

Opis

Portofoliu de zece lucrări științifice considerate cele mai relevante

1. **Mihaela Aradoaei**, Alina Ruxandra Caramitru, Magdalena Lungu, George Ursan, Romeo Cristian Ciobanu, Magdalena Aflori and Andrian Parfeni, *Thermoplastic Recycling of WEEE Carcasses with the Incorporation of Talc, Fly Ash, and Elastomers for Composites with Electromagnetic Interference Shielding Characteristics for Electric Car Components*, **Polymers Journal** 2025, Volume 17, Issue 17, 2394, DOI:10.3390/polym17172394, WOS:001569728100001.
2. Romeo Cristian Ciobanu, Magdalena Aflori, Cristina Mihaela Schreiner, **Mihaela Aradoaei** and Dorel Bunciuanu, *Silicone Composites with Electrically Oriented Boron Nitride Platelets and Carbon Microfibers for Thermal Management of Electronics*, **Polymers Journal** 2025, Volume 17, Issue 2, 204, DOI:10.3390/polym17020204, WOS:001403883400001
3. Romeo Cristian Ciobanu, Cristina Schreiner, Alina Ruxandra Caramitru, Sebastian Teodor Aradoaei, **Mihaela Aradoaei**, *Sustainability of the Technology for Obtaining Thermoplastic Building Materials from Non-Recyclable Mixed Plastic-Paper Packaging Waste*, **Sustainability Journal** 2024, Volume 16, Issue 8, 3430, DOI:10.3390/su16083430, WOS:001210274700001.
4. Romeo Cristian Ciobanu, **Mihaela Aradoaei** and Cristina Schreiner, *Technology for Obtaining Sintered Components with Tailored Electromagnetic Features by Selective Recycling of Printed Circuit Boards*, **Crystals Journal** 2024, Volume 14, Issue 9, 820, DOI: 10.3390/cryst14090820, WOS: 001323873700001.
5. Cristian Romeo Ciobanu, **Mihaela Aradoaei**, George Andrei Ursan, *Thermoplastic Composite Hot-Melt Adhesives with Metallic Nano-Particles for Reversible Bonding Techniques Utilizing Microwave Energy*, **Polymers Journal** 2024, Volumul: 16, Issue 24, 3496, DOI:10.3390/polym16243496, WOS:001383942600001.
6. Alina Ruxandra Caramitru, Romeo Cristian Ciobanu, **Mihaela Aradoaei**, Magdalena Valentina Lungu, Nicoleta Oana Nicula and Eduard Marius Lungulescu, *Endurance to Multiple Factors of Water-Based Electrically Conductive Paints with Metallic Microparticles*, **Coatings Journal** 2024, Volume 14, Issue 8, 1016, DOI:10.3390/coatings14081016, WOS:001305853800001.
7. **Mihaela Aradoaei**, Romeo C. Ciobanu, Cristina Schreiner, Andrei G. Ursan, Elena G. Hitruc, Magdalena Aflori, *Thermoplastic Electromagnetic Shielding Materials from the Integral Recycling of Waste from Electronic Equipment*, **Polymers Journal** 2023, Volume 15, Issue 19, 3859, DOI:10.3390/polym15193859, WOS:001083084200001
8. **Mihaela Aradoaei**, Romeo C. Ciobanu, Cristina Schreiner, Marius Paulet, Alina R. Caramitru, Jana Pinte, Mihaela Baibarac, *Three-Dimensional Printable Flexible Piezoelectric*

Composites with Energy Harvesting Features, Polymers Journal 2023, Volume 15, Issue 11, 2548, DOI: 10.3390/polym15112548, WOS:001006230400001

9. V. Stancu, A. Galatanu, M. Enculescu, M. Onea, B. Popescu, P. Palade, **M. Aradoaie**, R. Ciobanu, L. Pintilie, *Influences of Dispersions' Shapes and Processing in Magnetic Field on Thermal Conductibility of PDMS-Fe₃O₄ Composites*, **Materials Journal 2021**, Volume 14, Issue 13, 3696, DOI:10.3390/ma14133696, WOS:000671005800001.

10. Alexandru Sover, Vasile Ermolai, Ashok M. Raichur, Romeo Ciobanu, **Mihaela Aradoaei**, Nicolae Lucanu, *Feasibility of Producing Core-Shell Filaments through Fused Filament Fabrication*, **Polymers Journal 2021**, Volume 13, Issue 23, 4253, DOI:10.3390/polym13234253, WOS:000734564000001