

LISTA DE PUBLICAȚII

A. Monografiile și Cărți (9)

1. **A.V. SANDU**, N.M. NOOR, **Introducere în Ingineria Mediului (Introduction in Environmental Engineering)**, Ed. Pim, Iași, 2015, 168p. (ISBN 978-606-13-2752-2)
2. 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)
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5. I. SANDU, M.A. CRETU, I.G. SANDU, V. VASILACHE, **A.V. SANDU**, G. MARUSIC, **Implicarea ceramicilor în potabilizarea apelor de suprafață și subterane**, Ed. Universității Alexandru Ioan Cuza Iași (ISBN 978-606-714-451-2), 2018, 250p.
6. **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.
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9. 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.

B. Capitole de carte (6)

1. 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;
2. V. Geanta, I. Voiculescu, P. Vizureanu, **A.V. Sandu**, *High Entropy Alloys for Medical Applications*, **High Entropy Alloys, 2019** (DOI: 10.5772/intechopen.89318).
3. 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).
4. 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** (DOI 10.5772/intechopen.97807)
5. 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)
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C. Volume editate (23)

1. **A.V. SANDU**, EUROINVENT 2022, (Proceedings of the 14th edition), (ISSN print: 2601-4564 ISSN online: 2601-4572), Iasi, 654 p.
2. **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).
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18. **A.V. SANDU**, I.G. SANDU, EUROINVENT 2015 (Proceedings of the 7th Edition), Editura PIM, 2015, ISBN 978-606-13-2474-3, 502 p.
19. **A.V. SANDU**, I. SANDU, EUROINVENT 2014, Editura Universitatii Al.I.Cuza Iasi, 2014, ISBN 978-973-702-641-5, 646 p.
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Volume ca Guest Editor (7):

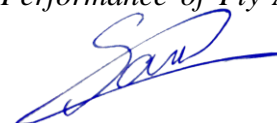
1. **MATERIALS** (MDPI): Obtaining and Characterization of New Materials III (2022-2023) (https://www.mdpi.com/journal/materials/special_issues/obtain_charaterization_mater_volu meIII)
2. **APPLIED SCIENCES** (MDPI): New Materials and Advanced Procedures of Obtaining and Processing II (2022) (https://www.mdpi.com/journal/applsci/special_issues/advanced_procedures)
3. **APPLIED SCIENCES** (MDPI): New Materials and Advanced Procedures of Obtaining and Processing (2022) (https://www.mdpi.com/journal/applsci/special_issues/bio_medical_material)
4. **CRYSTALS** (MDPI): Advances in New Functional Biomaterials for Medical Applications (2022) (https://www.mdpi.com/journal/crystals/special_issues/biomaterials_crystals)
5. **MATERIALS** (MDPI): Obtaining and Characterization of New Materials II (2021-2022) (https://www.mdpi.com/journal/materials/special_issues/Obtain_Charact_Mater_II)
6. **MATERIALS** (MDPI): Obtaining and Characterization of New Materials (2020-2021) (https://www.mdpi.com/journal/materials/special_issues/Obtain_Charact_Mater)
7. **APPLIED SCIENCES** (MDPI): New Materials and Advanced Procedures of Obtaining and Processing (2021-2022) (https://www.mdpi.com/journal/applsci/special_issues/new_advanced_materials)



D. Articole publicate în reviste indexate Web of Science (331):

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4. Che Halin, D.S., Azhari, A.W., Mohd Salleh, M.A.A., Muhammad Nadzri, N.I., Vizureanu, P., Abdullah, M.M.A.B., Wahab, J.A., **Sandu, A.V.**, *Metal-Doped TiO₂ Thin Film as an Electron Transfer Layer for Perovskite Solar Cells: A Review*, **COATINGS**, 2023, 13, 4. <https://doi.org/10.3390/coatings13010004>. (Corresponding author)
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6. Mydin, M.A.O., Abdullah, M.M.A.B., Mohd Nawawi, M.N., Yahya, Z., Sofri, L.A., Baltatu, M.S., **Sandu, A.V.**, Vizureanu, P., *Influence of Polyformaldehyde Monofilament Fiber on the Engineering Properties of Foamed Concrete*. **MATERIALS** 2022, 15, 8984. <https://doi.org/10.3390/ma15248984>
7. Arokiasamy P., Abdullah M.M.A.B., Abd Rahim S.Z., Mohd Arif Zainol M.R.R., Mohd Salleh M.A.A., Kheimi M., Chairapa J., **Sandu A.V.**, Vizureanu P., Abdul Razak R., Jamil N.H., *Metakaolin/sludge based geopolymer adsorbent on high removal efficiency of Cu²⁺*, **CASE STUDIES IN CONSTRUCTION MATERIALS**, 2022, 17, e01428. [10.1016/j.cscm.2022.e01428](https://doi.org/10.1016/j.cscm.2022.e01428)
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9. Mohamad, I.S.; Norizan, M.N.; Mahmed, N.; Jamalullail, N.; Halin, D.S.C.; Salleh, M.A.A.M.; **Sandu, A.V.**; Baltatu, M.S.; Vizureanu, P. *Enhancement of Power Conversion Efficiency with Zinc Oxide as Photoanode and Cyanococcus, Punica granatum L., and Vitis vinifera as Natural Fruit Dyes for Dye-Sensitized Solar Cells*. **COATINGS** 2022, 12, 1781. <https://doi.org/10.3390/coatings12111781>. (Corresponding author)
10. Baidrullisham, S.E., Noor, N.M., Hassan, Z., **Sandu, A.V.**, Vizureanu, P., Ul-Saufie, A.Z., Zainol, M.R.R.M.A., Kadir, A.A., Deak, G., *Effects of Weather and Anthropogenic Precursors on Ground-Level Ozone Concentrations in Malaysian Cities*, **ATMOSPHERE**, 2022, 13, 11, 1780. DOI10.3390/atmos13111780 (Corresponding author)
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12. Sofri, L.A., Abdullah, M.M.A., **Sandu, A.V.**, Imjai, T., Vizureanu, P., Hasan, M.R.M., Almadani, M., Ab Aziz, I.H., Rahman, F.A., *Mechanical Performance of Fly Ash Based*



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13. Tahirukaj, M., Surleva, A., Vizureanu, P., Olluri, B., **Sandu, A.V.**, Assessment of Persistence of Gunshot Residues Produced by Firearms from Criminal Cases in the Republic of Kosovo, **APPLIED SCIENCES**, 2022, 12, 20, 10477. DOI10.3390/app122010477 ([Corresponding author](#))
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 21. Huzaim, NHM; Abd Rahim, SZ; Musa, L; Abdellah, AE; Abdullah, MMA; Rennie, A; Rahman, R; Garus, S; Bloch, K; **Sandu, AV**; Vizureanu, P; Nabialek, M, Potential of Rapid Tooling in Rapid Heat Cycle Molding: A Review, **MATERIALS**, 2022, 15, 10, 3725, 10.3390/ma15103725
 22. Tahir, MFM; Abdullah, MMA; Abd Rahim, SZ; Hasan, MRM; **Sandu, AV**; Vizureanu, P; Ghazali, CMR; Kadir, AA, Mechanical and Durability Analysis of Fly Ash Based Geopolymer with Various Compositions for Rigid Pavement Applications, **MATERIALS**, 2022, 15, 10, art. 3458, 10.3390/ma15103458 ([Corresponding author](#))
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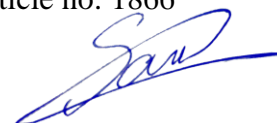
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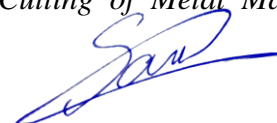
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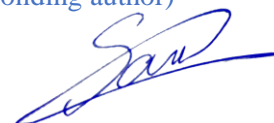
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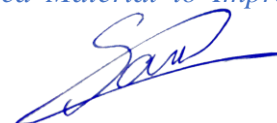
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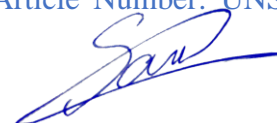
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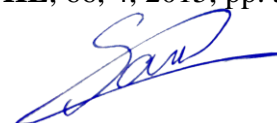
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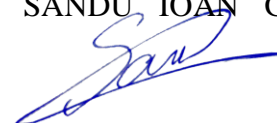


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