

LIST OF PUBLICATIONS

PhD Thesis – 2012 – The Gheorghe Asachi Technical University of Iasi.

Obtaining and characterization of new phosphated layers on iron support with anticorrosive and lubricant properties

A. Book and Courses (13)

1. O.C. CORBU, A.V. SANDU, **Materiale Compozite Cementoase Speciale. Teorie și aplicații practice pentru studenți**, Ed. Pim, (ISBN 978-606-13-8261-3), 2024, 186p.
2. Z.Z. ZHUMEKENOVA, V.V. SAVINKIN, A.V. SANDU, P. VIZUREANU, **Laser Cladding for Restoring and Increasing the Durability of Railway Wheels**, Material Research Forum, USA (ISBN 978-1-64490-290-5), 2024, 110 p.
3. T.Y. RATUSHNAYA, V.V. SAVINKIN, **A.V. SANDU**, P. VIZUREANU, **Technologies for Plasma Renovation of the Phase Structure of Substandard Turbine blades of CHP**, Material Research Forum, USA (ISBN 978-1-64490-264-6), 2023, 90 p.
4. V.V. SAVINKIN, O.V. IVANOVA, **A.V. SANDU**, S.N. KOLISNICHENKO, **Ensuring the Durability of Oil-Producing Pumps Through the Use of Laser Spraying Technology**, Material Research Forum, USA (ISBN 978-1-64490-235-6), 2023, 126 p.
5. D.P. BURDUHOS-NERGIS, C. BEJINARIU, **A.V. SANDU**, **Phosphate Coatings Suitable for Personal Protective Equipment**, Material Research Forum, USA (ISBN 978-1-64490-110-6), 2021, 179 p.
6. I. SANDU, M.A. CRETU, I.G. SANDU, V. VASILACHE, **A.V. SANDU**, G. MARUSIC, **Implicarea ceramicilor in potabilizarea apelor de suprafata si subterane**, Ed. Universitatii Alexandru Ioan Cuza Iasi (ISBN 978-606-714-451-2), 2018, 250p.
7. **A.V. SANDU**, **Managementul de Mediu în Ingineria Materialelor, I. Teorie și aplicații pentru studenți**, Ed. Pim, (ISBN 978-606-13-4328-7), 2018, 164 p.
8. **A.V. SANDU**, C. BEJINARIU, I.G. SANDU, M.M.A.B. ABDULLAH, **Modern Technologies of Thin Films Deposition. Chemical Phosphatation**, Material Research Forum, USA (ISBN 978-1-945291-90-6), 2018, 149 p.
9. **A.V. SANDU**, I. SANDU, **Ecologie si management de mediu. Curs**, Ed. PIM, Iasi, (ISBN 978-606-13-4582-3) 2018, 258p.
10. **A.V. SANDU**, N.M. NOOR, **Introducere în Ingineria Mediului (Introduction in Environmental Engineering)**, Ed. Pim, Iasi, 2015, 168p. (ISBN 978-606-13-2752-2)
11. I. SANDU, C.M. STIRBU, **A.V. SANDU**, C.I. STIRBU, **Aerosolii salini în îmbunătățirea performanțelor sportivilor**, (Salt aerosols in the enhancement of sportsmen performances), Ed. Univ.Al.I.Cuza Iasi, 2015, 238p. (ISBN 978-606-714-179-5)
12. I. SANDU, M. CANACHE, **A.V. SANDU**, V. VASILACHE, **Aerosolii si dezvoltarea copiilor** (Aerosols and Children’s Development), Ed. Univ.Al.I. Cuza Iasi, 2015, 200p. (ISBN 978-606-714-099-6)
13. **A.V. SANDU**, C. BEJINARIU, **Tehnologii moderne de fosfatare. Studii și aplicații**, Ed. Politehniuum 2013, 130p. (ISBN 978-973-621-404-2)

B. Chapter of Books (21)

1. M.S. BĂLȚATU, P. VIZUREANU, **A.V. SANDU**, A. PRUTEANU, F. CIOLACU, R. FIERĂSCU, M.C. SPĂTARU, M.B. KRAWCZYK, *Methods and Processing Techniques of Titanium Alloys*, in **Titanium Alloys – Research and Future Trends**, IntechOpen, 2025 (DOI: 10.5772/intechopen.1012294).
2. P. VIZUREANU, A. PRUTEANU, R.C. FIERASCU, M.S. BALTATU, P. PIETRUSIEWICZ, **A.V. SANDU**, M. NABIAŁEK, *Evolution and Prospects of Epoxy Materials: From Traditional to Advanced*, in **Epoxy - Materials, Applications and Advanced Technologies** (ed. P. Vizureanu, M.S. Baltatu), 2025, Intech Open, DOI: 10.5772/intechopen.1012225
3. M.S. BĂLȚATU, P. VIZUREANU, **A.V. SANDU**, D.C. ACHITEI, D.D. BURDUHOS NERGIS, M.C. PERJU, M. NABIAŁEK, *Biocomposites: Materials, Properties, and Applications*, In **Composite Materials - Science and Engineering**, Intech Open 2025, (DOI: 10.5772/intechopen.1010197)
4. M.S. BALTATU, P. VIZUREANU, **A.V. SANDU**, M. NABIAŁEK, Appraisal of Several Ti-Based Alloys Used for Medical Applications, in **Functionalized Materials Applications in Biomedicine** (ed: P. Vizureanu, S. Yamaguchi, M.S. Baltatu, G. Göller, A.V. Sandu, C. Zamora-Ledezma, I.V. Antoniac) CRC Press, Taylor & Francis Group, 2025, p. 19.
5. M.C. SPATARU, M.S. BALTATU, **A.V. SANDU**, P. Vizureanu, *General Trends on Biomaterials Applications: Advantages and Limitations*, in **Novel Biomaterials for Tissue Engineering, 2024**, Intech Open, DOI: 10.5772/intechopen.114838
6. P. VIZUREANU, M.S. BALTATU, A.V. SANDU, *Novel Titanium Alloys for Tissue Engineering*, in **Novel Biomaterials for Tissue Engineering**, Intech Open 2024, DOI: 10.5772/intechopen.112763
7. M.S. BALTATU, P. VIZUREANU, **A.V. SANDU**, D.C. ACHITEI, M.C. PERJU, D.D. BURDUHOS-NERGIS and M. BENCHEA, *Perspective Chapter: Titanium – A Versatile Metal in Modern Applications*, **Titanium-Based Alloys - Characteristics and Applications**, Intech Open 2024, DOI: 10.5772/intechopen.1005742
8. R. AHMAD, M.M.A.B. ABDULLAH, S.R. ABDILA, A.V. SANDU, *Applications of Geopolymer in Civil Engineering: Feasibility Study of Soft Soils Stabilization*, in **Mining and Metallurgical Wastes Based Alkali-Activated Materials** (editor: Zengqing Sun), Springer Nature Singapore, 2024, 251-263 https://doi.org/10.1007/978-981-97-6285-9_13
9. M.F.M. Tahir, M.M.A.B. Abdullah, A.V. Sandu, D.D. Burduhos Nergis, R.A. Razak, S.A. Shamsuddin, *Utilization of Copper Mine Tailings as Road Construction Materials Through Geopolymerization*, in **Mining and Metallurgical Wastes Based Alkali-Activated Materials** (editor: Zengqing Sun), Springer Nature, 2024, 265-283, https://doi.org/10.1007/978-981-97-6285-9_14
10. M.M.A.B. Abdullah, A.V. Sandu, S.Z.A. Rahim, M.S.I. Ibrahim, T. Imjai, *Repair and Protection Materials from Alkali Activation of Metallurgical Slags*, in **Mining and Metallurgical Wastes Based Alkali-Activated Materials** (editor: Zengqing Sun), Springer Nature, 2024, 285-307, https://doi.org/10.1007/978-981-97-6285-9_15
11. D.D. BURDUHOS-NERGIS, P. VIZUREANU, **A.V. SANDU**, R.A. RAZAK, R. AHMAD, *Bibliometric analysis of research trends in Geopolymers*, in **Geopolymers: Properties and Applications** (P. Vizureanu, M.M.A.B. Abdullah, R.A. Razak, D.D. Burduhos-Nergis, L. Yun-Ming, A.V. Sandu ed.) CRC Press, Taylor & Francis Group, 2023, p. 1-17.
12. **A.V. SANDU**, D.D. BURDUHOS-NERGIS, P. VIZUREANU, M.M.A.B. ABDULLAH, L. JAMALUDIN, *Geopolymers overview*, in **Geopolymers: Properties and Applications** (P. Vizureanu, M.M.A.B. Abdullah, R.A. Razak, D.D. Burduhos-Nergis, L. Yun-Ming, A.V. Sandu ed.) CRC Press, Taylor & Francis Group, 2023, p. 18-41.
13. R.A. RAZAK, A. ABDULLAH, M.M.A.B. ABDULLAH, P. VIZUREANU, E. ARIFI, **A.V. SANDU**, *Geopolymer Lightweight Agregate*, in **Geopolymers: Properties and Applications** (P. Vizureanu, M.M.A.B. Abdullah, R.A. Razak, D.D. Burduhos-Nergis, L. Yun-Ming, A.V. Sandu ed.) CRC Press, Taylor & Francis Group, 2023, p. 52-61.

14. R. AHMAD, M.M.A.B. ABDULLAH, W.M. WAN IBRAHIM, **A.V. SANDU**, *Lightweight Geopolymer-based ceramics*, in **Geopolymers: Properties and Applications** (P. Vizureanu, M.M.A.B. Abdullah, R.A. Razak, D.D. Burduhos-Nergis, L. Yun-Ming, A.V. Sandu ed.) CRC Press, Taylor & Francis Group, **2023**, p. 62-72.
15. M. BALAN, V. VIȘANU, N. ȚISLINSCAIA, L. IVANOV, T. BALAN, M. MELENCIUC, V. POPESCU, I. GÎDEI, **A.V. SANDU**, N. NETREBA, O. BOESTEAN, D. ȚURCANU, Chapter 4. Modelarea Matematică Și Optimizarea Proceselor de Deshidratare a Produselor Vegetal, in: Ameliorarea calității și siguranței alimentelor prin biotehnologie și inginerie alimentară. Chișinău: Tehnica-UTM, **2023**. ISBN 978-9975-45-988-4.
16. P. VIZUREANU, M.S. BALTATU, **A.V. SANDU**, D.C. ACHITEI, D.D. BURDUHOS-NERGIS, M.C. PERJU, *Assessment of Solar Energy Potential Limits within Solids on Heating-Melting Interval*, **Latest Research on Energy Recovery**, Intech Open **2022**, (DOI: 10.5772/intechopen.104847)
17. P. VIZUREANU, D.D. BURDUHOS NERGIS, **A.V. SANDU**, D.P. BURDUHOS NERGIS, M.S. BALTATU, *The Physical and Mechanical Characteristics of Geopolymers Using Mine Tailings as Precursors*, **Advances in Geopolymer-Zeolite Composites - Synthesis and Characterization**, **2021**, 21p. (DOI 10.5772/intechopen.97807)
18. P. VIZUREANU, M.S. BĂLȚATU, **A.V. SANDU**, D.C. ACHITEI, D.D. BURDUHOS NERGIS, M.C. PERJU, *New Trends in Bioactive Glasses for Bone Tissue: A Review*, **Current Concepts in Dental Implantology - From Science to Clinical Research**, **2021** (DOI: 10.5772/intechopen.100567)
19. P. VIZUREANU, M.S. BALTATU, **A.V. SANDU**, *Development of New Advanced Ti-Mo Alloys for Medical Applications*, **Biomaterials**, **2020** (DOI: 10.5772/intechopen.91906).
20. V. GEANTA, I. VOICULESCU, P. VIZUREANU, **A.V. SANDU**, *High Entropy Alloys for Medical Applications*, **High Entropy Alloys**, **2019** (DOI: 10.5772/intechopen.89318).
21. I. SANDU, M. CANACHE, A.-V. SANDU, V. VASILACHE, I.G. SANDU, *Use of Saline Aerosol Devices in School Gymnasiums: a Romanian Experiment*, **Salt Effect. Second Arheoinvest Symposium: From the Ethnoarchaeology to the Anthropology of Salt** (20–21 April 2012, ‘Al. I. Cuza’ University, Iași, Romania) (Editors: M. Alexianu, R.G. Curca and V. Cotiuga), Ed. Archaeopress Publishers of the British Archaeological Reports, Gordon House, 276 Banbury Road Oxford, England (ISBN 9781407314228) 2015, pp. 275-278;

C. Editor of Volumes (31)

1. P. VIZUREANU, S. YAMAGUCHI, M.S. BALTATU, G. GÖLLER, **A.V. SANDU**, C. ZAMORA-LEDEZMA, I.V. ANTONIAC, **Functionalized Materials Applications in Biomedicine**, CRC Press, Taylor & Francis Group, **2025**, <https://doi.org/10.1201/9781003642855>
2. **A.V. SANDU**, P. VIZUREANU, M.M.A.B.ABDULLAH, M. NABIALEK, M.R.R.M.A. ZAINOL, I. SANDU, Selected Papers from the International Conference on Innovative Research ICIR EUROINVENT 2025, **Springer Proceedings in Materials** (SPM, volume 95), <https://doi.org/10.1007/978-3-031-81198-2> .
3. **A.V. SANDU**, **EUROINVENT 2025**, (Proceedings of the 17th edition), (ISSN print: 2601-4564 ISSN online: 2601-4572), Iasi, 622 p.
4. **A.V. SANDU**, P. VIZUREANU, M.M.A.B.ABDULLAH, M. NABIALEK, M.R.R.M.A. ZAINOL, I. SANDU, Selected Papers from the International Conference on Innovative Research ICIR EUROINVENT 2024, **Springer Proceedings in Materials** (SPM, volume 64), <https://doi.org/10.1007/978-3-031-81198-2> .
5. **A.V. SANDU**, **EUROINVENT 2024**, (Proceedings of the 16th edition), (ISSN print: 2601-4564 ISSN online: 2601-4572), Iasi, 560 p.
6. P. VIZUREANU, M.M.A.B. ABDULLAH, R.A. RAZAK, D.D. BURDUHOS-NERGIS, L. YUN-MING, **A.V. SANDU**, **Geopolymers: Properties and Applications**, CRC Press, 2023, Taylor and Francis Group, (ISBN: 9781032486710).

7. **A.V. SANDU**, P. VIZUREANU, M.M.A.B.ABDULLAH, M. NABIALEK, C.M.R. GHAZALI, I. SANDU, Selected Papers from ICIR EUROINVENT – 2023 (International Conference on Innovative Research), **Springer Proceedings in Materials** (SPM, volume 38).
8. **A.V. SANDU**, **EUROINVENT 2023**, (Proceedings of the 15th edition), (ISSN print: 2601-4564 ISSN online: 2601-4572), Iasi, 649 p.
9. **A.V. SANDU**, M.M.A.B. ABDULLAH, P. VIZUREANU, M. NABIALEK, C.M.R. GHAZALI, I. SANDU, **IOP Conference Series: Materials Science and Engineering**, Volume 1962, 2022 (ISSN 1757-899X).
10. **A.V. SANDU**, **EUROINVENT 2022**, (Proceedings of the 14th edition), (ISSN print: 2601-4564 ISSN online: 2601-4572), Iasi, 654 p.
11. **A.V. SANDU**, M.M.A.B. ABDULLAH, P. VIZUREANU, M. NABIALEK, C.M.R. GHAZALI, I. SANDU, **IOP – Journal of Physics: Conference Series**, Volume 877, 2021 (ISSN 1757-899X).
12. **A.V. SANDU**, **EUROINVENT 2021**, (Proceedings of the 13th edition), (ISSN print: 2601-4564 ISSN online: 2601-4572), Iasi, 654 p.
13. **A.V. SANDU**, M.M.A.B. ABDULLAH, P. VIZUREANU, C.M.R. GHAZALI, I. SANDU, **IOP Conference Series: Materials Science and Engineering**, Volume 877, 2020 (ISSN 1757-899X).
14. **A.V. SANDU**, **EUROINVENT 2020**, (Proceedings of the 12th edition), (ISSN print: 2601-4564 ISSN online: 2601-4572), Iasi, 658 p.
15. **A.V. SANDU**, M.M.A.B. ABDULLAH, P. VIZUREANU, C.M.R. GHAZALI, I. SANDU, **IOP Conference Series: Materials Science and Engineering**, Volume 572, 2019 (ISSN 1757-899X).
16. **A.V. SANDU**, **EUROINVENT 2019**, (Proceedings of the 11th edition), (ISSN print: 2601-4564 ISSN online: 2601-4572), Iasi, 658 p.
17. **A.V. SANDU**, M.M.A.B. ABDULLAH, P. VIZUREANU, C.M.R. GHAZALI, I. SANDU, **IOP Conference Series: Materials Science and Engineering**, Volume 372, 2018 (ISSN 1757-899X).
18. **A.V. SANDU**, **EUROINVENT 2018**, (Proceedings of the 10th edition), (ISSN print: 2601-4564 ISSN online: 2601-4572), Iasi, 618 p.
19. **A.V. SANDU**, M.M.A.B. ABDULLAH, P. VIZUREANU, C.M.R. GHAZALI, I. SANDU, **IOP Conference Series: Materials Science and Engineering**, Volume 209, 2017 (ISSN 1757-899X).
20. **A.V. SANDU**, **EUROINVENT 2017** (Proceedings of the 9th Edition), Editura Studis, 2017, ISBN 978-606-775-212-0, 692 p.
21. **A.V. SANDU**, M.M.A.B. ABDULLAH, P. VIZUREANU, S.Z.A. RAHIM, I. SANDU, **IOP Conference Series: Materials Science and Engineering**, Volume 133, 2016 (ISSN 1757-899X).
22. **A.V. SANDU**, I.G. SANDU, **EUROINVENT 2016** (Proceedings of the 8th Edition), Editura PIM, 2015, ISBN 978-606-775-212-0, 692 p.
23. **A.V. SANDU**, M.M.A.B. ABDULLAH, P. VIZUREANU, Y. YAHYA, I. SANDU, **INNOVATIVE MATERIALS AND ENGINEERING RESEARCH, Key Engineering Materials**, Vol. 660, 2015, Trans Tech Publications, ISBN 978-3-03835-559-5, 428 p.
24. M.M.A.B. ABDULLAH, L. JAMALUDIN, M.F.M. TAHIR, **A.V. SANDU**, **GEOPOLYMER AND GREEN TECHNOLOGY, Materials Science Forum**, Vol. 803, 2015, Trans Tech Publications, ISBN 978-3-03835-233-4, 394 p.
25. **A.V. SANDU**, I.G. SANDU, **EUROINVENT 2015** (Proceedings of the 7th Edition), Editura PIM, 2015, ISBN 978-606-13-2474-3, 502 p.
26. **A.V. SANDU**, I. SANDU, **EUROINVENT 2014**, Editura Universitatii Al.I.Cuza Iasi, 2014, ISBN 978-973-702-641-5, 646 p.
27. **A.V. SANDU**, **EUROINVENT 2013**, Editura Universitatii Al.I.Cuza Iasi, 2013, ISBN 978-973-703-891-3, 500 p

28. **A.V. SANDU**, EUROINVENT **2012**, Editura Universitatii Al.I.Cuza Iași, 2012, ISBN 978-973-703-759-6, 380 p
29. **A.V. SANDU**, EUROINVENT **2011**, Editura TEHNOPRESS, 2011, ISBN 978-973-702-851-8, 324 p
30. **A.V. SANDU**, EUROINVENT **2010**, Editura TEHNOPRESS, 2010, ISBN 978-973-702-769-6, 228 p.
31. **A.V. SANDU**, EUROINVENT **2009**, Editura TEHNOPRESS, 2009, ISBN 978-973-702-641-5, 194 p.

Guest Editor (10):

1. **A.V. SANDU**, Obtaining and Characterization of New Materials V (2024) **MATERIALS** (MDPI), (https://www.mdpi.com/journal/materials/special_issues/52S24HYD67)
2. **A.V. SANDU**, Obtaining and Characterization of New Materials IV (2023-2024), **MATERIALS** (MDPI), (https://www.mdpi.com/journal/materials/special_issues/7EH16X88E3)
3. **A.V. SANDU**, Obtaining and Characterization of New Materials III (2022-2023), **MATERIALS** (MDPI), (https://www.mdpi.com/journal/materials/special_issues/obtain_charaterization_mater_volumelII) ISBN 978-3-0365-8670-0.
4. **A.V. SANDU**, Obtaining and Characterization of New Materials II (2021-2022), **MATERIALS** (MDPI), (https://www.mdpi.com/journal/materials/special_issues/Obtain_Charact_Mater_II) ISBN 978-3-0365-8244-3
5. **A.V. SANDU**, Obtaining and Characterization of New Materials (2020-2021), **MATERIALS** (MDPI) (https://www.mdpi.com/journal/materials/special_issues/Obtain_Charact_Mater) ISBN ISBN 978-3-0365-3093-2
6. **M.S. BALATU, P. VIZUREANU, A.V. SANDU**, Modern Biomaterials: Latest Advances and Prospects (2022-2023), **APPLIED SCIENCES** (MDPI), (https://www.mdpi.com/journal/applsci/special_issues/bio_medical_material)
7. **A.V. SANDU, I.G. SANDU**, New Materials and Advanced Procedures of Obtaining and Processing II (2022-2023), **APPLIED SCIENCES** (MDPI), (https://www.mdpi.com/journal/applsci/special_issues/advanced_procedures)
8. **A.V. SANDU**, New Materials and Advanced Procedures of Obtaining and Processing (2021-2022), **APPLIED SCIENCES** (MDPI), (https://www.mdpi.com/journal/applsci/special_issues/new_advanced_materials) ISBN 978-3-0365-8242-9
9. **M.S. BALATU, P. VIZUREANU, A.V. SANDU**, Advances in New Functional Biomaterials for Medical Applications (2022-2023), **CRYSTALS** (MDPI), (https://www.mdpi.com/journal/crystals/special_issues/biomaterials_crystals), ISBN 978-3-7258-0961-5
10. **D.D. BURDUHOS-NERGIS, P. VIZUREANU, A.V. SANDU**, Eco-Friendly Materials for a Sustainable Built Environment, *Frontiers in Built Environment* (ISSN 2297-3362) <https://www.frontiersin.org/research-topics/74000/eco-friendly-materials-for-a-sustainable-built-environment>

Editorial Articles/Prefaces for Special Issues or Conferences(10)

1. Baltatu, M.S.; Vizureanu, P.; **Sandu, A.V.** Advances in New Functional Biomaterials for Medical Applications. *Crystals* 2024, 14, 334. <https://doi.org/10.3390/cryst14040334>
2. Baltatu, M.S.; Vizureanu, P.; **Sandu, A.V.** Special Issue on Modern Biomaterials: Latest Advances and Prospects. *Applied Sciences*, 2023, 13, 11450. <https://doi.org/10.3390/app132011450>

3. **Sandu, A.V.** New Materials and Advanced Procedures of Obtaining and Processing— Applied Sciences Insights. **Applied Sciences**, 2023, 13, 3153. <https://doi.org/10.3390/app13053153>
4. **Sandu, A.V.** Obtaining and Characterizing New Advanced Materials. **Materials** 2023, 16, 1881. <https://doi.org/10.3390/ma16051881>
5. **Sandu, A.V.** Obtaining and Characterization of New Materials. **Materials** 2021, 14, 6606. <https://doi.org/10.3390/ma14216606>
6. Major, B., **Sandu, A.V.**; Abdullah, M.M.A.B.; Nabilek, M.; Tański, T.; Zieliński, A. Modern materials – Obtaining and characterization (alloys, polymers), **Bulletin of the Polish Academy of Sciences: Technical Sciences**, Volume 69, Issue 52021 Article number e139318
7. **Sandu, A.V.**; Abdullah, M.M.A.B.; Vizureanu, P.; Ghazali, C.M.R.; Sandu, I. International Conference on Innovative Research - ICIR Euroinvent 2017: Foreword, **IOP Conference Series: Materials Science and Engineering**, 2017, 209(1), 011001
8. **Sandu, A.V.**; Abdullah, M.M.A.B.; Vizureanu, P.; Rahim, S.Z.A.; Sandu, I. Editorial, **IOP Conference Series: Materials Science and Engineering**, 2016, 133(1), 011001
9. **Sandu, A.V.**; Al Bakri Abdullah, M.M.; Vizureanu, P.; Yahya, Z.; Sandu, I. Preface, **Key Engineering Materials**, 2015, 660.
10. Al Bakri Abdullah, M.M.; Jamaludin, L.; Tahir, M.F.M.; **Sandu, A.V.**; Preface, **Materials Science Forum**, 2015, 803.

D. Articles published indexed in Web of Science (Total 393, with impact factor: 342)

(Total items indexed in Web of Science: 369 articles, 63 proceedings, 5 editorials, 5 book chapters)

1. Burduhos Nergis, D.P.; Munteanu, C.; Acasandrei, M.-A.; Epure, L.-E.; Cimpoesu, N.; Bejinariu, C.; **Sandu, A.-V.**; Burduhos-Nergis, D.-D., Micromorphology and properties of novel phosphate conversion coatings based on zinc–magnesium and zinc–zirconium deposited on Ti6Al4V. **Surfaces and Interfaces**, 2025, 107884. <https://doi.org/10.1016/j.surfin.2025.107884>
2. Rahim, N.A.A.; Noor, N.M.; Jafri, I.A.M.; Ul-Saufie, A.Z.; Kamaruddin, M.A.; Zainol, M.R.R.M.A.; **Sandu, A.V.**; Vizureanu, P.; Deak G., Modelling Particulate Matter (PM10) Variations During Transboundary Haze Events Using a Modified Quantile Regression Approach, **ANALYTICAL SCIENCE ADVANCES**, 2025, Volume 6, Issue 2, e70027 <https://doi.org/10.1002/ansa.70027>
3. Shueb, M.I.; Mohamad, N.; Sapuan, S.Z.; Khee, Y.S.; Che Halin, D.S.; **Sandu, A.V.**; Vizureanu, P. Graphene Nanoplatelets Reinforced ABS Nanocomposite Films by Sonication-Assisted Cast Film Technique for Emission Shielding Application. **MATERIALS**, 2025, 18, 2645. <https://doi.org/10.3390/ma18112645> (Corresponding author)
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