Anexa nr. 1

Domnule Director de Departament

Subsemnata Lohan Nicoleta-Monica, cadru didactic al Universității Tehnice „Gheorghe Asachi" din Iași cu funcția actuală de Conferențiar, în cadrul Departamentului de Ingineria Materialelor și Securitate Industrială, 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 Asahi" din Iasi, PO.DID.11

Data, Semnătura,

19.10.2026

Anexa nr. 2

RAPORT DE AUTOEVALUARE A ACTIVITĂŢII PENTRU ANII 2021 – 2025

Numele şi prenumele: Lohan Nicoleta-Monica
Funcţia didactică: Conferențiar
Facultatea/ Departamentul: Știința și Ingineria Materialelor / Ingineria Materialelor și Securitate Industrială

Criteriul 1. Activitatea didactică

Punctaj total Criteriul 1. Activitatea didactică: **131,54** (Minimum impus pentru conferențiar: 15 puncte) **CRITERIU ÎNDEPLINIT**

Criteriul 2. Activitatea de cercetare științifică

Punctaj total Criteriul 2. Activitatea de cercetare științifică: **3080,61** (Minimum impus pentru conferențiar: 100 puncte) **CRITERIU ÎNDEPLINIT**

Criteriul 3. Recunoașterea națională și internațională

Punctaj total Criteriul 3. Recunoașterea națională și internațională: **339,00** (Minimum impus pentru conferențiar: 10 puncte) **CRITERIU ÎNDEPLINIT**

Criteriul 4. Activitatea cu studenţii

Punctaj total Criteriul 4. Activitatea cu studenţii: **327,00** (Minimum impus pentru conferențiar: 7 puncte) **CRITERIU ÎNDEPLINIT**

Criteriul 5. Activitatea în comunitatea academică

Punctaj total Criteriul 5. Activitatea în comunitatea academică: **114,00** (Minimum impus pentru conferențiar: 10 puncte) **CRITERIU ÎNDEPLINIT**

Semnătura ……..

Data 19.10.2026

UNIVERSITATEA TEHNICĂ „GHEORGHE ASACHI” DIN IAŞI

FACULTATEA DE ȘTIINȚA ȘI INGINERIA MATERIALELOR

DEPARTAMENTUL INGINERIA MATERIALELOR ŞI SECURITATE INDUSTRIALĂ

FIȘA DE AUTOEVALUARE Și DE EVALUARE DE CĂTRE DIRECTORUL DE DEPARTAMENT

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

Numele şi prenumele cadrului didactic evaluat	**Nicoleta-Monica LOHAN**
Funcţia didactică	**Coonf.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 Curs *Tehnici de analiză și caracterizare a materialelor* introdus în PLANULUI DE ÎNVĂŢĂMÂNT, seria 2018 – 2021 *1 x 20 = 20* 1.1.2 Laborator *Tehnici de analiză și caracterizare a materialelor* introdus în PLANULUI DE ÎNVĂŢĂMÂNT, seria 2018 – 2021 *1 x 10 = 10* 1.1.3 Curs *Etică și integritate* în PLANULUI DE ÎNVĂŢĂMÂNT, seria 2018 – 2021 1.1.4 *1 x 20 = 20* 1.1.4. Seminar *Etică și integritate* în PLANULUI DE ÎNVĂŢĂMÂNT, seria 2018 – 2021 *1 x 10 = 10*	**60**
	1.2. Elaborare manuale universitare (inclusiv în sistem e-learning) **Realizări:** 1.2.1. N.M. Lohan, B. Pricop, L. G. Bujoreanu, Tehnici avansate de analiză termică. Îndrumar de laborator. Ed. Performantica, 2020, ISSN 978-606-685-736 *7 x (138/100) / 3 = 3,22* 1.2.2. D.A. Gheorghiu, M.A. Bernevig, E. Matcovschi, N.M. Lohan, A.M.Cazac, M. Popa, Lucrări practice de sudură. Îndrumar pentru laborator. Ed. Pim, Iasi 2021 *7 x (200/100) / 6 = 2,33* 1.2.3. C. Baciu, M.-N. Lohan, E. Matcovschi, D.-P. Burduhos-Nergiș, M. Popa, Știința și ingineria materialelor. Noțiuni generale-partea I, Editura Performantica, Iași, 2022, ISBN 978-606-685-911-0 *30 x (120/100) / 5 = 7,2* 1. 2. 4. C. Bejinariu, I. Mălureanu, V.V. Moldoveanu, Ș.L. Toma, D.A. Gheorghiu, N.M. Lohan, A. Corăbieru, A.M. Cazac, D.P. Burduhos-Nergiș, Tehnologia materialelor / Știința și Ingineria Materialelor. Lucrări practice, Ed. Tehnopress, 2022, Iași, ISBN 978-973-702-759-7 *7 x (344/100) / 9 = 2,68*	**18,17**

	1. 2. 5. N. M. Lohan, M. Popa, D.-P. Burduhos-Nergiș, M. Baciu, E. Matcovschi, I. Rusu, Știința și Ingineria Materialelor. Aplicații practice., Ed. Performantica, Iași, 2024, ISBN 978-630-328-082-0 *7 x (235/100) / 6 = 2,74*	
	1.3. Elaborare suporturi de cursuri, seminarii, laboratoare, proiecte **Realizări:** 1.3.1. Tehnici avansate de analiză termică 1. Suport de curs format electronic pentru uzul studenților, 2023 https://sim.tuiasi.ro/wp-content/uploads/2026/10/Curs-TAAT-1_2023.pdf *3 x (359/100) / 1 = 10.77* 1.3.2. Tehnici avansate de analiză termică 2. Suport de curs format electronic pentru uzul studenților, 2025 https://sim.tuiasi.ro/wp-content/uploads/2026/10/Curs-TAAT-2_2025-2026.pdf *3 x (309/100) / 1 = 9,27* 1.3.3. Tehnici de analiză şi caracterizare a materialelor. Suport de curs format electronic pentru uzul studenților, 2023, https://sim.tuiasi.ro/wp-content/uploads/2023/12/Curs-TACM_2022.pdf *3 x (346/100) / 1 = 10,38* 1.3.4. Tehnici de analiză şi caracterizare a materialelor. Aplicații practice, 2023, https://sim.tuiasi.ro/wp-content/uploads/2023/12/Laborator-TACM.pdf *3 x (45/100) / 1 = 1,35* 1.3.5. Lohan. N.M., Pricop B. Advanced thermal analysis techniques, Laboratory work, format electronic pentru uzul studenților, 2025, https://sim.tuiasi.ro/wp-content/uploads/2025/04/Advanced%20thermal%20analysis%20techniques_v2.pdf?_t=1777975969 *10 x (57/100) / 2 = 2.85*	**34.62**
	1.4. Elaborare manuale şi alte materiale pentru învăţământul preuniversitar **Realizări:** 1.4.1. ..... 1.4.2.	**-**
	1.5. Modernizare tehnologie didactică din alte surse decât din cele publice (donații, sponsorizări etc.) **Realizări:** **1.5.1. c** Elaborare lucrări noi de laborator 1.5.1.1. Lucrări noi de laborator la disciplina Știința și ingineri materialelor în anul 2023: 1. Încercări pentru determinarea durității și microdurităţii materialelor 2. Microstructuri specifice materialelor metalice prelucrate prin sudare 3. Studiul macroscopic al materialelor utilizate la fabricarea sculelor aşchietoare *(5 x 3) / 4 = 3,75* 1.5.1.2. Lucrări noi de laborator la dusciplina Tehnici de analiză şi caracterizare a materialelor: 1. Analiza materialelor prin calorimetrie diferențială cu baleiaj. Determinarea temperaturilor de topire și solidificare 2. Analiza materialelor prin analiză mecano-dinamică. Determinarea capacității de amortizare a unui material metalic 3. Determinarea microdurității materialelor metalice *(5 x 3) / 1 = 15*	**18,75**
Total punctaj Criteriu 1		**131,54**
2. Cercetarea ştiinţifică (minimum:	**2.1.** Elaborare cărţi/ monografii/ tratate **Realizări:** **2.1. Capitole de cărți:** 2.1.1. Adrian Petru Teodoriu , Bogdan Pricop , Nicoleta-Monica Lohan , Mihai Popa , Radu Ioachim Comăneci , Ioan Doroftei, Leandru-Gheorghe Bujoreanu, Advanced Robots Design,	**5.91**

• 150 puncte prof.; • 100 puncte conf.; • 60 puncte ș.l.; • 30 puncte asist.)	Control and Application—2nd, Designing a Robotic Gripper Based on the Actuating Capacity of NiTi-Based Shape Memory Wires, pp. 80-97, (Ed.) MDPI, Basel, 2024, ISBN 978-3-7258-2755-8. *50 x (17/100) / 7=1,21* 2.1.2. Nicoleta-Monica LOHAN, Leandru-Gheorghe BUJOREANU, Development of experimental CuZnAl-based shape memory actuators, Research and Innovation in Advanced Engineering Materials, M. Naito, A. Buchacz, A. Baier, P. Topala, D. Nedelcu (Eds.) ModTech Publishing House, Iași, 2019, pp. 78-92, ISBN 978-606-93704-5-2. *50 x (14/100) / 2=3,5* 2.1.3. Leandru-Gheorghe Bujoreanu, Bogdan Pricop, Nicoleta Monica Lohan, Marius-Gabriel Suru, Bogdan Istrate, Chapter 7 Structural and Chemical Variations Induced by Thermomechanical Cycling in Shape Memory Actuators, in: Frontiers in Materials Processing, Applications, Research and Technology, Select Proceedings of FiMPART 2015, Editors: Muruganant, M., Ali, Chirazi, Raj, Baldev, Springer Nature, Singapore, 2018, pp. ,63-74 (12 pagini), ISBN 978-981-10-4818-0. *50 x (12/100) / 5=1,2*	
	2.2. Articole publicate în reviste de specialitate **Realizări:** **a. reviste cotate ISI** 2.2.1.a B. Pricop, B. Özkal, U. Söyler, J. Van Humbeeck, N. M. Lohan, M.-G. Suru, I.-P. Spiridon, and L.-G. Bujoreanu, Structural changes caused by high-temperature holding of powder shape memory alloy 66%Fe–14%Mn–6%Si–9%Cr–5%Ni, Metal Science and Heat Treatment , Vol. 57, Nos. 9 – 10, J 2016, *(30+40*0,379)/8=5,65* 2.2.2.a I.-P. Spiridon, N.-M. Lohan, M.-G. Suru, E. Mihalache, L.-G. Bujoreanu, B. Pricop, A study of free recovery in A Fe – Mn – Si – Cr shape memory alloy, Metal Science and Heat Treatment, Vol. 57, Nos. 9 – 10, p. 548-522, 2016, *(30+40*0,379)/6=7,54* 2.2.3.a Marius-Gabriel Suru, Nicoleta-Monica Lohan, Bogdan Pricop, Elena Mihalache, Mihai Mocanu, and Leandru-Gheorghe Bujoreanu, Precipitation Effects on the Martensitic Transformation in a Cu-Al-Ni Shape Memory Alloy, Journal of Materials Engineering and Performance, 25(4), pp. 1562-1569, 2016 *(30+40*1,476)/6=14,84* 2.2.4.a G. Vitel, Pricop, Suru, M. Lohan, LG. Bujoreanu; Study of Temperature Memory Effect During the Thermal Cycling in Hydraulic Systems, JOURNAL OF TESTING AND EVALUATION, 44, 4, 2016 *(30+40*0,711)/5=11,68* 2.2.5.a N. Dumitru; N. M. Lohan; I., Volf; R.-I. Comăneci, Thermal behaviour and stability of the Arboform (R) LV3 nature liquid wood, COMPOSITES PART B-ENGINEERING Volume: 103 p. 84-89, 2016, *(30+40*9.078)/4=98,28* 2.2.6.a M. Suru, M. Lohan, E. Mihalache, Pricop B., Mocanu M., LG. Bujoreanu, AFM Evaluation of Pre-Straining Degree Effects on the Dimensions of Stress Induced Martensite Plates in Fe-Mn-Si Based SMAs, JOURNAL OF TESTING AND EVALUATION, Volume: 45 Issue: 2 Pages: 419-427, 2017 *(30+40*0,711)/6=9,74* 2.2.7.a Lohan, NM, Pricop, B., Burlacu, L., Bujoreanu, L.G. Using DSC for the detection of diffusion-controlled phenomena in Cu-based shape memory alloys, JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, Volume: 131 Issue: 1, Pages: 215-224, DOI: 10.1007/s10973-016-5926-4, 2018 *(30+40*4.4)/4=51.5* 2.2.8.a Cimpoesu, N., Mihalache, E., Lohan, NM., Suru, MG., Comaneci, RI., Ozkal, B., Bujoreanu, LG., Pricop, P., Structural-morphological fluctuations induced by thermomechanical treatment in A Fe - Mn - Si shape memory alloy, Metal Science and Heat Treatment Volume: 60 Issue: 7-8 Pages: 471-477, DOI: 10.1007/s11041-018-0303-5, 2018 *(30+40*0,6)/8=6.75*	**628,32**

2.2.9.a Lohan, N.M., Pricop, B., Popa, M. N Microstructure and Chemical Properties of NiTiTa Alloys, Journal of Materials Engineering and Performance (Q3),Volume 28, Issue 12, Page 7273-7280, DOI 10.1007/s11665-019-04473-6, Published Dec 2019, Indexed 2020-01-28, Document Type: Article, Language English, Accession Number WOS: 000507536600010, eISSN 1544-1024, impact factor 2022: 2,3

*(30+40*2,3)/8=15.25*

2.2.10. Bernevig-Sava, M.-A., Darabont, D.C., Lohan, M., Mihalache, E., Bejinariu, C., Selection and verification of personal protective equipment in the context of current legal requirements , Quality - Access to Success, Volume 20, Page 109-112, Published Jan 2019, Indexed 2019-03-07, Document Type: Article, Language English, Accession Number WOS: 000459686300019, ISSN 1582-2559, impact factor 2022: 0.6

*(30+40*0.6)/5=10.8*

2.2.11. D D. Nedelcu, S.-N. Mazurchevici, R.-I. Popa, **N.-M. Lohan**, D. Maldonado-Cortés, C. Carausu, *Tribological and Dynamical Mechanical Behavior of Prototyped PLA-Based Polymers*, Materials (Q2), Volume 13, Issue 16, Article Number 3615, DOI 10.3390/ma13163615, Published Aug 2020, Indexed 2020-09-15, Document Type: Article, Language English, Accession Number WOS: 000564753600001, eISSN 1996-1944, impact factor 2023: 3.1

*(30+40*3,1)/6=25.66*

2.2.12.a S-N. Mazurchevici, J.G. Motas, M. Diaconu, G. Lisa, N.M. Lohan, M. Glod, D. Nedelcu, Nanocomposite Biopolymer Arboblend V2 Nature AgNPs, Polymers (Q1), Volume 13, Issue 17, Article Number 2932, DOI 10.3390/polym13172932, Published Sep 2021, Indexed 2021-09-18, Document Type: Article, Language English, Accession Number WOS: 000694315100001, eISSN 2073-4360, impact factor 2023: 4,7

*(30+40*4,7)/7=31,14*

2.2.13.a M. Roman, V. Geantă, R. Cimpoeșu, C. Munteanu, N. M. Lohan, G. Zegan, E. R. Cernei, I. Ioniță, N. Cimpoeșu, N. Ioanid, In-Vitro Analysis of FeMn-Si Smart Biodegradable Alloy, Materials (Q2), Volume 15, Issue 2, Article Number 568, DOI 10.3390/ma15020568, Published Jan 2022, Indexed 2022-02-06, Document Type: Article, Language English, Accession Number WOS: 000748150300001, eISSN 1996-1944, impact factor 2023: 3.1

*(30+40*3,1)/10=15,4*

2.2.14.a Pricop, B.; Sava, Ș.D.; **Lohan, N.-M.;** Bujoreanu, L.-G. *DMA Investigation of the Factors Influencing the Glass Transition in 3D Printed Specimens of Shape Memory Recycled PET*. Polymers (Q1), Volume 14, Issue 11, Article Number 2248, DOI 10.3390/polym14112248, Published Jun 2022, Indexed 2022-06-20, Document Type: Article, Language English, Accession Number WOS: 000808764300001, eISSN 2073-4360, impact factor 2023: 4,7

*(30+40*4,7)/4=54.5*

2.2.15.a Popa M, Lohan N-M, Pricop B, Cimpoeșu N, Porcescu M, Comăneci RI, Cazacu M, Borza F, Bujoreanu L-G. Structural-Functional Changes in a Ti50Ni45Cu5 Alloy Caused by Training Procedures Based on Free-Recovery and Work-Generating Shape Memory Effect. Nanomaterials (Q1), Volume 12, Issue 12, Article Number 2088, DOI 10.3390/nano12122088, Published Jun 2022, Indexed 2022-07-03, Document Type: Article, Language English, Accession Number WOS: 000816628600001, eISSN 2079-4991, impact factor 2023: 4,4

*(30+40*4,4)/9=22.88*

2.2.16.a A.-M. Roman, I. Voiculescu, R. Cimpoeșu, B. Istrate, R. Chelariu, N. Cimpoeșu, G. Zegan, C. Panaghie, **N. M. Lohan**, M. Axinte, A. M. Murariu, *Microstructure, Shape Memory Effect, Chemical Composition and Corrosion Resistance Performance of Biodegradable FeMnSi-Al Alloy*, Crystals (Q2), Volume 13, Issue 1, Article Number 109, DOI 10.3390/cryst13010109, Published Jan 2023, Indexed 2023-02-05, Document Type: Article, Language English, Accession Number WOS: 000917018500001, eISSN 2073-4352, impact factor 2023: 2.4

*(30+40*2.4)/11=11.45*

2.2.17.a Popa, M.; Popa, F.; Pricop, B.; Cimpoeșu, **N.M. Lohan**, N.-M.; Kicsi, G.; Istrate, B.; Bujoreanu, L.-G. *Heat Treatment and Dynamic Mechanical Analysis Strain Sweep Effects on the Phase Structure and Morphology of an Fe-28Mn-6Si-5Cr Shape Memory Alloy*. Nanomaterials (Q1), Volume 16, Issue 8, Article Number 3092, DOI 10.3390/ma16083092, Published Apr 2023, Indexed 2023-05-11, Document Type: Article, Language English, Accession Number WOS: 000977008300001, eISSN 2079-4991, impact factor 2023: 4,4

*(30+40*4.4)/8=25.75*

2.2.18.a Panaghie, C.; Zegan, G.; Sodor, A.; Cimpoeșu, N.M; Lohan, N.-M.; Istrate, B.; Roman, A.-M.; Ioanid, N. Analysis of Degradation Products of Biodegradable ZnMgY Alloy. Materials (Q2), Volume 13, Issue 7, Article Number 1250, DOI 10.3390/nano13071250, Published Apr 2023, Indexed 2023-04-28, Document Type: Article, Language English, Accession Number WOS: 000977008300001, eISSN 1996-1944, impact factor 2023: 3.1

*(30+40*3.1)/8=19.25*

2.2.19.a Sava, Ș.-D.; Lohan, N.-M.; Pricop, B.; Popa, M.; Cimpoeșu, N.; Comăneci, R.-I.; Bujoreanu, L.-G. On the Thermomechanical Behavior of 3D-Printed Specimens of Shape Memory R-PETG. Polymers (Q1), Volume 15, Issue 10, Article Number 2378, DOI 10.3390/polym15102378, Published MAY 19 2023, Indexed 2023-07-14, Document Type: Article, Language English, Accession Number WOS: 000998066100001, eISSN 2073-4360, impact factor 2023: 4,7

*(30+40*4,7)/7=31.14*

2.2.20.a Roman, AM., Cimpoesu, R., Pricop, B., Lohan, NM., Cazacu, MM., Bujoreanu, LG., Panaghie, C., Zegan, G., Cimpoesu, N., Murariu, AM., Influence of Dynamic Strain Sweep on the Degradation Behavior of FeMnSi-Ag Shape Memory Alloys, JOURNAL OF FUNCTIONAL BIOMATERIALS (Q2), Volume 14, Issue 7, Article Number 377, DOI 10.3390/jfb14070377, Published Jul 2023, Indexed 2023-08-12, Document Type: Article, Language English, Accession Number WOS: 001038546200001, eISSN 2079-4983, impact factor 2023: 5

*(30+40*5)/7=32,85*

2.2.21.a Sava, SD., Pricop, B., Comaneci, RI., Cimpoesu, N., Popa, M., Lohan, NM., Bujoreanu, LG., Variations in the Thermomechanical and Structural Properties during the Cooling of Shape-Memory R-PETG, POLYMERS, (Q1), Volume 16, Issue 14, Article Number 1965, DOI 10.3390/polym16141965, Published Jul 2024, Indexed 2024-08-02, Document Type: Article, Language English, Accession Number WOS: 001277210500001, eISSN 2073-4360, impact factor 2023: 4,7

*(30+40*4.7)/7=31,14*

2.2.22.a Teodoriu, AP., Pricop, B., Lohan, NM., Popa, M., Comaneci, RI., Doroftei, I., Bujoreanu, LG., Designing a Robotic Gripper Based on the Actuating Capacity of NiTi-Based Shape Memory Wires, ACTUATORS (Q2), Volume 13, Issue 8, Article Number 319, DOI 10.3390/act1308031933, Published Aug 2024, Indexed 2024-09-15, Document Type: Article, Language English, Accession Number WOS: 001305681500001, eISSN 2076-0825, impact factor 2023: 2.2

*(30+40*2.2)/7=16.85*

2.2.23.a. Sava Ș-D, Pricop B, Popa M, Lohan N-M, Matcovschi E, Cimpoeșu N, Comăneci R-I, Bujoreanu L-G. Highlighting Free-Recovery and Work-Generating Shape Memory Effects at 80r-PET Thermoformed Cups. Polymers. (Q1), Volume 16, Issue 24, Article Number 3598, DOI 10.3390/polym16243598, Published Dec 2024, Indexed 2024-12-31, Document Type: Article, Language English, Accession Number WOS: 001383989100001, eISSN 2073-4360, impact factor 2023: 4,7

*(30+40*4.7)/8=27,25*

2.2.24.a Feraru M, Mazurchevici S-N, Lohan N-M, Benchea M, Lupu FC, Nedelcu D. Tribological and Structural Properties of Copper-Coated 3D-Printed Parts from Biodegradable Polymers. Micromachines. (Q2), Volume 16, Issue 1, Article Number 100, DOI https://doi.org/10.3390/mi16010100, Published Ian 2025, Indexed 2025-02-01, Document Type: Article, Language English, Accession Number WOS: 001404260100001, eISSN 2072-666X, impact factor 2024: 3

*(30+40*3)/6=25*

2.2.25.a Matcovschi E, Pricop B, Lohan N-M, Popa M, Bădărău G, Cimpoeșu N, Ozkal B, Bujoreanu L-G. A Study of the Effects of Mechanical Alloying Fraction, Solution Treatment Temperature and Pre-Straining Degree on the Structure and Properties of a Powder Metallurgy-Produced FeMnSiCrNi Shape Memory Alloy. Crystals. (Q2), Volume 15, Issue 1, Article Number 105, DOI 10.3390/cryst15020105, Published feb 2025, Indexed 2025-03-01, Document Type: Article, Language English, Accession Number WOS: WOS:001429691500001, eISSN 2073-4352, impact factor 2024: 2,4

*(30+40*2,4)/8=15,75*

b. reviste incluse în BDI

2.2.2.b. Bernevig-Sava, M.-A., Darabont, D.C., Lohan, M., Mihalache, E., Bejinariu, C., Selection and verification of personal protective equipment in the context of current legal requirements, Quality - Access to Success, 20, 2019, p. 109-112

30/5 = 6

2.2.15. Lohan, N.M., Carcea, I. Pricop, B., Sârghi, M., Cimpoeșu, N., Popa, M., Bejinariu, C., Ciorobatca, A-E., Burduhos-Nergiș, D-P., tHE EFFECT OF CASTING PARAMETERS ON THE MICROSTRUCTURE AND CORROSION BEHAVIOR OF SAE 430B ALLOYS FOR TRANSPORTATION INDUSTRY, International Journal of Modern Manufacturing Technologies, Vol. 15, No. 2, Ppp. 111-116, DOI: 10.54684/ijmmt.2023.15.2.111

	30/7 = 4.28	
	2.3. **Conferinţe invitate/ lucrări de sinteză prezentate la manifestări organizate sub egide ştiinţifice recunoscute, lucrări comunicate** **Realizări:** 2.3.1. Victor Daniel Apostol, Bogdan Pricop, Mihai Popa, Leandru-Gheorghe Bujoreanu, Nicoleta Monica Lohan, I.PO.6., The thermo-mechanical behavior of NiTi-X shape memory alloys, BRAMAT 2022 12th INTERNATIONAL CONFERENCE ON MATERIALS SCIENCE & ENGINEERING *10/5 = 2* 2.3.2. M. POPA, V.D. APOSTOL, N.M. LOHAN, N. CIMPOESU, L.GH. BUJOREANU , Investigation of some thermonechanical processing effects on the structure and properties of a TiNiCu shape memory alloy, I.PO.7., BRAMAT 2022 12th INTERNATIONAL CONFERENCE ON MATERIALS SCIENCE & ENGINEERING *10/5 = 2* 2.3.3. N.-M. Lohan, I. Carcea, B. Pricop, M. Sarghi, N. Cimpoeșu, M. Popa, C. Bejinariu, A.-E. Ciorobatca, D.-P. Burduhos-Nergiș, The effect of casting parameters on the microstructure and corrosion behavior of SAE 430B alloy, ModTech International Conference Modern Technologies in Industrial Engineering, June 14th-17th, Continental Forum Hotel, Bucharest, Romania, Paper ID: B-13, P. 80 *10/9 = 1.11* 2.3.4. Cristian E., Munteanu C., Istrate B., Lohan N. M., Cimpoesu N., Microhardness evaluation and differential scanning calorimetry analysis on recycled, crushed and heat-treated glass (RCTG), Poster la THE 11th INTERNATIONAL CONFERENCE ON ADVANCED CONCEPTS IN MECHANICAL ENGINEERING, 2024, Iasi *10/5 = 2*	**7,11**
	2.4. Lucrari publicate în volumele conferintelor **Realizări:** a —în volume de conferință indexate ISI 2.4.1. Popa, M., Lohan, N.-M., Popa, F., Pricop, B., Bujoreanu, L.-G., Holding-temperature effects on thermally and stress induced martensitic transformations in an FeMnSiCr SMA, Materials Today: Proceedings, 19, pp. 956-962, 2019 *50/5=10* 2.4.2. Apostol, V., Lohan, N.M., Mihalache, E., Comăneci, R.I., Cimpoesu, N., Pricop, B., Popa, M., Bujoreanu, L.G., Accumulation of stress induced martensite in $Fe_{43.5}Mn_{34}Al_{15\pm x}Ni_{7.5\mp X}$ shape memory alloys, IOP Conference Series: Materials Science and Engineering, V. 572(1),012032, 2019 *50/8=6.25* 2.4.3. Bernevig-Sava, M.A., Stamate, C., Lohan, N.-M., Baciu, A.M., Postolache, I., Baciu, C., Baciu, E.-R., Considerations on the surface roughness of SLM processed metal parts and the effects of subsequent sandblasting, IOP Conference Series: Materials Science and Engineering, V. 572(1),012071, 2019 *50/7=7.14* 2.4.4. 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, V. 572(1),012027, 2019 *50/5=10* 2.4.5. Ciubotariu-Ana, P., Lohan, N.-M., Micu, C.A., Baciu, C., Bejinariu, C., Investigations of thermal degradation and electrical properties of polyamide materials versus polybismaleimide materials for fire-fighters helmets, IOP Conference Series: Materials Science and Engineering, V. 572(1),012031, 2019 *50/5=10* 2.4.6. Micu, C.A., Ciubotariu-Ana, P., Lohan, M.N., Mocanita, C.O., Dumitru, M., Bejinariu, C., Electrical and thermal characteristics of nitinol wires for linear heat detectors, IOP Conference Series: Materials Science and Engineering, V.572(1),012072, 2019 *50/6=8.33*	**125,76**

2.4.7. Costache, C., Apostol, V., Pricop, B., Lohan, N.-M., Comaneci, R.I., Bujoreanu, L.-G., Study of some heat treatment effects on thermodynamic and structural properties of Ti-Ta biomedical shape memory alloys, IOP Conference Series: Materials Science and Engineering, V.591(1),012011, 2019

50/6 = 8.33

2.4.8. Ciurca, L., Lohan, N.-M., Pricop, B., Bujoreanu, L.G., Study of tensile behaviour of Fe base shape memory alloys during mechanical cycling, IOP Conference Series: Materials Science and Engineering, V. 591(1),012009, 2019

50/4 = 12.5

2.4.9. N.M.Lohan, S.L. Toma, M. Popa, A.M.Cazac, B. Pricop, 9th edition of the International Multidisciplinary Symposium "UNIVERSITARIA SIMPRO 2021": Quality and Innovation in Education, Research and Industry – the Success Triangle for a Sustainable Economic, Social and Environmental Development",

50/5 = 10

b) lucrări comunicate

2.4.10. A.R Haraga, A.M. Cazac, N.M. Lohan, A. Corăbieru S.-L. Toma, Selection of Personal Protective Equipment - a complex issue of multi-criteria analysis, 10th International Conference on Manufacturing Science and Education – MSE 2021

30/5 = 6

2.4.11. N.M.Lohan, S.L. Toma, M. Popa, A.M.Cazac, B. Pricop, Influence of alloying elements on the thermal behavior of NiTi shape memory alloys, MATEC Web of Conferences; Les Ulis, Vol. 342, (2021). DOI:10.1051/matecconf/202134206007

30/5 = 6

2.4.12. Gabriela Caldarescu, Laura Florea, Nicoleta Monica Lohan and Mihai-Adrian Bernevig, Investigating the relationship between job satisfaction, communication style, employee behavior in conflict situations, 00018, DOI: https://doi.org/10.1051/matecconf/202235400018, 2022, MATEC Web Conf., Volume 354, 2022, 10th International Symposium on Occupational Health and Safety (SESAM 2021)

15/4 = 3.75

2.4.13. M. Popa, V. D. Apostol, **N. M. Lohan**, N. Cimpoesu, M. Cazacu, F. Borza, L.-Gh. Bujoreanu, *Investigation of some thermomechanical processing effects on the structure and properties of a TiNiCu shape memory alloy*, Materials Today: Proceedings, Volume 72, Part 2, 2023, Pages 600-606, doi.org/10.1016/j.matpr.2022.10.225, 12th International Conference on Materials Science & Engineering,

30/7 = 4.29

2.4.14. M. Popa, N. M, Lohan, B.Istrate, L.G. Bujoreanu., Heat Treatment Effects on the Structure and Properties of SLM Printed Co-Cr-W Alloy, International Conference on Innovative Research Iasi, 8th–9th of May 2025, 2024, Iasi

15/4 = 3,75

2.4.15. E. Matcovschi, D.-P. Burduhos-Nergiș, G. Bădărău, M.-A. Bernevig, N.-M. Lohan. Consequences of psychological and occupational burnout: A short review, lucrare comunicata- prezentare orala la 12th International Symposium on Occupational Health and Safety, SESAM 2025, Brasov, Romania - 23.10.2025

15/5 = 3

2.4.16 N.-M. Lohan, M. Pașcu, A. Corăbieru, E. Matcovschi, G. Bădărău, M. Popa, M.-A. Bernevig, Determination of noxious emissions resulting from the welding process. Acta Technica Napocensis-Series: lucrare comunicata- prezentare orala la 11th International Conference Manufacturing Science And Education -MSE 2025, June 4-6, 2025, Sibiu, Romania

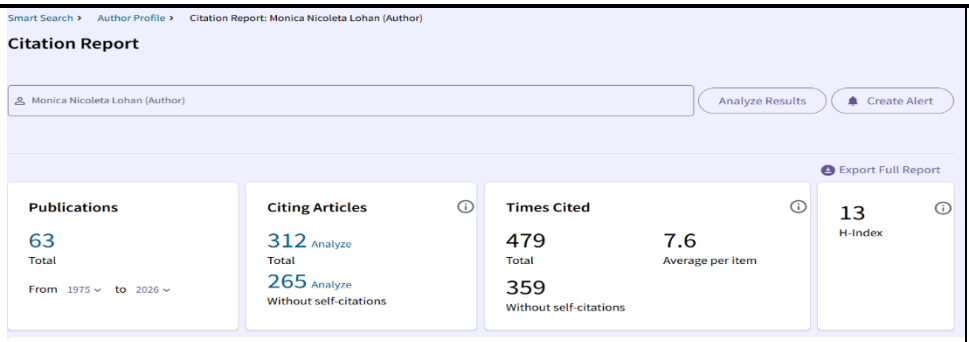
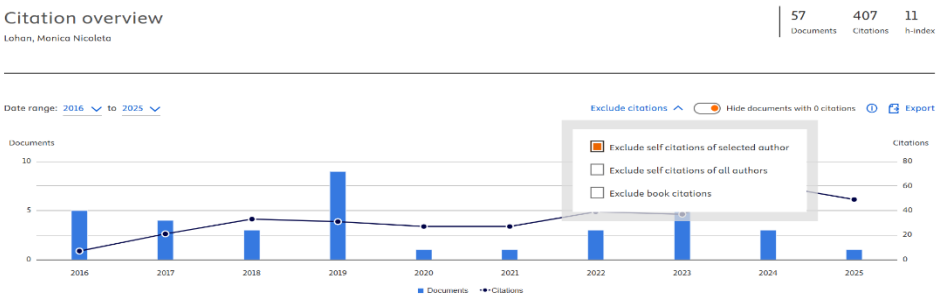
15/7=2.14

2.4.17 Matcovschi, E., Toma., S.L., Stângaciu, V. F., Corăbieru, A., Lohan, N. M., Baciu, C., & Bernevig, M. A. Considerations On The Compressive Behavior Of Footwear Personal Protective Equipment. Acta Technica Napocensis-Series: Applied Mathematics, Mechanics, And Engineering, (Q24), Volume 68, Issue 2-3, Published JUL-AUG 2025, Indexed 2026-01-10, Document Type: Article, Language English, Accession Number WOS: 001653657300024, eISSN 2393-2988, impact factor 2024: 0.2

50/7=7,14

	2.4.18. N.-M. Lohan, M. Pașcu, A. Corăbieru, E. Matcovschi, G. Bădărău, M. Popa, M.-A. Bernevig, Determination of noxious emissions resulting from the welding process. Acta Technica Napocensis-Series: Applied Mathematics, Mechanics, And Engineering, (Q24), Volume 68, Issue 2-3, , Published JUL-AUG 2025, Indexed 2026-01-10, Document Type: Article, Language English, Accession Number WOS: 001653657300023, eISSN 2393-2988, 50/7=7,14	
	2.5. Brevete acordate, produse omologate **Realizări:** 2.5.1. L.G.Bujoreanu, G.Gurău, I.Dan, C.Știrbu, R.I.Comăneci, N.M.Lohan, B.Pricop, A.L.Paraschiv, M.G.Suru, C.Gurău, Element multifuncțional cu deplasare axială auto-adaptivă, dintr-un aliaj Fe-Mn-Si-Cr cu memoria formei, Brevet nr. a 2013 0374 *60/10=6*	**6**
	2.6. Proiecte/ Contracte/ Granturi de cercetare-dezvoltare câștigate prin competiție, efectuate prin Universitate **Realizări:** 2.6.1. Membru proiect component 3 – Biodentrut (TUIASI – 65190RON / 2019) – 60PCCDI/2018/PR3 „Dezvoltarea unor noi aliaje dentare cu ruteniu – BIODENTRUT”, PN-III-P1-1.2-PCCDI-2017-0239, 2018-2021 , 6 membri, Responsabil Partener TUIASI, proiect comp. 3 : S.l. Istrate Bogdan. Suma 2021: 73.196 lei *15 x 73.196/10000 / 6= 18,29* 2.6.2. Membru - Contract de finanţare pentru executie proiecte AG 196/SGU/NC/II din 13.09.2019. Denumirea proiectului: "Integrare cu succes la studii universitare la Facultatea de Ştiinţa şi Ingineria Materialelor din Universitatea Tehnică Gheorghe Asachi din Iași". Acronim proiect: Success_key. Autoritatea Contractantă: Ministerul Educaţiei Naționale, prin Unitatea de Management al Proiectelor cu Finanțare Externă, MEN-UMPFE. Finantare din Schema de granturi pentru universități, derulată în cadrul Proiectului privind Învăţământul Secundar - ROSE, proiect finanțat conform Acordului de Împrumut nr. 8481-RO semnat între Guvernul României şi Banca Internaţională pentru Reconstrucţie şi Dezvoltare și ratificat prin Legea nr. 234/2015. Contractor: Universitatea Tehnică “Gheorghe Asachi” din Iași / Facultatea de Ştiinţa şi Ingineria Materialelor. Suma: 700515 lei. Suma 2021: 206484 lei. Director de proiect: Bejinariu Costica. Total membri in echipa, 28. *15×206484/10000/28=11,06* 2.6.3. Membru - Proiectul ROSE SGCU-PV, AG nr. 118 / SGU/PV/II / 07.05.2019 (SESIM), valoarea pe anul 2021: 191037 lei, Numar membri: 22 *15*×191037*/10000/22=13,02* 2.6.4. Membru – Proiectul ROSE GCU PV, AG nr. 341/SGU/PV/III din 27.07.2020 (CESIM), - valoarea pe anul 2021: 183358 lei, Numar membri: 23 *15 x* 183358*/10000 / 23= 11,95* 2.6.5. Membru Proiect experimental demonstrativ, 2019: ,,Sistem compozit inteligent cu configurație auto-controlabilă constituit din aliaje cu memoria formei / materiale magnetice amorfe încorporate în matrici elastomerice,, PN-III-P2-2.1-PED2019-4138, etapa 2, Fază unică pe 2021, 5 membri activi, 103470 lei *15 x 103470/10000 / 5= 31.04* 2.6.6. Grant Intern – PUBLICAȚII, finanţare de bază – finanțarea cercetării științifice universitare, Proiect pentru susținerea capacității de publicare, nr.GI/P21/2021, cu titlul ”Nanocomposite biopolymer Arboblend V2 Nature AgNPs”, director proiect prof.dr.ing.ec. Dumitru Nedelcu. Valoare 45000, 6 membri *15 x 45000/10000 / 6= 11.25* 2.6.7. Membru - Contract de finanţare pentru executie proiecte AG 196/SGU/NC/II din 13.09.2019. Denumirea proiectului: "Integrare cu succes la studii universitare la Facultatea de Ştiinţa şi Ingineria Materialelor din Universitatea Tehnică Gheorghe Asachi din Iași". Acronim proiect: Success_key. Autoritatea Contractantă: Ministerul Educaţiei Naționale, prin Unitatea de Management al Proiectelor cu Finanțare Externă, MEN-UMPFE. Finantare din Schema de granturi pentru universități, derulată în cadrul Proiectului privind Învăţământul Secundar - ROSE, proiect finanțat conform Acordului de Împrumut nr. 8481-RO semnat între Guvernul României şi Banca Internaţională pentru Reconstrucţie şi Dezvoltare și ratificat prin Legea nr.	**368,46**

	234/2015. Contractor: Universitatea Tehnică “Gheorghe Asachi” din Iași / Facultatea de Ştiinţa şi Ingineria Materialelor. Suma totala: 700515 lei. Suma 2022: 130170 lei. Director de proiect: Bejinariu Costica. Total membri in echipa, 28. Punctaj/membru in echipa *15 × 130170 /10000/ 28 = 6,97* 2.6.8. Membru - Proiect ROSE SGCU PV, AG nr. 341/SGU/PV/III din 27.07.2020, Valoare totala: 551.824,50 RON, valoarea pentru 2022 – 154.199,50 lei Număr membri: 23 *15 × 551824,50 / 10000 / 23=35,98* 2.6.9. Membru – Proiectul ROSE SGCU-PV, AG nr. 118 / 07.05.2019 Valoare totala: 646478.11 RON, valoarea pentru 2022 – 169,928.48 lei, Număr membri: 22 *15 × 169928,48 / 10000 / 22 = 11,58* 2.6.10. Membru - Proiect ROSE SGCU PV, AG nr. 341/SGU/PV/III din 27.07.2020, Valoare totala: 551.824,50 RON, valoarea pentru 2023 – 122.618,01lei Număr membri: 22 *15 × 122.618,01/ 10000 / 22=8,36* 2.6.11. Membru – Proiectul ROSE SGCU-PV, AG nr. 118 / 07.05.2019 Valoare totala: 646478.11 RON, valoarea pentru 2023 – 120057,78 lei Număr membri: 22 *15* × 120057,78 */ 10000 / 22 = 8,18* 2.6.12. Membru -Proiect ROSE SGCU PV, AG nr. 341/SGU/PV/III din 27.07.2020, Valoare totala: 551.824,5 RON, valoarea pentru 2024 – 137.522,22 lei, Număr membri: 22 *15 × 137.522,22 / 10000 / 22 = 9.37* 2.6.13. Membru - Proiect ROSE SGCU-PV, AG nr. 118 / 07.05.2019, Valoare totala: 646.478,11 RON, valoarea pentru 2024 – 132.899,55 lei, Număr membri: 22 *15* × 132.899,55 */ 10000 / 22 = 9.06* 2.6.14. Membru Proiecte de Cercetare Exploratorie, Cod proiect: PN-IV-P1-PCE-2023-0171, Contract nr. 18PCE / 08.01.2025. Valoare 2025: 509800 RON, Nr. membrii: 7 *15 x 509800 /10000/ 7 =109.25*	
	2.7. Proiecte/ Contracte/ Granturi de cercetare-dezvoltare încheiate prin Universitate cu institute de cercetare, companii, regii, societăţi comerciale 2.7.1. Director Contract de cercetare nr. 49104/2022: *Cercetari privind influenta conditiilor de turnare asupra proprietăților pieselor turnate din aliaje SAE 430 B (CuZn25Al5Fe3Mn4)*. Valoare etapa 2023: 60350,85 lei inclusiv TVA *(10* × 60350,85/)10000=60,35 2.7.2. Membru Proiect Agenti economici, *Studii și cercetări privind pregătirea suprafeței pieselor din oțel carbon prin fosfatare cristalină în vederea protecției anticorozive*, Perioada de derulare: 02.09.2024 - 28.02.2025, Valoare contract exclusiv TVA: 51.000 lei, Nr. membrii: 4 *10 × 51000 / 10000 / 4 = 12.75*	
	2.8. Creaţii de arhitectură, urbanism, restaurări, design şi arte plastice efectuate prin Universitate **Realizări:** 2.8.a. ..... 2.8.b.	**-**
	2.9. Citări în reviste cotate ISI sau indexate în baze de date internaţionale (BDI) **Realizări:** 2.9.1. 359 citări în reviste cotate ISI (conform ISI WEB of KNOWLEDGE)	**1939**

	 *5 x 359=1795* Reviste BDI: Reviste BDI: 407 de citari conform Scopus, din care 407 ISI, 407-359 = 48 citări  *3 x 48=144*	
	2.10. Finalizare teză de doctorat **Realizări:** 2.10.1.	**-**
	2.11. Elaborare standarde **Realizări:** 2.11.1. ..... 2.11.2.	**-**
Total punctaj Criteriu 2		**3080,61**
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:** 3.1.1. ..... 3.1.2.	**-**
	3.2. Membru în academii (Academia Română, Academia de Ştiinţe Tehnice, Academia de Ştiinţe Agricole şi Silvice, Academia Oamenilor de Ştiinţă etc.) **Realizări:** 3.2.1. ..... 3.2.2.	**-**
	3.3. Doctor Honoris Causa **Realizări:** 3.3.1. ..... 3.3.2.	**-**
	3.4. Membru în societăţi ştiinţifice şi profesionale (AGIR, asociațiile absolvenților etc.) **Realizări:** 3.4.1. ASOCIATIA TEHNICA DE TURNATORIE DIN ROMANIA (2025) 3.4.2. Asociatia Profesionala ModTech Iasi (2021, 2022, 2023, 2024) 3.4.3. Asociatia Specialistilor si Expertilor pentru Securitate si Sanatate in Munca Iasi 3.4.4. Asociaţia de sudură (2021,2022, 2023) 3.4.5. Asociatia Generala a inginerilor din Romania (2021,2022) *5 x 3 = 15*	**15**
	3.5. Membru în comisii de doctorat **Realizări:** 3.5.1. Membru comisie îndrumare doctorand Popa Mihai (2021) 3.5.2. Membru comisie îndrumare doctorand Costache Camelia (2021) 3.5.3. Membru comisie îndrumare doctorand Ciurcă Lenuța (2021) 3.5.4. Membru comisie îndrumare doctorand Apostol Victor (2021) 3.5.5. Membru comisie îndrumare doctorand Irina BIRNOVEANU (2021) 3.5.6. Membru comisie îndrumare doctorand Gabriel Kicsi, (2022) 3.5.7. Comisie raport de cercetare finalizare PPUA elaborat de student doctorand Petcu Marius, cu titlul: „Cercetări privind îmbunătățirea activității fotocatalitice a straturilor solar active nanostructurate” (2024)	**12**

	3.5.8. Comisie raport de cercetare finalizare PPUA elaborat de student doctorand Chimir Șerban, cu titlul: „Stadiul actual de cercetare-dezvoltare a tranziției ordine-dezordine a stării solide în aliajele cu memoria formei pe bază de Cu” (2024) 3.5.9. Comisie susținerea publică a raportului de cercetare științifică susținut de drd.ing. Sava Ștefan, cu titlul: „Stadiul actual al cercetării-dezvoltării efectului de memoaria formei la polimeri reciclați” (2024) 3.5.10. Comisie susținerea publică a raportului de cercetare științifică susținut de drd.ing. Cucu Corina-Elena Casat, Razleț, cu titlul: „Stadiul actual al cercetării asupra încălțămintei de protecție cu bombeu metalic” (2024) 3.5.11. Comisie susținerea publică a raportului de cercetare științifică NR 1 susținut de drd.ing. Chimir, cu titlul: „Metode de cercetare experimentală a efectului de memoria formei la polimerii reciclați” (2025) 3.5.12. Comisie susținerea publică a raportului de cercetare științifică NR 2 susținut de drd.ing. Chimir Șerban, cu titlul: *„Stadiul actual al cercetării-dezvoltării aliajelor cu memoria formei $Ti_{50}Ni_{50-x}Cu_x$”.* (2025) *12 x 1 = 12*	
	3.6. Membru în colective de redacţie ale revistelor **Realizări:** 3.6.1. ..... 3.6.2.	**-**
	3.7. Membru în comitete ştiinţifice naţionale/ internaţionale/ de program (la congrese, conferinţe etc.) **Realizări:** 3.7.1. ..... 3.7.2.	**-**
	3.8. Membru în echipe de expertizare / evaluare a cercetării ştiinţifice (proiecte CNCS, PNCDI II, FP7, Phare; centre de cercetare etc.) **Realizări:** 3.8.1. ..... 3.8.2.	**-**
	3.9. Membru în echipe de expertizare (evaluare) a procesului educaţional (ARACIS, EUA etc.) **Realizări:** 3.9.1. ..... 3.9.2.	**-**
	3.10. Membru în consilii naţionale de specialitate **Realizări:** 3.10.1. ..... 3.10.2.	**-**
	3.11. Organizator de manifestări ştiinţifice naţionale / internaţionale / sesiuni invitate **Realizări**	
	3.12. Referent ştiinţific / expert naţional şi internaţional (pentru reviste, congrese etc.) **Realizări:** 3.12.1. Referent ştiinţific 1 lucrare pentru Materials (2022) *10 x 1 = 10* 3.12.2. Referent ştiinţific 3 lucrari pentru Polymers (2022) *10 x 3 = 30* 3.12.3. Referent ştiinţific 1 lucrare pentru Journal of Marine Science and Engineering (2022) *10 x 1 = 10* 3.12.4. Referent ştiinţific 1 lucrare pentru Journal of Manufacturing and Materials Processing, (2022) *10 x 1 = 10* 3.12.5. Referent ştiinţific 1 lucrare pentru Journal of Composites Science (2022) *10 x 1 = 10* 3.12.6. Referent ştiinţific 5 lucrari pentru Materials (2023) *10 x 5 = 50* 3.12.7. Referent ştiinţific 1 lucrare pentru Nanomaterials (2023) *10 x 1 = 10* 3.12.8. Referent ştiinţific 1 lucrare pentru Buildings (2023) *10 x 1 = 10* 3.12.9. Referent ştiinţific 1 lucrare pentru Materials (2024) *10 x 1 = 10* 3.12.10. Referent ştiinţific 2 lucrari pentru Actuators (2024) *10 x 2 = 20* 3.12.11. Referent ştiinţific 1 lucrare pentru Micromachines (2024) *10 x 1 = 10* 3.12.12. Referent ştiinţific 2 lucrări pentru Metals (2024) *10 x 2 = 20* 3.12.13. Referent ştiinţific 2 lucrări pentru Materials (2025) *10 x 2 = 20* 3.12.14. Referent ştiinţific 1 lucrare pentru Crystals (2025) *10 x 1 = 10* 3.12.15. Referent ştiinţific 1 lucrare pentru Molecules(2025) *10 x 1 = 10* 3.12.16. Referent ştiinţific 1 lucrare pentru Magnetism (2025) *10 x 1 = 10* 3.12.17. Referent ştiinţific 1 lucrare pentru Polymers (2025) *10 x 1 = 10*	**290**

	3.12.18. Referent ştiinţific 1 lucrare pentru Journal of Composites Science (2025) *10 x 1 = 10* 3.12.19. Referent ştiinţific 1 lucrare pentru Materials & Design, Review identifier(s) SOURCE-WORK-ID: 90391284-1822-4393-be88-16b3dc190952, (2025) *10 x 1 = 10* 3.12.20. Referent ştiinţific 1 lucrare pentru Journal of Materials Engineering and Performance JMEP-25-09-44800, (2025) *10 x 1 = 10*	
	3.13. Membru în comisii de concurs pentru posturi didactice universitare **Realizări:** 3.13.1. Membru comisie de concurs Șef lucrări, poz. 11, Departamentul Ingineria Materialelor și Securitate Industrială (2021) 3.13.2. Membru comisie contestații Asistent, poz. 17, Departamentul Ingineria Materialelor și Securitate Industrială (2021) 3.13.3. Membru comisie de concurs Șef lucrări, poz. 12, Departamentul Ingineria Materialelor și Securitate Industrială (2022) 3.13.4. Membru comisie contestații Asistent, poz. 17, Departamentul Ingineria Materialelor și Securitate Industrială (2022) 3 x 4 = 12	**12**
	3.14. Membru în jurii, comisii, concursuri profesionale **Realizări:**	
	3.15. Cercetător invitat pentru activităţi de cercetare în universităţi/firme de prestigiu 3.15.1. ..... 3.15.2.	-
	3.16. Cadru didactic invitat în programe ERASMUS (prelegeri) 3.16.1. ..... 3.16.2.	-
	3.17.Cadru didactic care gestioneaza acorduri bilaterale ERASMUS 3.17.1. ..... 3.17.2.	-
	3.18. Premii **Realizări:** 3.18.1. Silver medal Euroinvent Book Salon obținută la Euroinvent European exibition of creativity and innovation pentru cartea Tehnici avansate de analiză termică. Îndrumar de laborator. Ed. Performantica, 18x26cm, 138 pag., 2020, ISBN 978-606-685-736-9 *1 x 10 = 10*	**10**
Total punctaj Criteriu 3		**339**
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. cercuri ştiinţifice studenţeşti 2021: *8 x 3 = 24* 2022: (*14 x 3) / 2 = 21* 2023: (*12 x 3) / 2 = 18* 2024*: (13 x 3) / 2 = 19,5* 2025: *(21 x 3) / 2 = 31,5; 1 x 3 = 3*	**117**
	4.2. Pregătire pentru concursuri profesionale (pentru fazele naţională şi internaţională) **Realizări:** 4.2.1. ..... 4.2.2.	**-**
	4.3. Conducere lucrări de absolvire, licenţă (diplomă), disertaţie, doctorat ((inclusiv cotutelă, membri în echipa de îndrumare) **Realizări:** 4.3.1. Lucrări de licență: 2021: *2 x 3 = 6* 2022: *3 x 3 = 9* 2023: *4 x 3 = 12* 2024: *4 x 3 = 12; (4 x 1)/2 = 2* 2025: *(1 x 3)/2 = 1,5* 4.3.2. Lucrări de disertație 2021: *(1 x 5)/2 = 2,5* 2022: *4 x 5 = 20* 2023: *4 x 5 = 20* 2024: *5 x 5 = 25* 2025: *3 x 5 = 15*	**125**

	4.4. Îndrumare ani de studii **Realizări:** 4.4.1. 2022: Îndrumare anul 1 și 2 Masterat Materiale avansate și tehnici de analiză experimentală *5 x 2 = 10* 4.4.2. 2023: Îndrumare anul 1 și 2 Masterat Materiale avansate și tehnici de analiză experimentală *5 x 2 = 10* 4.4.2. 2024: Îndrumare anul 1 și 2 Masterat Materiale avansate și tehnici de analiză experimentală *5 x 2 = 10*	**30**
	4.5. Organizarea de excursii de studii, prezentarea ofertei educaționale a universității în licee **Realizări:** **4.5.1**. Prezentarea ofertei educaționale la liceele Colegiul Tehnic "Mihai Bacescu" Falticeni si Colegiul Vasile Lovinescu Fălticeni (2025) *5 x 2 = 10*	**10**
	4.6. Activități cu studenți ERASMUS **Realizări:** 2022: 4.6.1.Davide Ciancetta Unimore (University of Study of Modena and Reggio Emilia, 2023: 4.6.2. Berivan Sultan (Yıldız Technical University, Turcia) 4.6.3. Çağrı Çimen (Yıldız Technical University, Turcia) 4.6.4. Corentin Calcei (Universitat Politècnica de Catalunya, Spania) 4.6.5. Curtis Dauteuil (Université de Poitiers, Franta) 2024: 4.6.6. Matthias BAIZE (École Polytechnique de l'Université d'Orléans) 4.6.7. Mehrdad Taher Gholi (Yıldız Technical University, Turcia) 2025: 4.6.8. Masseron Deneuville Edouard (University of Rouen Normandy)) 4.6.9. Iphigénie SOLIGNY (University of Rouen Normandy) *5 x 9 = 45*	**45**
Total punctaj Criteriu 4		**327**
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:** 5.1.1. Masă rotundă, 13 martie 2024, ing Rarinca Eugen (Continental Iași), tema "Ciclul de viață al unui produs" 5.1.2. Masa rotundă: ”We pioneer motion”, Stronger together, prezentare Schaeffler (Vitesco) Romania, 28 februarie 2025, 5.1.3. Masa rotundă: „Integrated packaging solutions and services”, prezentare „TRI WALL” ROMÂNIA, 31 ianuarie 2025, *3 x 1 = 3*	**3**
	5.2. Activitate în comisii **Realizări:** 5.2.1. Secretar consiliu Departament (2021) 1 x 3 = 3 5.2.2. Secretar consiliu Departament *1 x 3 = 3* 5.2.3. Membru comisie finalizare studii masterat (sesiunea februarie, iunie, septembrie) (2022) *1 x 3 = 3* 5.2.4. Membru comisie finalizare studii Licență (sesiunea februarie, iulie, septembrie) (2022) *1 x 3 = 3* 5.2.5. Membru comisie Cercuri științifice studențești (2022) *1 x 3 = 3* 5.2.6. Secretar consiliu Departament (2023) *1 x 3 = 3* 5.2.7. Membru comisie finalizare studii masterat (sesiunea februarie, iunie, septembrie) (2023) *1 x 3 = 3* 5.2.8. Membru comisie finalizare studii Licență (sesiunea februarie, iulie, septembrie) (2023) *1 x 3 = 3* 5.2.9. Membru comisie Cercuri științifice studențești (2023) *1 x 3 = 3* 5.2.1. Membru Consiliul Facultății SIM (2024) *1 x 5 = 5* 5.2.2. Membru Consiliu Departament (2024) *1 x 3 = 3* 5.2.3. Membru comisie finalizare studii masterat (sesiunea februarie, iunie, septembrie) (2024) *1 x 3 = 3* 5.2.4. Membru comisie finalizare studii Licență (sesiunea februarie, iulie, septembrie) (2024) *1 x 3 = 3* 5.2.5. Membru comisie Cercuri științifice studențești (2024) *1 x 3 = 3* 5.2.6. Membru comisie de echivalare pentru studenții ERASMUS+ KA131/KA171 și SEE (2024) *1 x 5 = 5*	**86**

	5.2.7. Membru comisie de concurs pentru analiza dosarelor cadrelor didactice asociate din cadrul Departamentului de Ingineria Materialelor și Securitate industrială, an universitar 2024-2025 *1 x 5 = 5* 5.2.8. Membru Consiliul Facultății SIM (2025) *1 x 5 = 5* 5.2.9. Președinte comisia de evaluare a dosarelor depuse în vederea acordării gradaţiilor de merit, (2025) *1 x 5 = 5* 5.2.10. Membru comisie de evaluare a pentru competiția TechGo organizată de Facultatea de Știința și Ingineria Materialelor, (2025) *1 x 5 = 5* 5.2.11. Membru comisie de echivalare pentru studenții ERASMUS+ KA131/KA171 și SEE (2025) *1 x 5 = 5* 5.2.12. Membru Consiliu Departament (2025) *1 x 3 = 3* 5.2.13. Membru comisie finalizare studii masterat (sesiunea februarie, iunie, septembrie) (2025) *1 x 3 = 3* 5.2.14. Membru comisie finalizare studii licență (sesiunea februarie, iunie, septembrie) (2025) *1 x 3 = 3* 5.2.15. Membru comisie Cercuri științifice studențești (2025) *1 x 3 = 3*	
	5.3. Coordonare programe de studii de licență/ masterat/ postuniversitare de formare continuă **Realizări:** 5.3.1. Evaluare periodică 2025, program de studii de masterat Ingineria materialelor *1 x 20 = 20* 5.3.2. Coordonare program de studii masterat Materiale Avansate și Tehnici de Analiză Experimentală *1 x 5 = 5*	**25**
Total punctaj Criteriu 5		**114**
Total punctaj Criterii 1-5		**3992,15**

Data: 15.10.2026

	Funcție didactică/ Nume și prenume	**Semnătura**
Director Departament	**Conf.univ.dr.ing. Ioan Gabriel SANDU**	
Cadru didactic evaluat	**Conf.univ.dr.ing. Nicoleta-Monica LOHAN**	

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAŞI
FACULTATEA DE ŞTIINŢA ŞI INGINERIA MATERIALELOR
DEPARTAMENTUL DE INGINERIA MATERIALELOR ŞI SECURITATE INDUSTRIALĂ

FIŞA DE VERIFICARE

a îndeplinirii standardelor minimale naţionale de prezentare la concurs pentru postul de conferenţiar universitar

Candidat: LOHAN D.L. NICOLETA-MONICA / Data naşterii: 22.05.1980, Funcţia actuală: Conferențiar, Data numirii în funcţia actuală: 01.10.2024, Instituţia: UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAŞI

Data: 14.10.2026
Candidat Lohan Nicoleta Monica

Condiții minimale (Ai)				
Nr. Crt.	**Categoria**			
	Domeniul de activitate	**Condiții conferențiar**	**Punctaj obținut candidat**	**Criteriu de îndeplinire**
1.	**Activitatea didactică /profesională (A1)**	**Minim 30 puncte**	**50**	**Îndeplinit**
2	**Activitatea de cercetare (A2)**	**Minim 160 puncte**	**1537**	**Îndeplinit**
3.	**Recunoaşterea impactului activităţii (A3)**	**Minim 60 puncte**	**509**	**Îndeplinit**
Total		**250 puncte**	**2096**	**Îndeplinit**

Condiții minimale obligatorii pe subcategorii		***Necesar***	***Realizat***
A1	1.1. Cărți și capitole în cărți de specialitate în edituri recunoscute 1.1.1. Cărți/ capitole ca autor 1.1.1.2. Naționale: pentru conferențiar minim 1	***1***	***1***
	1.2. Suport didactic 1.2.1. Manuale didactice, monografii, inclusiv electronice: pentru conferențiar minim 1	***1***	***2***
A2	2.1. Articole în reviste cotate ISI Thomson Reuters-Web of Science Core Collection [FI – Factor de impact] și în volume indexate în specificul postului scos la concurs [2] *2.1.2. Minim 10 articole pentru Conferențiar din care minim 5 în reviste cotoate ISI din care în minim 3 cu FI de min. 1 și min. 2 ca autor principal cu FI min. 0,5 [3*]	***10***	***54*** 15 în zona roșie – Q1, 7 în zona galbenă – Q2, 2 articole cu FI>10, 12 articole cu FI>5, 9 articole 5<FI≥3, 10 articole cu 3<FI≥2, 6 articole prim autor (2 cu FI>4, 2 cu FI>2, 2 cu FI>0.5)
	2.4. Granturi/proiecte de cercetare câștigate prin competiție/ Contracte cu agenți economici minim 10.000 echivalent Euro, încasați **2.4.1. Director/responsabil partener: minim 1 pentru conferențiar**	***1***	***1***
A3	**3.1. Citări în reviste cotate ISI Thomson Reuters-Web of Science Core Collection [FI – Factor de impact] și în alte BDI** *Minim 15 citări pentru Conferențiar, în ISI Thomson Reuters-Web of Science Core Collection și SCOPUS*	***15***	***379***

Nr. crt	Dom. Activ.	Tipul activităților Categorii și restricții Subcategorii	Indicatori (kpi)
1	Activitatea didactică și profesională (A1)	**1.1. Cărți și capitole în cărți de specialitate în edituri recunoscute** **1.1.1. Cărți/ capitole ca autor** **1.1.1.1. Internaționale** **1.1.1.1.1.**. L. G. BUJOREANU, B. PRICOP, **N.-M. LOHAN**, M. G. SURU, B. ISTRATE, Capitol de carte: *Structural and Chemical Variations Induced by Thermomechanical Cycling in Shape Memory Actuators*, Marimuthu Muruganant et al. (Eds) Frontiers in Materials Processing, Applications, Research and Technology, 978-981-10-4818-0, 431209_1_En, (7), 2017 12/(2*5)=1,2 **1.1.1.1.2**. **N.-M. LOHAN**, L.-G. BUJOREANU, Development of experimental CuZnAl-based shape memory actuators, Research and Innovation in Advanced Engineering Materials, M. Naito, A. Buchacz, A. Baier, P. Topala, D. Nedelcu (Eds.) ModTech Publishing House, Iași, 2019, pp. 78-92, ISBN 978-606-93704-5-2 15/(2*2)=3,75	Nr.pagini/ (2 * nr.aut.)
		1.1.1.2. Naționale; din care [1] conferențiar minim 1 **1.1.1.2.1.** V.V. Moldoveanu, **N.M. Lohan** – *Ingineria caliății produselor metalurgice*., Editura Tehnopress, 17x24cm, 187 pg., 2010, ISBN 978-973-702-758-0 187/(5*2)=18,7	Nr.pagini/ (5 * nr.aut.)
		1.2. Suport didactic **1.2.1. Manuale didactice, monografii, inclusiv electronice: pentru conferențiar minim 1** **1.2.1.1.** C. Baciu, **M.-N. Lohan**, E. Matcovschi, D.-P. Burduhos-Nergiș, Mihai Popa, *Știința și ingineria materialelor*. *Noțiuni generale-partea I*, Editura Performantica, Iași, 2022, 18x26cm, 120 pag. ISBN 978-606-685-911-0 120/(7*5)=3.42	Nr.pagini/ (7 * nr.aut.)

Nr. crt	Dom. Activ.	Tipul activităților Categorii și restricții Subcategorii	Indicatori (kpi)
		1.2.2. Îndrumătoare de laborator. Aplicații **1.2.2.1.** C. BEJENARIU, I. MĂLUREANU, A. FLORESCU, V.V. MOLDOVEANU, D. GHEORGHIU, ȘT. L. TOMA, **M. LOHAN**, Tehnologia Materialelor – Lucrări practice, Editura Tehnopress, 17x24cm, 200 pg., 2008, ISBN 973-702-522-9 200/(10*7)=2.85 **1.2.2.2.** C. BEJINARIU, I RUSU, S L. TOMA, **M. N. LOHAN**, *Ingineria materialelor metalice. Aplicatii practice*, 17x24cm, Editura PIM, 203 pg., 2011, ISB 978-606-13-0190-4 203/(10*4)=5.07 **1.2.2.3.** I. RUSU, **N.-M. LOHAN**– *Termodinamica sistemelor de aliaje. Aplicații*, Editura PIM, 17x24cm, 124. Pag., 2014, ISBN 978-606-13-1910-7 124/(10*2)=6.2 **1.2.2.4. N.-M. LOHAN,** B. PRICOP, L. G. BUJOREANU, *Tehnici avansate de analiză termică. Îndrumar de laborator*. Ed. Performantica, 18x26cm, 138 pag., 2020, ISBN 978-606-685-736-9 138/(20*3)=2,3 **1.2.2.5.** D. A. GHEORGHIU, M.A. BERNEVIG, E. MATCOVSCHI, **M. N. LOHAN**, A. M. CAZAC, M. POPA, *Lucrări practice de sudură. Îndrumar pentru laborator*, Editura PIM, 2021, 17x24cm, 199 pag. ISBN 978-606-13-6103-8 199/(20*6)=1,65 **1.2.2.6.** C. BEJENARIU, I. MĂLUREANU, V.V. MOLDOVEANU, ȘT. L. TOMA, D. A. GHEORGHIU, **N.M. LOHAN**, A. CORĂBIERU, A.M. CAZAC, D.P. BURDUHOS NERGIȘ, *Tehnologia Materialelor. Știința și Ingineria materialelor – Lucrări practice*, 344 pag, 17x24cm, Ed. Tehnopress, 2022, ISBN 978-606-687-500-4 344/(20*9)=1,91 **1.2.2.7. N. M. Lohan**, M. Popa, D.-P. Burduhos-Nergiș, M. Baciu, E. Matcovschi, I. Rusu, Știința și Ingineria Materialelor. Aplicații practice., Ed. Performantica, Iași, 2024, ISBN 978-630-328-082-0 *235/(10* 6) = 3.91*	Nr.pagini/ (10 * nr.aut.)

Nr. crt	Dom. Activ.	Tipul activităților Categorii și restricții Subcategorii	Indicatori (kpi)
		2.1. Articole în reviste cotate ISI Thomson Reuters-Web of Science Core Collection [FI – Factor de impact] și în volume indexate în specificul postului scos la concurs [2] **2.1.2. Minim 10 articole pentru Conferențiar din care minim 5 în reviste cotoate ISI din care în minim 3 cu FI de min. 1 și min. 2 ca autor principal cu FI min. 0,5 [3]** **2.1.2.1.** L. G. Bujoreanu, **N. M. Lohan**, B. Pricop; N. Cimpoeşu, *Thermal memory degradation in a Cu-Zn-Al shape memory alloy during thermal cycling with free air cooling*, Journal of Materials Engineering and Performance (Q3), Volume 20, Issue 3, Page 468-475, DOI10.1007/s11665-010-9702-5, Published APR 2011, Indexed 2011-04-01, Document Type: Article, Language English, Accession Number WOS:000288458500021, ISSN 1059-9495, impact factor 2025: 2,3 (50*2)/4=25 **2.1.2.2.** B. Pricop, U. Söyler, **N. M. Lohan**, B.Özkal, D. Chicet, A. David, L.-G. Bujoreanu*, Mechanical alloying effects on the thermal behaviour of a Fe-Mn-Si-Cr-Ni shape memory alloy under powder form*, Optoelectronics and Advanced Materials - Rapid Commnication, Volume 5, Issue: 5-6, Page 555-561, Published May 2011, Indexed 2011-05-01, Document Type: Article, Language English, Accession Number WOS: 000292891400018, ISSN 1842-6573, impact factor 2025: 0.5 (50*0,4)/7=2,85 **2.1.2.3. N. M. Lohan**, B. Pricop, L.-G. Bujoreanu, N. Cimpoeşu *Heating rate effects on reverse martensitic transformation in a Cu-Zn-Al shape memory alloy*, International Journal of Materials Research – Volume 1026, Issue: 11, Page 1345-1351, DOI10.3139/146.110595, Published Nov 2011, Indexed 2011-11-01, Document Type: Article, Language English, Accession Number WOS: 000297955000005, ISSN 1862-5282, impact factor 2025: 1,2 (50*1,2)/4=15 **2.1.2.4.** I. Cimpoeşu, S. Stanciu, V. Goanţă, D. C. Achiţei, **N. M. Lohan**, B. Constantin, *Thermo-elastic response of a NiTi SMA at compression solicitation*, Optoelectronics and Advanced Materials – Rapid Communications, Volume 6, Issue: 5-6, Page 627-630, Published May-Jun 2012, Indexed 2012-08-22, Document Type: Article, Language English, Accession Number WOS: 000306577000024, ISSN 1842-6573, impact factor 2025: 0.5 (50*0,4)/6=3,33	50 * X nr. autori; pentru reviste X = factorul de impact al revistei; pentru acricole în volume X=0,1

Nr. crt	Dom. Activ.	Tipul activităților Categorii și restricții Subcategorii	Indicatori (kpi)
2	Activitatea de cerectare (A2)	**2.1.2.5. N. M. Lohan**, L. G. Bujoreanu, C. Baciu, *Influence of temperature variation rate on calorimetric response during heating and on martensite structure obtained after subsequent cooling of a Cu-Zn-Al shape memory alloy*, Micro & Nano Letters, Volume 7, Issue: 6, Page 540-543, DOI: 10.1049/mnl.2012.0049, Published Jun 2012, Indexed 2012-06-01, Document Type: Article, Language English, Accession Number WOS: 000306006400011, ISSN 1750-0443, impact factor 2025: 2,4 (50*2,4)/3=40 **2.1.2.6.** L.G. Bujoreanu, **N. M. Lohan**, B. Pricop, N. Cimpoesu¸ On role of atomic migration in amnesia occurrence during complex thermal cycling of Cu-Zn-Al shape memory alloy, Materials Science and Technology (Q3), Volume 28, Issue: 6, Page 658-667, DOI: 10.1179/1743284711Y.0000000099, Published Jun 2012, Indexed 2012-06-01, Document Type: Article, Language English, Accession Number WOS:000304824100004, ISSN 0267-0836, impact factor 2025: 2,2 (50*2,2)/4=27,5 **2.1.2.7.** B. Pricop, U. Soyler, **N. M. Lohan**, B. Ozkal, L.G. Bujoreanu, D. Chicet, C. Munteanu, *Thermal behavior of mechanically alloyed powders used for producing an Fe-Mn-Si-Cr-Ni shape memory alloy*, Journal of Materials Engineering and Performance (Q3), Volume 21, Issue: 11, Page 2407-2416, DOI: 10.1007/s11665-012-0168-5, Published Nov 2012, Indexed 2012-11-01, Document Type: Article, Language English, Accession Number WOS:000310085800024, ISSN 1059-9495, impact factor 2025: 2 (50*2)/7=14,28 **2.1.2.8.** G. Vitel, M.Suru, A. Parachiv, **N. M. Lohan**, B. Pricop, M. Baciu, L.G. Bujoreanu, *Structural effects of training cycles in shape memory actuators for temperature control*, Materials and Manufacturing Processes (Q2), Volume 28, Issue: 1, Page 79-84, DOI: 10.1080/10426914.2012.700157, Published 2012, Indexed 2012-01-01, Document Type: Article, Language English, Accession Number WOS:000313416700015, ISSN 1042-6914, impact factor 2025: 4.7 (50*4,7)/7=33,57 **2.1.2.9**. I. P. Spiridon, B. Pricop, M. G. Suru, A. L. Paraschiv, **N. M. Lohan**, L-G. Bujoreanu, *The influence of heat treatment atmosphere and maintaining period on the homogeneity degree of a Fe-Mn-Si-Cr-Ni shape memory alloy obtained through powder metallurgy*, Journal of Optoelectronics and Advanced Materials, Volume 15, Issue: 7-8, Page 781-784, Published JUL-AUG 2013, Indexed 2013-07-01, Document Type: Article, Language English, Accession Number WOS:000323397900023, ISSN 1454-4164, impact factor 2025: 0.5 (50*0,5)/6=4,16	50 * X nr. autori; pentru reviste X = factorul de impact al revistei; pentru acricole în volume X=0,1

Nr. crt	Dom. Activ.	Tipul activităților Categorii și restricții Subcategorii	Indicatori (kpi)
2	Activitatea de cerectare (A2)	**2.1.2.10**. A.-L. Paraschiv, F. Borza, N. Lupu, M.-G. Suru, **N. M. Lohan**, B. Pricop, I.-P. Spiridon, L.-G. Bujoreanu, *On some structural characteristics of Fe-base shape memory alloys*, Journal of Optoelectronics and Advanced Materials Volume 15, Issue: 7-8, Page 781-784, Published JUL-AUG 2013, Indexed 2013-07-01, Document Type: Article, Language English, Accession Number WOS: 000323397900032, ISSN 1454-4164, impact factor 2025: 0.5 (50*0,5)/8=3,12 **2.1.2.11**. D. Nedelcu, C. Ciuofu, **N. M. Lohan**, *Microindentation and differential scanning calorimetry of "liquid wood"*, Composites Part B: Engineering (Q1), Volume 55, Page 11-15, DOI 10.1016/j.compositesb.2013.05.024, Published Dec 2013, Indexed 2013-11-07, Document Type: Article, Language English, Accession Number WOS: 000325301900003, ISSN 1359-8368, impact factor 2025: 14,2 (50*14,2)/3=236,66 **2.1.2.12.** M.G. Suru, I. Dan, **N.M. Lohan**, A.L. Paraschiv, B. Pricop, I.P. Spiridon, C. Baciu, L.G. Bujoreanu, *Effects of hot working procedure on surface relief characteristic in an Fe-Mn-Si-Cr shape memory alloy*, Materialwissenschaft und Werkstofftechnik, Volume 45, Issue 1, Page 44-50, DOI10.1002/mawe.201400190, Published Jan 2014, Indexed 2014-01-01, Document Type: Article, Language English, Accession Number WOS: WOS:000331377200006, eISSN 1521-4052, impact factor 2025: 1.1 (50*1.1)/8=6.87 **2.1.2.13.** B. Pricop, B. Özkal, U. Söyler, J. VAN Humbeeck, **N. M. Lohan**, M. G. Suru, L.-G. Bujoreanu, *Influence of mechanically alloyed fraction and hot rolling temperature in the last pass on the structure of Fe-14Mn-6Si-9Cr-5Ni (mass. %) shape memory alloys processed by powder metallurgy*, Optoelectronics and Advanced Materials – Rapid Communications, Volume 8, Issue 3-4, Page 247-250, Published MAR-APR 2014, Indexed 2014-03-01, Document Type: Article, Language English, Accession Number WOS: 000335200600016, eISSN 2065-3824, impact factor 2025: 0.5 (50*0,5)/7=3,57 **2.1.2.14.** M.G. Suru, A.L. Paraschiv, **N.M. Lohan**, B. Pricop, B. Ozkal, L.-G. Bujoreanu *Loading mode and environment effects on surface profile characteristics of martensite plates in Cu-based SMAs*, Journal of Materials Engineering and Performance (Q3), Volume 23, Issue 7, Page 2669-2676, Special Issue SI, DOI: 10.1007/s11665-014-0951-6, Published Jul 2014, Indexed 2014-07-01, Document Type: Article, Language English, Accession Number WOS: 000339010700055, eISSN 1544-1024, impact factor 2025: 2 (50*2)/6=16,66	50 * X nr. autori; pentru reviste X = factorul de impact al revistei; pentru acricole în volume X=0,1

Nr. crt	Dom. Activ.	Tipul activităților Categorii și restricții Subcategorii	Indicatori (kpi)
2	Activitatea de cerectare (A2)	**2.1.2.15. N.-M. Lohan**, M.-G. Suru, B. Pricop, and L.-Gh. Bujoreanu, *Cooling rate effects on the structure and transformation behavior of Cu-Zn-Al shape memory alloys*, International Journal of Minerals, Metallurgy and Materials (Q1), Vol Volume 21, Issue 11, Page 1109-1114, DOI: 10.1007/s12613-014-1015-5, Published Nov 2014, Indexed 2014-11-01, Document Type: Article, Language English, Accession Number WOS: 000344744500008, eISSN 1869-103X, impact factor 2025: 7,2 (50*7,2)/4=90 **2.1.2.16.** M-G. Suru, **N.M. Lohan**, B. Pricop, I.P. Spiridon, E. Mihalache, R.I. Comaneci and L-G. Bujoreanu, *Structural effects of high-temperature plastic deformation process on martensite plate morphology in a Fe-Mn-Si-Cr SMA*, Int. J. Materials and Product Technology, Volume 50, Issue 3-4, Page 367-375, DOI: 10.1504/IJMPT.2015.068534, Published 2015, Indexed 2015-01-01, Document Type: Article, Language English, Accession Number WOS: 000352845500006, eISSN 1741-5209, impact factor 2025: 0.3 (50*0,3)/7=2,14 **2.1.2.17**. L. G. Bujoreanu, R. I. Comăneci, G. Gurău, **N. M. Lohan**, M. G. Suru, B. Pricop, V. Goanță, V. Mușat, B. Istrate, E. Mihalache, *Thermomechanical training effects of multifunctional modules processed by high-speed high pressure torsion*, Indian Journal of Engineering & Materials Sciences, Volume 22, Issue 4, Page 367-375, Published Aug 2015, Indexed 2015-08-01, Document Type: Article, Language English, Accession Number WOS: 000363078700001, eISSN 0975-1017, impact factor 2025: 0.6 (50*0,6)/10=3 **2.1.2.18**. E. Mihalache, F. Borza, N. Lupu, **N. M. Lohan**, B. Pricop, M.-G. Suru, L.-G. Bujoreanu, *Thermomechanical processing effects on the martensitic transformation in Fe-based SMAs*, Journal of Optoelectronics and Advanced Materials, Volume 17, Issue 9-10, Page 1344-1347, Published SEP-OCT 2015, Indexed 2015-09-01, Document Type: Article, Language English, Accession Number WOS: 000364600400019, eISSN 1841-7132, impact factor 2025: 0.5 (50*0,5)/7=3,57 **2.1.2.19.** L.-G. Bujoreanu, **N. M. Lohan**, M.-G. Suru, A. Plesca, *Thermal analysis of eutectic alloy at HBC fuses*, Journal of Optoelectronics and Advanced Materials Volume 17, Issue 9-10, Page 1500-1506, Published SEP-OCT 2015, Indexed 2015-09-01, Document Type: Article, Language English, Accession Number WOS: 000364600400043, eISSN 1841-7132, impact factor 2025: 0.5 (50*0,5)/4=6,25	50 * X nr. autori; pentru reviste X = factorul de impact al revistei; pentru acricole în volume X=0,1

Nr. crt	Dom. Activ.	Tipul activităților Categorii și restricții Subcategorii	Indicatori (kpi)
2	Activitatea de cerectare (A2)	**2.1.2.20**. **N. M. Lohan**, E. Mihalache, B. Pricop, M.G. Suru, L.G. Bujoreanu, *A study of R-phase transition and temperature memory effect in a commercial Nitinol wire*, Journal of Optoelectronics and Advanced Materials, Volume 17, Issue 9-10, Page 1431-1436, Published SEP-OCT 2015, Indexed 2015-09-01, Document Type: Article, Language English, Accession Number WOS: 000364600400032, eISSN 1841-7132, impact factor 2025: 0.5 (50*0,5)/5=5 **2.1.2.21**. B. Pricop, B. Özkal, U. Söyler, J. Van Humbeeck, **N. M. Lohan**, M.-G. Suru,I.-P. Spiridon, and L.-G. Bujoreanu, *Structural changes caused by high-temperature holding of powder shape memory alloy 66%Fe–14%Mn–6%Si–9%Cr–5%Ni*, Metal Science and Heat Treatment, Volume 57, Issue 9-10, Page 553-558, DOI 10.1007/s11041-016-9921-y, Published Jan 2016, Indexed 2016-01-01, Document Type: Article, Language English, Accession Number WOS: 000370790400007, eISSN 1573-8973, impact factor 2022: 0.5 (50*0,5)/8=3,12 **2.1.2.22**. I.-P. Spiridon, **N.-M. Lohan**, M.-G. Suru, E. Mihalache, L.-G. Bujoreanu, B. Pricop, *A study of free recovery in A Fe – Mn – Si – Cr shape memory alloy*, Metal Science and Heat Treatment, Volume 57, Issue 9-10, Page 548-552, DOI 10.1007/s11041-016-9920-z, Published Jan 2016, Indexed 2016-01-01, Document Type: Article, Language English, Accession Number WOS: 000370790400006, eISSN 1573-8973, impact factor 2022: 0.6 (50*0,5)/6=4,16 **2.1.2.23**. M.-G. Suru, **N.-M. Lohan**, B. Pricop, E. Mihalache, M. Mocanu, L.-G. Bujoreanu, *Precipitation Effects on the Martensitic Transformation in a Cu-Al-Ni Shape Memory Alloy*, Journal of Materials Engineering and Performance (Q3), Volume 25, Issue 4, Page 1562-1569, DOI 10.1007/s11665-016-1981-z, Published Apr 2016, Indexed 2016-04-01, Document Type: Article, Language English, Accession Number WOS: 000373850700033, eISSN 1544-1024, impact factor 2025: 2 (50*2)/6=16,66	50 * X nr. autori; pentru reviste X = factorul de impact al revistei; pentru acricole în volume X=0,1

Nr. crt	Dom. Activ.	Tipul activităților Categorii și restricții Subcategorii	Indicatori (kpi)
2	Activitatea de cerectare (A2)	**2.1.2.24**. G. Vitel, B. Pricop, M.G. Suru, **N.M. Lohan**, L.G. Bujoreanu; *Study of Temperature Memory Effect During the Thermal Cycling in Hydraulic Systems*, Journal of Testing And Evaluation (Q3), Volume 44, Issue 4, Page 1525-1534, DOI 10.1520/JTE20140138, Published Jul 2016, Indexed 2016-09-28, Document Type: Article, Language English, Accession Number WOS: 000382229500005, eISSN 1945-7553, impact factor 2025: 1.3 (50*1,3)/5=13 **2.1.2.25**. D. Nedelcu, **N.M. Lohan**, I. Volf, R.I. Comăneci, *Thermal behaviour and stability of the Arboform (R) LV3 nature liquid wood*, Composites Part. B (Q1), Volume 103, Page 84-89, DOI 10.1016/j.compositesb.2016.08.023, Published OCT 15 2016, Indexed 2016-10-12, Document Type: Article, Language English, Accession Number WOS: 000383936200009, eISSN 1879-1069, impact factor 2025: 14 (50*14)/4=175 **2.1.2.26**. M.G. Suru, **N.M.Lohan**, E. Mihalache, B. Pricop, M. Mocanu, L.G. Bujoreanu, *AFM Evaluation of Pre-Straining Degree Effects on the Dimensions of Stress Induced Martensite Plates in Fe-Mn-Si Based SMAs*, Journal of Testing and Evaluation (Q3) , Volume 45, Issue 2, Page 419-427, DOI 10.1520/JTE20150435, Published Mar 2017, Indexed 2017-04-12, Document Type: Article, Language English, Accession Number WOS: 000398087400008, eISSN 1945-7553, impact factor 2025: 1.3 (50*1,3)/6=10,83 **2.1.2.27**. **N.M.Lohan**, P. Bogdan, B. Lucian, L. G. Bujoreanu, *Using DSC for the detection of diffusion-controlled phenomena in Cu-based shape memory alloys*, Journal of Thermal Analysis and Calorimetry (Q2), Volume 131, Issue 1, Page 215-244, DOI 10.1007/s10973-016-5926-4, Published Jan 2018, Indexed 2018-12-28, Document Type: Article, Language English, Accession Number WOS: 000419786700024, eISSN 1588-2926, impact factor 2025: 4,1 (50*4,1)/4=51,25 **2.1.2.28.** N. Cimpoesu,. E. Mihalache, **N.-M. Lohan**, M.-G. Suru, R. I. Comăneci, B. Özkal, L.-G. Bujoreanu, B. Pricop, *Structural-morphological fluctuations inducedby thermomechanical treatment in a Fe – Mn – Si shape memory alloy*, Metal Science and Heat Treatment,Volume 60, Issue 7-8, Page 471-477, DOI 10.1007/s11041-018-0303-5, Published Nov 2018, Indexed 2019-02-25, Document Type: Article, Language English, Accession Number WOS: 000456473300011, eISSN 1573-8973, impact factor 2025: 0.6 (50*0,6)/8=3,47 **2.1.2.29**. Bernevig-Sava, M.-A., Darabont, D.C., **Lohan, M.,** Mihalache, E., Bejinariu, C., *Selection and verification of personal protective equipment in the context of current legal requirements* , Quality - Access to Success, Volume 20, Page 109-112, Published Jan 2019, Indexed 2019-03-07, Document Type: Article, Language English, Accession Number WOS: 000459686300019, ISSN 1582-2559, impact factor 2025: 0.1 (50*0,1)/5=1	50 * X nr. autori; pentru reviste X = factorul de impact al revistei; pentru acricole în volume X=0,1

2	**Activitatea de cerectare (A2)**	**2.1.2.30**. **Lohan N.M.,** Pricop B., Popa M., Matcovschi E., Cimpoeșu N., Cimpoeșu R., Istrate B., Bujoreanu L.G., *Hot Rolling Effects on the Microstructure and Chemical Properties of NiTiTa Alloys*, Journal of Materials Engineering and Performance (Q3),Volume 28, Issue 12, Page 7273-7280, DOI 10.1007/s11665-019-04473-6, Published Dec 2019, Indexed 2020-01-28, Document Type: Article, Language English, Accession Number WOS: 000507536600010, eISSN 1544-1024, impact factor 2025: 2 (50*2)/8=12,5 **2.1.2.31**. D. Nedelcu, S.-N. Mazurchevici, R.-I. Popa, **N.-M. Lohan**, D. Maldonado-Cortés, C. Carausu, *Tribological and Dynamical Mechanical Behavior of Prototyped PLA-Based Polymers*, Q2), Volume 13, Issue 16, Article Number 3615, DOI 10.3390/ma13163615, Published Aug 2020, Indexed 2020-09-15, Document Type: Article, Language English, Accession Number WOS: 000564753600001, eISSN 1996-1944, impact factor 2025: 3.7 (50*3.7)/6=30.83 **2.1.2.32**. S-N. Mazurchevici, J.G. Motas, M. Diaconu, G. Lisa, **N.M. Lohan**, M. Glod, D. Nedelcu, *Nanocomposite Biopolymer Arboblend V2 Nature AgNPs*, Polymers (Q1), Volume 13, Issue 17, Article Number 2932, DOI 10.3390/polym13172932, Published Sep 2021, Indexed 2021-09-18, Document Type: Article, Language English, Accession Number WOS: 000694315100001, eISSN 2073-4360, impact factor 2025: 5,8 (50*5,8)/7=41,42 **2.1.2.33**. A. M. Roman, V. Geantă, R. Cimpoeșu, C. Munteanu, **N. M. Lohan**, G. Zegan, E. R. Cernei, I. Ioniță, N. Cimpoeșu, N. Ioanid, *In-Vitro Analysis of FeMn-Si Smart Biodegradable Alloy*, Materials (Q2), Volume 15, Issue 2, Article Number 568, DOI 10.3390/ma15020568, Published Jan 2022, Indexed 2022-02-06, Document Type: Article, Language English, Accession Number WOS: 000748150300001, eISSN 1996-1944, impact factor 2025: 3.7 (50*3.7)/10=18,5 **2.1.2.34**. Pricop, B.; Sava, Ș.D.; **Lohan, N.-M.;** Bujoreanu, L.-G. *DMA Investigation of the Factors Influencing the Glass Transition in 3D Printed Specimens of Shape Memory Recycled PET*. Polymers (Q1), Volume 14, Issue 11, Article Number 2248, DOI 10.3390/polym14112248, Published Jun 2022, Indexed 2022-06-20, Document Type: Article, Language English, Accession Number WOS: 000808764300001, eISSN 2073-4360, impact factor 2025: 5.8 (50*5,8)/4=72,50 **2.1.2.35**. Popa M, **Lohan N-M**, Pricop B, Cimpoeșu N, Porcescu M, Comăneci RI, Cazacu M, Borza F, Bujoreanu L-G. *Structural-Functional Changes in a $Ti_{50}Ni_{45}Cu_5$ Alloy Caused by Training Procedures Based on Free-Recovery and Work-Generating Shape Memory Effect*. Nanomaterials (Q1), Volume 12, Issue 12, Article Number 2088, DOI 10.3390/nano12122088, Published Jun 2022, Indexed 2022-07-03, Document Type: Article, Language English, Accession Number WOS: 000816628600001, eISSN 2079-4991, impact factor 2025: 4,8 (50*4,8)/9=26,66	50 * X nr. autori; pentru reviste X = factorul de impact al revistei; pentru acricole în volume X=0,1

2	**Activitatea de cerectare (A2)**	**2.1.2.36**. A.-M. Roman, I. Voiculescu, R. Cimpoeșu, B. Istrate, R. Chelariu, N. Cimpoeșu, G. Zegan, C. Panaghie, **N. M. Lohan**, M. Axinte, A. M. Murariu, *Microstructure, Shape Memory Effect, Chemical Composition and Corrosion Resistance Performance of Biodegradable FeMnSi-Al Alloy*, Crystals (Q2), Volume 13, Issue 1, Article Number 109, DOI 10.3390/cryst13010109, Published Jan 2023, Indexed 2023-02-05, Document Type: Article, Language English, Accession Number WOS: 000917018500001, eISSN 2073-4352, impact factor 2025: 2.9 (50*2,9)/11=13,18 **2.1.2.37**. Popa, M.; Popa, F.; Pricop, B.; Cimpoeșu, **N.M. Lohan**, N.-M.; Kicsi, G.; Istrate, B.; Bujoreanu, L.-G. *Heat Treatment and Dynamic Mechanical Analysis Strain Sweep Effects on the Phase Structure and Morphology of an Fe-28Mn-6Si-5Cr Shape Memory Alloy*. Nanomaterials (Q1), Volume 16, Issue 8, Article Number 3092, DOI 10.3390/ma16083092, Published Apr 2023, Indexed 2023-05-11, Document Type: Article, Language English, Accession Number WOS: 000977008300001, eISSN 2079-4991, impact factor 2025: 4,8 (50*4,8)/8=30 **2.1.2.38**. Panaghie, C.; Zegan, G.; Sodor, A.; Cimpoeșu, **N.M; Lohan**, N.-M.; Istrate, B.; Roman, A.-M.; Ioanid, N. *Analysis of Degradation Products of Biodegradable ZnMgY Alloy*. Materials (Q2), Volume 13, Issue 7, Article Number 1250, DOI 10.3390/nano13071250, Published Apr 2023, Indexed 2023-04-28, Document Type: Article, Language English, Accession Number WOS: 000977008300001, eISSN 1996-1944, impact factor 2022: 3.7 (50*3.7)/8 =23,12 **2.1.2.39**. Sava, Ș.-D.; **Lohan, N.-M.;** Pricop, B.; Popa, M.; Cimpoeșu, N.; Comăneci, R.-I.; Bujoreanu, L.-G. *On the Thermomechanical Behavior of 3D-Printed Specimens of Shape Memory R-PETG*. Polymers (Q1), Volume 15, Issue 10, Article Number 2378, DOI 10.3390/polym15102378, Published MAY 19 2023, Indexed 2023-07-14, Document Type: Article, Language English, Accession Number WOS: 000998066100001, eISSN 2073-4360, impact factor 2025: 5,8 (50*5,8)/7=41,42 **2.1.2.40**. Roman, AM., Cimpoesu, R., Pricop, B., **Lohan, NM**., Cazacu, MM., Bujoreanu, LG., Panaghie, C., Zegan, G., Cimpoesu, N., Murariu, AM., *Influence of Dynamic Strain Sweep on the Degradation Behavior of FeMnSi-Ag Shape Memory Alloys*, JOURNAL OF FUNCTIONAL BIOMATERIALS (Q2), Volume 14, Issue 7, Article Number 377, DOI 10.3390/jfb14070377, Published Jul 2023, Indexed 2023-08-12, Document Type: Article, Language English, Accession Number WOS: 001038546200001, eISSN 2079-4983, impact factor 2025: 5,9 (50*5,9)/10=29,5 **2.1.2.41**. B. Pricop, U. Soyler, B. Ozkal, **N. M. Lohan**, A. L. Paraschiv, M.G.Suru, L.G. Bujoreanu, *Influence of mechanical alloying on the behavior on the behavior of Fe-Mn-Si-Cr-Ni shape memory alloys made by powder metallurgy*, Edited by Prokoshkin, S; Resnina, N, Journal MATERIALS SCIENCE FORUM, Publisher name TRANS TECH PUBLICATIONS LTD, Volume 738-739, Page237-+, DOI 0.4028/www.scientific.net/MSF.738-739.237, Book Series: Materials Science Forum, Published 2013, Indexed 2013-01-01, Document Type: Proceedings Paper, WOS:000316089000041, ISSN 0255-5476, Journal Impact Factor 2025: 0.5 (50*0,5)/7=3,57	50 * X nr. autori; pentru reviste X = factorul de impact al revistei; pentru acricole în volume X=0,1

2	**Activitatea de cerectare (A2)**	**2.1.2.42**. Sava, SD., Pricop, B., Comaneci, RI., Cimpoesu, N., Popa, M., **Lohan, NM.,** Bujoreanu, LG., *Variations in the Thermomechanical and Structural Properties during the Cooling of Shape-Memory R-PETG*, POLYMERS, (Q1) Vol. 16, Issue 14, 2024, 10.3390/polym16141965, impact factor 2025: 5,8 (50*5,8)/6=48,33 **2.1.2.43**. Teodoriu, AP., Pricop, B., **Lohan, NM.,** Popa, M., Comaneci, RI., Doroftei, I., Bujoreanu, LG., *Designing a Robotic Gripper Based on the Actuating Capacity of NiTi-Based Shape Memory Wires*, ACTUATORS, Vol. 13, Issue 8, 2024, DOI 10.3390/act13080319, WOS:001305681500001, eISSN 2076-0825, impact factor 2025: 2,4 (50*2,4)/7=17,14 **2.1.2.44**. Sava, Ș.-D.; Pricop, B.; Popa, M.; Lohan, N.-M.; Matcovschi, E.; Cimpoeșu, N.; Comăneci, R.-I.; Bujoreanu, L.-G. *Highlighting Free-Recovery and Work-Generating Shape Memory Effects at 80r-PET Thermoformed Cups*. Polymers (Q1) 2024, 16, 3598. https://doi.org/10.3390/polym16243598, impact factor 2025: 5,8 (50*5,8)/8=36,25 **2.1.2.45**. Feraru, M.; Mazurchevici, S.-N.; **Lohan, N.-M**.; Benchea, M.; Lupu, F.C.; Nedelcu, D. *Tribological and Structural Properties of Copper-Coated 3D-Printed Parts from Biodegradable Polymers (Q1)*. Micromachines 2025, 16, 100. https://doi.org/10.3390/mi16010100, WOS:001404260100001, impact factor 2025: 3,5 (50*3,5)/6=29,16 **2.1.2.46**. Matcovschi, E.; Pricop, B.; **Lohan, N.-M.;** Popa, M.; Bădărău, G.; Cimpoeșu, N.; Ozkal, B.; Bujoreanu, L.-G. *A Study of the Effects of Mechanical Alloying Fraction, Solution Treatment Temperature and Pre-Straining Degree on the Structure and Properties of a Powder Metallurgy-Produced FeMnSiCrNi Shape Memory Alloy*. Crystals 2025, 15, 105. https://doi.org/10.3390/cryst15020105, impact factor 2025: 2,9 (50*2,9)/8=18,12 **2.1.2.47**. Tofan, G.C., Cojocariu, N., Tugui, C.A. Pricop B., **Lohan N.M**., Chereches E.I., Bejan D. Minea A.A., Peg based nanocolloids for heat transfer applications: a study on heat transfer enhancement in laminar flow. J Therm Anal Calorim (Q1) (2026). https://doi.org/10.1007/s10973-025-15203-7. impact factor 2025: 4,1 (50*4,1)/8=25,62 **2.1.2.48**. Sava, Ș.D.; Ermolai, V.; Pricop, B.; Comăneci, R.-I.; Munteanu, C.; **Lohan, N.-M.;** Axinte, M.; Bujoreanu, L.-G. Compositional Effects of the Structure and Properties of 3D Printed Stratified rPET/rPETG Shape Memory Composites. Polymers *(Q1)* 2026, 18, 370. https://doi.org/10.3390/polym18030370 , impact factor 2025: 5,8 (50*5,8)/8=36,25(	50 * X nr. autori; pentru reviste X = factorul de impact al revistei; pentru acricole în volume X=0,1

		2.1.2.49. Cojocaru, Cristian, Dragos Ioan Virvescu, Stefan Lucian Toma, Florinel Cosmin Bida, Gabriel Rotundu, Andrei Georgescu, Dana Gabriela Budala, Ioana Vata, Daniela-Lucia Chicet, **Nicoleta-Monica Lohan**, and et al. 2026. "Hydration-Dependent Thermal and Microstructural Characterization of a Collagen-Based 3D Matrix for Periodontal Regeneration" (Q1) Journal of Functional Biomaterials 17, no. 7: 318. https://doi.org/10.3390/jfb17070318 impact factor 2025: 5,9 (50*5,9)/10=29,5 **2.1.2.50**. Tofan, G., Lohan, N. M., Lisa, G., Țugui, C. A., Bejan, D., & Minea, A. A. (2026). Experimental insights into thermal conductivity, electrical conductivity and DSC analysis of surfactant improved TiO_2–water nanofluids. International Communications in Heat and Mass Transfer, (Q1) 179, 112368. https://doi.org/10.1016/j.icheatmasstransfer.2026.11236, impact factor 2025: 6,2 (50*6,2)/6=51,66 **2.1.2.51**. L. G. Bujoreanu, S. Stanciu, P. Bârsănescu, **N. M. Lohan**, *Study of the transitory formation of α1 bainite, as a precursor of α-phase in tempered SMAs*, Journal ADVANCED TOPICS IN OPTOELECTRONICS, MICROELECTRONICS, AND NANOTECHNOLOGIES IV, Volume7297, DOI10.1117/12.823620, Book Series: Proceedings of SPIE, Article Number 72970B, Published 2009,Indexed 2009-01-01, Document Type: Proceedings Paper Accession Number WOS:000291642900011, ISBN 978-0-8194-7559-6, ISSN 0277-786X 50*0,1)/4=1,25	

		2.1.2.52. S. Plavanescu, D. Nedelcu, **M. N. Lohan**, *Considerations on the micro-indentation and differential scanning calorimetry of arboform reinforced with aramid fibres*, MODERN TECHNOLOGIES IN INDUSTRIAL ENGINEERING, Volume 837, Page718-723, DOI10.4028/www.scientific.net/AMR.837.718, Book Series: Advanced Materials Research, Published 2014, Indexed 2014-07-02. Document Type: Proceedings Paper, Accession Number: WOS:000337000500124, ISBN: 978-3-03785-929-2, ISSN: 1022-6680, Language English, Accession Number WOS:000409221600018, ISSN 1757-8981 (50*0,1)/3=1.66 **2.1.2.53**. M.G. Suru, C. Moroşanu, R.I. Comăneci, E. Mihalache, B. Pricop, **N.M. Lohan**, C. Baciu, L.G. Bujoreanu, *Comparative evolution of surface relieves of stress-induced martensite plates in shape memory alloys with different crystalline structures*, Journal MATERIALS TODAY-PROCEEDINGS, Volume 2, Page 957-960, Supplement 3, DOI10.1016/j.matpr.2015.07.440, Published 2015, Indexed 2015-01-01, Document: Type Proceedings Paper, Language English, Accession Number WOS:000371032100111, ISSN 2214-7853(50*0,1)/8=0.62 **2.1.2.54.** B. Pricop, U. Söyler, B. Özkal, M.G. Suru, **N.M. Lohan**, R.I. Comăneci, N. Cimpoeşu, V.Muşat, G. Gurău, B. Istrate, E. Mihalache, L.G. Bujoreanu, *A study of martensite formation in powder metallurgy Fe-Mn-Si-Cr-Ni shape memory alloys*, Journal MATERIALS TODAY-PROCEEDINGS Volume 2, Page 789-792, Supplement 3, DOI10.1016/j.matpr.2015.07.400, Published 2015, Indexed 2015-01-01, Document: Type Proceedings Paper, Language English, Accession Number WOS:000371032100070, ISSN 2214-7853(50*0,1)/12=0,41 **2.1.2.55.** E. Mihalache, B. Pricop, M.-G.Suru, **N. M. Lohan**, R. I. Comăneci, B. Istrate, B. Özkal, L.-G. Bujoreanu, *Factors influencing martensite transitions in Fe-based shape memory alloys*, Edited by Schryvers, N; Van Humbeeck, J., Journal ESOMAT 2015 - 10TH EUROPEAN SYMPOSIUM ON MARTENSITIC TRANSFORMATIONS, Volume 33, DOI10.1051/matecconf/20153304002. Book Series: MATEC Web of Conferences, Article Number 04002, Published 2015, Indexed 2016-04-13, Document Type: Proceedings Paper, Language English, Accession Number WOS:000372402800039, ISBN 978-2-7598-1925-6, ISSN 2261-236X (50*0,1)/8=0,62 **2.1.2.56**. B. Pricop, E. Mihalache, **M.-N. Lohan**, B. Istrate, M. Mocanu, B. Ozkal, L.-G. Bujoreanu, *Powder metallurgy and mechanical alloying effects on the formation of thermally induced martensite in an FeMnSiCrNi SMA*, Edited by Schryvers, N; Van Humbeeck, J., Journal ESOMAT 2015 - 10TH EUROPEAN SYMPOSIUM ON MARTENSITIC TRANSFORMATIONS, Volume 33, DOI10.1051/matecconf/20153304004, Book Series: MATEC Web of Conferences, Article Number 04004, Published 2015, Indexed 2015-01-11, Document Type: Proceedings Paper, Language English, Accession Number WOS: 000372402800041, ISBN 978-2-7598-1925-6, ISSN 2261-236X (50*0,1)/7=0,71	

		2.1.2.57. Ciubotariu-Ana P., Micu C., **Lohan N. M**., Pricop B., Bujoreanu L.G., Bejinariu C., *Thermal Analysis of a New Glass Fiber-Reinforced Bismaleimide Composite Material Used for Firefighter Helmets*, Edited by Sandu, AV; Abdullah, MMAB; Vizureanu, P; Ghazali, CMR; Sandu I., Journal EUROINVENT ICIR 2018,Volume 374, DOI10.1088/1757-899X/374/1/012022, Book Series: IOP Conference Series-Materials Science and Engineering, Article Number 012022, Published 2018, Indexed 2018-10-25, Document Type: Proceedings Paper, Language English , Accession Number WOS:000446775900022, ISSN 1757-8981 (50*0,1)/6=0,83 **2.1.2.58.** L. Burlacu, N. Cimpoeșu, L. G. Bujoreanu and **N. M. Lohan**, *Exploiting heat treatment effects on SMAs macro and microscopic properties in developing fire protection devices*, Edited by Kifor, C; Naito, M; Carausu, C; Topala, P; Wrobel, A; Oanta, E; Schnakovszky, C; Paunoiu V, Spanu, S; Nedelcu, D., Journal: MODTECH INTERNATIONAL CONFERENCE - MODERN TECHNOLOGIES IN INDUSTRIAL ENGINEERING V, Volume 227, DOI10.1088/1757-899X/227/1/012018, Book Series IOP Conference Series-Materials Science and Engineering, Article Number 012018, Published 2017, Indexed 2017-09-21, Document Type: Proceedings Paper, (50*0,1)/7=0,71 **2.1.2.59.**. M. S. Bălțatu, P. Vizureanu, T. Bălan, **N.M. Lohan**, C. A. Țugui, *Preliminary Tests for Ti-Mo-Zr-Ta Alloys as Potential Biomaterials*, Edited by Sandu, AV; Abdullah, MMAB; Vizureanu, P; Ghazali, CMR; Sandu I., Journal EUROINVENT ICIR 2018,Volume 374, DOI 10.1088/1757-899X/374/1/012023, Book Series: IOP Conference Series-Materials Science and Engineering, Article Number 012023, Published 2018, Indexed 2018-10-25, Document Type: Proceedings Paper, Language English , Accession Number WOS: 000446775900023, ISSN 1757-8981 (50*0,1)/5=1 **2.1.2.60**. Popa. M., **Lohan. N.M**., Popa F., Pricop B., Bujoreanu L.G., *Holding-temperature effects on thermally and stress induced martensitic transformations in an FeMnSiCr SMA*, Journal MATERIALS TODAY-PROCEEDINGS, Volume 19, Page 956-962, Part 3, DOI10.1016/j.matpr.2019.08.007, Published 2019, Indexed 2019-11-28, Document Type: Proceedings Paper, Language English, Accession Number WOS:000496428200008, ISSN 2214-7853 (50*0,1)/5=1	50 * X nr. autori; X = 0,08

2	**Activitatea de cerectare (A2)**	**2.1.2.61.** Costache, C., Apostol, V., Pricop, B., **Lohan, N.-M.,** Comaneci, R.I., Bujoreanu, L.-G., *Study of some heat treatment effects on thermodynamic and structural properties of Ti-Ta biomedical shape memory alloys*, Edited by Raval, HK; Naito, M ; Park, HS; Cortes, DM ; Sasmazel, HT; Placzek, M; Milosevic, O; Topala, P; AlMaliky, SJB; Nedelcu, D., Journal MODERN TECHNOLOGIES IN INDUSTRIAL ENGINEERING VII (MODTECH2019), Volume 591, DOI 10.1088/1757-899X/591/1/012011, Book Series IOP Conference Series-Materials Science and Engineering, Article Number 012011, Published 2019, Indexed 2020-09-10, Document Type: Proceedings Paper, Language English, Accession Number WOS:000562929900011, ISSN 1757-8981 (50*0,1)/6=0,83 **2.1.2.62.** Ciurca, L., **Lohan, N.-M.,** Pricop, B., Bujoreanu, L.G., *Study of tensile behaviour of Fe base shape memory alloys during mechanical cycling*, Edited by Raval, HK; Naito, M ; Park, HS; Cortes, DM ; Sasmazel, HT; Placzek, M; Milosevic, O; Topala, P; AlMaliky, SJB; Nedelcu, D., Journal MODERN TECHNOLOGIES IN INDUSTRIAL ENGINEERING VII (MODTECH2019), Volume 591, DOI 10.1088/1757-899X/591/1/012009, Book Series IOP Conference Series-Materials Science and Engineering, Article Number 012009, Published 2019, Indexed 2020-09-10, Document Type: Proceedings Paper, Language English, Accession Number WOS: 000562929900009, ISSN 1757-8981 (50*0,1)/4=1.25 **2.1.2.63.** Popescu I., Romandas N., **Lohan N.M**., Albulescu, A.G., Mihalache E., Baciu C., *Criminal liability in case of infringement of the rules on occupational safety and health and the occurrence of accidents at work - subjects of the offenses*, Edited by Bondrea I (; Cofaru, NF; Inta, M, Journal 9TH INTERNATIONAL CONFERENCE ON MANUFACTURING SCIENCE AND EDUCATION (MSE 2019): TRENDS IN NEW INDUSTRIAL REVOLUTION, Volume 290, DOI 10.1051/matecconf/201929012002, Book Series MATEC Web of Conferences, Article Number 12002, Published 2019, Indexed 2020-09-29, Document Type Proceedings Paper, Language English, Accession Number WOS: 000569367700131, ISSN 2261-236X (50*0,1)/6=0,83 **2.1.2.64.** NM. Lohan, M. Pașcu, A. Corăbieru, E. Matcovschi, G. Bădărău, M. Popa, M.-A. Bernevig, Determination of noxious emissions resulting from the welding process, Manufacturing Science and Education, 11th International Conference. Sibiu, 4-6 June (2025), publicata in ACTA TECHNICA NAPOCENSIS, Series: Applied Mathematics, Mechanics, and Engineering, Vol. 68, Issue Special III, Augus pag. 1091-1096 (50*0,1)/7=0,71 **2.2. Articole în reviste și volumele uneori manifestări științifice indexate în alte baze de date internaționale [BDI] în specificul postului scos la concurs** **2.2.1**. Mihalache, E., Pricop, B., Comăneci, R. I., Suru, M. G., **Lohan, N. M.**, Mocanu, M., Özkal, B., Bujoreanu, L. G. *Structural Effects of Thermomechanical Processing on the Static and Dynamic Responses of Powder Metallurgy Fe-Mn-Si Based Shape Memory Alloys*. Periodical: Advances in Science and Technology, Pagess 153–158. DOI: https://doi.org/10.4028/www.scientific.net/AST.97.153, Online Oct 2016 (50*0,08)/8=0,5	50 * X nr. autori; X = 0,08

		2.2.2. Mihalache, E., Pricop, B, **Lohan, N.-M.**, Suru, M.-G., Ozkal, B., Bujoreanu, L.-G., *Internal friction evaluation in mechanically alloyed-powder metallurgy Fe-Mn-Si-Cr-Ni shape memory alloys*, International Journal of Modern Manufacturing Technologies, Volume 8, Issue 1, 2016, Pages 61-68, Document type: Article, ISSN 20673604, Publisher ModTech Publishing House, Original language English (50*0,08)/6=0,66 **2.2.3.** Popa M., Pricop B., Mihalache E., Bujoreanu L.-G. and **Lohan N. M**., *Hot Working Effects on the Damping Behavior of Shape Memory Alloys*, Materials Science Forum, Volume 907 MSF, Pages 180 – 187, 2017 10th International Conference on Materials Science and Engineering, BraMat 2017, Document type Conference Paper, Source type Book Series, ISSN 02555476, ISBN 978-303571075-5, DOI 10.4028/www.scientific.net/MSF.907.180 (50*0,08)/5=0.8 **2.2.4.** Burlacu L., Cimpoeșu N., **Lohan N. M.** and Bujoreanu L.-G., *NiTi Shape Memory Alloy Used for Multiple-Resetting Actuator for Fire Protection*, Materials Science Forum, Volume 907 MSF, Pages 8 – 13, 2017 10th International Conference on Materials Science and Engineering, BraMat 2017, Document type: Conference Paper, Source type Book Series, ISSN 02555476, ISBN 978-303571075-5, DOI 10.4028/www.scientific.net/MSF.907.8 (50*0,8)/4=1 **2.2.5.** Micu, C.A., Ciubotariu-Ana, P., **Lohan, M.N.**, Mocanita, C.O., Dumitru, M., Bejinariu, C., *Electrical and thermal characteristics of nitinol wires for linear heat detectors*, IOP Conference Series: Materials Science and EngineeringOpen AccessVolume 572, Issue 12 August 2019, Article number 0120722019, International Conference on Innovative Research, ICIR EUROINVENT 2019 Iasi, Document type: Conference Paper• Bronze Open Access, Source type Conference Proceedings, ISSN 17578981, DOI 10.1088/1757899X/572/1/012072, Publisher Institute of Physics Publishing, Original language English, Volume Editors Sandu A.V., Abdullah M.M.A.B., Vizureanu P., Ghazali C.M.R., Sandu I. (50*0,08)/6=0,66	

2	**Activitatea de cerectare (A2)**	**2.2. 6.** Ciubotariu-Ana, P., **Lohan, N.-M**., Micu, C.A., Baciu, C., Bejinariu, C., *Investigations of thermal degradation and electrical properties of polyamide materials versus polybismaleimide materials for fire-fighters helmets*, IOP Conference Series: Materials Science and Engineering, Open Access, Volume 572, Issue 12, August 2019, Article number 0120312019, International Conference on Innovative Research, ICIR EUROINVENT 2019 Iasi, Document type: Conference Paper• Gold Open Access, Source type Conference Proceedings, ISSN 17578981, DOI 10.1088/1757-899X/572/1/012031, Publisher Institute of Physics Publishing, Original language English, Volume Editors Sandu A.V., Abdullah M.M.A.B., Vizureanu P., Ghazali C.M.R., Sandu I. (50*0,08)/5=0.8 **2.2.7.** 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, Open Access, Volume 572, Issue 12 August 2019, Article number 0120272019 International Conference on Innovative Research, ICIR EUROINVENT 2019 Iasi, Document type: Conference Paper, Gold Open Access, Source type: Conference Proceedings, ISSN 17578981, DOI 10.1088/1757-899X/572/1/012027, Publisher Institute of Physics Publishing, Original language English, Volume Editors Sandu A.V., Abdullah M.M.A.B., Vizureanu P., Ghazali C.M.R., Sandu I. (50*0,08)/5=0.8 **2.2.8.** Bernevig-Sava, M.A., Stamate, C., **Lohan, N.-M.,** Baciu, A.M., Postolache, I., Baciu, C., Baciu, E.-R., *Considerations on the surface roughness of SLM processed metal parts and the effects of subsequent sandblasting*, IOP Conference Series: Materials Science and Engineering, Open Access, Volume 572, Issue 12 August 2019, Article number 0120712019, International Conference on Innovative Research, ICIR EUROINVENT 2019 Iasi, Document type: Conference Paper• Bronze Open Access, Source type Conference Proceedings, ISSN 17578981, DOI 10.1088/1757-899X/572/1/012071, Publisher Institute of Physics Publishing, Original language English, Volume Editors, Sandu A.V., Abdullah M.M.A.B., Vizureanu P., Ghazali C.M.R., Sandu I. (50*0,08)/7=0,57 **2.2.9.** Apostol, V., **Lohan, N.M.,** Mihalache, E., Comăneci, R.I., Cimpoesu, N., Pricop, B., Popa, M., Bujoreanu, L.G., *Accumulation of stress induced martensite in Fe43.5Mn34Al15±xNi7.5∓X shape memory alloys* IOP Conference Series: Materials Science and Engineering, Open Access, Volume 572, Issue 12, August 2019, Article number 0120322019, International Conference on Innovative Research, ICIR EUROINVENT 2019 Iasi, Document type: Conference Paper• Bronze Open Access, Source type Conference Proceedings, ISSN 17578981, DOI 10.1088/1757-899X/572/1/012032, Publisher Institute of Physics Publishing, Original language English, Volume Editors Sandu A.V., Abdullah M.M.A.B., Vizureanu P., Ghazali C.M.R., Sandu I. (50*0,08)/8=0.5 **2.2.10.** V. D. Apostol, B. Pricop, M. Popa, L.-G. Bujoreanu, **N. M. Lohan**, *The thermo-mechanical behavior of NiTi-X shape memory alloys*, Materials Today: Proceedings, Volume 72, Part 2, 2023, Pages 572-575, ISSN 2214-7853, doi.org/10.1016/j.matpr.2022.10.059, 12th International Conference on Materials Science & Engineering, (50*0,08)/5=0.8	50 * X nr. autori; X = 0,08

		2.2.11. M. Popa, V. D. Apostol, **N. M. Lohan**, N. Cimpoesu, M. Cazacu, F. Borza, L.-Gh. Bujoreanu, *Investigation of some thermomechanical processing effects on the structure and properties of a TiNiCu shape memory alloy*, Materials Today: Proceedings, Volume 72, Part 2, 2023, Pages 600-606, doi.org/10.1016/j.matpr.2022.10.225, 12th International Conference on Materials Science & Engineering, (50*0,08)/7=0,57 **2.3**. **Brevet de invenţie acordat neidexat ISI Thomson Reuters-Web of Science – Derwent innovation Index** **2.3.1.** L.G. Bujoreanu, G. Gurău, I. Dan, C. Știrbu, R.I. Comăneci, **N.M.Lohan**, B. Pricop, A.L.Paraschiv, M.G. Suru, C. Gurău, *Element cu deplasare axială reglabilă termic*, din aliaj cu memoria formei, tip Fe-Mn-Si-Cr, Brevet Nr. 129876, 30.08.2017 15/25/10=0,06	50 * X nr. autori; X = 0,08
		2.4. Granturi/proiecte de cercetare câștigate prin competiție/ Contracte cu agenți economici minim 10.000 echivalent Euro, încasați **2.4.1. Director/responsabil partener: minim 1 pentru conferențiar** **2.4.1.2.** Naționale **2.4.1.2.1.** Director de proiect **Lohan Nicoleta Monica** Contract de cercetare nr. 49104/2022: *Cercetari privind influenta conditiilor de turnare asupra proprietăților pieselor turnate din aliaje SAE 430 B (CuZn25Al5Fe3Mn4)*. Valoare contract 60350,85 lei inclusiv TVA 5*0.5=2,5	15/25/nr.autori 5 * anii de desfășurare

		2.4.2. Membru în echipă **2.4.2.2. Naționale** **2.4.2.2.1.** Membru (Leandru Gheorghe Bujoreanu – director de proiect), Aplicaţii cu revenire reţinută, ale aliajelor cu memoria formei pe bază de Fe-(Mn, Ni)-Si, cu proprietăţi controlate prin modificări nanostructurale la nivelul martensitei şi matricei austenitice, PN II - ID-PCE-2007-1, cod ID 301, Durata proiectului: 2007 –2010 2*4=8 **2.4.2.2.2.** Membru (Leandru Gheorghe Bujoreanu – director de proiect), Sistem modular de elemente multifunctionale cu deplasare auto-adaptiva, PN-II-PT-PCCA-2011-3.1-0174, Durata proiectului: 2012 –2016 2*5=10 **2.4.2.2.3.** Membru (Leandru Gheorghe Bujoreanu – director de proiect), Nouă metodă de îmbunătățire a proprietăților de memoria formei prin controlul migrației atomice, PN-II-ID-PCE-2012-4-0033, Durata proiectului: 2013 –2015 2*3=6 **2.4.2.2.4.** Membru (Leandru Gheorghe Bujoreanu – director de proiect), Un studiu al factorilor care favorizează termoelasticitatea in aliajele superelastice cu memoria formei pe baza de Fe, PN-III-P4-ID-PCE-2016-0468, Durata proiectului: 2017 –2019 2*2=4 **2.4.2.2.5.** Membru (coordonator TUIASI- Corneliu Munteanu) Proiect Complex: „Obtinerea și expertizarea unor noi materiale biocompatibile pentru aplicații medicale”, Contract Nr. 60PCCDI/ 2018, PN-III-P1-1.2-PCCDI-2017-0239, Proiect Component 3: „Dezvoltarea unor noi aliaje dentare cu ruteniu - BIODENTRUT”. Durata proiectului: 2018-2020 2*2=4 **2.4.2.2.6.** Membru (coordonator TUIASI Leandru Gheorghe Bujoreanu), Proiect experimental demonstrativ, 2019: ,,Sistem compozit inteligent cu configurație auto-controlabilă constituit din aliaje cu memoria formei / materiale magnetice amorfe încorporate în matrici elastomerice,, PN-III-P2-2.1-PED2019-4138, Durata proiectului: 2020-2022 2*2=4	2 * anii de desfășurare
2	**de ce re**	**2.4.2.2.7.** Membru (director TUIASI Mihai Axinte), Proiect ,,Șansa la educație la știința și ingineria materialelor - SESIM” Program ROSE AG nr 118/SGU/PV/II/2019, Durata proiectului:	2 * anii de desfășurare

		2021-2022 2*2=4 **2.4.2.2.8.** Membru (director TUIASI Daniela Lucia Chicet), Proiect ,, Creativitate și educație la știința și ingineria materialelor-CESIM" Program ROSE AG nr 341/SGU/PV/II/2020, Durata proiectului: 2021-2022 2*2=4 **2.4.2.2.9.** Membru (director TUIASI Costică Bejinariu), ,,Integrarea cu succes la studii universitare la Facultatea de Știința și Ingineria Materialelor din Universitatea Tehnică Gheorghe Asachi din Iași", Program ROSE AG 196/SGU/NC/II, 2019, Durata proiectului: 2021-2022 2*2=4 **2.4.2.2.10.** Membru (director proiect Mihai POPA) CONTRACTUL DE GRANT INTERN – ARUT- GNaC 2023_284 /2024, Valoare contractului de grant 49.771 lei, număr membri: 8. Durata proiectului: 2021-2022 2*1=2 **2.4.2.2.11.** Membru (Alin Marian CAZAC - director de proiect), Proiect Studii și cercetări privind pregătirea suprafeței pieselor din oțel carbon prin fosfatare cristalină în vederea protecției anticorozive, Perioada de derulare: 02.09.2024 - 28.02.2025, Valoare contract exclusiv TVA: 51.000 lei, Nr. membrii: 4 2*0,5=1 **2.4.2.2.12.** Membru (director proiect Alina MINEA) Proiecte de Cercetare Exploratorie, NOI FLUIDE DE TRANSFER TERMIC ÎN OPERAŢII DE SCHIMB DE CĂLDURĂ, Cod proiect: PN-IV-P1-PCE-2023-0171, Contract nr. 18PCE / 08.01.2025 2*2=4 **2.4.2.2.13.** Membru (director proiect Diana-Petronela BURDUHOS NERGIȘ Contract de finanțare: 32TE/2025, Programul 5.2 -Resurse umane, 5.2.1. Start in cercetare, Acoperiri inovative prin conversie chimică de fosfat pentru promovarea osteointegrării și biocompatibilității implanturilor de titan (Pho-Tim), Perioada: 08.01.2025-31.12.2026, Valoarea proiectului: 499666,00 lei 2*2=4	

3.	**Recunoașterea și impactul activității (A3)**	**3.1. Citări în reviste cotate ISI Thomson Reuters-Web of Science Core Collection [FI – Factor de impact] și în alte BDI** **Minim 50 citări pentru Conferențiar, în ISI Thomson Reuters-Web of Science Core Collection și SCOPUS** **3.1.1. ISI** **3.1.1.1. Citari lucrarea** L. G. Bujoreanu, **N. M. Lohan**, B. Pricop; N. Cimpoeşu, *Thermal memory degradation in a Cu-Zn-Al shape memory alloy during thermal cycling with free air cooling*, Journal of Materials Engineering and Performance (Q3), Volume 20, Issue 3, Page 468-475, DOI10.1007/s11665-010-9702-5, Published APR 2011, Indexed 2011-04-01, Document Type: Article, Language English, Accession Number WOS:000288458500021, ISSN 1059-9495 **3.1.1.1.1.** Kawarada, Y., Aimi, A., Santos, A., et al.\ 2023, *Abnormal grain growth of 68Cu-16Al-16Zn alloys for elastocaloric cooling via cyclical heat treatments*, Journal of Physics: Energy, 5, 024012, Impact factor 2022: 6.9 30/4 = 7,5 **3.1.1.1.2.** Nikzad Negahdari, Morteza Alizadeh, Shima Pashangeh, Erfan Salahinejad, *Structure and corrosion behavior of Cu-26Zn-5Al alloy processed by accumulative roll bonding and heat treatment*, Journal of Alloys and Compounds,Volume 924, 2022, 166574, Impact factor 2022: 6,2 30/4 = 7,5 **3.1.1.1.3.** Faci, Djihade Nesrine and Chouf, Saida and Benchiheub, Mostepha and Belkahla, Soliman, *Effects of aging on structural and microstructural properties in a ternary CuZnAl shape memory alloy*, MATERIAUX & TECHNIQUES, 110 (5), 2022, Impact factor 2022: 0,9 10/4 = 2,5 **3.1.1.1.4.** Alaneme, Kenneth K. and Okotete, Eloho A. and Oluwafemi, Ayoyemi and Inyang, Usen, *Assessment of the mechanical behaviour of thermally aged B and Fe modified CuZnAl shape memory alloys*, REVISTA DE METALURGIA, 55 (3), 2019, Impact factor 2022: 0.8 10/4 = 2,5 **3.1.1.1.5.** Grguric, TH, Manasijevic, D. Kozuh, S. Ivanic, I. Anzel, I. Kosec, B. Bizjak, M. Bajsic, EG. Balanovic, L. Gojic, M., *The effect of the processing parameters on the martensitic transformation of Cu-Al-Mn shape memory alloy*, JOURNAL OF ALLOYS AND COMPOUNDS, 765, pp. 664-676, 2018, Impact factor 2022: 6.2 30/4 = 7,5 **3.1.1.1.6.** Iacoviello, F., Di Cocco, V.; Natali, S. Brotzu, A., *Grain size and loading conditions influence on fatigue crack propagation in a Cu-Zn-Al shape memory alloy*, INTERNATIONAL JOURNAL OF FATIGUE, 115, pp. 27-34, 2018, Impact factor 2022: 6 30/4 = 7,5	5/nr. Autori FI<0.5; 10/nr. Autori 0.5<FI<1 15/nr. Autori 1<FI<2 20/nr. Autori FI>2 30/nr. Autori FI>5

3.	**Recunoașterea și impactul activității (A3)**	**3.1.1.1.7.** Alaneme, KK., Okotete, EA., Maledi, N., *Phase characterisation and mechanical behaviour of Fe-B modified Cu-Zn-Al shape memory alloys*, JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T Volume: 6 Issue: 2 Pages: 136-146, 2017, Impact factor 2022: 6.4 30/4 = 7,5 **3.1.1.1.8.** Acitei DC, Sandu AV., Abdullah MMA, Vizureanu P., Abdullah A., *On The Structure of Shape Memory Alloys*, ADVANCED MATERIALS ENGINEERING AND TECHNOLOGY II, Volume: 594-595, Pages: 140-+, 2014, Impact factor 2022: 0.2 5/4 = 1.25 **3.1.1.1.9.** Achitei DC, Abdullah MMA, Sandu AV., Vizureanu P., Abdullah A., *On The Fatigue of Shape Memory Alloys*, ADVANCED MATERIALS ENGINEERING AND TECHNOLOGY II, Volume: 594-595, Pages: 133-+, 2014, Impact factor 2022: 0.2 5/4 = 1.25 **3.1.1.1.10.** Costan, A.,Cimpoesu, RH., Ionita, I., Dima, A., Forna, N.,Nica, P., Agop, M., *Hydroxyapatite and PMMA Thin Films Synthesized by Pulsed Laser Deposition on Titanium Based Metallic Substrates*, MATERIALE PLASTICE, Volume 48, Issue 4, Page 299-302, 2011, Impact factor 2022: 0.8 10/4 = 2.5 **3.1.1.1.11.** Costan, A., Forna, N., Dima, A., Andronache, M., Roman, C., Manole, V., Stratulat, L., Agop, M., *Biodegradable hydroxyapatite layer obtained on Ti-6Al-4V alloy dental implant material*, JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, Volume 13, Issue 9-10, Page 1338-1341, 2011, Impact factor 2022: 0.5 10/4 = 2.5 **3.1.1.1.12.** Costan, A., Dima, A., Ionita A., Forna, NPerju MC., Agop, M., *Thermal properties of a Ti-6Al-4V alloy used as dental implant material,* JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, Volume 5, Issue 1-2, Page 92-95, 2011, Impact factor 2022: 0.5 10/4 = 2.5 **3.1.1.2. Citari lucrarea: N. M. Lohan**, B. Pricop, L.-G. Bujoreanu, N. Cimpoeşu *Heating rate effects on reverse martensitic transformation in a Cu-Zn-Al shape memory alloy*, International Journal of Materials Research – Volume 1026, Issue: 11, Page 1345-1351, DOI10.3139/146.110595, Published Nov 2011, Indexed 2011-11-01, Document Type: Article, Language English, Accession Number WOS: 000297955000005, ISSN 1862-5282	5/nr. Autori FI<0.5; 10/nr. Autori 0.5<FI<1 15/nr. Autori 1<FI<2 20/nr. Autori FI>2 30/nr. Autori FI>5

3.	**Recunoașterea și impactul activității (A3)**	**3.1.1.2.1.** Wang, YN; Jing, TF; Peng, HB; He, W; Yan, JZ; Wang, SL; Li, N; Wen, YH**,** *Re-examination of martensitic stabilization in Cu-based shape memory alloys Part I. Identification of occurrence stage and degree of martensitic stabilization in CuZnAl alloys*, JOURNAL OF ALLOYS AND COMPOUNDS, Volume 913, 2022, 165276, Impact factor 2022: 6.2 30/4 = 7,5 **3.1.1.2.2.** Li, M; Mao, XB; Pu, H; Chen, YL; Wu, Y; Zhang, LY, *Effects of Heating Rate on the Dynamic Tensile Mechanical Properties of Coal Sandstone during Thermal Treatment*, SHOCK AND VIBRATION, 4137805, 2017, Impact factor 2022: 1.6 15/4=3.75 **3.1.1.2.3.** Craciun, RC; Stanciu, S; Cimpoesu, R; Ursanu, AI; Manole, V; Paraschiv, P; Chicet, DL., *Metallic materials for mechanical damping capacity applications,* 7TH INTERNATIONAL CONFERENCE ON ADVANCED CONCEPTS IN MECHANICAL ENGINEERING, BDI 3/4=0,75 **3.1.1.2.4.** Gradinaru, I; Timofte, D; Vasincu, D; Telsoianu, D; Cimpoesu, R; Manole, V; Gheuca-Solovastru, L., *Preliminary Results on Pulsed Laser Deposition of PMMA on Nitinol Substrate,* MATERIALE PLASTICE, Volume 51, Issue 3, Page 230-234, Impact factor 2022: 0.8 10/4=2,5 **3.1.1.2.5.** Ursanu, A; Stanciu, S; Cimpoesu, R; Adoroaie, CG; Paraschiv, P; Bernevig, M., *NiTi Shape Memory Alloy Active Element Behavior in Long Time Solicitation Conditions*, ENGINEERING SOLUTIONS AND TECHNOLOGIES IN MANUFACTURING, Volume 657, Page 387-391, 2014, BDI 3/4=0,75 **3.1.1.2.6.** Acitei DC, Sandu AV., Abdullah MMA, Vizureanu P., Abdullah A., *On The Structure of Shape Memory Alloys*, ADVANCED MATERIALS ENGINEERING AND TECHNOLOGY II, Volume: 594-595, Pages: 140-+, 2014, Impact factor 2022: 0.2 5/4 = 1.25 **3.1.1.2.7.** Gojic, M; Kozuh, S; Anzel, I; Lojen, G; Ivanic, I; Kosec, B., *Microstructural and phase analysis of cualni shape-memory alloy after continuous casting*, MATERIALI IN TEHNOLOGIJE, Volume 47,Issue2 Page, 149-152, 2013, Impact factor 2022: 0.5 10/4=2,5 **3.1.1.2.8.** Stefan, M; Mihai, D., *Analysis of alloys behavior by molding simulation point of view*, METALURGIA INTERNATIONAL, Volume 17, Issue 3, Page 38-42, 2012, Impact factor 2022: 0.13 5/4 = 1.25	5/nr. Autori FI<0.5; 10/nr. Autori 0.5<FI<1 15/nr. Autori 1<FI<2 20/nr. Autori FI>2 30/nr. Autori FI>5

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		3.3. Recenzor pentru reviste și manifestări științifice **3.3.1.** 6 Lucrări recenzate pentru jurnalul **Materials,** Factor de impcat 2022: 3,4 6*5=30 **3.3.2.** 3 Lucrări recenzate pentru jurnalul **Polymers,** Factor de impcat 2022: 5 3*5=15 **3.3.3.** 1 Lucrare recenzată pentru jurnalul **Nanomaterials,** Factor de impcat 2022: 5,3 1*5=5 **3.3.4.** 1 Lucrare recenzată pentru jurnalul **Buildings,** Factor de impcat 2022: 3,8 1*5=5 **3.3.5.** 1 Lucrare recenzată pentru pentru jurnalul **Journal of Marine Science and Engineering,** Factor de impcat 2022: 2,9 1*5=5 **3.3.6.** 1 Lucrare recenzată pentru pentru jurnalul **Journal of Manufacturing and Materials Processing,** Factor de impcat 2022: **3,2** 1*5=5 **3.3.7.** 1 Lucrare recenzată pentru pentru jurnalul **Journal of Composites Science,** Factor de impcat 2022: **3,3** 1*5=5 **3.3.8.** 2 Lucrări recenzate pentru jurnalul **Engineering Science and Technology, an International Journal,** Factor de impcat 2022: 5,7 2*5=10 **3.3.9.** 2 Lucrări recenzate pentru jurnalul **Materials&Designe,** Factor de impcat 2022: 8,4 1*5=5	Recenzor - 5

		3.6. Membru în asociații profesionale de prestigiu naționale **3.6.4. Asociații profesionale naționale** 3.4.1.Asociaţia de sudură 3.4.2. Asociatia Profesionala ModTech Iasi 3.4.3. Asociatia Specialistilor si Expertilor pentru Securitate si Sanatate in Munca Iasi 2*3=6	2

Condiții minimale (Ai)			
Nr. Crt.	**Categoria**		
	Domeniul de activitate	**Condiții conferențiar**	**Punctaj obținut candidat**
1.	**Activitatea didactică /profesională (A1)**	**Minim 30 puncte**	**50**
2	**Activitatea de cercetare (A2)**	**Minim 160 puncte**	**1537**
3.	**Recunoaşterea impactului activităţii (A3)**	**Minim 60 puncte**	**509**
Total		**250 puncte**	**2098**

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