

LISTA DE LUCRĂRI REPREZENTATIVE

Conf.univ.dr.ing. MIHALACHE Marius Andrei

1. **Mihalache, Andrei;** Hrituc, Adelina; Boca, Marius; Oroian, Bogdan; Condrea, Ionut; Botezatu, Carmen; Slatineanu, Laurentiu; *Thermal Insulation Capacity of a 3D Printed Material*, MACROMOLECULAR SYMPOSIA, volume 396, issue 1, Special Issue SI, <https://doi.org/10.1002/masy.202000286>, WOS:000641766900046 (2021), Proceedings Paper, JIF 0.913 (2005), Q3
2. **Andrei Marius Mihalache,** Gheorghe Nagiț, Laurențiu Slătineanu, Adelina Hrițuc, Angeles Markopoulos and Oana Dodun, *Evaluation of the Ability to Accurately Produce Angular Details by 3D Printing of Plastic Parts*, Machines, 9(8), 150; <https://doi.org/10.3390/machines9080150>, WOS:000690618300001 (2021), Article, JIF 2.899 (2021), Q2
3. Panaite, Camen Ema; **Mihalache, Andrei-Marius;** Dodun, Oana; Slatineanu, Laurentiu; Popescu, Aristotel; Hrituc, Adelina; Nagiț, Gheorghe, *Theoretical, Numerical and Experimental Assessment of Temperature Response in Polylactic Acid and Acrylonitrile Butadiene Styrene Used in Additive Manufacturing*, Polymers, Volume 14, Issue 9, Article Number 1714, <https://doi.org/10.3390/polym14091714>, WOS:000799264400001 (2022), Article, JIF 5.0 (2022), Q1
4. Bruno Rădulescu, **Andrei Marius Mihalache,** Adelina Hrițuc, Mara Rădulescu, Laurențiu Slătineanu, Adriana Munteanu, Oana Dodun, Gheorghe Nagiț, *Thermal Expansion of Plastics Used for 3D Printing*, Polymers, 14(15), 3061; <https://doi.org/10.3390/polym14153061>, WOS:000838950000001 (2022), Article, JIF 5.0 (2022), Q1
5. **Andrei-Marius Mihalache,** Vasile Ermolai, Alexandru Sever, Gheorghe Nagiț, Marius-Andrei Baca, Laurențiu Slătineanu, Adelina Hrițuc, Oana Dodun and Marius-Ionuț Rîpanu, *Tensile Behavior of Joints of Strip Ends Made of Polymeric Materials*, Polymers, 14(22), 4990; <https://doi.org/10.3390/polym14224990>, WOS:000887608700001 (2022), Article, JIF 5.0 (2022), Q1
6. Elena-Raluca Baciuc, Carmen Nicoleta Savin, Monica Tatarciuc, Ioana Mârțu, Oana Maria Butnaru, Andra Elena Aungurenci, **Andrei-Marius Mihalache** and Diana Diaconu-Popa, *Experimental Study on Mechanical Properties of Different Resins Used in Oral Environments*, MEDICINA-LITHUANIA, 59(6), <https://doi.org/10.3390/medicina59061042>, WOS:001015014600001 (2023), Article, JIF 2.4 (2023), Q1
7. Bruno Radulescu, **Andrei Marius Mihalache,** Emil ian Paduraru, Adelina Hrituc, Mara Cristina Radulescu, Laurentiu Slatineanu and Vasile Ermolai, *Tensile Behavior of Chain Links Made of Polymeric Materials Manufactured by 3D Printing*, Polymers, Volume 15, Issue 15, Special Issue: Polymeric Materials and Their Application in 3D Printing, <https://doi.org/10.3390/polym15153178>, WOS:001045714500001 (2023), Article, JIF 4.7 (2023), Q1
8. Adelina Hrițuc, **Andrei Marius Mihalache,** Oana Dodun, Gheorghe Nagiț, Irina Beșliu-Băncescu, Bruno Rădulescu and Laurențiu Slătineanu, *Propagation of Sounds through Small Panels Made of Polymer Materials by 3D Printing*, Polymers 16(1):5,

<http://dx.doi.org/10.3390/polym16010005>, WOS:001140503600001 (2024), Article, JIF 4.9 (2024), Q1

9. **Mihalache, Marius Andrei**; Merticaru, Vasile; Errnolai, Vasile; Andrusca, Liviu; Cimpoesu, Nicanor; Negoescu, Florin; *A Proposed System for Temperature Measurement During Tensile Testing*, SENSORS, volume 25, issue 17, <https://doi.org/10.3390/s25175494>, WOS:001570131200001 (2025), Article, JIF 3.5 (2024), Q2
10. Besliu, Irina; Tamasag, Ioan; **Mihalache, Andrei**; *Geometrical and Dimensional Accuracy of Pine-Based Polymer Composites Produced by FDM*, INTERNATIONAL JOURNAL OF POLYMER SCIENCE, volume 2026, Issue 1, <https://doi.org/10.1155/ijps/3357501>, WOS:001673698600001 (2026), Article, JIF 4.4 (2024), Q2