

List of publications

Articles published in journals indexed in the Web of Science database (ISI)

1. A. Nan, I. V. Ganea, R. Turcu, Physicochemical properties of a new magnetic nanostructure based on poly(benzofurane-co-arylacetic acid, *Analytical Letters*, 2017, <http://dx.doi.org/10.1080/00032719.2017.1400041> (impact factor 1.206)
2. A. Todea D. Aparaschivei V. Badea C. G. Boeriu F. Peter, Biocatalytic route for the synthesis of oligoesters of hydroxy-fatty acids and ε-caprolactone, *Biotechnology Journal*, 2018, 13(6), <https://doi.org/10.1002/biot.201700629> (impact factor 3.507)
3. C. Vasilescu, M. Latikka, K. D. Knudsen, V.M. Garamus, V. Socoliuc, Rodica Turcu, E. Tombácz, D.Susan-Resiga, R.H.A. Ras, L. Vékás, High concentration aqueous magnetic fluids: structure, colloidal stability, magnetic and flow properties, *Soft Matter*, 2018, acceptată spre publicare (impact factor 3.709).
4. A. Bunge, A. S. Porav, G. Borodi, T. Radu, A. Pîrnău, C. Berghian-Grosan, R. Turcu, Correlation between synthesis parameters and properties of magnetite clusters prepared by solvothermal method, *Journal of Materials Science*, 2018, în curs de evaluare (impact factor 2.993).

Studies presented at national and international conferences

1. R. Turcu, C. Vasilescu, A. Nan, T. Radu, I. Craciunescu, A. Petran, M. Cîrcu, A. Bunge, F. Peter, Magnetic nanostructures with functional coating specifically designed for immobilization of enzymes, *2nd World Congress & Expo on Materials Science and Nanoscience*, 2017 September 25-27, Valencia, Spania
2. C. Vasilescu, I. Benea, C. Paul, A. Todea, R. Turcu, F. Peter, Immobilization of lipase from *Candida antarctica* B by covalent binding onto magnetic supports, *New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection*, 10th Ed., June 08-09 2017, Timișoara, Romania.
3. A. Todea, D. Aparaschivei, I. Bîtcan, V. Badea, F. Peter, Bio-based polyesters synthesis by immobilized *Candida antarctica* B lipases, *17th Polymers and Organic Chemistry Conference*, 3-7 Iunie 2018, Palavas Les Flots, Franța, OC12, Prezentare orală.
4. C. Vasilescu, A. Todea, C. Paul , I.C. Benea, A. Nan, R. Turcu, F. Peter , New multilayer magnetic biocatalyst for esterification and transesterification reactions, *18th European Congress on Biotechnology*, 1-4 Iulie 2018, Geneva, Elveția, P1-19, *New Biotechnology*, 2018, Special Issue, <https://doi.org/10.1016/j.nbt.2018.05.885> .