



Marin-Aurel Trofin

Research Assistant

Affiliation: Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania

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Education

-PhD Degree: Petru Poni Institute of Macromolecular Chemistry, 2020-2023. Supervisor: Dr. Marcela Mihai. Thesis: Zwitterionic materials with antimicrobial properties and/or drug delivery capabilities.

-Bachelor's and Master's Degree: Gr. T. Popa University of Medicine and Pharmacy, Faculty of Pharmacy, 2014-2019

Foreign languages

English: reading B2, writing B2, conversation B2, oral comprehension B2

Research topics

Crosslinked porous microparticles synthesis, via suspension polymerization, for biomedical applications.

Microparticles zwitterionic functionalization using various betainization agents and drug load-release studies. Synthesis of protein-microparticles complexes with enhanced biomedical properties.

Synthesis of zwitterionically functionalized gellan gum able to form gels and complexes with hydrophobic proteins.

Polysaccharide based hydrogels via photopolymerization.

Scientific research

Author and co-author of 3 ISI research articles (2 in Q1 zone, 1 in Q2 zone), 10 oral communications, 3 posters, member in 2 research grants, 11 citations (HI=2)

Visibility

<https://www.brainmap.ro/marin-aurel-trofin>; <https://orcid.org/0000-0002-8835-4158>;

<https://www.webofscience.com/wos/author/record/AGX-5803-2022>;

<https://www.scopus.com/authid/detail.uri?authorId=57226531368>.

Awards

- **Innovative Materials award** offered by the scientific committee during the NeXT-Chem Conference, 2023.
- **Sorin I Roșca award** offered by the Romanian Chemistry Society for the oral communication presented during the 3rd edition of Macroyouth – Scientific communications of young researchers, 2022.
- Best Young Scientist Poster award offered by Romanian International Chapter of American Chemical Society during the MacroIasi international conference, 2021.