

Dr. Mărușă-Elena IGNAT, Post-Doc

Scientific Researcher: 2009 – "Petru Poni" Institute of Macromolecular Chemistry (ICMPP);

1996 – 2009: Gymnasium / College Teacher (Suceava); Associate Assistant / Lecturer, Faculty of Chemistry, "Alexandru Ioan Cuza" University (UAIC); Research Assistant, ICMPP

Education: 2007: PhD Chemical Engineering, "Gheorghe Asachi" Technical University (UTI); 2000: MBiochem Enzymology and Biotechnologies, UAIC; 1998: Permanent Teaching Certificate "Definitivat" Chemistry; 1996: BSc Technological Biochemistry, UAIC.

Educator: 5+ years of academic teaching (Analytical Chemistry, Biochemistry)

Project experience: 10+ participations –Team member

International and national conferences/symposia: 20+ presentations

Sumer/Autumn School: Biologie et pathologie moléculaires. Biotechnologie, Iasi, Romania (1999); Biomaterials - Current Trends and Prospects, Busteni, Romania (2011)

Expertise fields: Theoretical and applied Enzymology, Analytical chemistry, Natural polymers, Polymer blends and composites, Polymer degradation, Metal-based nanoparticles.

Scientific achievements: Degradation, modification and applicative studies on lignin and polyphenolic compounds; development of new systems for incorporation and controlled release of biological active compounds, dyes adsorption onto natural materials, enzyme immobilization, synthesis and characterization of various polyurethane-based materials, enzymatic and biomimetic catalysts, functionalized metal-based nanoparticles. 20 publications, 1 book chapter, 1 patent; h-index (Google Scholar): 6, i10 index: 6, Number of citations: >260.