.; Shanmugam, D.; Balasubramani, S.; Al-rubaie, A.J.; Al-khaykan, A.; Oza, A.D.; Hembrom, S.; Patel, T.; Vizureanu, P. et al. Efficient Battery Models for Performance Studies-Lithium Ion and Nickel Metal Hydride Battery. Batteries 2023, 9, 52. https://doi.org/10.3390/batteries9010052 IF:4 **(30+40 x 4)/12= 15,83**
34. Magiswaran, K.; Norizan, M.N.; Mahmed, N.; Mohamad, I.S.; Idris, S.N.; Sabri, M.F.M.; Amin, N.; Sandu, A.V.; Vizureanu, P.; Nabiałek, M.; et al. Controlling the Layer Thickness of Zinc Oxide Photoanode and the Dye-Soaking Time for an Optimal-Efficiency Dye-Sensitized Solar Cell. Coatings 2023, 13, 20. https://doi.org/10.3390/coatings13010020 IF:3,4 **(30+40 x 3,4)/11= 15,09**
35. Mubarokah, Z.R.; Mahmed, N.; Norizan, M.N.; Mohamad, I.S.; Abdullah, M.M.A.B.; Błoch, K.; Nabiałek, M.; Baltatu, M.S.; Sandu, A.V.; Vizureanu, P. Near-Infrared (NIR) Silver Sulfide (Ag2S) Semiconductor Photocatalyst Film for Degradation of Methylene Blue Solution. Materials 2023, 16, 437. https://doi.org/10.3390/ma16010437 IF:3,4 **(30+40 x 3,4)/10= 16,6**
36. M.C. Perju, C. Nejneru, D.D. Burduhos-Nergis, P. Vizureanu, M.G. Minciuna, A.V. Sandu, Study of the Effect of Intensity of Vibrations and Temperature on the Cooling Characteristics of Quenching Media, Arch. Metall. Mater. 68 (2023), 3, 997-1002, DOI: https://doi.org/10.24425/amm.2023.145466. IF:0,6 **(30+40 x 0,6)/6= 9**
37. Roduan, S.F.; Wahab, J.A.; Salleh, M.A.A.M.; Mahayuddin, N.A.H.M.; Abdullah, M.M.A.B.; Halil, A.B.M.; Zaifuddin, A.Q.S.; Muhammad, M.I.; Sandu, A.V.; Baltatu, M.S.; Vizureanu, P. Effectiveness of Dimple Microtextured Copper Substrate on Performance of Sn-0.7Cu Solder Alloy. Materials 2023, 16, 96. https://doi.org/10.3390/ma16010096 IF:3,4 **(30+40 x 3,4)/11= 15,09**
38. Selvan, M.; Abdul Aziz, M.S.; Salleh, M.A.A.M.; Sharif, N.M.; Khor, C.Y.; Ong, H.P.; Zainol, M.R.R.M.A.; Vizureanu, P.; Burduhos-Nergis, D.-P.; Sandu, A.V. Influence of Fin Thickness on the Thermal Performance and Selection of Coating Method for a Bus Duct Conductor. Coatings 2023, 13, 12. https://doi.org/10.3390/coatings13010012 IF:3,4 **(30+40 x 3,4)/10= 16,6**
39. Wattanapanich, C.; Imjai, T.; Garcia, R.; Rahim, N.L.; Abdullah, M.M.A.B.; Sandu, A.V.; Vizureanu, P.; Matasaru, P.D.; Thomas, B.S. Computer Simulations of End-Tapering Anchorages of EBR FRP-Strengthened Prestressed Concrete Slabs at Service Conditions. Materials 2023, 16, 851. https://doi.org/10.3390/ma16020851 IF:3,4 **(30+40 x 3,4)/9= 18,44**
40. Achitei, D.C.; Baltatu, M.S.; **Vizureanu, P.**; Sandu, A.V.; Benchea, M.; Istrate, B. Ni-Cr Alloys Assessment for Dental Implants Suitability. Appl. Sci. 2022, 12, 12814. https://doi.org/10.3390/app122412814 F.I. 2.838 **(30 + 40 x 2.7)/6= 23**
41. Mydin, M.A.O.; Abdullah, M.M.A.B.; Mohd Nawi, M.N.; Yahya, Z.; Sofri, L.A.; Baltatu, M.S.; Sandu, A.V.; **Vizureanu, P.** Influence of Polyformaldehyde Monofilament Fiber on the Engineering Properties of Foamed Concrete. Materials 2022, 15, 8984. https://doi.org/10.3390/ma15248984 **(30 + 40 x 3.4)/8= 20.75**
42. Nadzri, NIM (Nadzri, Nur Izzati Muhammad); Halin, DSC (Halin, Dewi Suriyani Che); Abdullah, MMA (Abdullah, Mohd Mustafa Al Bakri); Joseph, S (Joseph, Sudha); Salleh, MAAM (Salleh, Mohd Arif Anuar Mohd); Vizureanu, P (Vizureanu, Petrica); Burduhos-Nergis, DP (Burduhos-Nergis, Diana-Petronela); Sandu, AV (Sandu, Andrei Victor), High-Entropy Alloy for Thin Film Application: A Review, COATINGS Volume: 12 Issue: 12 Article Number: 1842 DOI: 10.3390/coatings12121842 Published: DEC 2022 **(30+40 x 3,4)/8= 20,75**
43. Baidrulhisham, S.E.; Noor, N.M.; Hassan, Z.; Sandu, A.V.; **Vizureanu, P.**; Ul-Saufie, A.Z.; Zainol, M.R.R.M.A.; Kadir, A.A.; Deák, G. Effects of Weather and Anthropogenic Precursors on Ground-Level Ozone Concentrations in Malaysian Cities. Atmosphere 2022, 13, 1780. **(30 + 40 x 2,9)/10= 14,6**
44. Baltatu, M.S.; Chiriac-Moruzzi, C.; **Vizureanu, P.**; Tóth, L.; Novák, J. Effect of Heat Treatment on Some Titanium Alloys Used as Biomaterials. Appl. Sci. 2022, 12, 11241. https://doi.org/10.3390/app122111241 **(30 + 40 x 2.7)/5= 27.6**
45. Jamil, N.H.; Abdullah, M.M.A.B.; Ibrahim, W.M.A.W.; Rahim, R.; Sandu, A.V.; **Vizureanu, P.**; Castro-Gomes, J.; Gómez-Soberón, J.M. Effect of Sintering Parameters on Microstructural Evolution of Low Sintered Geopolymer Based on Kaolin and Ground-Granulated Blast-Furnace Slag. Crystals 2022, 12, 1553. https://doi.org/10.3390/cryst12111553 **FI. 2,670, (30 + 40 x 2.7)/6= 23**
46. Jimenez-Marcos, C (Jimenez-Marcos, Cristina); Mirza-Rosca, JC (Mirza-Rosca, Julia Claudia); Baltatu, MS (Baltatu, Madalina Simona); Vizureanu, P (Vizureanu, Petrica),

Experimental Research on New Developed Titanium Alloys for Biomedical Applications, BIOENGINEERING-BASEL Volume: 9 Issue: 11 Article Number: 686 DOI: 10.3390/bioengineering9110686 Published: NOV 2022 **(30 + 40 x 4.6)/4= 53.5**

47. Mohamad, I.S.; Norizan, M.N.; Mahmed, N.; Jamalullail, N.; Halin, D.S.C.; Salleh, M.A.A.M.; Sandu, A.V.; Baltatu, M.S.; **Vizureanu, P.** Enhancement of Power Conversion Efficiency with Zinc Oxide as Photoanode and Cyanococcus, Punica granatum L., and Vitis vinifera as Natural Fruit Dyes for Dye-Sensitized Solar Cells. Coatings 2022, 12, 1781. https://doi.org/10.3390/coatings12111781 **(30 + 40 x 3.4)/9= 18,44**
48. Sofri, L.A.; Abdullah, M.M.A.B.; Sandu, A.V.; Imjai, T.; **Vizureanu, P.**; Hasan, M.R.M.; Almadani, M.; Aziz, I.H.A.; Rahman, F.A. Mechanical Performance of Fly Ash Based Geopolymer (FAG) as Road Base Stabilizer. Materials 2022, 15, 7242. https://doi.org/10.3390/ma15207242 **(30 + 40 x 3.4)/9= 18,44**
49. Tahirukaj, M.; Surleva, A.; **Vizureanu, P.**; Olluri, B.; Sandu, A.V. Assessment of Persistence of Gunshot Residues Produced by Firearms from Criminal Cases in the Republic of Kosovo. Appl. Sci. 2022, 12, 10477. https://doi.org/10.3390/app122010477 **(30 + 40 x 2.7)/5= 27.6**
50. Thanki, H.; Shah, S.; Oza, A.; **Vizureanu, P.**; Burduhos-Nergis, D.D. Sustainable Consumption: Will They Buy It Again? Factors Influencing the Intention to Repurchase Organic Food Grain. Foods 2022, 11, 3046. https://doi.org/10.3390/foods11193046 **(30 + 40 x 5,2)/5= 47,6**
51. Arokiasamy, P.;Abdullah, MMA; Abd Rahim, SZ; Zainol, MRRMA; Salleh, MAAM; Kheimi, M; Chaiprapa, J.; Sandu, A.V.; **Vizureanu, P.**; Razak, R.A.; Jamil, NH. Metakaolin/sludge based geopolymer adsorbent on high removal efficiency of Cu2+. CASE STUDIES IN CONSTRUCTION MATERIALS 2022, 17, 01428. https://doi.org/10.1016/j.cscm.2022.e01428 **(30+40 x 3,4)/11= 15,09**
52. Ahmad, R.; Ibrahim, W.M.W.; Abdullah, M.M.A.B.; Pakawanit, P.; **Vizureanu, P.**; Abdullah, A.S.; Sandu, A.V.; Ahmad Zaidi, F.H. Geopolymer-Based Nepheline Ceramics: Effect of Sintering Profile on Morphological Characteristics and Flexural Strength. Crystals 2022, 12, 1313. https://doi.org/10.3390/cryst12091313 **(30 + 40 x 2.7)/8= 17,25**
53. Ibrahim, W.M.W.; Abdullah, M.M.A.B.; Ahmad, R.; Sandu, A.V.; **Vizureanu, P.**; Benjeddou, O.; Rahim, A.; Ibrahim, M.; Sauffi, A.S. Chemical Distributions of Different Sodium Hydroxide Molarities on Fly Ash/Dolomite-Based Geopolymer. Materials 2022, 15, 6163. https://doi.org/10.3390/ma15176163 **(30 + 40 x 3.4)/9= 18,44**
54. Jamaludin, L.; Razak, R.A.; Abdullah, M.M.A.B.; **Vizureanu, P.**; Bras, A.; Imjai, T.; Sandu, A.V.; Abd Rahim, S.Z.; Yong, H.C. The Suitability of Photocatalyst Precursor Materials in Geopolymer Coating Applications: A Review. Coatings 2022, 12, 1348. https://doi.org/10.3390/coatings12091348 **(30 + 40 x 3.4)/9= 18,44**
55. Ul-Saufie, A.Z.; Hamzan, N.H.; Zahari, Z.; Shaziayani, W.N.; Noor, N.M.; Zainol, M.R.R.M.A.; Sandu, A.V.; Deak, G.; **Vizureanu, P.** Improving Air Pollution Prediction Modelling Using Wrapper Feature Selection. Sustainability 2022, 14, 11403. https://doi.org/10.3390/su141811403 **(30 + 40 x 3.9)/10= 18.6**
56. Hashim, N.M.; Noor, N.M.; Ul-Saufie, A.Z.; Sandu, A.V.; **Vizureanu, P.**; Deák, G.; Kheimi, M. Forecasting Daytime Ground-Level Ozone Concentration in Urbanized Areas of Malaysia Using Predictive Models. Sustainability 2022, 14, 7936. https://doi.org/10.3390/su14137936 **(30 + 40 x 3.9)/7= 26.57**
57. Yong-Sing, N.; Yun-Ming, L.; Cheng-Yong, H.; Abdullah, M.M.A.B.; Pakawanit, P.; **Vizureanu, P.**; Khalid, M.S.; Hui-Teng, N.; Yong-Jie, H.; Nabiałek, M.; Pietrusiewicz, P.; Garus, S.; Sochacki, W.; Śliwa, A. Improvements of Flexural Properties and Thermal Performance in Thin Geopolymer Based on Fly Ash and Ladle Furnace Slag Using Borax Decahydrates. Materials 2022, 15, 4178. https://doi.org/10.3390/ma15124178 **(30 + 40 x 3,4)/14= 11.85**
58. Huzaim, N.H.M.; Rahim, S.Z.A.; Musa, L.; Abdellah, A.E.-h.; Abdullah, M.M.A.B.; Rennie, A.; Rahman, R.; Garus, S.; Błoch, K.; Sandu, A.V.; **Vizureanu, P.**; Nabiałek, M. Potential of Rapid Tooling in Rapid Heat Cycle Molding: A Review. Materials 2022, 15, 3725. https://doi.org/10.3390/ma15103725 **(30+40 x 3,4)/11= 15,09**
59. Tahir, M.F.M.; Abdullah, M.M.A.B.; Rahim, S.Z.A.; Mohd Hasan, M.R.; Sandu, A.V.; **Vizureanu, P.**; Ghazali, C.M.R.; Kadir, A.A. Mechanical and Durability Analysis of Fly Ash Based Geopolymer with Various Compositions for Rigid Pavement Applications. Materials 2022, 15, 3458. https://doi.org/10.3390/ma15103458 **(30+40 x 3,4)/8= 20,75**
60. Yusof, M.F.; Zainol, M.R.R.M.A.; Sandu, A.V.; Riahi, A.; Zakaria, N.A.; Shaharuddin, S.; Aziz, M.S.A.; Mohamed Noor, N.; **Vizureanu, P.**; Zawawi, M.H.; Ikhsan, J. Clean Water Production Enhancement through the Integration of Small-Scale Solar Stills with Solar Dish Concentrators (SDCs)—A Review. Sustainability 2022, 14, 5442. https://doi.org/10.3390/su14095442 **(30 + 40 x 3,9)/11= 16.90**
61. Ramli, M.I.I.; Salleh, M.A.A.M.; Abdullah, M.M.A.B.; Aziz, I.H.; Ying, T.C.; Shahedan, N.F.; Kockelmann, W.; Fedrigo, A.; Sandu, A.V.; **Vizureanu, P.**; Chaiprapa, J.; Burduhos Nergis, D.D. The Influence of Sintering Temperature on the Pore Structure of an Alkali-Activated Kaolin-Based Geopolymer Ceramic. Materials 2022, 15, 2667. https://doi.org/10.3390/ma15072667 **(30 + 40 x 3.4)/12= 13,83**
62. Zaimi, N.S.M.; Salleh, M.A.A.M.; Abdullah, M.M.A.-B.; Nadzri, N.I.M.; Sandu, A.V.; **Vizureanu, P.**; Ramli, M.I.I.; Nogita, K.; Yasuda, H.; Sandu, I.G. Effect of Kaolin Geopolymer Ceramics Addition on the Microstructure and Shear Strength of Sn-3.0Ag-0.5Cu Solder Joints during Multiple Reflow. Materials 2022, 15, 2758. https://doi.org/10.3390/ma15082758 **(30 + 40 x 3.4)/9= 18,44**
63. Aziz, I.H.; Abdullah, M.M.A.B.; Salleh, M.A.A.M.; Ming, L.Y.; Li, L.Y.; Sandu, A.V.; **Vizureanu, P.**; Nemes, O.; Mahdi, S.N. Recent Developments in Steelmaking Industry and Potential Alkali Activated Based Steel Waste: A Comprehensive Review. Materials 2022, 15, 1948. https://doi.org/10.3390/ma15051948 **(30+40 x 3,4)/8= 20,75**

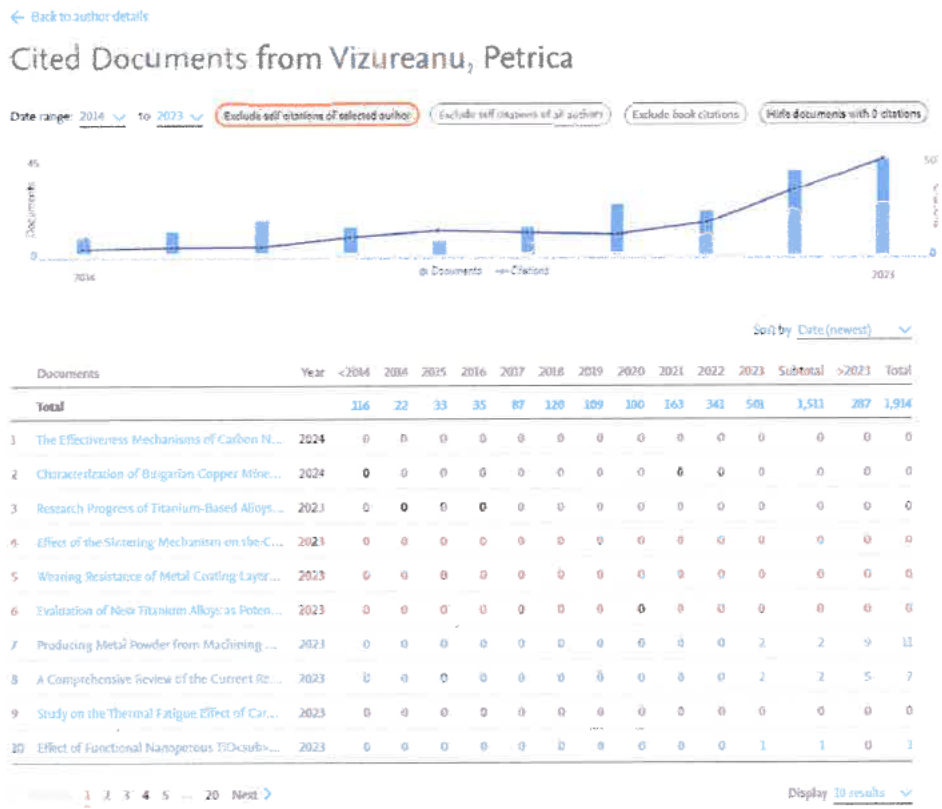
64. Baltatu, I.; Sandu, A.V.; Vlad, M.D.; Spataru, M.C.; **Vizureanu, P.;** Baltatu, M.S. Mechanical Characterization and In Vitro Assay of Biocompatible Titanium Alloys. Micromachines 2022, 13, 430. https://doi.org/10.3390/mi13030430 **(30 + 40 x 3.4)/6= 27.66**
65. Ramli, M.I.I.; Salleh, M.A.A.M.; Abdullah, M.M.A.B.; Zaimi, N.S.M.; Sandu, A.V.; **Vizureanu, P.**; Rylski, A.; Amli, S.F.M. Formation and Growth of Intermetallic Compounds in Lead-Free Solder Joints: A Review. Materials 2022, 15, 1451. https://doi.org/10.3390/ma15041451 **(30+40 x 3,4)/8= 20,75**
66. Zailan, S.N.; Mahmed, N.; Abdullah, M.M.A.B.; Rahim, S.Z.A.; Halin, D.S.C.; Sandu, A.V.; **Vizureanu, P.**; Yahya, Z. Potential Applications of Geopolymer Cement-Based Composite as Self-Cleaning Coating: A Review. Coatings 2022, 12, 133. https://doi.org/10.3390/coatings12020133 **(30+40 x 3,4)/8= 20,75**
67. Abdila, S.R.; Abdullah, M.M.A.B.; Ahmad, R.; Burduhos Nergis, D.D.; Rahim, S.Z.A.; Omar, M.F.; Sandu, A.V.; **Vizureanu, P.**; Syafwandi. Potential of Soil Stabilization Using Ground Granulated Blast Furnace Slag (GGBFS) and Fly Ash via Geopolymerization Method: A Review. Materials 2022, 15, 375. https://doi.org/10.3390/ma15010375 **(30+40 x 3,4)/8= 20,75**
68. Azimi, Emy Aizat; Salleh, M. A. A. Mohd; Abdullah, Mohd Mustafa Al Bakri; Aziz, Ikmal Hakem A.; Hussin, Kamarudin; Chaiprapa, Jitrin; **Vizureanu, Petrica**; Yoriya, Sorachon; Nabialek, Marcin; Wyslocki, Jerzy J. EFFECT OF NAOH MOLAR CONCENTRATION ON MICROSTRUCTURE AND COMPRESSIVE STRENGTH OF DOLOMITE/FLY ASH-BASED GEOPOLYMERS. ARCHIVES OF METALLURGY AND MATERIALS. 2022, 67(3), 993-998. DOI: https://doi.org/10.24425/amm.2022.139693 **F.I. 0,6 (30 + 40 x 0.6)/10= 5.4**
69. Baltatu, I; Sandu, AV; Baltatu, MS; Benchea, M; Achitei, DC; Ciolacu, F; Perju, MC; **Vizureanu, P**; Benea, L. STRUCTURAL AND PHYSICAL CHARACTERIZATION OF NEW Ti-BASED ALLOYS. ARCHIVES OF METALLURGY AND MATERIALS. 2022, 67(1), 255-259. DOI: https://doi.org/10.24425/amm.2022.137499 **F.I. 0.6 (30 + 40 x 0.6)/9= 6**
70. Burduhos Nergis, D.D.; **Vizureanu, P.**; Sandu, A.V.; Burduhos Nergis, D.P.; Bejinariu, C. XRD and TG-DTA Study of New Phosphate-Based Geopolymers with Coal Ash or Metakaolin as Aluminosilicate Source and Mine Tailings Addition. Materials 2022, 15, 202. https://doi.org/10.3390/ma15010202 **(30+40 x 3,4)/5= 33,2**
71. Ibrahim, M; Ibrahim, WMW; Al, MM; Sauffi, AS; **Vizureanu, P.** EFFECT OF SOLID-TO-LIQUIDS AND Na2SiO3-TO-NaOH RATIO ON METAkAOLIN MEMBRANE GEOpOLyMERS. ARCHIVES OF METALLURGY AND MATERIALS. 2022, 67(2), 695-702. DOI: https://doi.org/10.24425/amm.2022.137808 **F.I. 0.6 (30 + 40 x 0.6)/4= 13,5**
72. Minciuna, MG; **Vizureanu, P;** Jez, B; Sindu, AV; Nabialek, M; Achitei, DC. CORRELATION BETWEEN MICROSTRUCTURE AND ELECTROCHEMICAL PROPERTIES OF Al-Si ALLOYS. ARCHIVES OF METALLURGY AND MATERIALS. 2022, 67(3), 1067-1070. DOI: https://doi.org/10.24425/amm.2022.139704 **F.I. 0.6 (30 + 40 x 0.6)/6= 9**
73. Nergis, DDB; **Vizureanu, P**; Lupescu, S; Nergis, DPB; Perju, MC; Sandu, AV. MICROSTRUCTURAL ANALYSIS OF AMBIENT CURED PHOSPHATE BASED-GEOPOLYMERS WITH COAL-ASH AS PRECURSOR. ARCHIVES OF METALLURGY AND MATERIALS. 2022, 67(2), 595-600. DOI: https://doi.org/10.24425/amm.2022.137795 **F.I. 0.6 (30 + 40 x 0.6)/6= 9**
74. Perju, MC; Nejneru, C; **Vizureanu, P**; Aelenei, AA; Sandu, AV; Sachelarie, L; Nabialek, M. SOME ASPECTS CONCERNING TITANIUM COVERAGE WITH HYDROxYAPATITE. ARCHIVES OF METALLURGY AND MATERIALS. 2022, 67(2), 521-527. DOI: https://doi.org/10.24425/amm.2022.137785 **F.I. 0.6 (30 + 40 x 0.6)/7= 7.71**
75. Voiculescu, I; Geanta, V; Chereches, T; **Vizureanu, P**; Stefanoiu, R; Rotariu, A; Mitrica, D., IMPACT BEHAVIOR OF THE BALLISTIC TARGETS PACKAGE COMPOSED OF DYNEEMA POLYMER AND HIGH ENTROPY ALLOY STRUCTURES. ARCHIVES OF METALLURGY AND MATERIALS. 2022, 67(2), 569-576. DOI: https://doi.org/10.24425/amm.2022.137792 **F.I. 0.6 (30 + 40 x 0.6)/7= 7.71**
76. Baltatu, M.S.; Sandu, A.V.; Nabialek, M.; **Vizureanu, P.**; Ciobanu, G. Biomimetic Deposition of Hydroxyapatite Layer on Titanium Alloys. Micromachines 2021, 12, 1447. https://doi.org/10.3390/mi12121447 . **(30 + 40 x 3.4)/5= 33.2**
77. I. LUHAR, S. LUHAR, M.M.A. ABDULLAH, R.A. RAZAK, P. VIZUREANU, A.V. SANDU, P.D. MATASARU, A State-of-the-Art Review on Innovative Geopolymer Composites Designed for Water and Wastewater Treatment, MATERIALS, 14 (23), 2021, Article Number 7456, DOI10.3390/ma14237456. **F.I. 3,4 (30 + 40 x 3.4)/7= 23,71**
78. Spataru, M.C., Butnaru, M., Sandu, A.V., Vulpe, V., Vlad, M.D., Baltatu, M.S., Geanta, V., Voiculescu, I., **Vizureanu, P.**, Solcan, C., In-depth assessment of new Ti-based biocompatible materials, MATERIALS CHEMISTRY AND PHYSICS, Volume: 258, Article Number: 123959, Published: 2021, **(30 + 40 x 4.6)/10=21.4**
79. Verestiuc, L., Spataru, M.C., Baltatu, M.S., Butnaru, M., Solcan, C., Sandu, A.V., Voiculescu, I., Geanta, V., **Vizureanu, P.**, New Ti-Mo-Si materials for bone prosthesis applications, JOURNAL OF THE MECHANICAL BEHAVIOR OF BIOMEDICAL MATERIALS, Volume: 113, Article Number: 104198, Published: 2021, **(30 + 40 x 3.9)/9=20.66**
80. Baltatu, M.S., **Vizureanu, P.**, Sandu, A.V., Munteanu, C., Istrate, B., Microstructural Analysis and Tribological Behavior of Ti-Based Alloys with a Ceramic Layer Using the Thermal Spray Method, COATINGS, Volume: 10, Issue: 12, Article Number: 1216, Published: 2020, **(30 + 40 x 3.4)/5=33.2**
81. Paleu, C.C., Munteanu, C., Istrate, B., Bhaumik, S., **Vizureanu, P.**, Baltatu, M.S., Paleu, V., Microstructural Analysis and Tribological Behavior of AMDRY 1371 (Mo-NiCrFeBSiC) Atmospheric Plasma Spray Deposited Thin Coatings, COATINGS, Volume: 10, Issue: 12, Article Number: 1186, Published: 2020, **(30 + 40 x 3.4)/7=23.71**
82. Titu, A.M., **Vizureanu, P.**, Titu, S., Sandu, A.V., Pop, A.B., Bucur, V., Ceocea, C., Boroiu,

A., Experimental Research on the Cutting of Metal Materials by Electrical Discharge Machining with Contact Breaking with Metal Band as Transfer Object, MATERIALS, Volume: 13, Issue: 22, Article Number: 5257, Published: 2020, **(30+40 x 3,4)/8= 20,75**

83. Savin, A., Craus, M.L., Bruma, A., Novy, F., 11Malo, S., Chlada, M., Steigmann, R., **Vizureanu, P.**, Harnois, C., Turchenko, V., Prevorovsky, Z., Microstructural Analysis and Mechanical Properties of TiMo20Zr7Ta15Six Alloys as Biomaterials, MATERIALS, Volume: 13, Issue: 21, Article Number: 4808, Published: 2020, **(30+40 x 3,4)/11= 15,09**
84. Nabialek, M., Walters, S., **Vizureanu, P.**, Abdullah, M.M.A.B., Jez, B., Influence of Co and Zr Content on Creation of Crystalline Phases in Rapidly-Cooled, Injection-Cast Alloys Fe70Zr8-xCoxNb2B20 (where x=0, 2, 4, 6 or 8), ACTA PHYSICA POLONICA A, Volume: 138, Issue: 2, Pages: 152-155, Published: 2020, **F.I.:0,7 . (30 + 40 x 0.7)/5= 11.6**
85. Talar, M., Gondro, J., **Vizureanu, P.**, Abdullah, M.M.A.B., Bloch, K., The Influence of Heat Treatment on the Magnetic Properties of the Alloy Fe62Co10Y8B20 Produced by the Injection Suction Casting Method, ACTA PHYSICA POLONICA A, Volume: 138, Issue: 2, Pages: 185-188, Published: 2020, **F.I.:0,7 (30 + 40 x 0.7)/5= 11.6**
86. Perju, M.C., Sandu, A.V., **Vizureanu, P.**, Nejneru, C., Tugui, C.A., Burduhos-Nergis, D.D., Microstructural Analysis of Ti/W/WC Deposition by ESD Method, ACTA PHYSICA POLONICA A, Volume: 138, Issue: 2, Pages: 214-217, Published: 2020, **F.I.:0,7 (30 + 40 x 0.7)/6= 9.66**
87. **Vizureanu, P.**, Yamaguchi, S., Le, P.T.M., Baltatu, M.S., Biocompatibility Evaluation of New TiMoSi Alloys, ACTA PHYSICA POLONICA A, Volume: 138, Issue: 2, Pages: 283-286, Published: 2020, **(30 + 40 x 0,7)/4= 14.5**
88. Burduhos-Nergis, D.P., **Vizureanu, P.**, Sandu, A.V., Bejinariu, C., Phosphate Surface Treatment for Improving the Corrosion Resistance of the C45 Carbon Steel Used in Carabiners Manufacturing, MATERIALS, Volume: 13, Issue: 15, Article Number: 3410, Published: 2020, **(30+40 x 3,4)/4= 41,5**
89. Predescu, A.M., Vidu, R., **Vizureanu, P.**, Predescu, A., Matei, E; Predescu, C., Properties of Cu-xFe(3)O(4)Nanocomposites for Electrical Application, MATERIALS, Volume: 13 Issue: 14 Article Number: 3086, 2020, **(30+40 x 3,4)/6= 27,66**
90. Istrate, B., Munteanu, C., Lupescu, S., Chelariu, R., Vlad, M.D., **Vizureanu, P.**, Electrochemical Analysis and In Vitro Assay of Mg-0.5Ca-xY Biodegradable Alloys, MATERIALS, Volume: 13, Issue: 14, Article Number: 3082, Published: 2020, **(30+40 x 3,4)/6= 27,66**
91. Nergis, D.D.B., **Vizureanu, P.**, Ardelean, I., Sandu, A.V., Corbu, O.C., Matei, E., Revealing the Influence of Microparticles on Geopolymers' Synthesis and Porosity, MATERIALS, Volume: 13, Issue: 14, Article Number: 3211, Published: 2020, **(30+40 x 3,4)/6= 27,66**
92. Azimi, E.A., Abdullah, M.M.A., **Vizureanu, P.**, Salleh, M.A.A.M., Sandu, A.V., Chaiprapa, J., Yoriya, S., Hussin, K., Aziz, I.H., Strength Development and Elemental Distribution of Dolomite/Fly Ash Geopolymer Composite under Elevated Temperature, MATERIALS, Volume: 13, Issue: 4, Article Number: 1015, Published: 2020, **(30+40 x 3,4)/9= 18,44**
93. **Vizureanu, P.**, Nabialek, M., Sandu, A.V., Jez, B., Investigation into the Effect of Thermal Treatment on the Obtaining of Magnetic Phases: Fe5Y, Fe23B6, Y2Fe14B and alpha Fe within the Amorphous Matrix of Rapidly-Quenched Fe61+xCo10-xW1Y8B20 Alloys (Where x=0, 1 or 2), MATERIALS, Volume: 13, Issue: 4, Article Number: 835, Published: 2020, **(30+40 x 3,4)/4= 41,5**
94. Burduhos-Nergis, D.P., **Vizureanu, P.**, Sandu, A.V., Bejinariu, C., Evaluation of the Corrosion Resistance of Phosphate Coatings Deposited on the Surface of the Carbon Steel Used for Carabiners Manufacturing, APPLIED SCIENCES-BASEL, Volume: 10, Issue: 8, Article Number: 2753, Published: 2020, **(30+40 x 2,7)/4= 34,5**
95. Nergis, D.D.B., Abdullah, M.M.A., Sandu, A.V., **Vizureanu, P.**, XRD and TG-DTA Study of New Alkali Activated Materials Based on Fly Ash with Sand and Glass Powder, MATERIALS, Volume: 13, Issue: 2, Article Number: 343, Published: 2020, **(30+40 x 3,4)/4= 41,5**
96. Savinkin, V.V., **Vizureanu**, P., Sandu, A.V., Ratushnaya, T.Y., Ivanischev, A.A., Surleva, A., Improvement of the Turbine Blade Surface Phase Structure Recovered by Plasma Spraying, COATINGS, Volume: 10, Issue: 1, Article Number: 62, Published: 2020, **(30+40 x 3,4)/6= 27,66**
97. Sandu, A.V., Yong, H.C., Tajunnisa, Y., Azzahran, S.F., Bayuji, R., Abdullah, M.M.A., **Vizureanu, P.**, Hussin, K., Jin, T.S., Loong, F.K., Compressive Strength and Thermal Conductivity of Fly Ash Geopolymer Concrete Incorporated with Lightweight Aggregate, Expanded Clay Aggregate and Foaming Agent, REVISTA DE CHIMIE, Volume: 70, Issue: 11, Pages: 4021-4028, Published: 2019, **F.I.: 1,755. (30 + 40 x 1.755)/6= 16.7**
98. Sandu A.V., Baltatu M.S., Nabialek M., Savin A., **Vizureanu P.**, Characterization and Mechanical Proprieties of New TiMo Alloys Used for Medical Applications, Materials Published: 2019, 12(18), 2973. **(30 + 40 x 3.4)/5= 33.2**
99. Focsaneanu S.C., **Vizureanu P.**, Sandu A.V., Ciobanu G., Baltatu S.M., Vlad D., Experimental Study on the Influence of Zirconia Surface Preparation on Deposition of Hydroxyapatite, Revista de Chimie, vol. 70, nr.6, Published: 2019, pp. 2273-2275, **F.I.: 1,755. (30 + 40 x 1.755)/6= 16.7**
100. Burduhos Nergis, D.D., **Vizureanu, P.**, Corbu, O., Synthesis and Characteristics of Local Fly Ash Based Geopolymers Mixed with Natural Aggregates, REV.CHIM., Volume: 70, Issue: 4, Pages: 1262-1267, Published: 2019, F.I.: **1,755. (30 + 40 x 1.755)/3= 33.4**
101. Baltatu M.S., Tugui C.A., Perju M.C., Benchea M., Spataru M.C., Sandu A.V., **Vizureanu P.**, Biocompatible Titanium Alloys used in Medical Applications, REV.CHIM.,70, No. 4, Published: 2019, pag. 1302-1306, **F.I.: 1,755. (30 + 40 x 1.755)/7= 14.31**
102. Minciuna, M.G., Achitei, D.C., **Vizureanu, P.**, Sandu, A.V., Nabialek, M., Electrochemical Evaluation of AISI 420 Steel after Several Heat Treatments, ACTA PHYSICA POLONICA A, Volume: 135, Issue: 2, Pages: 115-118, Published: 2019, **F.I.:0,7. (30 + 40 x 0.7)/5=**

	11.6 b. reviste BDI Realizări:	
	2.3. Conferinţe invitate/ lucrări de sinteză prezentate la manifestări organizate sub egide ştiinţifice recunoscute, lucrări comunicate **a. conferinţe invitate** **Realizări:** **b. lucrări comunicate** **C. sub forma de poster** 2.3.1. Vizureanu P., Burduhos-Nergiș D.D., Sandu A.V., Achitei D.C., Burduhos-Nergiș D.P., Baltatu M.S., Perju M.C., Mechanical Performance of Mine Tailings Blended Geopolymer Designed by Taguchi Method, EUROINVENT-ICIR 2023, International Conference on Innovative Research, Iasi, 11th–12th of May 2023 (poster presentation). **(10 /7=1.42)** 2.3.2.Tofan M., Baltatu M.S., Mazilu M.A., Vizureanu P., Research and Development of Novel Advanced Titanium Alloys for Medical Use, EUROINVENT-ICIR 2023, International Conference on Innovative Research, Iasi, 11th–12th of May 2023 (poster presentation). **(10 /4=2.5)** 2.3.3. Achitei D.C., Baltatu M.S., Vizureanu P., Ginju M.I., Sandu A.V., Structural Modifications through Heat Treatments in Al-Si Alloys, EUROINVENT-ICIR 2023, International Conference on Innovative Research, Iasi, 11th–12th of May 2023 (poster presentation). **(10 /5=2)** 2.3.4. Ginju M.I., Vizureanu P., Achitei D.C., Baltatu M.S., Burduhos-Nergiș D.D., Sandu A.V., The Improvement of Hardness Properties through Thin Layers Depositions, EUROINVENT-ICIR 2023, International Conference on Innovative Research, Iasi, 11th–12th of May 2023 (poster presentation). **(10 /6=1.66)** 2.3.5. Jiménez Marcos C., Mirza Rosca J.C., Baltatu M.S., Vizureanu P., Analysis Of Novel Ti15Mo7ZrxSi Titanium Alloys Experimentally Developed as Potential Materials for Medical Uses, EUROINVENT-ICIR 2023, International Conference on Innovative Research, Iasi, 11th–12th of May 2023 (poster presentation). **(10 /4=2.5)** 2.3.6. Mazilu M.A., Baltatu M.S., Sandu A.V., Achitei D.C., Vizureanu P., Heat Treatments on Metallic Biomaterials for Medical Devices, EUROINVENT-ICIR 2023, International Conference on Innovative Research, Iasi, 11th–12th of May 2023 (poster presentation). **(10 /5=2)** 2.3.7. Baltatu M.S., Sandu A.V., Benea L., Vizureanu P., Evaluating the Properties of a Ti-Mo-Zr-Mn System for Orthopedic Applications, EUROINVENT-ICIR 2023, International Conference on Innovative Research, Iasi, 11th–12th of May 2023, (oral presentation). **(15 /4=3.75)** 2.3.8. Baltatu M.S., Mazilu M.A., Tofan M., Ciubotaru C.V., Vizureanu P., New advanced titanium alloy research and development for medical applications, "Gheorghe Asachi" Technical University of Iasi, Romania 6th International Conference of the Doctoral School, May 17 - 19, 2023, Iaşi, România, (oral presentation). **(15 /5=3)** 2.3.9. Ciubotaru V.C., Vizureanu P., Sandu A.V., Achitei D.C., Bălțatu M.S., Metals Used in Ancient Medicine: Short Overview, International Conference on Biomaterials and Regenerative Medicine BioReMed 2023, July 19-21, 2023, Sibiu, Romania (poster presentation). **(10 /5=2)** 2.3.10. Tofan M., Vizureanu P., Bălțatu M.S., Burduhos-Nergis D.D., Sandu A.V., Biomaterials Applications in Regenerative Medicine: Pioneering a Paradigm Shift in Healthcare, International Conference on Biomaterials and Regenerative Medicine BioReMed 2023, July 19-21, 2023, Sibiu, Romania (poster presentation). **(10 /5=2)** 2.3.11. Mazilu M.A., Sandu A.V., Vizureanu P., Perju M.C., Bălțatu M.S., Titanium Alloys with Low Young's Modulus: A Promising Frontier for Advanced Engineering Applications, International Conference on Biomaterials and Regenerative Medicine BioReMed 2023, 19-21 Iulie, 2023, Sibiu, Romania (poster presentation). **(10 /5=2)**	**24,83**
	2.4. Lucrări publicate în volumele conferinţelor **a. volume indexate ISI (12,87)** **Realizări:** 2.4.1. Jiménez-Marcos C., Baltatu M.S., Florido-Suárez N.R., Socorro-Perdomo P.P., Vizureanu P., Mirza-Rosca J.C. Mechanical properties and corrosion resistance of two new titanium alloys for orthopaedics applications, Materials Today: Proceedings, 2022. https://doi.org/10.1016/j.matpr.2022.09.394. **50/6=8.33** **b. volume indexate BDI (35)** **2.4.c. volume neindexate BDI**	**8,33**
	2.5. Brevete acordate, produse omologate **Realizări:** 2.5.1. VIZUREANU P, Solar furnace for processing materials, has rotary working enclosure provided with metal envelope in which cut with opening is set , where solar radiation collected by solar energy supply system is projected to interior of enclosure, Patent Number(s): RO126961-A2 (60,00) 2.5.2. VIZUREANU P, PREDESCU A, Expert system for the control of thermal systems, consists of a software component loaded in a computer and a hardware component consisting of a parallel programmable interface. Patent Number(s): RO126973-A2 (30,00) 2.5.3. SANDU A V, BEJINARIU C, SANDU I G, VIZUREANU P, SANDU I, BACIU C, VASILACHE V, PROCESS FOR CORROSION-PROTECTION OF IRON PIECES BY PHOSPHATING IN AQUEOUS SYSTEM, Patent Number(s): RO128933-A2 (8,57) 2.5.4. VIZUREANU P, STEFANICA R G, ACHITEI D C, NEJNERU C, PERJU M C, Thermal treatment installation for cyclic ageing of aluminium alloys, Patent Number(s): RO128420-A2 (12,00)	**129,23**

	2.5.5. VIZUREANU P, ACHITEI D C, NEJNERU C, PERJU M C, STEFANICA R G, INSTALLATION FOR THERMO-MECHANICAL FATIGUE TESTING OF ALLOYS WITH SHAPE MEMORY, Patent Number(s): RO128422-A2 (12,00) 2.5.6. RAILEANU T, HOPULELE I, FLORESCU A, COMANECI R, BEJINARIU C, SUSAN M, VIZUREANU P, BADARAU G, GRANCEA V, Mould mix moisture content continuous automatic metering technique, Patent Number(s): RO116362-B1 (6,66)	
	2.6. Proiecte/ Contracte/ Granturi de cercetare-dezvoltare câştigate prin competiţie 2.6.1. Director pentru Proiectul „Environmental footprint reduction though eco-friendly technologies of mine tailings recycling", COFUND-ERAMIN-3-RecMine, Director proiect: Vizureanu Petrică, Durata proiect: 2022 – 2024; 20x 272250/10000 / 7= 77,78	**77,78**
	2.7. Proiecte/ Contracte/ Granturi de cercetare-dezvoltare încheiate cu institute de cercetare, companii, regii, societăţi comerciale	
	2.8. Creaţii de arhitectură, urbanism, restaurări, design şi arte plastice efectuate prin Universitate	
	2.9. Citări în reviste cotate ISI sau indexate în baze de date internaţionale (BDI)	**6370,00**
	Realizări (2014-2023): 1274 citari x 5 = 6370 p 	
	Citari BDI (2014-2023) : Diferenta = Scopus – WoS = 1511 - 1274 = 237 x3p = 711 p	**711**



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Date range: 2014 to 2023 | Exclude self citations of selected author | Exclude self citations of all authors | Exclude book citations | Hide documents with 0 citations

Documents | Citations

Sort by Date (newest)

	Documents	Year	<2014	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Subtotal	>2023	Total
	Total		116	22	33	35	87	120	109	100	163	341	501	1,511	287	1,914
1	The Effectiveness Mechanisms of Carbon N...	2024	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Characterization of Bulgarian Copper Mine...	2024	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Research Progress of Titanium-Based Alloys...	2023	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Effect of the Sintering Mechanism on the C...	2023	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Wearing Resistance of Metal Coating Layer...	2023	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Evaluation of New Titanium Alloys as Poten...	2023	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Producing Metal Powder from Machining ...	2023	0	0	0	0	0	0	0	0	0	0	2	2	9	11
8	A Comprehensive Review of the Current Re...	2023	0	0	0	0	0	0	0	0	0	0	2	2	5	7
9	Study on the Thermal Fatigue Effect of Car...	2023	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Effect of Functional Nanoporous TiO<sub>...	2023	0	0	0	0	0	0	0	0	0	0	1	1	0	1

1 2 3 4 5 ... 20 Next >

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	2.10. Finalizare teză de doctorat 2.10.1. Finalizare teza postdoctorat Baltatu Madalina Simona 2.10.2. Finalizare teza postdoctorat Burduhos-Nergis Doru Dumitru	**20**
	2.11. Elaborare standarde	
Total punctaj Criteriu 2		**7101**
3. Recunoaşterea naţională şi internaţională (minimum: • 15 puncte prof.; • 10 puncte conf.; • 5 puncte ş. l.)	**3.1.** Profesor invitat pentru prelegeri la univ. de prestigiu **Realizări:** 3.1.1. IPCOETI 2021, Malaysia – 10 3.1.2. BIOMMED 2022 – 5 3.1.3. ICCECIP 2022, Ungaria - 10 3.1.4.Malaezia iunie 2023 – 10	**35**
	3.2. Membru în academii (Academia Română, Academia de Ştiinţe Tehnice, Academia de Ştiinţe Agricole şi Silvice, Academia Oamenilor de Ştiinţă etc.) **3.2.1.** Membru asociat ASTR	**50**
	3.3. Doctor Honoris Causa	
	3.4. Membru în societăţi ştiinţifice şi profesionale (AGIR, asociaţiile absolvenţilor etc.) **Realizări:** 3.4.1. ASM International, U.S.A., de la 13.12.2007, legitimaţia nr. 542373 - 10 3.4.2. AGIR, membru, legitimaţia nr. 58516. - 5 3.4.3. Materials Research Society, U.S.A. de la 01.01.2007 - 10 3.4.4. Societatea de Ştiinţe Matematice din România, legitimaţia nr. 227 - 5 3.4.5. Asociaţia Turnătorilor din România – 5 3.4.6. Forumul Inventatorilor Romani - 5 3.4.7. Membru al Societaţii Române de Biomateriale din 2013 -(5.00) 3.4.2 Membru al Asociaţiei Profesionale ModTech Romania - (5.00)	**50**
	3.5. Membru în comisii de doctorat **Realizări:** 3.5.1. Membru in comisia pentru colocviu de admitere – septembrie 2023 – 20 candidaţi – **20p** 3.5.2. Membru in comisii de doctorat Popa, Benea, Tofan – **15 p**	**65**
	3.6. Membru în colective de redacţie ale revistelor **Realizări:** 3.6.1. member of the Editorial board of the *International Journal on Heat and Mass Transfer - Theory and Applications (IREHEAT* http://www.praiseworthyprize.com/ireheat_editorial_board.htm) - 10. 3.6.2. Revista ATTIS – 10 3.6.3. International Journal of Conservation Science – 10 3.6.4. International Journal of Mining Science – 10 3.6.5. American Journal of Bioengineering and Biotechnology – 10 3.6.6. European Journal of Materials Science and Engineering -10 3.6.7. Coatings - 20	**80**

	3.7. Membru în comitete științifice naționale/ internaționale/ de program (la congrese, conferințe etc.) **Realizări:** 3.7.1. MODTECh 2023 - 10 3.7.2. Romat 2023 - 10 3.7.3. Euroinvent 2023 - 10 3.7.4. ICIR 2023 – 10 3.7.5. ICONGSM 2023 – 10 3.7.6. ICCECIP 2023 – 10 3.7.7. Bioremmed - 10	**70**
	3.8. Membru în echipe de expertizare / evaluare a cercetării ştiinţifice (proiecte CNCS, PNCDI II, FP7, Phare; centre de cercetare etc.) 3.8.1. ARUT – 5x5p = 25p 3.8.2. PNRR – 20x5p = 100p 3.8.3. Hong Kong – 1x10p = 10p 3.8.4. Polonia – 29x10p = 290p 3.8.5. Qatar – 2x10p = 20p 3.8.6. PNRAS – 13x5p = 65p	**510**
	3.9. Membru în echipe de expertizare (evaluare) a procesului educaţional (ARACIS, EUA etc.) **Realizări:** 3.9.1.	**0**
	3.10. Membru în consilii naţionale de specialitate 3.10.1. Membru Comisia de Ingineria Materialelor – CNATDCU – 15	**15**
	3.11. Organizator de manifestări ştiinţifice naţionale / internaţionale / sesiuni invitate **Realizări:** 3.11.1. EUROINVENT 2023 – (10) 3.11.2. Chairman ICIR EUORINVENT 2023 – 15	**25**
	3.12. Referent ştiinţific / expert naţional şi internaţional (pentru reviste, congrese etc.) **Realizări:** 3.12.1. IIIS.ORG (3) – 15 pct 3.12.2. Intech (2) – 10 pct 3.12.3. Materials and Design (5) – 50 pct. 3.12.4. Coatings (1) – 10 pct 3.12.5. JALCOM (5) – 50 pct 3.12.6. Materials (2) – 20 pct 3.12.7. Mat Letters (1) – 10 pct. 3.12.8. ICAI Bulgaria (3) – 30 pct. 3.12.9. Appl Surf Adv (2) – 20 pct. 3.12.10. AMM (8) – 80 pct. 3.12.11. Polymers (1) – 10 pct 3.12.12. J Build Eng (29) – 290 pct. 3.12.13. JMRT (20) – 200 pct. 3.12.14. Mat Today (3) – 30 pct. 3.12.15. Atm. Poll. Res. (1) – 10 pct. 3.12.16. Hyb Advances (6) – 60 pct. 3.12.17. Molecules (1) – 10 pct. 3.12.18. Invetions (1) – 10 pct 3.12.19. Forecating (1) – 10 pct 3.12.20. Adv in Civ Eng (1) – 10 pct 3.12.21. Buildings (1) – 10 pct 3.12.22. Surf Eng (1) – 10 pct 3.12.23. IJ Cast (7) – 70 pct 3.12.24. Adv Env Sci (1) – 10 pct 3.12.25. Antioxid (1) – 10 pct 3.12.26. Atmosphere (1) – 10 pct 3.12.27. TUSC (1) – 10 pct 3.12.28. MAMI (2) – 20 pct 3.12.29. HZENG (3) – 30 pct 3.12.30. Helyion (3) – 30 pct 3.12.31. JEMA (2) – 20 pct 3.12.32. Hindawi ASME (1) - 10pct 3.12.33. Hindawi Int J Dent (1) - 10 pct 3.12.34. WAVE (1) – 10 pct 3.12.35. ACS Omega (1) – 10 pct 3.12.36. PLOS ONE (1) – 10 pct 3.12.37. JCSU (1) – 10 pct 3.12.38. EMMA (1) – 10 pct 3.12.39. ENMM (2) – 20 pct	**1255**
	3.13. Membru în comisii de concurs pentru posturi didactice universitare **Realizări:** 3.13.1. Membru în comisia de concurs pentru ocuparea postului de profesor/conferentiar (URBAN INCERC x 1, INCDPM x 5, Toma Stefan x 1, UTBV x 1) – 40 pct 3.13.2.. Membru in comisia de inventariere – 5 pct.	**45**
	3.14. Membru în jurii, comisii, concursuri profesionale 3.14.1. Președinte al Comisiei de inventariere anuală pentru Departamentul IMSI 3.14.2. Președinte al Comisiei de inventariere anuală pentru Departamentul TEPM	**10**
	3.15. Cercetător invitat pentru activităţi de cercetare în universităţi/firme de prestigiu	

	3.16. Cadru didactic invitat în programe ERASMUS (prelegeri) 3.16.1. Universiti Malaysia Perlis – 5 pct. 3.16.2. Obuda Uiversity Budapesta, Ungaria – 5 pct.	**10**
	3.17. Cadru didactic care gestioneaza acorduri bilaterale ERASMUS 3.17.1. Acord Universiti Perlis Malaysia 2022-2027 3.17.2. Acord Israel 2022-2027 3.17.3. Acord Taiwan 2022-2027 3.17.4. Acord Univiersiti Terengannu Malaysia 2022-2027 3.17.5. Acord Universite IBN TOFAIL, Benil Mellall, Maroc, 2020-2025 3.17.6. Acord Nagoya University, Japonia, 2019-2024 3.17.7. Acord Brazilia, 2020-2024 3.17.8. Acord Argentina, 2020-2024 3.17.9. Acord Polonia, Szcseczin 2019-2024 3.17.10. Acord Polonia, Kazimir University, 2019-2024 3.17.11. Acord Ungaria, Obuda University, 2019-2024 3.17.12. UCTM Bulgaria. 2022-2027	**60**
	3.18. **Realizări:** **11p x 20 = 220** **1 x 10 = 10** 2023 Medalia de aur Euroinvent 2023 Baltatu M.S. Vizureanu P. Sandu A.V. 2023 Premiu Special Euroinvent 2023 Baltatu M.S. Vizureanu P. Sandu A.V. 2023 Premiu Special Euroinvent 2023 Baltatu M.S. Vizureanu P. Sandu A.V. 2023 Premiu Special Euroinvent 2023 Baltatu M.S. Vizureanu P. Sandu A.V. 2023 Premiu Special Euroinvent 2023 Baltatu M.S. Vizureanu P. Sandu A.V. 2023 Premiu Special PRO INVENT 2023, Cluj Napoca 2023 Baltatu M.S., Vizureanu P., Sandu A.V., Abdullah M.M.A Salleh M.A.A.M. 2023 Diploma de Excelenta PRO INVENT 2023, Cluj Napoca 2023 Baltatu M.S., Vizureanu P., Sandu A.V., Abdullah M.M.A Salleh M.A.A.M. 2023 Premiu Special PRO INVENT 2023, Cluj Napoca 2023 Baltatu M.S. 2023 Medalia de aur UGAL INVENT, 9-12 Noiembrie 2023, Galati Geanta V., Voiculescu I., Stefanoiu R., Binchiciu H., Vizure P., Kelemen H., Codescu M.M., Sandu A.V., Baltatu M Marinescu V.E., Binchicin E.F., Patroi D. 2023 Medalia de aur UGAL INVENT, 9-12 Noiembrie 2023, Galati Geanta V., Voiculescu I., Stefanoiu R., Binchiciu H., Vizure P., Kelemen H., Codescu M.M., Sandu A.V., Baltatu M Marinescu V.E. 2023 Medalia de aur Saudi Global Inventions and Innovation Expo (SGIE, 2023), Jeddah, Saudi Arabia Geanta V., Voiculescu I., Stefanoiu R., Binchiciu H., Vizure P., Kelemen H., Codescu M.M., Sandu A.V., Baltatu M Marinescu V.E. 2022 Premiul de Excelență 2023 * Universitatea Tehnică "Gheorghe Asachi" din Iasi, noiembrie 2023, Vizureanu P.	**230**
Total punctaj Criteriu 3		**2510**
4. Activitatea cu studenţii (minimum: • 10 puncte prof.; • 7 puncte conf.; • 5 puncte ș.l.)	4.1. Conducere cercuri ştiinţifice studenţeşti Realizări: 2 x 3=6	**6**
	4.2. Pregătire pentru concursuri profesionale (pentru fazele naţională şi internaţională)	
	4.3. Conducere lucrări de absolvire[2], licenţă (diplomă), disertaţie, doctorat ((inclusiv cotutelă, membri în echipa de îndrumare) **Realizări:** 4.3.1. 5 lucrări de licență **(3x5=15p)** 4.3.2. 5 lucrări de dizertație **(5x5=25p)**	**40**
	4.4. Îndrumare ani de studii	
	4.5. Organizarea de excursii de studii, prezentarea ofertei educaționale a universității în licee	
	4.6. Activități cu studenți ERASMUS	
Total punctaj Criteriu 4		**46**
5. Activitatea în comunitatea academică (minimum: • 15 puncte prof.; • 10 puncte conf.); • 5 puncte ș.l.;	**5.1.** Participare la mese rotunde, dezbateri organizate la nivelul facultății/ universității etc. 5.1.1. Workshop pentru Proiectul „Environmental footprint reduction though eco-friendly technologies of mine tailings recycling", COFUND-ERAMIN-3-RecMine, Director proiect: Vizureanu Petrică: Mai 2023 Romania **, iulie 2023 Turcia, Octombrie 2023, Spania**	**15**
	5.2. Activitate în comisii **Realizări:** 5.2.1. Consiliu departament - 3 5.2.2. Comisie de licenta EPI, Comisie master SITM – 6 5.2.3. Consiliu facultate – 5	**14**
	5.3. Coordonare programe de studii de licență/ masterat/ postuniversitare de formare continuă **Realizări:** 5.3.1. Coordonator program de studii EPI – 5 5.3.2. Coorodnator domeniu Ingineria Mecanica, program de master SITM – 5	**10**
Total punctaj Criteriu 5		**29,00**
Total punctaj Criterii 1-5		**9834,42**

6. Evaluarea de către Directorul de Departament (0-50 puncte)	**Justificări:** • .....; • .....; •	**50**
Total general		**9884,42**

Data: 18.06.2024

	Funcţie didactică/ Nume şi prenume	**Semnătura**
Director Departament	**Prof. univ. dr. ing. Petrică VIZUREANU**	
Cadru didactic evaluat	**Prof. univ. dr. ing. Petrică VIZUREANU**	

UNIVERSITATEA TEHNICĂ „GHEORGHE ASACHI" DIN IAŞI

FACULTATEA DE ŞTIINŢA ŞI INGINERIA MATERIALELOR

DEPARTAMENTUL DE TEHNOLOGII ŞI ECHIPAMENTE PENTRU PROCESAREA MATERIALELOR

FIŞA DE AUTOEVALUARE Şi DE EVALUARE DE CĂTRE DIRECTORUL DE DEPARTAMENT

(pentru activitatea în departamentul de încadrare conform contractului de muncă)

Numele şi prenumele cadrului didactic evaluat	**VIZUREANU PETRICĂ**
Funcţia didactică	**PROFESOR**

Criteriul de evaluare	Indicatori de performanţă (cu explicitarea modului de calcul a punctajului pentru fiecare realizare, conf. Anexa 1)	Punctaj
1. Activitate didactică (minimum: • 30 puncte prof.; • 15 puncte conf.; • 10 puncte ş.l.; • 5 puncte as.)	**1.1.** Predare discipline/ cursuri noi în planul de învăţământ, pe direcţii neelaborate anterior (se punctează nr. de discipline noi) 1.1.1. Sisteme neconventionale pentru tehnologii moderne, anul II, SITM **20p** 1.1.2. Curs – Materiale ceramice **20 p** 1.1.3 Curs - Utilaje pentru ingineria materialelor **20p**	**60**
	1.2. Elaborare manuale universitare (inclusiv în sistem e-learning) 1.2.1. Dumitru Doru Burduhos-Nergis, **Petrică Vizureanu**, Andrei Victor Sandu, Rafiza Abdul Razak, Romisuhani Ahmad, *Chapter 1: Bibliometric Analysis of Research Trends in Geopolymers*, în *Geopolymers: Properties and Applications*, CRC Press, 2024, ISBN-13: 978-1032486710, pag. 1–17. **40 × (17/100)/5 = 1,36 p** 1.2.2. Andrei Victor Sandu, Dumitru Doru Burduhos-Nergis, **Petrică Vizureanu**, Mohd Mustafa Al Bakri Abdullah, Liyana Jamaludin, *Chapter 2: Geopolymers Overview*, în *Geopolymers: Properties and Applications*, CRC Press, 2024, ISBN-13: 978-1032486710, pag. 18–41. **40 × (23/100)/5 = 1,84 p** 1.2.3. Rafiza Abdul Razak, Alida Abdullah, Mohd Mustafa Al Bakri Abdullah, **Petrică Vizureanu**, Eva Arifi, Andrei Victor Sandu, *Chapter 4: Geopolymer Lightweight Aggregate*, în *Geopolymers: Properties and Applications*, CRC Press, 2024, ISBN-13: 978-1032486710, pag. 52–61. **40 × (9/100)/6 = 0,6 p** 1.2.4. Liyana Jamaludin, Mohd Mustafa Al Bakri Abdullah, Shamala A.P. Ramasamy, **Petrică Vizureanu**, *Chapter 8: Geopolymers as Coating Material*, în *Geopolymers: Properties and Applications*, CRC Press, 2024, ISBN-13: 978-1032486710, pag. 96–110. **40 × (14/100)/5 = 1,12 p** 1.2.5. **Vizureanu P.**, Bălţatu M.S., Sandu A.V., Achitei D.C., Burduhos Nergis D.D., Perju M.C., *Assessment of Solar Energy Potential Limits within Solids on Heating-Melting Interval*, IntechOpen, 2022, DOI: 10.5772/intechopen.104847. **40 × (25/100)/6 = 1,66 p** 1.2.6. **Vizureanu P.**, Burduhos Nergis D.D., *Green Materials Obtained by Geopolymerization for a Sustainable Future*, Materials Research Forum LLC, vol. 90, 2021, ISBN 978-1-64490-112-0, 212 pag. **40 × (212/100)/2 = 42,4 p** 1.2.7. **Vizureanu P.**, Bălţatu M.S., Sandu A.V., Achitei D.C., Burduhos Nergis D.D., Perju M.C., *New Trends in Bioactive Glasses for Bone Tissue: A Review*, IntechOpen, 2021, DOI: 10.5772/intechopen.100567, 23 pag. **40 × (23/100)/6 = 1,53 p** 1.2.8. **Vizureanu P.**, Burduhos Nergis D.D., Sandu A.V., Burduhos Nergis D.P., Baltatu M.S., *The Physical and Mechanical Characteristics of Geopolymers Using Mine Tailings as Precursors*, IntechOpen, 2021, DOI: 10.5772/intechopen.97807. **40 × (21/100)/5 = 1,68 p** 1.2.9. **Petrică Vizureanu**, Mădălina Simona Bălţatu, Andrei Victor Sandu, *Development of New Advanced Ti-Mo Alloys for Medical Applications*, IntechOpen Books, 2020, DOI: 10.5772/intechopen.91906, 19 pag. **40 × (19/100)/3 = 2,53 p** 1.2.10. **Vizureanu P.**, Baltatu M.S., *Titanium-Based Alloys for Biomedical Applications*, Materials Research Forum LLC, volume 74, 2020, ISSN 2471-8890, 160 pag. **40 × (160/100)/2 = 32 p**	86,72
	1.1. Elaborare suporturi de cursuri, seminarii, laboratoare, proiecte	
	1.2. Elaborare manuale şi alte materiale pentru învăţământul preuniversitar	
	1.3. Modernizare tehnologie didactică din alte surse decât din cele publice (donaţii, sponsorizări etc.)	

Total punctaj Criteriu 1		146,72
2. Cercetarea ştiinţifică (minimum: • 150 puncte prof.; • 100 puncte conf.; • 60 puncte ş.l.; • 30 puncte asist.)	**2.1.** Elaborare cărţi/ monografii/ tratate **Realizări:** 2.1.1. **Vizureanu P.**, Yamaguchi S., Baltatu M.S., Göller G., Sandu A.V., Zamora-Ledezma C., Antoniac I.V., *Functionalized Materials Applications in Biomedicine*, CRC Press, 2025, 420 pag., ISBN: 978-1-032-8137-9, DOI: 10.1201/9781003642855. **50 × (420/100)/7 = 30,00 p** 2.1.2. **Vizureanu P.**, Bălţatu M.S., *Epoxy - Materials, Applications and Advanced Technologies*, IntechOpen, 2025, 140 pag., ISBN: 978-1-83634-316-5, DOI: 10.5772/intechopen.1008044. **50 × (140/100)/2 = 35,00 p** 2.1.3. **Vizureanu P.**, Pruteanu A., Fierascu R.C., Bălţatu M.S., Pietrusiewicz P., Sandu A.V., Nabialek M., *Evolution and Prospects of Epoxy Materials: From Traditional to Advanced*, IntechOpen, London, 2025, 13 pag., DOI: 10.5772/intechopen.1012225. **50 × (13/100)/7 = 0,93 p** 2.1.4. Bălţatu M.S., **Vizureanu P.**, Sandu A.V., Pruteanu A., Ciolacu F., Fierascu R., Spataru M.C., Krawczyk M.B., *Methods and Processing Techniques of Titanium Alloys*, IntechOpen, London, 2025, 17 pag., DOI: 10.5772/intechopen.1012294. **50 × (17/100)/8 = 1,06 p** 2.1.5. Bălţatu M.S., **Vizureanu P.**, Sandu A.V., Achitei D.C., Burduhos-Nergis D.D., Perju M.C., Nabialek M., *Biocomposites: Materials, Properties, and Applications*, IntechOpen, London, 2025, 19 pag., DOI: 10.5772/intechopen.1010197. **50 × (19/100)/7 = 1,36 p** 2.1.6. Sandu A.V., **Vizureanu P.**, Bakri Abdullah M.M.A., Nabialek M., Arif Zainol M.R.R.M., Sandu I. (editors), *Selected Papers from International Conference on Innovative Research ICIR EURINVENT 2024*, Springer Proceedings in Materials, 2024, ISBN 978-3-031-81197-5. **50 × (99/100)/6 = 8,25 p** 2.1.7. Sandu A.V., **Vizureanu P.**, Bakri Abdullah M.M.A., Nabialek M., Ghazali C.M.R., Sandu I. (editors), *Selected Papers from International Conference on Innovative Research ICIR EURINVENT 2024*, Springer Proceedings in Materials, 2024, ISBN 978-3-031-81197-5. **50 × (216/100)/6 = 18,00 p** 2.1.8. Shayfull Zamree Abd Rahim, Mohd Mustafa Al Bakri Abdullah, Shafiq Ishak, Romisuhani Ahmad, and **Petrica Vizureanu**, *Chapter 3: Geopolymer Prepared from Non-ferrous Metallurgical Slags: Synthesis, Mechanism and Microstructure*, în *Mining and Metallurgical Wastes Based Alkali-Activated Materials*, Springer, 2024, 19 pag. **50 × (19/100)/5 = 1,90 p** 2.1.9. Rafiza Abd Razak, **Petrica Vizureanu**, Mohd Mustafa Al Bakri Abdullah, Rosnita Mohamed, and Dickson Ling Chuan Hao, *Chapter 6: Durability Testing Protocols for Concrete Made with Alternative Binders and Recycled Materials*, 2024, 15 pag. **50 × (15/100)/5 = 1,50 p** 2.1.10. **Petrica Vizureanu**, Mohd Mustafa Al Bakri Abdullah, Rafiza Abdul Razak, Dumitru Doru Burduhos-Nergis, Liew Yun-Ming and Andrei Victor Sandu (editors), *Geopolymers: Properties and Applications*, CRC Press Taylor & Francis Group, 2024, ISBN-13: 978-1032486710. **50 × (151/100)/6 = 12,58 p** 2.1.11. M.S. Baltatu, **P. Vizureanu**, A.V. Sandu, D.C. Achitei, M.C. Perju, D.D. Burduhos-Nergis and M. Benchea, *Titanium – A Versatile Metal in Modern Applications*, în *Titanium-Based Alloys - Characteristics and Applications*, 2024, 21 pag., DOI: 10.5772/intechopen.1005742. **50 × (21/100)/7 = 1,50 p** 2.1.12. M.C. Spataru, M.S. Baltatu, A.V. Sandu, **P. Vizureanu**, *General Trends on Biomaterials Applications: Advantages and Limitations*, în *Novel Biomaterials for Tissue Engineering*, 2024, 25 pag., DOI: 10.5772/intechopen.114838. **50 × (25/100)/4 = 3,12 p** 2.1.13. **P. Vizureanu**, M.S. Baltatu, A.V. Sandu, *Novel Titanium Alloys for Tissue Engineering*, în *Novel Biomaterials for Tissue Engineering*, 2024, 26 pag., DOI: 10.5772/intechopen.112763. **50 × (26/100)/3 = 4,33 p** 2.1.14. Baltatu I., Baltatu M.S., **Vizureanu P.**, *Tendinţe noi în dezvoltarea aliajelor biocompatibile pe bază de titan*, Editura PIM, 2024, ISBN 978-606-13-8844-8, 135 pag. **20 × (135/100)/3 = 9,00 p** 2.1.15. **Vizureanu P.**, Baltatu M.S. (editors), *Titanium-Based Alloys - Characteristics and Applications*, IntechOpen, London, 2024, DOI: 10.5772/intechopen.1001617, ISBN 978-0-85466-820-5, 200 pag. **50 × (200/100)/2 = 50,00 p** 2.1.16. **Vizureanu P.**, Baltatu M.S. (editors), *Novel Biomaterials for Tissue Engineering*, IntechOpen, London, 2024, DOI: 10.5772/intechopen.110991, ISBN 978-1-83769-229-3, 186 pag. **50 × (186/100)/2 = 46,50 p** 2.1.17. Baltatu M.S., **Vizureanu P.**, Sandu A.V., *Advances in New Functional Biomaterials for Medical Applications*, Special Issue Advances in Crystals, 2024, DOI: 10.3390/books978-3-7258-0961-5, 166 pag. **50 × (166/100)/3 = 27,66 p** 2.1.18. **Petrica Vizureanu**, Editor, *Future Trends in Advanced Materials and Processes*, Materials, 2023, 352 pag., ISBN 978-3-0365-6470-8. **50 × (352/100)/1 = 176,00 p** 2.1.19. T.Y. Ratushnaya, V.V. Savinkin, A.V. Sandu and **P. Vizureanu**, *Technologies for Plasma Renovation of the Phase Structure of Substandard Turbine Blades of CHP*, Materials Research Foundations Vol. 150, 2023, 98 pag., DOI: 10.21741/9781644902653. **50 × (98/100)/4 = 12,25 p** 2.1.20. **Vizureanu P.** (editor), *Latest Research on Energy Recovery*, IntechOpen, 2023, 150 pag., ISBN 978-1-80355-610-9. **50 × (150/100)/1 = 75,00 p** 2.1.21. Minciuna M.G., **Vizureanu P.**, Baltatu M.S., *Sisteme Moderne Pentru Aplicaţii Medicale*, Editura PIM, 2022, 135 pag. **20 × (135/100)/3 = 9,00 p** 2.1.22. Baltatu M.S., Burduhos-Nergis D.D., Burduhos-Nergis D.P., **Vizureanu P.**, *Advanced Metallic Biomaterials*, Materials Research Foundations Vol. 118, 2022, 162 pag., DOI: 10.21741/9781644901779. **50 × (162/100)/4 = 20,25 p**	**744,57**

	2.1.23. Burduhos-Nergis D.P., Burduhos-Nergis D.D., Baltatu M.S., **Vizureanu P.**, *Advanced Coatings for the Corrosion Protection of Metals*, Materials Research Forum, USA, 2022, 152 pag., DOI: 10.21741/9781644901670. **50 × (152/100)/4 = 19,00 p** 2.1.24. Burduhos-Nergis D.D., Burduhos-Nergis D.P., Baltatu M.S., **Vizureanu P.**, *Ceramics and Composites, Preparation and Applications*, Materials Research Foundations Vol. 117, 2022, DOI: 10.21741/9781644901717. **50 × (117/100)/4 = 14,63 p** 2.1.25. **Vizureanu P.** (editor), Botelho C.M.D.C.F. (co-editor), *Biomaterials*, IntechOpen, 2020, ISBN: 978-1-78984-465-8, DOI: 10.5772/intechopen.87369, 149 pag. **50 × (149/100)/2 = 37,25 p** 2.1.26. **Vizureanu P.** (editor), *Thermodynamics and Energy Engineering*, IntechOpen, 2020, ISBN 978-1-83880-569-2, DOI: 10.5772/intechopen.79004, 257 pag. **50 × (257/100)/1 = 128,50 p**	
	2.2. Articole publicate în reviste de specialitate a. reviste cotate ISI Realizări: 1. Jimenez-Marcos, C.; Mirza-Rosca, J.C.; Baltatu, M.S.; **Vizureanu, P.** Preliminary studies of new heat-treated titanium alloys for use in medical equipment. *Results in Engineering* **2025**, *25*, 104477. https://doi.org/10.1016/j.rineng.2025.104477. IF = 7.9. **(30 + 40 × 7.9)/4 = 86,50 p** 2. Jimenez-Marcos, C.; Mirza-Rosca, J.C.; Baltatu, M.S.; **Vizureanu, P.** Two novel Ti-Mo-Ta-Zr alloys for medical devices: Their microstructure, corrosion resistance and microhardness characteristics. *Materials Chemistry and Physics* **2025**, *334*, 130511. https://doi.org/10.1016/j.matchemphys.2025.130511. IF = 4.7. **(30 + 40 × 4.7)/4 = 54,50 p** 3. Baser, M.F.H.; Salleh, M.A.A.M.; Said, R.M.; Zaimi, N.S.M.; Tancharakorn, S.; Tanthanuch, W.; Mothong, N.; **Vizureanu, P.**; Sandu, A.V. Effect of indium on interfacial intermetallic compound (IMC) growth, thermal behaviour and mechanical properties of Sn-10Cu-xIn solder joints under multiple reflow cycles. *Materials Chemistry and Physics* **2026**, *349*, 131748. https://doi.org/10.1016/j.matchemphys.2025.131748. IF = 4.7. **(30 + 40 × 4.7)/9 = 24,22 p** 4. Rahim, N.A.A.A.; Noor, N.M.; Jafri, I.A.M.; Ul-Saufie, A.Z.; Kamaruddin, M.A.; Zainol, M.R.R.M.A.; Sandu, A.V.; **Vizureanu, P.**; Deak, G. Modelling particulate matter (PM10) variations during transboundary haze events using a modified quantile regression approach. *Analytical Science Advances* **2025**, *6*, 70027. https://doi.org/10.1002/ansa.70027. IF = 4.1. **(30 + 40 × 4.1)/9 = 21,56 p** 5. Perju, M.-C.; Epure, E.-L.; Nejneru, C.; Cimpoesu, R.; **Vizureanu, P.**; Sandu, A.V. Influence of temperature on properties of the carboxymethyl cellulose. *Archives of Metallurgy and Materials* **2025**, *70*, 1843–1849. https://doi.org/10.24425/amm.2025.156271. IF = 0.7. **(30 + 40 × 0.7)/6 = 9,67 p** 6. Nergis, D.D.B.; **Vizureanu, P.**; Deak, G.; Tudor, G.; Sandu, A.V. Intelligent filtration method for marine pollution decontamination. *International Journal of Conservation Science* **2025**, *16*, 1993–2002. https://doi.org/10.36868/IJCS.2025.04.26. IF = 0.8. **(30 + 40 × 0.8)/5 = 12,40 p** 7. Yaacob, N.A.; Abdullah, M.M.A.B.; Ming, L.Y.; Ishak, S.; **Vizureanu, P.**; Tanyildizi, H.; Imjai, T.; Kamaruddin, M.A.; Mohamed, R. Recent advances on photocatalytic geopolymer on the degradation of organic pollutants: A review. *Journal of Hazardous Materials Advances* **2026**, *21*, 100946. https://doi.org/10.1016/j.hazadv.2025.100946. IF = 7.7. **(30 + 40 × 7.7)/9 = 37,56 p** 8. Shueb, M.I.; Mohamad, N.; Sapuan, S.Z.; Khee, Y.S.; Che Halin, D.S.; Sandu, A.V.; **Vizureanu, P.** Graphene nanoplatelets reinforced ABS nanocomposite films by sonication-assisted cast film technique for emission shielding application. *Materials* **2025**, *18*, 2645. https://doi.org/10.3390/ma18112645. IF = 3.2. **(30 + 40 × 3.2)/7 = 22,57 p** 9. Sangar, A.S.; Nadzri, N.I.M.; Halin, D.S.C.; Salleh, M.A.A.M.; Abdullah, M.M.A.B.; Sandu, A.V.; Putthisigamany, Y.; **Vizureanu, P.** Vacuum annealing-induced modifications in CoCrFeMnNi thin films: Surface morphology, conductivity, and work function. *JOM* **2025**, *77*, 4632–4640. https://doi.org/10.1007/s11837-025-07346-7. IF = 2.3. **(30 + 40 × 2.3)/8 = 15,25 p** 10. Saberi, A.; Baltatu, M.S.; **Vizureanu, P.** The Effectiveness Mechanisms of Carbon Nanotubes (CNTs) as Reinforcements for Magnesium-Based Composites for Biomedical Applications: A Review. *Nanomaterials* **2024**, *14*(9), 756. https://doi.org/10.3390/nano14090756. IF = 4.3. **(30 + 40 × 4.3)/3 = 67,33 p** 11. Angelova, L.; Burduhos-Nergis, D.D.; Surleva, A.; Sandu, A.V.; Ilieva, D.; Chernev, G.; **Vizureanu, P.** Study of Heavy Metal Encapsulation in Geopolymerized Industrial Waste by Sequential Extraction. *JOM* **2025**, *77*(3), 1385–1394. https://doi.org/10.1007/s11837-024-07049-5. IF = 2.3. **(30 + 40 × 2.3)/7 = 17,43 p** 12. Mohamed, R.; Abd Razak, R.; Abdullah, M.M.A.B.; Rahim, S.Z.A.; Mortar, N.A.M.; Chaiprapa, J.; Tancharakorn, S.; Mydin, M.A.O.; **Vizureanu, P.** Elucidation on alkali activation of slag with various solid-to-liquid ratios via heat evolution. *Journal of Building Engineering* **2024**, *84*, 108639. https://doi.org/10.1016/j.jobe.2024.108639. IF = 7.4. **(30 + 40 × 7.4)/9 = 36,22 p** 13. Hashim, A.N.; Mohd Salleh, M.A.A.; Ramli, M.M.; Al Bakri Abdullah, M.M.; Sandu, A.V.; **Vizureanu, P.** The behavior of Sn whisker growth on Sn-0.7Cu-0.05Ni solder joint during thermal cycling. *Journal of Materials Science: Materials in Electronics* **2024**, *35*(32), 2059. https://doi.org/10.1007/s10854-024-13805-9. IF = 2.8. **(30 + 40 × 2.8)/6 = 23,67 p** 14. **Vizureanu, P.**; Deak, G.; Nergis, D.D.B.; Sandu, A.V. Remedial solutions and conservation of marine environments: A review. *International Journal of Conservation Science* **2024**, *15*(4), 1841–1854. https://doi.org/10.36868/IJCS.2024.04.16. IF = 0.8. **(30 + 40 × 0.8)/4 =**	**2575,10**

15,50 p

15. Baltatu, M.S.; **Vizureanu, P.**; Sandu, A.V. Advances in New Functional Biomaterials for Medical Applications. *Crystals* **2024**, *14*(4), 334. https://doi.org/10.3390/cryst14040334. IF = 2.4. **(30 + 40 × 2.4)/3 = 42,00 p**
16. Ilieva, D.; Angelova, L.; Radoykova, T.; Surleva, A.; Chernev, G.; **Vizureanu, P.**; Burduhos-Nergis, D.D.; Sandu, A.V. Characterization of Bulgarian Copper Mine Tailing as a Precursor for Obtaining Geopolymers. *Materials* **2024**, *17*(3), 542. https://doi.org/10.3390/ma17030542. IF = 3.2. **(30 + 40 × 3.2)/8 = 19,75 p**
17. Saberi, A.; Baltatu, M.S.; **Vizureanu, P.** Recent Advances in Magnesium-Magnesium Oxide Nanoparticle Composites for Biomedical Applications. *Bioengineering* **2024**, *11*(5), 508. https://doi.org/10.3390/bioengineering11050508. IF = 3.7. **(30 + 40 × 3.7)/3 = 59,33 p**
18. Azani, A.; Halin, D.S.C.; Salleh, M.A.A.M.; Razak, K.A.; Abdullah, M.M.A.B.; Ramli, M.M.; **Vizureanu, P.**; Razak, M.F.S.A.; Sandu, A.V.; Mohamad, N. Surface Modification of GO/TiO2 Thin Film by Sodium Dodecyl Sulphate for Photocatalytic Applications. *JOM* **2024**, *76*(8), 4028–4039. https://doi.org/10.1007/s11837-024-06694-0. IF = 2.3. **(30 + 40 × 2.3)/10 = 12,20 p**
19. Kong, L.; Heydari, Z.; Lami, G.H.; Saberi, A.; Baltatu, M.S.; **Vizureanu, P.** A Comprehensive Review of the Current Research Status of Biodegradable Zinc Alloys and Composites for Biomedical Applications. *Materials* **2023**, *16*(13), 4797. https://doi.org/10.3390/ma16134797. F.I. = 3.2. **(30 + 40 × 3.2)/6 = 26,33 p**
20. Wei, L.K.; Abd Rahim, S.Z.; Abdullah, M.M.A.B.; Yin, A.T.M.; Ghazali, M.F.; Omar, M.F.; Nemes, O.; Sandu, A.V.; **Vizureanu, P.**; Abdellah, A.E. Producing Metal Powder from Machining Chips Using Ball Milling Process: A Review. *Materials* **2023**, *16*(13), 4635. https://doi.org/10.3390/ma16134635. F.I. = 3.2. **(30 + 40 × 3.2)/10 = 15,80 p**
21. Abdila, S.R.; Abdullah, M.M.A.B.; Ahmad, R.; Burduhos Nergis, D.D.; Rahim, S.Z.A.; Omar, M.F.; Sandu, A.V.; **Vizureanu, P.** Potential of Soil Stabilization Using Ground Granulated Blast Furnace Slag (GGBFS) and Fly Ash via Geopolymerization Method: A Review. *Materials* **2022**, *15*(1), 375. https://doi.org/10.3390/ma15010375. F.I. = 3.2. **(30 + 40 × 3.2)/8 = 19,75 p**
22. Mohamad, N.A.; Hamzah, S.; Hairom, N.H.H.; Zahid, M.S.A.; Ali, K.A.M.; Ghazali, C.M.R.; Sandu, A.V.; Al Bakri Abdullah, M.M.; **Vizureanu, P.** Poly-ferric sulphate as superior coagulant: A review on preparation methods and properties. *Reviews on Advanced Materials Science* **2023**, *62*(1), 20220327. https://doi.org/10.1515/rams-2022-0327. F.I. = 3.6. **(30 + 40 × 3.6)/9 = 19,33 p**
23. Jimenez-Marcos, C.; Mirza-Rosca, J.C.; Baltatu, M.S.; **Vizureanu, P.** Experimental Research on New Developed Titanium Alloys for Biomedical Applications. *Bioengineering* **2022**, *9*(11), 686. https://doi.org/10.3390/bioengineering9110686. F.I. = 3.7. **(30 + 40 × 3.7)/4 = 44,50 p**
24. Luhar, I.; Luhar, S.; Abdullah, M.M.A.B.; Razak, R.A.; **Vizureanu, P.**; Sandu, A.V.; Matasaru, P.-D. A State-of-the-Art Review on Innovative Geopolymer Composites Designed for Water and Wastewater Treatment. *Materials* **2021**, *14*(23), 7456. https://doi.org/10.3390/ma14237456. F.I. = 3.2. **(30 + 40 × 3.2)/7 = 22,57 p**
25. Mubarokah, Z.R.; Mahmed, N.; Norizan, M.N.; Mohamad, I.S.; Abdullah, M.M.A.B.; Bloch, K.; Nabialek, M.; Baltatu, M.S.; Sandu, A.V.; **Vizureanu, P.** Near-Infrared (NIR) Silver Sulfide (Ag2S) Semiconductor Photocatalyst Film for Degradation of Methylene Blue Solution. *Materials* **2023**, *16*(1), 437. https://doi.org/10.3390/ma16010437. F.I. = 3.9. **(30 + 40 × 3.9)/10 = 18,60 p**
26. Luhar, I.; Luhar, S.; Abdullah, M.M.A.B.; Sandu, A.V.; **Vizureanu, P.**; Razak, R.A.; Burduhos-Nergis, D.D.; Imjai, T. Solidification/Stabilization Technology for Radioactive Wastes Using Cement: An Appraisal. *Materials* **2023**, *16*(3), 954. https://doi.org/10.3390/ma16030954. F.I. = 3.2. **(30 + 40 × 3.2)/8 = 19,75 p**
27. Verestiuc, L.; Spataru, M.-C.; Baltatu, M.S.; Butnaru, M.; Solcan, C.; Sandu, A.V.; Voiculescu, I.; Geanta, V.; **Vizureanu, P.** New Ti-Mo-Si materials for bone prosthesis applications. *Journal of the Mechanical Behavior of Biomedical Materials* **2021**, *113*, 104198. https://doi.org/10.1016/j.jmbbm.2020.104198. F.I. = 3.5. **(30 + 40 × 3.5)/9 = 18,88 p**
28. Zailan, S.N.; Mahmed, N.; Abdullah, M.M.A.B.; Rahim, S.Z.A.; Halin, D.S.C.; Sandu, A.V.; **Vizureanu, P.**; Yahya, Z. Potential Applications of Geopolymer Cement-Based Composite as Self-Cleaning Coating: A Review. *Coatings* **2022**, *12*(2), 133. https://doi.org/10.3390/coatings12020133. F.I. = 2.8. **(30 + 40 × 2.8)/8 = 17,75 p**
29. Tahir, M.F.M.; Abdullah, M.M.A.B.; Abd Rahim, S.Z.; Mohd Hasan, M.R.; Sandu, A.V.; **Vizureanu, P.**; Ghazali, C.M.R.; Kadir, A.A. Mechanical and Durability Analysis of Fly Ash Based Geopolymer with Various Compositions for Rigid Pavement Applications. *Materials* **2022**, *15*(10), 3458. https://doi.org/10.3390/ma15103458. F.I. = 3.2. **(30 + 40 × 3.2)/8 = 19,75 p**
30. Baltatu, M.S.; **Vizureanu, P.**; Sandu, A.V.; Solcan, C.; Hritcu, L.D.; Spataru, M.C. Research Progress of Titanium-Based Alloys for Medical Devices. *Biomedicines* **2023**, *11*(11), 2997. https://doi.org/10.3390/biomedicines11112997. F.I. = 3.9. **(30 + 40 × 3.9)/6 = 31,00 p**
31. Baltatu, I.; Sandu, A.V.; Vlad, M.D.; Spataru, M.C.; **Vizureanu, P.**; Baltatu, M.S. Mechanical Characterization and In Vitro Assay of Biocompatible Titanium Alloys. *Micromachines* **2022**, *13*(3), 430. https://doi.org/10.3390/mi13030430. F.I. = 3.0. **(30 + 40 × 3.0)/6 = 25,00 p**
32. Baltatu, M.S.; **Vizureanu, P.**; Sandu, A.V.; Florido-Suarez, N.; Saceleanu, M.V.; Mirza-Rosca, J.C. New Titanium Alloys, Promising Materials for Medical Devices. *Materials* **2021**, *14*(20), 5934. https://doi.org/10.3390/ma14205934. F.I. = 3.2. **(30 + 40 × 3.2)/6 = 26,33 p**
33. Baltatu, M.S.; Spataru, M.C.; Verestiuc, L.; Balan, V.; Solcan, C.; Sandu, A.V.; Geanta, V.; Voiculescu, I.; **Vizureanu, P.** Design, Synthesis, and Preliminary Evaluation for Ti-Mo-Zr-

Ta-Si Alloys for Potential Implant Applications. *Materials* **2021**, *14*(22), 6806. https://doi.org/10.3390/ma14226806. F.I. = 3.2. **(30 + 40 × 3.2)/9 = 17,56 p**

34. Ramli, M.I.I.; Salleh, M.A.A.M.; Abdullah, M.M.A.B.; Aziz, I.H.; Ying, T.C.; Shahedan, N.F.; Kockelmann, W.; Fedrigo, A.; Sandu, A.V.; **Vizureanu, P.**; Chaiprapa, J.; Nergis, D.D.B. The Influence of Sintering Temperature on the Pore Structure of an Alkali-Activated Kaolin-Based Geopolymer Ceramic. *Materials* **2022**, *15*(7), 2667. https://doi.org/10.3390/ma15072667. F.I. = 3.2. **(30 + 40 × 3.2)/12 = 13,17 p**
35. Mydin, M.A.O.; Abdullah, M.M.A.B.; Razak, R.A.; Nawi, M.N.M.; Risdanareni, P.; Puspitasari, P.; Sandu, A.V.; Baltatu, M.S.; **Vizureanu, P.** Study on Polypropylene Twisted Bundle Fiber Reinforced Lightweight Foamed Concrete. *Buildings* **2023**, *13*(2), 541. https://doi.org/10.3390/buildings13020541. F.I. = 3.1. **(30 + 40 × 3.1)/9 = 17,11 p**
36. Huzaim, N.H.M.; Abd Rahim, S.Z.; Musa, L.; Abdellah, A.E.; Abdullah, M.M.A.B.; Rennie, A.; Rahman, R.; Garus, S.; Bloch, K.; Sandu, A.V.; **Vizureanu, P.**; Nabialek, M. Potential of Rapid Tooling in Rapid Heat Cycle Molding: A Review. *Materials* **2022**, *15*(10), 3725. https://doi.org/10.3390/ma15103725. F.I. = 3.2. **(30 + 40 × 3.2)/12 = 13,17 p**
37. Ibrahim, W.M.W.; Abdullah, M.M.A.B.; Ahmad, R.; Sandu, A.V.; **Vizureanu, P.**; Benjeddou, O.; Rahim, A.; Ibrahim, M.; Sauffi, A.S. Chemical Distributions of Different Sodium Hydroxide Molarities on Fly Ash/Dolomite-Based Geopolymer. *Materials* **2022**, *15*(17), 6163. https://doi.org/10.3390/ma15176163. F.I. = 3.2. **(30 + 40 × 3.2)/9 = 17,56 p**
38. Benea, L.; Lupu, A.R.; Bounegru, I.; **Vizureanu, P.** Effect of Functional Nanoporous TiO2 Film Obtained on Ti6Al4V Implant Alloy to Improve Resistance in Biological Solution for Inflammatory Conditions. *International Journal of Molecular Sciences* **2023**, *24*(10), 8529. https://doi.org/10.3390/ijms24108529. F.I. = 4.9. **(30 + 40 × 4.9)/4 = 56,50 p**
39. Jimenez-Marcos, C.; Mirza-Rosca, J.C.; Baltatu, M.S.; **Vizureanu, P.** Effect of Si Contents on the Properties of Ti15Mo7ZrxSi Alloys. *Materials* **2023**, *16*(14), 4906. https://doi.org/10.3390/ma16144906. F.I. = 3.2. **(30 + 40 × 3.2)/4 = 39,50 p**
40. Aziz, I.H.A.; Abdullah, M.M.A.B.; Razak, R.A.; Yahya, Z.; Salleh, M.A.A.M.; Chaiprapa, J.; Rojviriya, C.; **Vizureanu, P.**; Sandu, A.V.; Tahir, M.F.M.; Abdullah, A.; Jamaludin, L. Mechanical Performance, Microstructure, and Porosity Evolution of Fly Ash Geopolymer after Ten Years of Curing Age. *Materials* **2023**, *16*(3), 1096. https://doi.org/10.3390/ma16031096. F.I. = 3.2. **(30 + 40 × 3.2)/12 = 13,17 p**
41. Lai, D.S.; Osman, A.F.; Adnan, S.A.; Ibrahim, I.; Sandu, A.V.; Abd Rahim, S.Z.; **Vizureanu, P.** The role of natural hybrid nanobentonite/nanocellulose in enhancing the water resistance properties of the biodegradable thermoplastic starch. *E-Polymers* **2023**, *23*(1), 20230014. https://doi.org/10.1515/epoly-2023-0014. F.I. = 3.7. **(30 + 40 × 3.7)/7 = 25,43 p**
42. Spataru, M.-C.; Cojocaru, F.D.; Sandu, A.V.; Solcan, C.; Duceac, I.A.; Baltatu, M.S.; Voiculescu, I.; Geanta, V.; **Vizureanu, P.** Assessment of the Effects of Si Addition to a New TiMoZrTa System. *Materials* **2021**, *14*(24), 7610. https://doi.org/10.3390/ma14247610. F.I. = 3.2. **(30 + 40 × 3.2)/9 = 17,56 p**
43. Baltatu, M.S.; Sandu, A.V.; Nabialek, M.; **Vizureanu, P.**; Ciobanu, G. Biomimetic Deposition of Hydroxyapatite Layer on Titanium Alloys. *Micromachines* **2021**, *12*(12), 1447. https://doi.org/10.3390/mi12121447. F.I. = 3.0. **(30 + 40 × 3.0)/5 = 30,00 p**
44. Spataru, M.C.; Butnaru, M.; Sandu, A.V.; Vulpe, V.; Vlad, M.D.; Baltatu, M.S.; Geanta, V.; Voiculescu, I.; **Vizureanu, P.**; Solcan, C. In-depth assessment of new Ti-based biocompatible materials. *Materials Chemistry and Physics* **2021**, *258*, 123959. https://doi.org/10.1016/j.matchemphys.2020.123959. F.I. = 4.7. **(30 + 40 × 4.7)/10 = 21,80 p**
45. Roduan, S.F.; Wahab, J.A.; Salleh, M.A.A.M.; Mahayuddin, N.A.H.M.; Abdullah, M.M.A.B.; Halil, A.B.M.; Zaifuddin, A.Q.S.; Muhammad, M.I.; Sandu, A.V.; Baltatu, M.S.; **Vizureanu, P.** Effectiveness of Dimple Microtextured Copper Substrate on Performance of Sn-0.7Cu Solder Alloy. *Materials* **2023**, *16*(1), 96. https://doi.org/10.3390/ma16010096. F.I. = 3.2. **(30 + 40 × 3.2)/11 = 14,36 p**
46. Jamaludin, L.; Abd Razak, R.; Abdullah, M.M.A.B.; **Vizureanu, P.**; Bras, A.; Imjai, T.; Sandu, A.V.; Abd Rahim, S.Z.; Yong, H.C. The Suitability of Photocatalyst Precursor Materials in Geopolymer Coating Applications: A Review. *Coatings* **2022**, *12*(9), 1348. https://doi.org/10.3390/coatings12091348. F.I. = 2.9. **(30 + 40 × 2.9)/9 = 16,22 p**
47. Arokiasamy, P.; Abdullah, M.M.A.B.; Abd Rahim, S.Z.; Zainol, M.R.R.M.A.; Salleh, M.A.A.M.; Kheimi, M.; Chaiprapa, J.; Sandu, A.V.; **Vizureanu, P.**; Razak, R.A.; Jamil, N.H. Metakaolin/sludge based geopolymer adsorbent on high removal efficiency of Cu2+. *Case Studies in Construction Materials* **2022**, *17*, e01428. https://doi.org/10.1016/j.cscm.2022.e01428. F.I. = 6.5. **(30 + 40 × 6.5)/11 = 26,36 p**
48. Aziz, I.H.; Abdullah, M.M.A.B.; Salleh, M.A.A.M.; Ming, L.Y.; Li, L.Y.; Sandu, A.V.; **Vizureanu, P.**; Nemes, O.; Mahdi, S.N. Recent Developments in Steelmaking Industry and Potential Alkali Activated Based Steel Waste: A Comprehensive Review. *Materials* **2022**, *15*(5), 1948. https://doi.org/10.3390/ma15051948. F.I. = 3.2. **(30 + 40 × 3.2)/9 = 17,56 p**
49. Ul-Saufie, A.Z.; Hamzan, N.H.; Zahari, Z.; Shaziayani, W.N.; Noor, N.M.; Zainol, M.R.R.M.A.; Sandu, A.V.; Deak, G.; **Vizureanu, P.** Improving Air Pollution Prediction Modelling Using Wrapper Feature Selection. *Sustainability* **2022**, *14*(18), 11403. https://doi.org/10.3390/su141811403. F.I. = 3.3. **(30 + 40 × 3.3)/9 = 18,00 p**
50. Othman, R.; Jaya, R.P.; Muthusamy, K.; Sulaiman, M.A.; Duraisamy, Y.; Abdullah, M.M.A.B.; Przybyl, A.; Sochacki, W.; Skrzypczak, T.; **Vizureanu, P.**; Sandu, A.V. Relation between Density and Compressive Strength of Foamed Concrete. *Materials* **2021**, *14*(11), 2967. https://doi.org/10.3390/ma14112967. F.I. = 3.2. **(30 + 40 × 3.2)/11 = 14,36 p**
51. Olah, A.; Machedon-Pisu, T.; **Vizureanu, P.** Wearing Resistance of Metal Coating Layers after Laser Beam Heat Treatment. *Coatings* **2023**, *13*(9), 1645. https://doi.org/10.3390/coatings13091645. F.I. = 2.8. **(30 + 40 × 2.8)/3 = 47,33 p**
52. Mydin, M.A.O.; Abdullah, M.M.A.B.; Nawi, M.N.M.; Yahya, Z.; Sofri, L.A.; Baltatu, M.S.; Sandu, A.V.; **Vizureanu, P.** Influence of Polyformaldehyde Monofilament Fiber on the

Engineering Properties of Foamed Concrete. *Materials* **2022**, *15*(24), 8984. https://doi.org/10.3390/ma15248984. F.I. = 3.2. **(30 + 40 × 3.2)/8 = 19,75 p**

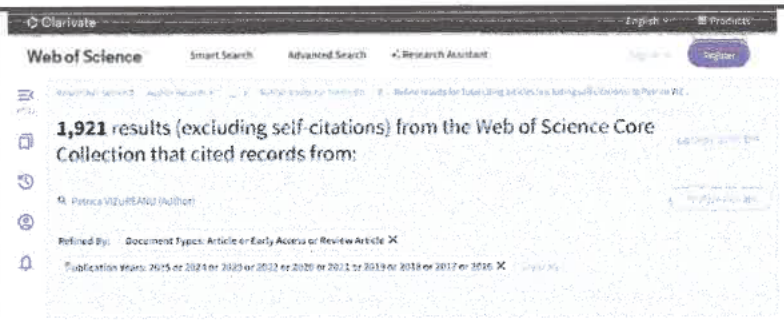
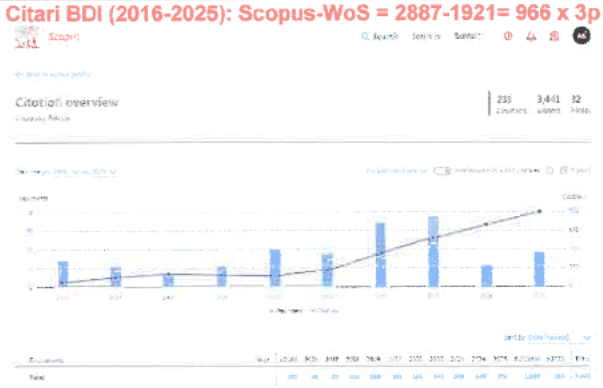
53. Shahedan, N.F.; Abdullah, M.M.A.B.; Mahmed, N.; Kusbiantoro, A.; Tammas-Williams, S.; Li, L.-Y.; Aziz, I.H.; **Vizureanu, P.**; Wyslocki, J.J.; Bloch, K.; Nabialek, M. Properties of a New Insulation Material Glass Bubble in Geopolymer Concrete. *Materials* **2021**, *14*(4), 809. https://doi.org/10.3390/ma14040809. F.I. = 3.2. **(30 + 40 × 3.2)/11 = 14,36 p**
54. Burduhos Nergis, D.D.; **Vizureanu, P.**; Sandu, A.V.; Burduhos Nergis, D.P.; Bejinariu, C. XRD and TG-DTA Study of New Phosphate-Based Geopolymers with Coal Ash or Metakaolin as Aluminosilicate Source and Mine Tailings Addition. *Materials* **2022**, *15*(1), 202. https://doi.org/10.3390/ma15010202. F.I. = 3.2. **(30 + 40 × 3.2)/5 = 31,60 p**
55. Savinkin, V.V.; Ivanova, O.V.; Zhumekenova, Z.Z.; Sandu, A.V.; **Vizureanu, P.** Effect of New Design of the Laser Installation and Spraying Method on the Physical and Mechanical Properties the Inner Surface a Small Diameter Coated with 15Cr17Ni12V3F35ZrO2. *Coatings* **2023**, *13*(3), 514. https://doi.org/10.3390/coatings13030514. F.I. = 2.8. **(30 + 40 × 2.8)/5 = 28,40 p**
56. Mustapa, N.B.; Ahmad, R.; Ibrahim, W.M.W.; Abdullah, M.M.A.B.; Wattanasakulpong, N.; Nemes, O.; Sandu, A.V.; **Vizureanu, P.**; Sandu, I.G.; Kartikowati, C.W.; Risdanareni, P. Effect of Sintering Mechanism towards Crystallization of Geopolymer Ceramic—A Review. *Materials* **2023**, *16*(11), 4103. https://doi.org/10.3390/ma16114103. F.I. = 3.2. **(30 + 40 × 3.2)/11 = 14,36 p**
57. Ibrahim, M.; Ibrahim, W.M.W.; Al, M.M.; Sauffi, A.S.; **Vizureanu, P.** Effect of Solid-to-Liquids and Na2SiO3-to-NaOH Ratio on Metakaolin Membrane Geopolymers. *Archives of Metallurgy and Materials* **2022**, *67*(2), 695–702. https://doi.org/10.24425/amm.2022.137808. F.I. = 0.7. **(30 + 40 × 0.7)/5 = 11,60 p**
58. Thanki, H.; Shah, S.; Oza, A.; **Vizureanu, P.**; Burduhos-Nergis, D.D. Sustainable Consumption: Will They Buy It Again? Factors Influencing the Intention to Repurchase Organic Food Grain. *Foods* **2022**, *11*(19), 3046. https://doi.org/10.3390/foods11193046. F.I. = 4.7. **(30 + 40 × 4.7)/5 = 43,60 p**
59. Lates, C.G.; Dumitras, C.G.; **Vizureanu, P.**; Sandu, A.V. Heat Transfer Optimization of an Electronic Control Unit Immersed in Forced Liquid Coolant. *Applied Sciences* **2023**, *13*(9), 5310. https://doi.org/10.3390/app13095310. F.I. = 2.5. **(30 + 40 × 2.5)/4 = 32,50 p**
60. Krishnamoorthy, U.; Gandhi Ayyavu, P.; Panchal, H.; Shanmugam, D.; Balasubramani, S.; Al-Rubaie, A.J.; Al-Khaykan, A.; Oza, A.D.; Hembrom, S.; Patel, T.; **Vizureanu, P.**; Burduhos-Nergis, D.-P. Efficient Battery Models for Performance Studies—Lithium Ion and Nickel Metal Hydride Battery. *Batteries* **2023**, *9*(1), 52. https://doi.org/10.3390/batteries9010052. F.I. = 4.8. **(30 + 40 × 4.8)/12 = 18,5 p**
61. Ramli, M.I.I.; Salleh, M.A.A.M.; Abdullah, M.M.A.B.; Zaimi, N.S.M.; Sandu, A.V.; **Vizureanu, P.**; Rylski, A.; Amli, S.F.M. Formation and Growth of Intermetallic Compounds in Lead-Free Solder Joints: A Review. *Materials* **2022**, *15*(4), 1451. https://doi.org/10.3390/ma15041451. F.I. = 3.2. **(30 + 40 × 3.2)/8 = 19,75 p**
62. Hashim, A.N.; Salleh, M.A.A.M.; Ramli, M.M.; Abdullah, M.M.A.B.; Sandu, A.V.; **Vizureanu, P.**; Sandu, I.G. Effect of Isothermal Annealing on Sn Whisker Growth Behavior of Sn0.7Cu0.05Ni Solder Joint. *Materials* **2023**, *16*(5), 1852. https://doi.org/10.3390/ma16051852. F.I. = 3.2. **(30 + 40 × 3.2)/7 = 22,57 p**
63. Mustapa, N.B.; Ahmad, R.; Abdullah, M.M.A.B.; Ibrahim, W.M.W.; Sandu, A.V.; Nemes, O.; **Vizureanu, P.**; Kartikowati, C.W.; Risdanareni, P. Effect of the Sintering Mechanism on the Crystallization Kinetics of Geopolymer-Based Ceramics. *Materials* **2023**, *16*(17), 5853. https://doi.org/10.3390/ma16175853. F.I. = 3.2. **(30 + 40 × 3.2)/9 = 17,56 p**
64. Magiswaran, K.; Norizan, M.N.; Mahmed, N.; Mohamad, I.S.; Idris, S.N.; Sabri, M.F.M.; Amin, N.; Sandu, A.V.; **Vizureanu, P.**; Nabialek, M.; Salleh, M.A.A.M. Controlling the Layer Thickness of Zinc Oxide Photoanode and the Dye-Soaking Time for an Optimal-Efficiency Dye-Sensitized Solar Cell. *Coatings* **2023**, *13*(1), 20. https://doi.org/10.3390/coatings13010020. F.I. = 2.8. **(30 + 40 × 2.8)/11 = 12,90 p**
65. Wattanapanich, C.; Imjai, T.; Garcia, R.; Rahim, N.L.; Abdullah, M.M.A.B.; Sandu, A.V.; **Vizureanu, P.**; Matasaru, P.D.; Thomas, B.S. Computer Simulations of End-Tapering Anchorages of EBR FRP-Strengthened Prestressed Concrete Slabs at Service Conditions. *Materials* **2023**, *16*(2), 851. https://doi.org/10.3390/ma16020851. F.I. = 3.2. **(30 + 40 × 3.2)/9 = 17,56 p**
66. Baltatu, M.S.; Chiriac-Moruzzi, C.; **Vizureanu, P.**; Toth, L.; Novak, J. Effect of Heat Treatment on Some Titanium Alloys Used as Biomaterials. *Applied Sciences* **2022**, *12*(21), 11241. https://doi.org/10.3390/app122111241. F.I. = 2.5. **(30 + 40 × 2.5)/5 = 26,00 p**
67. Amli, S.F.M.; Salleh, M.A.A.M.; Aziz, M.S.A.; Yasuda, H.; Nogita, K.; Abdullah, M.M.A.B.; Nemes, O.; Sandu, A.V.; **Vizureanu, P.** Effects of Multiple Reflow on the Formation of Primary Crystals in Sn-3.5Ag and Solder Joint Strength: Experimental and Finite Element Analysis. *Materials* **2023**, *16*(12), 4360. https://doi.org/10.3390/ma16124360. F.I. = 3.2. **(30 + 40 × 3.2)/9 = 17,56 p**
68. Hegyi, A.; Bulacu, C.; Szilagyi, H.; Lazarescu, A.-V.; Meita, V.; **Vizureanu, P.**; Sandu, M. Improving Indoor Air Quality by Using Sheep Wool Thermal Insulation. *Materials* **2021**, *14*(9), 2443. https://doi.org/10.3390/ma14092443. F.I. = 3.2. **(30 + 40 × 3.2)/7 = 22,57 p**
69. Chiriac, G.-G.; Dumitras, C.G.; Chitariu, D.F.; **Vizureanu, P.**; Sandu, A.V. Influence of Gravity on Passively Cooled Heat Sink Using Experimental Data and Finite Element Analysis. **Processes 2023**, **11**(3), 896. https://doi.org/10.3390/pr11030896. F.I. = 2.8. **(30 + 40 × 2.8)/5 = 28,40 p**
70. Sofri, L.A.; Abdullah, M.M.A.B.; Sandu, A.V.; Imjai, T.; **Vizureanu, P.**; Hasan, M.R.M.; Almadani, M.; Ab Aziz, I.H.; Rahman, F.A. Mechanical Performance of Fly Ash Based Geopolymer (FAG) as Road Base Stabilizer. **Materials 2022**, **15**(20), 7242. https://doi.org/10.3390/ma15207242. F.I. = 3.2. **(30 + 40 × 3.2)/9 = 17,56 p**
71. Nejneru, C.; Cimpoesu, R.; **Vizureanu, P.**; Epure, E.-L.; Perju, M.C.; Lupescu, S.-C. Study

on the Thermal Fatigue Effect of Carboxymethylcellulose Solution Media Dissolved in Water as a Quenching Cooling Medium. **Applied Sciences 2023, 13**(10), 6021. https://doi.org/10.3390/app13106021. F.I. = 2.5. **(30 + 40 × 2.5)/6 = 21,67 p**

72. Ibrahim, W.M.A.W.; Abdullah, M.M.A.B.; Jamil, N.H.; Mohamad, H.; Salleh, M.A.A.M.; Sandu, A.V.; **Vizureanu, P.**; Baltatu, M.S.; Sukmak, P. Alkaline-Activation Technique to Produce Low-Temperature Sintering Activated-HAp Ceramic. **Applied Sciences 2023, 13**(4), 2643. https://doi.org/10.3390/app13042643. F.I. = 2.5. **(30 + 40 × 2.5)/9 = 14,44 p**
73. Halin, D.S.C.; Azhari, A.W.; Salleh, M.A.A.M.; Nadzri, N.I.M.; **Vizureanu, P.**; Abdullah, M.M.A.B.; Wahab, J.A.; Sandu, A.V. Metal-Doped TiO2 Thin Film as an Electron Transfer Layer for Perovskite Solar Cells: A Review. **Coatings 2023, 13**(1), 4. https://doi.org/10.3390/coatings13010004. F.I. = 2.8. **(30 + 40 × 2.8)/8 = 17,75 p**
74. Burduhos-Nergis, D.D.; **Vizureanu, P.**; Sandu, A.V.; Cimpoesu, N. Mechanical Performance of Fly Ash Blended Geopolymer Composite Reinforced with Recycled Glass Fibers. **Environmental Engineering and Management Journal 2023, 22**(8). https://doi.org/10.30638/eemj.2023.110. F.I. = 0.9. **(30 + 40 × 0.9)/4 = 16,50 p**
75. Baltatu, M.S.; **Vizureanu, P.**; Sandu, A.V. Special Issue on Modern Biomaterials: Latest Advances and Prospects. **Applied Sciences 2023, 13**(20), 11450. https://doi.org/10.3390/app132011450. F.I. = 2.5. **(30 + 40 × 2.5)/3 = 43,33 p**
76. **Vizureanu, P.** Future Trends in Advanced Materials and Processes. **Materials 2022, 15**(19), 6554. https://doi.org/10.3390/ma15196554. F.I. = 3.2. **(30 + 40 × 3.2)/1 = 158,00 p**
77. **Vizureanu, P.** Advanced Surface Treatment Technologies for Metallic Alloys. **Materials 2022, 15**(4), 1464. https://doi.org/10.3390/ma15041464. F.I. = 3.2. **(30 + 40 × 3.2)/1 = 158,00 p**
78. Redzuan, S.N.; Noor, N.M.; Rahim, N.A.A.A.; Jafri, I.A.M.; Baidrulhisham, S.E.; Ul-Saufie, A.Z.; Sandu, A.V.; **Vizureanu, P.**; Zainol, M.R.R.M.A.; Deak, G. Characteristics of PM10 Level during Haze Events in Malaysia Based on Quantile Regression Method. **Atmosphere 2023, 14**(2), 407. https://doi.org/10.3390/atmos14020407. F.I. = 2.3. **(30 + 40 × 2.3)/10 = 12,20 p**
79. Jamaludin, L.; Razak, R.A.; Abdullah, M.M.A.B.; **Vizureanu, P.**; Sandu, A.V.; Abd Rahim, S.Z.; Ahmad, R. Solid-to-Liquid Ratio Influenced on Adhesion Strength of Metakaolin Geopolymer Coating Paste Added Photocatalyst Materials. **Coatings 2023, 13**(2), 236. https://doi.org/10.3390/coatings13020236. F.I. = 2.8. **(30 + 40 × 2.8)/7 = 20,28 p**
80. Saleh, S.S.M.; Omar, M.F.; Akil, H.M.; Kudus, M.H.A.; Abdullah, M.M.A.B.; Sandu, A.V.; **Vizureanu, P.**; Halim, K.A.A.; Rasidi, M.S.M.; Mahamud, S.N.S.; Sandu, I.; Nosbi, N. Preparation of Carbon Nanotubes/Alumina Hybrid-Filled Phenolic Composite with Enhanced Wear Resistance. **Materials 2023, 16**(7), 2772. https://doi.org/10.3390/ma16072772. F.I. = 3.2. **(30 + 40 × 3.2)/12 = 13,17 p**
81. Nadzri, N.I.M.; Halin, D.S.C.; Abdullah, M.M.A.B.; Joseph, S.; Salleh, M.A.A.M.; **Vizureanu, P.**; Burduhos-Nergis, D.-P.; Sandu, A.V. High-Entropy Alloy for Thin Film Application: A Review. **Coatings 2022, 12**(12), 1842. https://doi.org/10.3390/coatings12121842. F.I. = 2.8. **(30 + 40 × 2.8)/8 = 17,75 p**
82. **Vizureanu, P.** Surface Treatment of Metals. **Coatings 2022, 12**(5), 560. https://doi.org/10.3390/coatings12050560. F.I. = 2.8. **(30 + 40 × 2.8)/1 = 142,00 p**
83. Achitei, D.C.; Baltatu, M.S.; **Vizureanu, P.**; Sandu, A.V.; Benchea, M.; Istrate, B. Ni-Cr Alloys Assessment for Dental Implants Suitability. **Applied Sciences 2022, 12**(24), 12814. https://doi.org/10.3390/app122412814. F.I. = 2.5. **(30 + 40 × 2.5)/6 = 21,67 p**
84. Hashim, N.M.; Noor, N.M.; Ul-Saufie, A.Z.; Sandu, A.V.; **Vizureanu, P.**; Deak, G.; Kheimi, M. Forecasting Daytime Ground-Level Ozone Concentration in Urbanized Areas of Malaysia Using Predictive Models. **Sustainability 2022**, 14(13), 7936. https://doi.org/10.3390/su14137936. F.I. = 3.3. **(30 + 40 × 3.3)/7 = 23,14 p**
85. Kyznetsova, V.N.; Savinkin, V.V.; Ratushnaya, T.Y.; Sandu, A.V.; **Vizureanu, P.** Study of the Spatial Distribution of Forces and Stresses on Wear Surfaces at Optimization of the Excavating Part of an Earthmoving Machine Transverse Profile. **Coatings 2021, 11**(2), 182. https://doi.org/10.3390/coatings11020182. F.I. = 2.8. **(30 + 40 × 2.8)/5 = 28,40 p**
86. Ahmad, R.; Ibrahim, W.M.W.; Abdullah, M.M.A.B.; Pakawanit, P.; **Vizureanu, P.**; Abdullah, A.S.; Sandu, A.V.; Zaidi, F.H.A. Geopolymer-Based Nepheline Ceramics: Effect of Sintering Profile on Morphological Characteristics and Flexural Strength. **Crystals 2022, 12**(9), 1313. https://doi.org/10.3390/cryst12091313. F.I. = 2.4. **(30 + 40 × 2.4)/8 = 15,75 p**
87. Yong-Sing, N.; Yun-Ming, L.; Cheng-Yong, H.; Abdullah, M.M.A.B.; Pakawanit, P.; **Vizureanu, P.**; Khalid, M.S.; Hui-Teng, N.; Yong-Jie, H.; Nabialek, M.; Pietrusiewicz, P.; Garus, S.; Sochacki, W.; Sliwa, A. Improvements of Flexural Properties and Thermal Performance in Thin Geopolymer Based on Fly Ash and Ladle Furnace Slag Using Borax Decahydrates. **Materials 2022, 15**(12), 4178. https://doi.org/10.3390/ma15124178. F.I. = 3.2. **(30 + 40 × 3.2)/14 = 11,29 p**
88. Mokhtar, N.Z.M.; Salleh, M.A.A.M.; Sandu, A.V.; Ramli, M.M.; Chaiprapa, J.; **Vizureanu, P.**; Ramli, M.I.I. Effect of Electromigration and Thermal Ageing on the Tin Whiskers' Formation in Thin Sn-0.7Cu-0.05Ga Lead (Pb)-Free Solder Joints. **Coatings 2021, 11**(8), 935. https://doi.org/10.3390/coatings11080935. F.I. = 2.8. **(30 + 40 × 2.8)/7 = 20,29 p**
89. Jamil, N.H.; Abdullah, M.M.A.B.; Ibrahim, W.M.A.W.; Rahim, R.; Sandu, A.V.; **Vizureanu, P.**; Castro-Gomes, J.; Gomez-Soberon, J.M. Effect of Sintering Parameters on Microstructural Evolution of Low Sintered Geopolymer Based on Kaolin and Ground-Granulated Blast-Furnace Slag. **Crystals 2022, 12**(11), 1553. https://doi.org/10.3390/cryst12111553. F.I. = 2.4. **(30 + 40 × 2.4)/8 = 15,75 p**
90. Baidrulhisham, S.E.; Noor, N.M.; Hassan, Z.; Sandu, A.V.; **Vizureanu, P.**; Ul-Saufie, A.Z.; Zainol, M.R.R.M.A.; Kadir, A.A.; Deak, G. Effects of Weather and Anthropogenic Precursors on Ground-Level Ozone Concentrations in Malaysian Cities. **Atmosphere 2022, 13**(11), 1780. https://doi.org/10.3390/atmos13111780. F.I. = 2.3. **(30 + 40 × 2.3)/9 = 13,56 p**

	91. Mohamad, I.S.; Norizan, M.N.; Mahmed, N.; Jamalullail, N.; Halin, D.S.C.; Salleh, M.A.A.M.; Sandu, A.V.; Baltatu, M.S.; **Vizureanu, P.** Enhancement of Power Conversion Efficiency with Zinc Oxide as Photoanode and Cyanococcus, Punica granatum L., and Vitis vinifera as Natural Fruit Dyes for Dye-Sensitized Solar Cells. **Coatings 2022, 12**(11), 1781. https://doi.org/10.3390/coatings12111781. F.I. = 2.8. **(30 + 40 × 2.8)/9 = 15,78 p** 92. Zaimi, N.S.M.; Salleh, M.A.A.M.; Sandu, A.V.; Abdullah, M.M.A.B.; Saud, N.; Rahim, S.Z.A.; **Vizureanu, P.**; Said, R.M.; Ramli, M.I.I. Performance of Sn-3.0Ag-0.5Cu Composite Solder with Kaolin Geopolymer Ceramic Reinforcement on Microstructure and Mechanical Properties under Isothermal Ageing. **Materials 2021**, 14(4), 776. https://doi.org/10.3390/ma14040776. F.I. = 3.2. **(30 + 40 × 3.2)/9 = 17,56 p** b. reviste BDI Realizări:	
	2.3. Conferinţe invitate/ lucrări de sinteză prezentate la manifestări organizate sub egide ştiinţifice recunoscute, lucrări comunicate **a. conferinţe invitate** **1. Vizureanu, P.;** Biomedical performance of Ti-Mo-Zr-Ta and Ti-Mo-Si alloys with bioactive coatings based on hydroxyapatite and zirconia. Bioceramics 25, Brazilia, 2025. **60,00** 2. **Vizureanu, P** Innovations on β-Titanium Alloys in Biomedical Applications: Recent Developments and Future Directions. MTM, Turcia, 2025. **60,00** **Realizări:** **b. lucrări comunicate** 1. Ghiculescu I., Bălţatu M.S., Pruteanu A., Tofan M., Sandu A.V., Vizureanu P., Titanium Alloys and the Role of Alloying Elements in Material Performance, 8th International Conference of the Doctoral School, CSD 2025, 14-16 May, Iaşi, România, **15/6=2,5** 2. Pruteanu A., Bălţatu M.S., Ghiculescu I., Tofan M., Vizureanu P., Advanced Titanium Alloys for Medical and Industrial Use, 8th International Conference of the Doctoral School, CSD 2025, 14-16 May, Iaşi, România **15/5=3,0** 3. Vizureanu P., Pruteanu A., Baltatu M.S., Sandu A.V., Comparison of Ti-Mo-Zr-Ta alloys obtained by conventional processing and selective laser melting for biomedical use, 6th International Conference on Powder Metallurgy & Advanced Materials, October 29 – November 1, 2025, Cluj-Napoca, Romania (oral presentation). **15/4=3,75** **C. sub forma de poster** 1. Pruteanu A., Bălţatu M.S., Sandu A.V., Vizureanu P., Biofunctionalization of Titanium-Molybdenum Alloys for Biomedical Applications, EUROINVENT-ICIR 2025, International Conference on Innovative Research, Iasi, 8-9.05.2025, (poster presentation). **10/4=2,5** 2. Ghiculescu I., Bălţatu M.S., Sandu I.G., Pruteanu A., Sandu A.V., Vizureanu P., Beta Stabilizing Elements and Their Mechanisms on Titanium Alloys, EUROINVENT-ICIR 2025, International Conference on Innovative Research, Iasi, 8-9.05.2025, (poster presentation). **10/6=1,66** 3. Bălţatu M.S., Pruteanu A., Sandu A.V., Vizureanu P., Achiţei D.C., Perju M.C., Burduhos-Nergis D.D., Novel Ti-Mo-Zr-Ta Alloys for Orthopedic Applications: Development, Characterization and Performance Evaluation, EUROINVENT-ICIR 2025, International Conference on Innovative Research, Iasi, 8-9.05.2025, (poster presentation). **10/7=1,42** 4. Vizureanu P., Bălţatu M.S., Pruteanu A., Sandu A.V., Achiţei D.C., Perju M.C., Burduhos-Nergis D.D., Characterization and Optimization of Ti-Mo-Nb-Sn Alloys for Enhanced Biomedical Applications, EUROINVENT-ICIR 2025, International Conference on Innovative Research, Iasi, 8-9.05.2025, (poster presentation). **10/7=1,42** 5. Achitei D.C., Baltatu M.S., Sandu A.V., Vizureanu P., Minciuna M.G., Perju M.C., Burduhos-Nergis D.D., Hardness Modifications through Heat Treatments on Cooper Alloy, EUROINVENT-ICIR 2025, International Conference on Innovative Research, Iasi, 8-9.05.2025, (poster presentation). **10/6=1,66** 6. Achitei D.C., Baltatu M.S., Sandu A.V., Vizureanu P., Minciuna M.G., Perju M.C., Burduhos-Nergis D.D., Study of Thermal Proccesings Applied to an Aluminium Alloy, EUROINVENT-ICIR 2025, International Conference on Innovative Research, Iasi, 8-9.05.2025, (poster presentation). **10/7=1,42** 7. Tofan M., Sandu I.G., Baltatu M.S., Sandu A.V., Vizureanu P., Influence of Alloying Elements on the Stability and Performance of Cobalt Alloys for Medical Applications, EUROINVENT-ICIR 2025, EUROINVENT, International Conference on Innovative Research, Iasi, 8-9.05.2025, (poster presentation). **10/5=2,00** 8. Pruteanu A., Baltatu M.S., Tofan M., Ghiculescu I., Sandu A.V., Vizureanu P., The Evolution of Titanium Alloys for Medical Implant Applications, International Conference on Biomaterials & Regenerative Medicine BioREMED'2025, October 16-18, 2025, Oradea, România, (poster presentation). **10/6=1,66** 9. Ghiculescu I., Baltatu M.S., Tofan M., Sandu A.V., Vizureanu P., Influence of alloying elements on the structural and functional behavior of titanium alloys, 6th International Conference on Powder Metallurgy & Advanced Materials, October 29 – November 1, 2025, Cluj-Napoca, Romania (poster presentation). **10/5=2,00**	**144,99**
	2.4. Lucrări publicate în volumele conferinţelor **a. volume indexate ISI (12,87)** **Realizări:** 2.4.1. Jiménez-Marcos C., Baltatu M.S., Florido-Suárez N.R., Socorro-Perdomo P.P., Vizureanu P., Mirza-Rosca J.C. Mechanical properties and corrosion resistance of two new titanium alloys for orthopaedics applications, Materials Today: Proceedings, 2022. https://doi.org/10.1016/j.matpr.2022.09.394. **50/6=8.33** **b. volume indexate BDI (35)**	**8,33**

	2.4.c. volume neindexate BDI	
	2.5. Brevete acordate, produse omologate **Realizări:** 2.5.1. VIZUREANU P, Solar furnace for processing materials, has rotary working enclosure provided with metal envelope in which cut with opening is set , where solar radiation collected by solar energy supply system is projected to interior of enclosure, Patent Number(s): RO126961-A2 (60,00) 2.5.2. VIZUREANU P, PREDESCU A, Expert system for the control of thermal systems, consists of a software component loaded in a computer and a hardware component consisting of a parallel programmable interface. Patent Number(s): RO126973-A2 (30,00) 2.5.3. SANDU A V, BEJINARIU C, SANDU I G, VIZUREANU P, SANDU I, BACIU C, VASILACHE V, PROCESS FOR CORROSION-PROTECTION OF IRON PIECES BY PHOSPHATING IN AQUEOUS SYSTEM, Patent Number(s): RO128933-A2 (8,57) 2.5.4. VIZUREANU P, STEFANICA R G, ACHITEI D C, NEJNERU C, PERJU M C, Thermal treatment installation for cyclic ageing of aluminium alloys, Patent Number(s): RO128420-A2 (12,00) 2.5.5. VIZUREANU P, ACHITEI D C, NEJNERU C, PERJU M C, STEFANICA R G, INSTALLATION FOR THERMO-MECHANICAL FATIGUE TESTING OF ALLOYS WITH SHAPE MEMORY, Patent Number(s): RO128422-A2 (12,00) 2.5.6. RAILEANU T, HOPULELE I, FLORESCU A, COMANECI R, BEJINARIU C, SUSAN M, VIZUREANU P, BADARAU G, GRANCEA V, Mould mix moisture content continuous automatic metering technique, Patent Number(s): RO116362-B1 (6,66) 2.3.7. BURDUHOS NERGIȘ Dumitru Doru, VIZUREANU Petrică, CORBU Ofelia-Cornelia, ABDULLAH Mohd Mustafa Al Bakri, SANDU Victor-Andrei, Ecological geopolymer based on power-plant ash and glass powder from recycled wastes, for applications in the field of constructions, and process for preparing the same, Patent RO134321 / 2024. P=60/5 = 12 2.3.8. TOMA Ștefan Lucian, SAVIN Gabi, TOMA Bogdan Florin, BEJINARIU Costica, IONIȚĂ Iulian, VIZUREANU Petrică, BĂDĂRĂU Gheorghe, SANDU Andrei Victor, CAZAC Alin, BURDUHOS – NERGIȘ Diana – Petronela, Nozzle system used in electric arc thermal metal spray, Brevet OSIM RO134208B1 / 2024. P=60/10 = 6 2.3.9. GEANTĂ V., VOICULESCU I., ȘTEFĂNOIU R., BINCHICIU H., VIZUREANU P., KELEMEN H., CODESCU M.M., SANDU A.V., BĂLȚATU M.S., MARINESCU V, Aliaj cu entropie ridicată pentru aplicații medicale chirurgicale din sistemul metalurgic FeMmoTaTiZr și tehnologie de obținere, RO134978 A2, 29.11.2019, Romania **60/10=6,00** 2.3.10. VOICULESCU I., GEANTĂ V., ȘTEFĂNOIU R., KELEMEN H., VIZUREANU P., CODESCU M.M., SANDU A.V., BINCHICIU EMILIA FLORINA, BĂLȚATU M.S., Pătroi D., Aliaj cu entropie ridicată din sistemul MoNbTaTiZr microaliat cu ytriu pentru aplicații medicale și procedeu de consolidare, RO134977 A2, 29.11.2019, Romania **60/10=6,00**	**159,24**
	2.6. Proiecte/ Contracte/ Granturi de cercetare-dezvoltare câştigate prin competiţie 2.6.1. Director pentru Contractul de finanțare: PNCDI IV ERA NET nr. 8/2024, Programul: ERA-MIN3 Joint Transnational Call 2023, Finantator: Comisia Europeana, Horizont 2020 prin UEFISCDI, Denumirea proiectului: A new generation of metallic biomaterials as health solution for a sustainable life - Cool&SmarTit, Contractor: Universitatea Tehnică „Gheorghe Asachi", Valoarea proiectului: 1238250 lei; Valoare 2024: 450000 lei; Punctaj: 20x 450000 /10000 =900 2.6.2. Responsabil pentru Contract de finanțare: 101124670, Programul: EMFAF-2023-PIA-FLAGSHIP, Finantator: European Climate, Infrastructure and Environment Executive Agency, Grant managed through EU Funding & Tenders Portal: Yes (eGrants), Denumirea proiectului: Harnessing complementary curricular preparedness via sustainable management in response to civil and military pollution on the coastline, tributaries and lagoons in Black Sea's North, West, South zone - Black Sea SIERRA, Contractor: Universitatea Tehnică „Gheorghe Asachi"; Valoarea proiectului: 299995 lei; Valoare 2024: 71859,5; Punctaj 20x **168743,64**/10000= 337,49 2.6.3. Membru in proiectul: Model demonstrativ de biofuncționalizare pentru aliaje de Ti-Mo-Zr-Ta cu utilizare în implantologie ortopedică BIO-SIMTIT, Contract nr 5PED/2025, PN-IV-P7-7.1-PED2024-0080, Director de proiect: Bălțatu Mădălina Simona, **15 x 462.885,00/ 10000/7=66,13**	**1303,62**
	2.7. Proiecte/ Contracte/ Granturi de cercetare-dezvoltare încheiate cu institute de cercetare, companii, regii, societăţi comerciale	
	2.8. Creaţii de arhitectură, urbanism, restaurări, design şi arte plastice efectuate prin Universitate	
	2.9. Citări în reviste cotate ISI sau indexate în baze de date internaţionale (BDI)	**12503**
	Realizări **Wos ISI (2016-2025): 1921 citari x 5 = 9605 p**	

		
	Citari BDI (2016-2025): Scopus-WoS = 2887-1921= 966 x 3p = 2898 p  Total = 12503 puncte	
	2.10. Finalizare teză de doctorat	
	2.11. Elaborare standarde	
Total punctaj Criteriu 2		**17438,85**
3. Recunoaşterea naţională şi internaţională (minimum: • 15 puncte prof.; • 10 puncte conf.; • 5 puncte ş. l.)	**3.1.** Profesor invitat pentru prelegeri la univ. de prestigiu **Realizări:** 3.1.1. Malaezia iunie 2023 – 10 3.1.2. Serbia. SATCIPC 2024 – 10 3.1.3. Design and Evaluation of Biocompatible Ti-Mo-Nb-Sn Alloys for Load-Bearing Implants" MEDAN2025, 24-25 September 2025, Medan, Indonesia – 10 3.1.4. Innovations on of β-Titanium Alloys in Biomedical Applications: Recent Developments and Future Directions, 4th INTERNATIONAL MATERIALS TECHNOLOGIES AND METALLURGY CONFERENCE-2025, 2-3 Octombrie 2025, Istanbul, Turkiye. – 10 3.1.5. Biomedical performance of Ti-Mo-Zr-Ta and Ti-Mo-Si alloys with bioactive coatings based on hydroxyapatite and zirconia, Conferinta Bioceramics 35, 28-31 Octombrie 2025, Rio de Janeiro – Brazilia. – 10	**50**
	3.2. Membru în academii (Academia Română, Academia de Ştiinţe Tehnice, Academia de Ştiinţe Agricole şi Silvice, Academia Oamenilor de Ştiinţă etc.) **3.2.1.** Membru asociat ASTR **3.2.2.** Membru asociat AOSR	**100**
	3.3. Doctor Honoris Causa	
	3.4. Membru în societăţi ştiinţifice şi profesionale (AGIR, asociaţiile absolvenţilor etc.) **Realizări:** 3.4.1. ASM International, U.S.A., de la 13.12.2007, legitimaţia nr. 542373 - 10 3.4.2. AGIR, membru, legitimaţia nr. 58516. - 5 3.4.3. Materials Research Society, U.S.A. de la 01.01.2007 - 10 3.4.4. Societatea de Ştiinţe Matematice din România, legitimaţia nr. 227 - 5 3.4.5. Asociaţia Turnătorilor din România – 5 3.4.6. Forumul Inventatorilor Romani - 5 3.4.7. Membru al Societaţii Române de Biomateriale din 2013 -(5.00) 3.4.8 Membru al Asociaţiei Profesionale ModTech Romania - (5.00) 3.4.9. Societatea Romana de Biomateriale - 5	**55**
	3.5. Membru în comisii de doctorat **Realizări:** 3.5.1. Membru in comisia pentru colocviu de admitere – septembrie 2025 – 20 candidaţi – **20p** 3.5.2. Membru in comisii de doctorat Antoniac, – **5 p** 3.5.3. Membru incomisii de doctorat internationale Mirza – **20 p**	**45**
	3.6. Membru în colective de redacţie ale revistelor **Realizări:** 3.6.1. member of the Editorial board of the *International Journal on Heat and Mass Transfer - Theory and Applications (IREHEAT* http://www.praiseworthyprize.com/ireheat_editorial_board.htm) - 10. 3.6.2. Revista ATTIS – 10 3.6.3. International Journal of Conservation Science – 10	**80**

	3.6.4. International Journal of Mining Science – 10 3.6.5. American Journal of Bioengineering and Biotechnology – 10 3.6.6. European Journal of Materials Science and Engineering -10 3.6.7. Coatings - 20	
	3.7. Membru în comitete ştiinţifice naţionale/ internaţionale/ de program (la congrese, conferinţe etc.) **Realizări:** 3.7.1. MODTECh 2025 - 10 3.7.2. Euroinvent 2025 - 10 3.7.3. ICIR 2025 – 10 3.7.4. the International Conference on Innovative Materials, Physics, and Sustainability 2025 (ICMPS 2025) – 10 3.7.5. 4th INTERNATIONAL MATERIALS TECHNOLOGIES AND METALLURGY CONFERENCE-2025 (MTM 2025) – 10	**50**
	3.8. Membru în echipe de expertizare / evaluare a cercetării ştiinţifice (proiecte CNCS, PNCDI II, FP7, Phare; centre de cercetare etc.) 3.8.1. EISMEA = 14x10p = 140p 3.8.2. EIC Pathfinder = 9x10p = 90p 3.8.3. Austria = 1 x 10p = 10p 3.8.4. EISMEA Ukraine = 2x10p = 20p 3.8.5. Hong Kong = 1x10p = 10p 3.8.6. Polonia Sonata ST8 = 12x10p = 120p 3.8.7. Polonia Sonata NZ7 = 1x10p = 10p 3.8.8. Polonia Preludium ST8 = 14x10p = 140p 3.8.9. Polonia Sonata ST10, ST11 = 2x10p = 20p 3.8.10. Eureka = 1x10p = 10p 3.8.11. Denmark = 1 x 10p = 10p 3.8.12. M.ERA-NET= 3 x 10p = 30p	**610**
	3.9. Membru în echipe de expertizare (evaluare) a procesului educaţional (ARACIS, EUA etc.) **Realizări:** 3.9.1. Comisie evaluare 2 universitati Georgia = 2x10p = 20p 3.9.2. Comisie evaluare universitate Kosovo = 1x10p = 10p 3.9.3. Comisie evaluare licenta UTBV = 1x10p = 10p 3.9.4. Comisie evaluare doctorat UV Targoviste = 1x10p = 10p	**50**
	3.10. Membru în consilii naţionale de specialitate 3.10.1. Membru Comisia de Ingineria Materialelor – CNATDCU – 15	**15**
	3.11. Organizator de manifestări ştiinţifice naţionale / internaţionale / sesiuni invitate **Realizări:** 3.11.1. EUROINVENT 2025 – (10) 3.11.2. Chairman ICIR EUORINVENT 205 – 15	**25**
	3.12. Referent ştiinţific / expert naţional şi internaţional (pentru reviste, congrese etc.) **Realizări:** 3.12.1. IIIS.ORG (2) – 10 pct 3.12.2. Materials and Design (3) – 30 pct. 3.12.3. JOLT (9) – 90 pct 3.12.4. JALCOM (3) – 30 pct 3.12.5. Mat Chem Phys. (2) – 20 pct 3.12.6. Mat Letters (2) – 20 pct. 3.12.7. ICAI Bulgaria (4) – 40 pct. 3.12.8. Sci Reports (1) – 10 pct. 3.12.9. AMM (7) – 70 pct. 3.12.10. J Build Eng (18) – 180 pct. 3.12.11. JMRT (10) – 100 pct. 3.12.12. Mat Today (7) – 70 pct. 3.12.13. Hyb Advances (1) – 10 pct. 3.12.14. ACS Omega (1) – 10 pct. 3.12.15. Con Build Mat (3) – 30 pct. 3.12.16. JJMIE (1) – 10 pct. 3.12.17. Env Res (2) – 20 pct 3.12.18. J Energy Sto (1) – 10 pct 3.12.19. Next Mat (3) – 30 pct 3.12. 20 Apl. Sci Surf. (1) – 10 pct. 3.12. 21 JMEP (1) – 10 pct. 3.12. 22 BAB (1) – 10 pct. 3.12. 23 Powder Tech (2) – 20 pct. 3.12. 24 MICREL (3) – 30 pct. 3.12. 25 Composites A (1) – 10 pct. 3.12. 26 Progress in Eng Sci (2) – 20 pct. 3.12. 27 CHEM papers (1) – 10 pct. 3.12. 28 Restuls in Eng (3) – 30 pct. 3.12. 29 NEXUS (1) – 10 pct. 3.12. 30 Frontiers (1) – 10 pct. 3.12. 31 Diamond (1) – 10 pct. 3.12. 32 eCM (1) – 10 pct. 3.12. 33 J Phys & Chem Solds (1) – 10 pct. 3.12. 34 J Taiwan ICHEM (1) – 10 pct. 3.12. 35 Intel ZKG (2) – 20 pct. 3.12. 36 CIRP JMST (2) – 20 pct. 3.12. 37 AMME (1) – 10 pct.	**2050**

	3.13. Membru în comisii de concurs pentru posturi didactice universitare **Realizări:** 3.13.1. Membru în comisia de concurs pentru ocuparea postului de profesor/conferentiar	**0**
	3.14. Membru în jurii, comisii, concursuri profesionale 3.14.1. Preşedinte al Comisiei de inventariere anuală pentru Departamentul IMSI 3.14.2. Preşedinte al Comisiei de inventariere anuală pentru Departamentul TEPM	**10**
	3.15. Cercetător invitat pentru activităţi de cercetare în universităţi/firme de prestigiu	
	3.16. Cadru didactic invitat în programe ERASMUS (prelegeri)	**0**
	3.17.Cadru didactic care gestioneaza acorduri bilaterale ERASMUS 3.17.1. Acord Universiti Perlis Malaysia 2022-2027 3.17.2. Acord Israel 2022-2027 3.17.3. Acord Taiwan 2022-2027 3.17.4. Acord Univiersiti Terengannu Malaysia 2022-2027 3.17.5. Acord Universite IBN TOFAIL, Benil Mellall, Maroc, 2020-2025 3.17.6. Acord Nagoya University, Japonia, 2019-2024 3.17.7. Acord Brazilia, 2020-2024 3.17.8. Acord Argentina, 2020-2024 3.17.9. Acord Polonia, Szcseczin 2019-2024 3.17.10. Acord Polonia, Kazimir University, 2019-2024 3.17.11. Acord Ungaria, Obuda University, 2019-2024 3.17.12. UCTM Bulgaria, 2022-2027	**60**
	3.18. **Realizări:** **20 X 20 P**	**400**

2025	Gold medal	23 International Exhibition of Innovation, ARCA 202 Zagreb Croatia	Madalina Simona BALTATU, Petrica VIZUREANU, Victoras GEANTĂ,Radu ŞTEFĂNOIU, Ionelia VOICULESCU, Andrei Vic SANDU
2025	Silver medal	23 International Exhibition of Innovation, ARCA 202 Zagreb Croatia	Dumitru Doru BURDUHOS NERGIŞ, Andrei Victor SANDU, MadalinaSimona BALTATU, DragosCristian ACHITEI, Manuela Cristina PERJU, Diana-Petronela BURDUHOSNERGIS, Andriana SURLEVA, Petrica VIZUREANU
2025	Gold medal	8th China (Shanghai) International Exhibition of Inventions	Madalina Simona BALTATU, Petrica VIZUREANU, Victoraş GEANTĂ,Radu ŞTEFĂNOIU, Ionelia VOICULESCU, Andrei Vic SANDU
2025	Gold medal	Week IWA 2025.-82 September 2025	Madalina Simona BALTATU, Petrica VIZUREANU, Victoraş GEANTĂ,Radu ŞTEFĂNOIU, Ionelia VOICULESCU, Andrei Vic SANDU
2025	Gold medal	ICAN Toronto	Madalina Simona BALTATU, Petrica VIZUREANU, Victoraş GEANTĂ,Radu ŞTEFĂNOIU, IonelIaOICULESCU, Andrei Victo SANDU
2025	Gold medal	19 International Invention Show INOVA Croatia	Dumitru Doru BURDUHOS NERGIŞ, Andrei Victor SANDU, MadalinaSimona BALTATU, DragosCristian ACHITEI, Manuela Cristina PERJU, Diana-Petronela BURDUHOSNERGIS, Andriana SURLEVA, Petrica VIZUREANU
2025	Gold medal	18th INTARG® 2025 International Invention and Innovation Contest	Dumitru Doru BURDUHOS NERGIŞ, Andrei Victor SANDU, MadalinaSimona BALTATU, DragosCristian ACHITEI, Manuela Cristina PERJU, Diana-Petronela BURDUHOSNERGIS, Andriana SURLEVA, Petrica VIZUREANU
2025	Gold medal	International Invention Fair ISIF Istanbul	Dumitru Doru BURDUHOS NERGIŞ, Andrei Victor SANDU, MadalinaSimona BALTATU, DragosCristian ACHITEI, Manuela Cristina PERJU, Diana-Petronela BURDUHOSNERGIS, Andriana SURLEVA, Petrica VIZUREANU
2025	Silver medal	International Invention and Trade Fair London 2025	Dumitru Doru BURDUHOS NERGIŞ, Andrei Victor SANDU, MadalinaSimona BALTATU,DragosCristian ACHITEI, Manuela Cristina PERJU, Diana-Petronela BURDUHOSNERGIS, Andriana SURLEVA, Petrica VIZUREANU
2025	Gold medal	International Invention and Trade Fair London 2025	Madalina Simona BALTATU, Petrica VIZUREANU, Victoraş GEANTĂ,Radu ŞTEFĂNOIU, Ionelia VOICULESCU, Andrei Vic SANDU
2025	Gold medal	Kaohsung International Invention Show KIDE 2025	Dumitru Doru BURDUHOS NERGIŞ, Andrei Victor SANDU MadalinaSimona BALTATE, Dragos-Cristian ACHITEI, Manuela Cristina PERJU, Diana-Petronela BURDUHOSNERGIS, Andriana SURLEVA, Petrica VIZUREANU
2025	Gold medal	Kaohsung International Invention Show KIDE 2025	Madalina Simona BALTATU, Petrica VIZUREANU, Victoraş GEANTĂ,Radu ŞTEFĂNOIU, Ionelia VOICULESCU, Andrei Vic SANDU
2025	Gold medal	Saudi Global Invention and innovation SpaceIE 2025	Dumitru Doru BURDUHOS NERGIŞ, Andrei Victor SANDU, MadalinaSimona BALTATU, DragosCristian ACHITEI, Manuela Cristina PERJU, Diana-Petronela BURDUHOSNERGIS, Andriana SURLEVA, Petrica VIZUREANU
2025	Gold medal	World Invention Creative Olimpics, Korea-19, 2025	Dumitru Doru BURDUHOS NERGIŞ, Andrei Victor SANDU, MadalinaSimona BALTATU, DragosCristian ACHITEI, Manuela Cristina PERJU, Diana-Petronela BURDUHOSNERGIS, Andriana SURLEVA, Petrica VIZUREANU
2025	Gold medal	Development Invention Show, Dubai, DIS EXPO	Dumitru Doru BURDUHOS NERGIŞ, Andrei Victor SANDU, MadalinaSimona BALTATU, DragosCristian ACHITEI, Manuela Cristina PERJU, Diana-Petronela BURDUHOSNERGIS, Andriana SURLEVA, Petrica VIZUREANU
2025	Gold medal	INTERNATIONAL COMPETITION ON SCIENCE TECHNOLOGYENGINEERING AND MATHEMATICS (ICSTEM) 2025 SILKA MAYTOWER HOTEL, KUALA LUMPUR MALAYSIA, 9th OCTOBER 2025	Madalina Simona BALTATU, Petrica VIZUREANU, Victoraş GEANTĂ,Radu ŞTEFĂNOIU, Ionelia VOICULESCU, Andrei Vic SANDU
2025	Gold medal	International Exhibition INVENTCOR 4edition, 35 April 2025, Deva, Romania	Dumitru Doru BURDUHOS NERGIŞ, Andrei Victor SANDU, MadalinaSimona BALTATU, DragosCristian ACHITEI, Manuela Cristina PERJU, Diana-Petronela BURDUHOSNERGIS, Andriana SURLEVA, Petrica VIZUREANU
2025	Gold medal	„Traian Vuia" International Exhibition of Inventions a Innovations, 34 October 2025	Madalina Simona BALTATU, Petrica VIZUREANU, Victoraş GEANTĂ,Radu ŞTEFĂNOIU, IonelIaOICULESCU, Andrei Victo SANDU
2025	Gold medal	„Traian Vuia" International Exhibition of Inventions a Innovations, 34 October 2025	Petrica VIZUREANU, Ioana Corina MOGA, Madalina Simona BALTATUNicoleta Raluca ILANU, Andrei Victor SANDU
2025	Gold medal	"CONSTANTIN BRANCUSI" UNIVERSITY OF TARGU JIU TECHNOLOGICAL FORUM OLTENI TECHFEST	Madalina Simona BALTATU, Petrica VIZUREANU, Victoraş GEANTĂ,Radu ŞTEFĂNOIU, Ionelia VOICULESCU, Andrei Vic SANDU

Total punctaj Criteriu 3	**3600**

4. Activitatea cu studenţii (minimum: • 10 puncte prof.; • 7 puncte conf.; • 5 puncte ș.l.)	4.1. Conducere cercuri ştiinţifice studenţeşti Realizări: 2 x 3=6	**6**
	4.2. Pregătire pentru concursuri profesionale (pentru fazele naţională şi internaţională)	
	4.3. Conducere lucrări de absolvire[2], licenţă (diplomă), disertaţie, doctorat ((inclusiv cotutelă, membri în echipa de îndrumare) **Realizări:** 4.3.1. 5 lucrări de licență **(3x5=15p)** 4.3.2. 5 lucrări de dizertatie **(5x5=25p)**	**40**
	4.4. Îndrumare ani de studii	
	4.5. Organizarea de excursii de studii, prezentarea ofertei educaționale a universității în licee	
	4.6. Activități cu studenți ERASMUS	
Total punctaj Criteriu 4		**46**
5. Activitatea în comunitatea academică (minimum: • 15 puncte prof.; • 10 puncte conf.); • 5 puncte ș.l.;	**5.1.** Participare la mese rotunde, dezbateri organizate la nivelul facultății/ universității etc. 5.1.1. Workshop pentru Proiectul A new generation of metallic biomaterials as health solution for a sustainable life - Cool&SmarTit, Contractor: Universitatea Tehnică „Gheorghe Asachi", Director proiect: Vizureanu Petrică: 9 Mai 2025 Romania **, Iasi , 5 x 1 = 5.00** 5.1.2. Workshop – BIO-SIMTIT - Biofunctionalization of Ti alloys (PH) organizat în data de 9 mai 2025, Iași **5x1=5,00** 5.1.3. Workshopul pe proiectul Cool&SmarTit la UAX - Universidad Alfonso X el Sabio, Madrid, Spania în perioada 1-5 Iulie 2025 **5x1=5,00** 5.1.4. Prezentare la Erasmus+ BLENDED INTENSIVE PROGRAM – Exploring Advanced Materials and Dermocosmetic Futures **5x1=5,00**	**20**
	5.2. Activitate în comisii **Realizări:** 5.2.1. Consiliu departament - 3 5.2.2. Comisie de licenta EPI, Comisie master SITM – 6	**9**
	5.3. Coordonare programe de studii de licență/ masterat/ postuniversitare de formare continuă **Realizări:** 5.3.1. Coordonator program de studii EPI – 5 5.3.2. Coordonator domeniu Ingineria Mecanica, program de master SITM – 5	**10**
Total punctaj Criteriu 5		**39,00**
Total punctaj Criterii 1-5		**21270,57**
6. Evaluarea de către Directorul de Departament (0-50 puncte)	**Justificări:** • .....; • .....; •	**50**
Total general		**21320,57**

Data: 07.05.2026

	Funcție didactică/ Nume și prenume	Semnătura
Director Departament	**Prof. univ. dr. ing. Petrică VIZUREANU**	
Cadru didactic evaluat	**Prof. univ. dr. ing. Petrică VIZUREANU**	