



## **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 of the 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 ion exchangers). Characterization methods employed in our studies are: Nuclear Magnetic Resonance Spectroscopy (NMR), Fourier Transform Infrared Spectroscopy (FTIR), UV-measurements, Mass Spectrometry, X-Ray Diffraction (XRD).

### **Visibility**

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