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L I S T A
lucrărilor ştiinţifice în domeniul disciplinelor din postul didactic

A. Teza de doctorat

1. Biomateriale pe baza de polimeri sintetici si naturali sustinuta public: 17.04.2014, Conducator de doctorat prof. Horia IOVU

B. Cărţi si capitole în cărţi publicate

1. Pandele A.M., Tuncel (Netoiu) Cristina, Voicu S.I., Polymeric Composite Membranes Enabled by Carbon Nanotubes and Graphene for Water Purification, Materials Science and Technology, Wiley-VCH Verlag GmbH & Co. KgaA, 2019, 1-18

C. Lucrări indexate ISI/BDI publicate

	Articol	WOS
1.	A. M. Onaş, **A. M. Pandele**, A. Hanganu, C. V. Florea, H. Iovu, M. D. Raicopol, L. Pilan, Facile preparation of bifunctional monolayers through diazonium grafting and "click" postfunctionalization: A first step towards efficient aptasensing interfaces, **Bioelectrochemistry,** 163, 108904 (2025), 10.1016/j.bioelechem.2025.108904, IF =4.8	001399643000001
2.	A.C. Mocanu, F. Miculescu, E.S. Dondea, **M.A. Pandele**, Ș. I. Voicu, A. A. Dobre, G. E Stan, A. Ghebaur, L.Toma Ciocan, Induced antibacterial activity of printable composite materials: Influence of the conjoined modulation of ampicillin/hydroxyapatite/graphene nanoplatelets ratios, Ceramic International, 51 (4), 5181-5198 (2025), 10.1016/j.ceramint.2024.11.492, IF = 5.6	001415410100001
3.	M Oprea, **A M Pandele**, A C Nechifor, A I Nicoara, I V Antoniac, A Semenescu, S I Voicu, C I Enachescu, A M Fratila, Improved Biomineralization Using Cellulose Acetate/Magnetic Nanoparticles Composite Membranes, **Polymers,** 17 (2) 209 (2025), 10.3390/polym17020209, IF=4.9	001403857600001
4.	G. A. Toader, D. I. Mihalache, V. T. Grigorean, E. A. Chiticaru, **M. A. Pandele**, M. Ionita, Efficient solid-phase extraction of oligo-DNA from complex media using a nitrocellulose membrane modified with carbon nanotubes and aminated reduced graphene oxide, **Scientific Reports**, 15(1), 5325 (2025), 10.1038/s41598-025-89705-7, IF=3.8	001421594200023
5.	MI Necolau, M Ionita, **AM Pandele**, Poly (propylene fumarate) Composite Scaffolds for Bone Tissue Engineering: Innovation in Fabrication Techniques	001487576000001

	and Artificial Intelligence Integration, **Polymers**, 17 (9), 1212, 2025, 10.3390/polym17091212, Q1 – **Polymer Science** cf JCR 2023, IF= 4.9	
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15.	SI Voicu, E Vasile, A Palla-Papavlu, R Oprea, M Ionita, **AM Pandele***, RUO_2 nanoparticle-decorated MWCNTS synthesized using a sonochemical method as	001377734800001

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E. Brevete obţinute în întreaga activitate

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Data: 03.12.2025 **Semnătura:**