

LISTA PUBLICAȚIILOR REZULTATE ÎN URMA CERCETĂRII DOCTORALE, PUBLICATE SAU ACCEPTATE SPRE PUBLICARE, SUB AFILIERE UPT

Ing. Iasmina-Mădălina ANGHEL (căsătorită PETCULESCU) student doctorand

1. Lucrări științifice publicate în reviste indexate Web of Science-WoS (ISI)

1. **I.M. Anghel**, A. Pascu, I. Hulka, D.H. Woelk, I.D. Utu, G. Marginean, *Characterization of Cobalt-Based Composite Multilayer Laser-Cladded Coatings*, Crystals, Volume 15, Issue 11, DOI10.3390/cryst15110970, 2025, WOS:001623613200001;
2. D. Utu, R. Muntean, **I.M. Anghel (Petculescu)**, I. Hulka, I.D. Utu, *Preparation and Characterization of Co-Diamond Composite Coatings Obtained in a Single-Step Hybrid Electrophoretic Deposition Process*, MATERIALS, Volume 18, Issue 6, DOI10.3390/ma18061294, 2025, WOS:001452488800001;
3. B.D. Cioroaga, A.V. Socalici, V.G. Cioata, E. Linul, I. Hulka, **I.M. Anghel**, *Influence of Submerged Arc Welding Current Intensity on the Mechanical Properties and Microstructure of Pressure Vessel P355N Steel*, MATERIALS, Volume 17 Issue 14, DOI10.3390/ma17143520, 2024, WOS:001281622800001;
4. I.D. Utu, **I.M. Anghel (Petculescu)**, I. Hulka, G. Marginean, *Design, Manufacturing, Microstructure, and Surface Properties of Brazed Co-Based Composite Coatings Reinforced with Tungsten Carbide Particles*, CRYSTALS, Volume 14, Issue 6, DOI10.3390/cryst14060576, 2024, WOS:001254415300001;
5. **I.M. Anghel (Petculescu)**, I.D. Utu, A. Pascu, I. Hulka, D.H. Woelk, G. Marginean, *Microstructure and properties of Co based laser cladded composite coatings*, MATERIALS TESTING, Volume 66, Issue 5, Page 665-674, DOI10.1515/mt-2023-0362, 2024, WOS:001184489000001;
6. **I.M. Anghel (Petculescu)**, D. Utu, I. Mitelea, A.T. Constantin, Utu, I.D. Utu, *Surface Characteristics of Vacuum-Plasma-Sprayed Reinforced Stainless Steel Coatings with TiC Particles*, COATINGS, Volume 14 Issue 3, DOI10.3390/coatings14030289, 2024, WOS:001191429700001;
7. B.D. Cioroaga, V.G. Cioata, A.V. Socalici, E. Linul, I. Hulka, **I.M. Anghel**, *Optimization of Submerged Arc Welding through Voltage Variation to Achieve Superior Mechanical Properties Using P355N Base Material*, JOURNAL OF ENGINEERING SCIENCES-UKRAINE, Volume 11 Issue 2 Page C42-C56, DOI10.21272/jes.2024.11(2).c4, 2024, WOS:001388468800006.

2. Lucrări științifice publicate în volumele unor manifestări științifice (Proceedings) indexate Web of Science-WoS (ISI) Proceedings

3. Lucrări științifice publicate în reviste de specialitate indexate BDI (cu specificarea BDI)

4. Lucrări științifice publicate în volumele unor manifestări științifice (Proceedings) indexate BDI (cu specificarea BDI)

5. Lucrări științifice publicate în volumele unor manifestări științifice internaționale (Proceedings) din străinătate

6. Lucrări științifice publicate în volumele unor manifestări științifice

1. **I.M. Anghel (Petculescu)**, I.D. Uțu, D. Uțu, A.T. Constantin, *Microstructure and surface properties of Co-based brazed alloys coatings*, IOP Conference Series: Materials Science and Engineering, Volume 1319, Advanced Materials and Structures Conference (AMS 2024) 30/05/2024 - 01/06/2024 Timisoara, Romania <https://doi.org/10.1088/1757-899X/1319/1/012010>;

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