

**Diseminarea rezultatelor – etapa a 3-a/2022**

**Articole ISI**

1. A.M. Brezoiu, A.M. Prelipcean, D. Lincu, M. Deaconu; E. Vasile, R. Tatia, A.M. Seciu-Grama, C. Matei, D. Berger, Nanoplatforms for irinotecan delivery based on mesoporous silica modified with a natural polysaccharide, *Materials* 2022, 15(19), 7003; <https://doi.org/10.3390/ma15197003>.
2. L.C. Miclea, M. Mihailescu, N. Tarba, A.M. Brezoiu, A.M. Sandu, R.A. Mitran, D. Berger, C. Matei, M.G. Moisescu, T. Savopol, Evaluation of intracellular distribution of folate functionalized silica nanoparticles using fluorescence and hyperspectral enhanced dark field microscopy, *Nanoscale*, 2022, 14, 12744-12756 (DOI 10.1039/D2NR01821G), <https://pubs.rsc.org/en/content/articlelanding/2022/nr/d2nr01821g>.

**Lucrare de disertație**

Simona IONIȚĂ – *lucrare de disertație - Compozite silice-biopolimer pentru transportul de agenți terapeutici, coordonator științific-Prof. Daniela Berger -sesiunea iulie 2022- UPB*

**Prezentări la conferințe**

1. M. Deaconu, S. Ioniță, I.C. Tivig, A.M. Brezoiu, C. Matei, M.G. Moisescu, D. BERGER, Targeted irinotecan delivery systems containing fucoidan coated mesoporous silica nanoparticles, 22<sup>nd</sup> Romanian International Conference of Chemistry and Chemical Engineering, RICCE 22, Sinaia 7-9 sept. 2022 (conferință invitată)
2. M. Deaconu, A.M. Prelipcean, A.-M. Brezoiu, M. Prundeanu, D. Lincu, R.A. Mitran, G. Grădișteanu-Pîrcălăbioru, C. Matei, D. Berger, Novel composites based on natural compounds for topical applications, The 6th edition of International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences – IC-ANMBES 2022, 8-10 iunie, Brașov, România.
3. L.C. Miclea, M. Mihailescu, N. Tarba, A.-M. Brezoiu, A. M. Sandu, R.-A. Mitran, D. Berger, C. Matei, M. G. Moisescu, T. Savopol, 3D reconstructions of intracellular distribution of folate functionalized silica nanoparticles using combined microscopy techniques (fluorescence, dark field and hyperspectral microscopy) – Conferința IC-ANMBES 2022, 8-10 iunie 2022, Brașov, Romania.
4. L.C. Miclea, M. Mihailescu, N. Tarba, A.-M. Brezoiu, A. M. Sandu, R.-A. Mitran, D. Berger, C. Matei, M. G. Moisescu, T. Savopol, Folate functionalized silica nanoparticles cellular uptake - localization and quantification in 3D reconstructions, Conferința Națională de Biofizică cu participare internațională, 23-25 septembrie 2022, Târgu-Mureș, Romania.