



Alina-Petronela Moraru

PhD Student

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PhD thesis topic: *Hybrid nanostructured materials based on natural macromolecules and metal ions/nanoparticles*, Coordinator: Dr. Habil Marcela MIHAI.

Research topics

Synthesis and characterization of substances with medicinal action. Extraction of active principles and their use in cosmetic or pharmaceutical preparations. Knowledge in application of standardized methods for determining the microbiological contamination of cosmetic products (microbial load tests, identification of microorganisms). Synthesis and characterization of ion exchangers (e.g., cationic/anionic/amphoteric ion exchangers). Trained to use the following instruments: UV-Vis measurements; Transform Infrared Spectroscopy (FTIR), and knowledge in characterization methods using Nuclear Magnetic Resonance Spectroscopy (NMR) and X-Ray Diffraction (XRD).

Visibility

<https://www.brainmap.ro/alina-petronela-moraru>

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