



Timeea-Anastasia CIOBANU

PhD Student

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PhD thesis topic: *Polymer/enzyme biocatalysts for potential environmental and/or biomedical applications*, Coordinator: Dr. Habil Marcela MIHAI

Research topics

Synthesis and characterization of organic and inorganic compounds with therapeutic potential. Green synthesis of bioactive compounds for medical and environmental applications. Study of polymer/enzyme composite biocatalysts for biomedical and environmental applications. Knowledge in ultraviolet-visible spectroscopy, dynamic light scattering, Fourier-transform infrared spectroscopy, nuclear magnetic resonance (NMR) spectroscopy, and mass spectrometry, as well as basic experience with electrospinning. Testing of enzymatic activity or stability in various conditions. Testing of potential applications of polymer/enzyme composite biocatalysts in biomedical or environmental fields.

Visibility

<https://www.brainmap.ro/timeea-anastasia-ciobanu>

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Relevant results

- PhD student member in research project PN-IV-P1-PCE-2023-1545 PolyEnzIM starting from January 2025
- Participation with poster at the *IasiCHEM 2024 Conference*, 6th Edition
- Participation with poster at the *IasiCHEM 2023 Conference*, 5th Edition