

PhD. Student Ing. Miu Dana-Maria
List of papers that include data from the thesis

PAPERS LIST

- 1. Dana-Maria Miu**, Fawzia Sha'at, Georgeta Neagu, Adrian Albulescu, Ramona-Daniela Pavaloiu, Mihaela-Carmen Eremia, Sorin-Ion Jinga, *Biopolymer Nanoparticles Loaded with Curcumin for Biomedical Applications*, UPB Sci. Bull. Series B Chemistry and Materials Science, **86 (2)**, (2024), ISSN 1454-2331, IF=0,7 (original article)
- 2. Denis Mihaela Panaitescu**, Adriana Nicoleta Frone, Cristian-Andi Nicolae, Augusta Raluca Gabor, **Dana Maria Miu**, Mariana-Gratiela Soare, Bogdan Stefan Vasile, Irina Lupescu, *Poly(3-hydroxybutyrate) nanocomposites modified with even and odd chain length polyhydroxyalkanoates*, International Journal of Biological Macromolecules, **244**, (2023) 125324, IF=7,7 (original article)
- 3. Dana-Maria Miu**, Mihaela-Carmen Eremia, Misu Moscovici, *Polyhydroxyalkanoates (PHAs) as Biomaterials in Tissue Engineering: Production, Isolation, Characterization*, Materials, **15(4)**, (2022), 1410, IF=3,4 (article review)
- 4. Dana-Maria Miu**, Sorin Ion Jinga, Georgeta Voicu, Florin Iordache, *Characteristics of Wollastonite Ceramic Coatings Obtained by Pulsed Laser Deposition*, Journal of Inorganic and Organometallic Polymers and Materials, **31(2)**, (2021), 1-7, IF=3,518 (original article)
- 5. Georgeta Voicu**, **Dana-Maria Miu**, Cristina Ghitulica, Sorin Ion Jinga, Adrian Nicoara, Cristina Busuioc, Alina-Maria Holban, *Co doped ZnO thin films deposited by spin coating as antibacterial coating for metallic implants*, Ceramics International, **46 (3)**, (2019), 3904-3911, IF = 3,830 (original article)

SCIENTIFIC MEETINGS ATTENDED

- 1. Dana-Maria Miu**, Ramona-Daniela Pavaloiu, Mihaela-Carmen Eremia, Vasile-Sorin Manoiu, *Hybrid biomaterials containing polyhydroxyalkanoates used in tissue reconstruction applications*, International Conference "Medicines between Information and Life Sciences", 23-24 Septembrie, **2024**, Bucuresti, oral presentation.
- 2. Fawzia Sha'at**, Ramona-Daniela Pavaloiu, Mihaela-Carmen Eremia, Maria Pterescu, Claudia Sevcenco, **Dana-Maria Miu**, Corina Bubueanu, Angela Casarica, *Release kinetics of curcumin from microbial polymers based nanosystems*, Simpozioul International "Prioritatile chimiei pentru o dezvoltare durabila" – PRIOCHEM, edita XX, 16-18 octombrie, **2024**, Bucuresti, poster presentation.
- 3. Dana-Maria Miu**, Maria-Monica Petrescu, Gabriela Savoiu, Ramona Daniela Pavaloiu, Mihaela-Carmen Eremia, *Polymeric complexes with polyhydroxyalkanoates used for tissue reconstruction*, Conferinta SRBB - Biotehnologiile/Provocari si

contributii in domeniile sanatate, schimbari climatice, securitate alimentara, **2024**, Bucuresti, poster presentation.

4. **Dana-Maria Miu**, Maria-Monica Petrescu, Mihaela-Carmen Eremia, *Obtaining microbial inulinase by aspergillus sp. for the prevention of metabolic and nutritional diseases*, International Chemical Engineering and Material Symposium, SICHEM, 11-12 April **2024**, Bucuresti, ISSN 2537-2254, poster presentation.
5. Pavaloiu Ramona-Daniela, Savoiu Gabriela, Sha'at Mousa, **Miu Dana-Maria**, Eremia Mihaela, Sha'at Fawzia, *Nanoparticles based on polyhydroxyoctanoate-polyhydroxydecanoate for biomedical field*, SICHEM, **2022**, Bucuresti (Abstract publicat in: Book of abstracts, p. 185, ISSN 2537-2254), poster presentation.
6. Sha'at Fawzia, Neagu Georgeta, Albulescu Adrian, Hlevca Cristina, Sha'at Mousa, Savoiu Gabriela, **Miu Dana-Maria**, Mihaela Eremia, Pavaloiu Ramona-Daniela, *Fabrication and characterization of polymeric nanoparticles based on polyhydroxyalkanoates loaded with curcumin for biomedical applications*, The 26th International Electronic Conference on Synthetic Organic Chemistry, Polymer and Supramolecular Chemistry, **2022**, Online.
7. Maria-Monica Petrescu, **Dana-Maria Miu**, Gabriela Savoiu, Mihaela-Carmen Eremia, *Biosynthesis of inulinases by Aspergillus terreus using orange peels powder as a potential substrate*, Conferinta "Agriculture for Life International Conference", **2022**, USAMV – Bucuresti, poster presentation.
8. **Dana-Maria Miu**, Maria Petrescu, Ramona-Daniela Pavaloiu, Fawzia Sha'at, Mousa Sha'at, Gabriela Savoiu, Maria Spiridon, Mihaela-Carmen Eremia, *Folate-modified pullulan acetate nanoparticles loaded with curcumin for cancer therapy*, The 6th International Conference: New Trends on Sensing-Monitoring-Telediagnosis for Life Sciences, NT SMT-LS **2022**, Brasov, poster presentation.
9. **Dana-Maria Miu**, Ramona-Daniela Pavaloiu, Gabriela Savoiu, Maria Spiridon, Mihaela-Carmen Eremia, *Biopolymeric compounds with medicinal applications*, The 6th International Conference: New Trends on Sensing-Monitoring-Telediagnosis for Life Sciences, NT SMT-LS **2022**, Brasov, poster presentation.
10. **Dana-Maria Miu**, Fawzia Sha'at, Mousa Sha'at, Cristina Hlevca, Mariana Spiridon, Mihaela Eremia, Maria Petrescu, Claudia Sevcenco, Ramona-Daniela Pavaloiu, *Release kinetics of curcumin from pullulan-based nanoparticles*, The XVIIIth International Symposium PRIOCHEM "Priorities of Chemistry for a Sustainable Development", **2022**, Bucuresti, poster presentation.
11. **Miu Dana Maria**, Eremia Mihaela Carmen, Savoiu Gabriela, *Polyhydroxybutyrate accumulation in Ralstonia eutropha in lipid containing media*, Conferinta "Progress

in Organic and Macromolecular Compounds” 28th Edition, **2021**, Institutul de Chimie Macromoleculara “Petru Poni”, Iasi, poster presentation.

12. **Dana-Maria Miu**, Sorin Ion Jinga, Cristina Busuioc, Georgeta Voicu, ***Zinc oxide thin films obtained by the spin-coating method***, 21st Romanian International Conference on Chemistry and Chemical Engineering, 4-7 Septembrie, **2019**, Constanta – Mamaia, poster presentation.