

Dr. ZALTARIOV MIRELA-FERNANDA

List of publications

1. Amino-functionalized silicones processed as porous dual covalent/supramolecular networks for pressure sensing, B.I. Ciubotaru, **M.F. Zaltariov**, M. Dascalu, A. Bele, A. Bargan, M. Cazacu, *Reactive and Functional Polymers* 194, 105792 (2024) (**FI₂₀₂₃ = 5.1**) (**Q_{FI} = Q1**) (**AIS₂₀₂₂ = 0.534**) (**Q_{AIS} = Q2**)
2. Mucoadhesive Mesoporous Silica Particles as Versatile Carriers for Doxorubicin Delivery in Cancer Therapy; **M.F. Zaltariov***, B.I. Ciubotaru, A. Ghilan, D. Peptanariu, M. Ignat, M. Iacob, N. Vornicu, M. Cazacu; *International Journal of Molecular Sciences* 24, 14687 (2023) (**FI₂₀₂₃ = 5.6**) (**Q_{FI} = Q1**) (**AIS₂₀₂₂ = 1.028**) (**Q_{AIS} = Q2**);
3. Hybrid green bionanocomposites based on chitosan/starch/gelatin and metallic nanoparticles for biological applications, D. Filip, D. Macocinschi, S.L. Nica, M. Asandulesa, B. Condurache, E. Stoleru, D.M. Rata, A. Bargan, **M.F. Zaltariov***; *International Journal of Biological Macromolecules*, 253, 127571 (2023) (**FI₂₀₂₃ = 8.2**) (**Q_{FI} = Q1**) (**AIS₂₀₂₂ = 0.918**) (**Q_{AIS} = Q1**);
4. Mucoadhesive and Antimicrobial Allantoin/beta Cyclodextrins-Loaded Carbopol Gels as Scaffolds for Regenerative Medicine, D. Filip, D. Macocinschi, **M.-F. Zaltariov***, C.A. Gafitanu, C.G. Tuchilus, A. Bele, B.-I. Ciubotaru, E. Stoleru, A. Bargan, *Gels*, 8(7), 416 (2022) (**FI₂₀₂₃ = 4.6**) (**Q_{FI} = Q1**) (**AIS₂₀₂₂ = 0.626**) (**Q_{AIS} = Q1**)
5. Hydroxypropyl Cellulose/Pluronic-Based Composite Hydrogels as Biodegradable Mucoadhesive Scaffolds for Tissue Engineering, D. Filip, D. Macocinschi, **M.-F. Zaltariov***, B.-I. Ciubotaru, A. Bargan, C.-D. Varganici, A.-L. Vasiliu, D. Peptanariu, M. Balan-Porcarasu, M.-M. Timofte-Zorila, *Gels*, 8(8), 519 (2022) (**FI₂₀₂₃ = 4.6**) (**Q_{FI} = Q1**) (**AIS₂₀₂₂ = 0.626**) (**Q_{AIS} = Q1**)
6. Biocompatible Self-Assembled Hydrogen-Bonded Gels Based on Natural Deep Eutectic Solvents and Hydroxypropyl Cellulose with Strong Antimicrobial Activity, D. Filip, D. Macocinschi, M. Balan-Porcarasu, C.-D. Varganici, R.P. Dumitriu, D. Peptanariu, C.G. Tuchilus, **M.-F. Zaltariov***, *Gels*, 8(10), 666 (2022) (**FI₂₀₂₃ = 4.6**) (**Q_{FI} = Q1**) (**AIS₂₀₂₂ = 0.626**) (**Q_{AIS} = Q1**)
7. Catalyst-free crosslinked sustainable functional silicones by supramolecular interactions, B.-I. Ciubotaru, M. Dascalu, **M.-F. Zaltariov***, A.M. Macsim, M. Damoc, A. Bele, C. Tugui, C.-D. Varganici, M. Cazacu, *Reactive and Functional Polymers*, 181, 105419 (2022) (**FI₂₀₂₃ = 5.1**) (**Q_{FI} = Q1**) (**AIS₂₀₂₂ = 0.534**) (**Q_{AIS} = Q2**)
8. Silicones with different crosslinking patterns: assessment from the perspective of their suitability for biomaterials, B.-I. Ciubotaru, **M.-F. Zaltariov***, C. Tugui, I.-E. Stoleru, D. Peptanariu, G.-T. Stiubianu, N. Vornicu, M. Cazacu, *Surfaces and Interfaces*, 32, 102168 (2022) (**FI₂₀₂₃ = 6.2**) (**Q_{FI} = Q2**) (**AIS₂₀₂₂ = 0.696**) (**Q_{AIS} = Q1**)
9. From amorphous silicones to Si-containing highly ordered polymers: some Romanian contributions in the field, M. Cazacu, C. Racles, **M. F. Zaltariov**, M. Dascalu, A. Bele, C. Tugui, A. Bargan, G. Stiubianu, *Polymers* 13(10), 1605 (2021) (**FI₂₀₂₃ = 5.0**) (**Q_{FI} = Q1**) (**AIS₂₀₂₂ = 0.606**) (**Q_{AIS} = Q1**)
10. Two-dimensional coordination polymers containing permethylated motifs - promising candidates for 2D emerging materials. Structural, behavioral and functional

- particularities, A.C. Stoica, M. Damoc, **M. F. Zaltariov**, C. Racles, M. Cazacu, *React. Funct. Polym.* 168, 105039 (2021) (**FI₂₀₂₃ = 5.1**) (**Q_{FI} = Q1**) (**AIS₂₀₂₂ = 0.534**) (**Q_{AIS} = Q2**)
11. New cellulose-collagen-alginate materials incorporated with quercetin, anthocyanins and lipoic acid, N. Anghel, M.V. Dinu, **M.F. Zaltariov**, D. Pamfil, I. Spiridon, *Int. J. Biol. Macromol.* 181, 30-40 (2021) (**FI₂₀₂₃ = 8.2**) (**Q_{FI} = Q1**) (**AIS₂₀₂₂ = 0.920**) (**Q_{AIS} = Q1**)
 12. Blends of sodium deoxycholate-based poly(ester ether)urethane ionomer and hydroxypropylcellulose with mucosal adhesiveness, D. Macocinschi, D. Filip, B.-I. Ciubotaru, R. P. Dumitriu, C.-D. Varganici, **M.-F. Zaltariov***, *Int. J. Biol. Macromol.*, 162, 1262-1275 (2020) (**FI₂₀₂₃ = 8.2**) (**Q_{FI} = Q1**) (**AIS₂₀₂₂ = 0.920**) (**Q_{AIS} = Q1**)
 13. Photo-oxidative degradation of doxorubicin with siloxane MOFs by exposure to daylight, C. Racles, **M.-F. Zaltariov**, M. Silion, A.-M. Macsim, V. Cozan, *Environ. Sci. Pollut. Res.* 26, 19684–19696, (2019)) (**FI₂₀₂₃ = 5.8**) (**Q_{FI} = Q1**) (**AIS₂₀₂₂ = 0.651**) (**Q_{AIS} = Q3**)
 14. X-ray structure elucidation of a Pt-metalloporphyrin and its application for obtaining sensitive AuNPs-plasmonic hybrids capable of detecting triiodide anions, E. Fagadar-Cosma, A. Lascu, S. Shova, **M.-F. Zaltariov**, M. Birdeanu, L. Croitor, A. Balan, D. Anghel, S. Stamatina, *Int. J. Mol. Sci.* 20, 710, (2019) (**FI₂₀₂₃ = 5.6**) (**Q_{FI} = Q1**) (**AIS₂₀₂₂ = 1.030**) (**Q_{AIS} = Q2**)
 15. Effects of Sewage Sludge Amendments on the Growth and Physiology of Sweet Basil, M. Burducea, A. Lobiuc, M. Asandulesa, **M.-F. Zaltariov**, I. Burducea, S. M. Popescu, V. D. Zheljzkov, *Agronomy*, 9, 548, (2019) (**FI₂₀₂₃ = 2.1**) (**Q_{FI} = Q2**) (**AIS₂₀₂₂ = 0.424**) (**Q_{AIS} = Q1**)
 16. Silver thin films generated by Pulsed Laser Deposition on plasma-treated surface of silicones to get dielectric elastomer transducers, C. Tugui C. Ursu, **M.-F. Zaltariov**, M. Aflori, M. Micušik, M. Omastova, M.Cazacu, *Surf. Coat. Tech.* 358, 282–292, (2019) (**FI₂₀₂₃ = 5.4**) (**Q_{FI} = Q1**) (**AIS₂₀₂₂ = 0.644**) (**Q_{AIS} = Q1**)
 17. Determination of the effective diffusion coefficient during the drying of paint and varnish films applied on fir wood, A. Mihaila, C. Lisa, A.-M. Ipate, **M.F. Zaltariov**, D. Rusu, I. Mămăligă, G. Lisa, *Prog. Org. Coat.* 137, 105344, (2019) (**FI₂₀₂₃ = 6.6**) (**Q_{FI} = Q1**) (**AIS₂₀₂₂ = 0.698**) (**Q_{AIS} = Q1**)
 18. The Impact of the Addition of Vitamins on a Silicone Lining Material to the Oral Mucosa Tissue—Evaluation of the Biocompatibility, Hydrolytic Stability and Histopathological Effect; I. Gradinaru, B.I. Ciubotaru, M. Butnaru, F.D. Cojocar, C.T. Covasa, T. Bibire, M. Dascalu, A. Bargan, M. Cazacu, **M.F. Zaltariov***; *Medicina-Lithuania* 59, 1936 (2023) (**FI₂₀₂₃ = 2.6**) (**Q_{FI} = Q2**) (**AIS₂₀₂₂ = 0.531**) (**Q_{AIS} = Q3**);
 19. Synthesis, characterization, and some metal complexes of bis(isocyanide)disiloxane, showing catalytic activity, C. Racles, **M.-F. Zaltariov**, M. Silion, M. Avadanei, A. M. Macsim, A. Nicolescu, *Applied Organometallic Chemistry*, 36, e6543/1-13 (2022) (**FI₂₀₂₃ = 3.9**) (**Q_{FI} = Q2**) (**AIS₂₀₂₂ = 0.391**) (**Q_{AIS} = Q2**)
 20. Scalable silicone composites for thermal management in flexible stretchable electronics, G.-T. Stiubianu, A. Bele, M. Grigoras, C. Tugui, B.-I. Ciubotaru, **M.-F. Zaltariov**, F. Borza, L.-G. Bujoreanu, M. Cazacu, *Batteries*, 8(8), 95 (2022) (**FI₂₀₂₃ = 4.0**) (**Q_{FI} = Q2**) (**AIS₂₀₂₂ = 0.861**) (**Q_{AIS} = Q2**)
 21. Functionalized mesoporous silica as doxorubicin carriers and cytotoxicity boosters, C. Racles, **M.-F. Zaltariov***, D. Peptanariu, T. Vasiliu, M. Cazacu, *Nanomaterials* 12, 1823/1-26 (2022) (**FI₂₀₂₃ = 5.3**) (**Q_{FI} = Q2**) (**AIS₂₀₂₂ = 0.712**) (**Q_{AIS} = Q2**)

22. Chemical attachment of the 5-nitrosalicylaldehyde motif to the silatrane resulting in an organic-inorganic structure of high medicinal significance, **M.-F. Zaltariov***, M. Turtoi, D. Peptanariu, A.-M. Macsim, L. Clima, C. Cojocaru, N. Vornicu, B.-I. Ciubotaru, A. Bargan, M. Calin, M. Cazacu, *Pharmaceutics*, 14, 2838 (2022) (**FI₂₀₂₃ = 5.4**) (**Q_{FI} = Q2**) (**AI_{S2022} = 0.712**) (**Q_{AI_S} = Q2**)
23. New heterogeneous catalysts containing platinum group metals recovered from a spent catalytic converter, C. Racles, **M.-F. Zaltariov**, A. Coroaba, M. Sillion, C. Diac, A. Dascalu, M. Iacob, M. Cazacu, *Appl. Organomet. Chem.* e6417 (2021) (**FI₂₀₂₃ = 3.9**) (**Q_{FI} = Q2**) (**AI_{S2022} = 0.391**) (**Q_{AI_S} = Q2**)
24. Slow Magnetic Relaxation in {[CoC_xAPy]}₂.15 H₂O}n MOF Built from Ladder-Structured 2D Layers with Dimeric SMM Rungs, A. Arauzo, E. Bartolomé, J. Luzón, P. J. Alonso, A. Vlad, M. Cazacu, **M. F. Zaltariov**, S. Shova, J. Bartolomé, C. Turta, *Molecules* 26(18), 5626 (2021) (**FI₂₀₂₃ = 4.6**) (**Q_{FI} = Q2**) (**AI_{S2022} = 0.660**) (**Q_{AI_S} = Q3**)
25. New approaches for the development of cellulose acetate/tetraethyl orthosilicate composite membranes: Rheological and microstructural analysis, A. M. Dobos, A. Filimon, A. Bargan, **M.-F. Zaltariov**, *J. Mol. Liq.*, 309, 113129 (2020) (**FI₂₀₂₃ = 6.0**) (**Q_{FI} = Q2**) (**AI_{S2022} = 0.668**) (**Q_{AI_S} = Q2**)
26. Salen-type Schiff bases spaced by the highly flexible and hydrophobic tetramethyldisiloxane motif. Some synthetic, structural and behavioral particularities, M. Damoc, A.-C. Stoica, A.-M. Macsim, M. Dascalu, **M.-F. Zaltariov**, M. Cazacu, *J. Mol. Liq.*, 316, 113852 (2020) (**FI₂₀₂₃ = 6.0**) (**Q_{FI} = Q2**) (**AI_{S2022} = 0.668**) (**Q_{AI_S} = Q2**)
27. Keto-enol tautomerism in new silatranes Schiff bases tailed with different substituted salicylic aldehyde, A. Bargan, **M. F. Zaltariov**, A. Vlad, A.-M.-C. Dumitriu, A. Soroceanu, A. M. Macsim, M. Dascalu, C. D. Varganici, M. Cazacu, S. Shova, *Arab. J. Chem.*, 13, 3100-3111 (2020)) (**FI₂₀₂₃ = 6.0**) (**Q_{FI} = Q2**) (**AI_{S2022} = 0.679**) (**Q_{AI_S} = Q2**)
28. Permethylated dinuclear Mn(III) coordination nanostructure with stripe-ordered magnetic domains, S. Shova, V. Tiron, A. Vlad, G. Novitchi, D. G. Dumitrescu, M. Damoc, **M.-F. Zaltariov**, M. Cazacu, *Appl. Organomet. Chem.*, e5957, 1-11 (2020) (**FI₂₀₂₃ = 3.9**) (**Q_{FI} = Q2**) (**AI_{S2022} = 0.391**) (**Q_{AI_S} = Q2**)
29. Effect of TAT-DOX-PEG irradiated gold nanoparticles conjugates on human osteosarcoma cells, R. V. Lupusoru, D. A. Pricop, C. M. Uritu, A. Arvinte, A. Coroaba, I. Esanu, **M. F. Zaltariov**, M. Sillion, C. Stefanescu, M. Pinteala, *Sci. Rep.*, 10, 6591 (2020) (**FI₂₀₂₃ = 4.6**) (**Q_{FI} = Q2**) (**AI_{S2022} = 1.132**) (**Q_{AI_S} = Q2**)
30. Three Reactions, One Catalyst: A Multi - Purpose Platinum(IV) Complex and its Silica - Supported Homologue for Environmentally Friendly Processes, C. Racles, **M.F. Zaltariov**, M. Damoc, A.M. Macsim, M. Iacob, L. Sacarescu, *Appl. Organomet. Chem.*, e5422, (2019)) (**FI₂₀₂₃ = 3.9**) (**Q_{FI} = Q2**) (**AI_{S2022} = 0.391**) (**Q_{AI_S} = Q2**)
31. Micellar and rheological properties of some sodium deoxycholate-based poly(ester ether)urethane ionomer biomaterials in N,N-dimethylformamide solutions, D. Filip, D. Macocinschi, S. Vlad, C. Ibanescu, M. Danu, **M. F. Zaltariov***, *J. Mol. Liq.* 285, 451-458, (2019) (**FI₂₀₂₃ = 6.0**) (**Q_{FI} = Q2**) (**AI_{S2022} = 0.668**) (**Q_{AI_S} = Q2**)
32. Amphiphilic silicone-bridged bis-triazoles as effective, selective metal ligands and biologically active agents in lipophilic environment, G.-O. Turcan-Trofin, **M.-F. Zaltariov**, Ghe. Roman, S. Shova, N. Vornicu, M. Balan-Porcarasu, D. L. Isac, A. Neamtu, M. Cazacu, *J. Mol. Liq.* 294, 111560, (2019) (**FI₂₀₂₃ = 6.0**) (**Q_{FI} = Q2**) (**AI_{S2022} = 0.668**) (**Q_{AI_S} = Q2**)

33. Copper(II) complexes with spherical morphology generated in one step by amphiphilic ligands: in situ view of the self-assembling, characterization, catalytic activity, G.-O. Turcan-Trofin, M.-F. Zaltariov, M. Iacob, V. Tiron, F. Branza, C. Racles, M. Cazacu, Colloid Surface A, 580, 123756, (2019) (**FI**₂₀₂₃ = **5.2**) (**Q**_{FI} = **Q2**) (**AI**S₂₀₂₂ = 0.600) (**Q**_{AIS = Q3)}
34. Nickel complexes of guanidine functionalized trisiloxane, L. Pricop, M. E. Fortuna, D. Popovici, M. Asandulesa, C. Racles, M. F. Zaltariov, N. Marangoci, M. Savin, V. Harabagiu, J. Inorg. Organomet. Polym., 29, 20224-2034, (2019) (**FI**₂₀₂₃ = **4.0**) (**Q**_{FI} = **Q2**) (**AI**S₂₀₂₂ = 0.355) (**Q**_{AIS = Q3)}
35. Crystal smectic E revisited for(E)-N-(biphenyl-4-ylmethylene)-4-butylaniline – mesomorphism, crystal structure and FTIR study, V. Cozan, M. Avadanei, S. Shova, M.-F. Zaltariov, Lyq. Cryst. 46, 492-501, (2019) (**FI**₂₀₂₃ = **2.676**) (**Q**_{FI} = **Q2**) (**AI**S₂₀₂₂ = 0.276) (**Q**_{AIS = Q4)}
36. Synthesis, structural characterization and biological studies of new Schiff bases containing trimethylsilyl groups, M. F. Zaltariov*, M. Avadanei, M. Balan, D. Peptanariu, N. Vornicu, S. Shova, J. Mol. Struct. 1175, 624-631, (2019) (**FI**₂₀₂₃ = **3.8**) (**Q**_{FI} = **Q2**) (**AI**S₂₀₂₂ = 0.331) (**Q**_{AIS = Q4)}
37. Self-assembly and rheological behavior of chloramphenicol-based poly (ester ether) urethanes, M. F. Zaltariov*, D. Filip, D. Macocinschi, C. Ibanescu, M. Danu, L. Sacarescu, J. Polym. Res. 28(5), 1-15 (2021) (**FI**₂₀₂₃ = **2.8**) (**Q**_{FI} = **Q3**) (**AI**S₂₀₂₂ = **0.317**) (**Q**_{AIS = **Q3**)}
38. FTIR investigation on crystallinity of hydroxypropyl methyl cellulose - based polymeric blends, M. F. Zaltariov*, Cellulose Chem. Technol. 55 (9-10), 981-988 (2021) (**FI**₂₀₂₃ = **1.3**) (**Q**_{FI} = **Q3**) (**AI**S₂₀₂₂ = **0.132**) (**Q**_{AIS = **Q3**)}
39. Synthesis, characterization of erythromycin propionate core-based star poly(ether urethane)s and their antibacterial properties, D. Filip, D. Macocinschi, C. G. Tuchilus, M.F. Zaltariov, C.D. Varganici, Macromol. Res. 29, 613-624 (2021) (**FI**₂₀₂₃ = **2.4**) (**Q**_{FI} = **Q3**) (**AI**S₂₀₂₂ = **0.123**) (**Q**_{AIS = **Q3**)}
40. Hydroxypropyl cellulose/polyurethane blends. The behavior after accelerated ageing. A FTIR study, M.-F. Zaltariov*, D. Filip, D. Macocinschi, I. Spiridon, Cell. Chem. Technol., 54(9-10), 913-924 (2020) (**FI**₂₀₂₃ = **1.3**) (**Q**_{FI} = **Q3**) (**AI**S₂₀₂₂ = **0.132**) (**Q**_{AIS = **Q3**)}
41. Siloxane-based compounds with tailored surface properties for health and environment, C. Racles, M. Cazacu, M. Zaltariov, M. Iacob, M. Butnaru, Phosphorus Sulfur Silicon Relat. Elem., 194, 972-977, (2019) (**FI**₂₀₂₃ = **1.3**) (**Q**_{FI} = **Q4**) (**AI**S₂₀₂₂ = 0.143) (**Q**_{AIS = Q4)}
42. Ruthenium(II) complexes with cytotoxic activity embedded in hydroxypropyl methylcellulose/sodium alginate mucoadhesive hydrogels, M.-F. Zaltariov*, B.-I. Ciubotaru, L. Verestiuc, D. Peptanariu, D. Macocinschi, D. Filip, Cellulose Chem. Technol., 53 (9-10), 869-878 (2019) (**FI**₂₀₂₃ = **1.3**) (**Q**_{FI} = **Q3**) (**AI**S₂₀₂₂ = **0.132**) (**Q**_{AIS = **Q3**)}
43. Metallo-supramolecular assemblies of dinuclear Zn(II) and Mn(II) secondary building units (SBUs) and a bent silicon dicarboxylate ligand, G.-O. Turcan-Trofin, M. Avadanei, S. Shova, A.a Vlad, M. Cazacu, M.-F. Zaltariov*, Inorg. Chim. Acta 483, 454–463, (2018)

44. ATR-FTIR and thermal behavior studies of new hydrogel formulations based on hydroxypropyl methylcellulose/poly(acrylic acid) polymeric blends, **M.-F. Zaltariov***, D. Filip, C.-D. Varganici, D. Macocinschi, *Cellulose Chem. Technol.*, 52 (7-8), 619-631, (2018)
45. Synthesis, structural characterization and properties of some novel siloxane-based bis-Schiff base copper(II), nickel(II) and manganese(II) complexes, A. Vlad, M. Avadanei, S. Shova, M. Cazacu, **M.-F. Zaltariov***, *Polyhedron* 146, 129–135, (2018)
46. Chloramphenicol-based poly(ester-ether)urethane bioconjugates with antibacterial properties for biomedical applications, D. Filip, D. Macocinschi, C. G. Tuchilus, S. Vlad, **M. F. Zaltariov**, C. D. Varganici, *Polym. Bull.* 75, 701-727, (2018)
47. Assessment of chemicals released in the marine environment by dielectric elastomers useful as active elements in wave energy harvesters, **M. F. Zaltariov**, A. Bele, L. Vasiliu, L. Gradinaru, N. Vornicu, C. Racles, M. Cazacu, *J. Haz. Mat.* 341, 390-403, (2018)
48. Development of new bexarotene-loaded mesoporous silica systems for topical pharmaceutical formulations, A. Vasile, M. Ignat, **M.- F. Zaltariov**, L. Sacarescu, I. Stoleriu, D. Draganescu, M. Dumitras, L. Ochiuz, *Acta Chim. Slov.* 65, 97–107, (2018)
49. In vitro evaluation of enamel surface treated with fluoride after bleaching and etching erosive processes, R. I. Vasluianu, N. C. Forna, E. R. Baci, **M. F. Zaltariov**, L. Vasiliu, A. Murariu, *Rev. Chim.* 69(7), 1714-1718, (2018)
50. A bis(μ -chlorido)-bridged Cobalt(II) complex with silyl-containing Schiff base as a catalyst precursor in the solvent-free oxidation of cyclohexane, **M.-F. Zaltariov**, V. Vieru, M. Zalibera, M. Cazacu, N.M. R. Martins, L. M. D. R. S. Martins, P. Rapta, G. Novitchi, S. Shova, A. J. L. Pombeiro, V. B. Arion, *Eur. J. Inorg. Chem.* 2017, 4324-4334, (2017)
51. Design, preparation and evaluation of HPMC-based PAA or SA freeze-dried scaffolds for vaginal delivery of fluconazole, C. A. Gafitanu, D. Filip, C. Cernatescu, D. Rusu, C. G. Tuchilus, D. Macocinschi, **M.-F. Zaltariov***, *Pharm. Res.* 34, 2185–2196 (2017)
52. Synthesis, structural characterization and antimicrobial activity of a new bis-azomethine with trimethylsilyl terminal groups, A. Vlad, M. Cazacu, N. Vornicu, S. Shova, **M.-F. Zaltariov***, *Rev. Roum. Chim.* 62(8-9), 661-667, (2017)
53. Siloxane-based metal–organic frameworks with remarkable catalytic activity in mild environmental photodegradation of azo dyes, C. Racles, **M. F. Zaltariov***, M. Iacob, M. Sillion, M. Avadanei, A. Bargan, *Appl. Catal. B*, 205, 78-92 (2017)
54. Unexpected co-crystallization of three species of Cu(II) complexes with different coordination geometry, **M.-F. Zaltariov**, S. Shova, *Rev. Roum. Chim.* 62(4-5), 419-424, (2017)
55. New iminodiacetate–thiosemicarbazone hybrids and their copper(II) complexes are potential Ribonucleotide Reductase R2 inhibitors with high antiproliferative activity, **M. F. Zaltariov**, M. Hammerstad, H. J. Arabshahi, K. Jovanovic, K. W. Richter, M. Cazacu, S. Shova, M. Balan, N. H. Andersen, S. Radulovic, J. Reynisson, K. K. Andersson, V. B. Arion, *Inorg. Chem.* 56(6), 3532-3549 (2017)
56. Anionic nylon 612/TiO₂ composite materials: synthesis, characterization and properties, G. Rusu, E. Rusu, **M. F. Zaltariov**, *J. Inorg. Organomet. Polym.* 27, 225-248 (2017)
57. The effect of ortho-phosphoric acid etching application on enamel surface ATR-FTIR and SEM studies, A. Murariu, **M.F. Zaltariov**, L. Vasiliu, A. Balan, C. Savin, L. M. Gavrilă, *Rev. Chim.* 68(4), 781-785 (2017)

58. Synthesis, structural characterization and quantum chemical studies of silicon-containing benzoic acid derivatives, **M.-F. Zaltariov***, C. Cojocaru, S. Shova, L. Sacarescu, M. Cazacu, *J. Mol. Struct.* 1120, 302-316 (2016)
59. Oxime-bridged Mn₆ clusters inserted in one-dimensional coordination polymer, **M.-F. Zaltariov**, M. Cazacu, L. Sacarescu, A. Vlad, G. Novitchi, C. Train, S. Shova, V. B. Arion, *Macromolecules* 49(17), 6163-6172 (2016)
60. New Zn(II) and Cu(II) complexes with in situ generated N₂O₂ siloxane Schiff base ligands, A. Vlad, **M.-F. Zaltariov**, S. Shova, M. Cazacu, M. Avadanei, A. Soroceanu, P. Samoila, *Polyhedron* 115, 76-85 (2016)
61. Metal-organic frameworks based on tri- and penta-nuclear manganese(II) secondary building units self-assembled by a V-shaped silicon-containing dicarboxylate, A. Vlad, **M.-F. Zaltariov**, S. Shova, G. Novitchi, C. Train, M. Cazacu, *RSC Adv.* 6, 37412-37423 (2016)
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