

Dr. Leonard IGNAT, Post-Doc

Scientific Researcher: 2010 – “Petru Poni” Institute of Macromolecular Chemistry (ICMPP);

1999 – 2010: Research Assistant, ICMPP

Education: 2009: PhD Biochemistry, “Alexandru Ioan Cuza” University (UAIC); 2000: MBiochem Enzymology and Biotechnologies, UAIC; 1996: BSc Technological Biochemistry, UAIC

Post-doctoral fellowship: ICMPP 2010-2013

Visiting Researcher: Changchun Institute of Applied Chemistry (China) 2000, Technical Universität Braunschweig (Germany) 2012.

Project experience: Manager – 1, Team member – 16

International and national conferences/symposia: 20+ presentations

Winter/Summer Schools & workshops: – Green Chemistry, Göttingen, Germany (2011) – Biomaterials, Krems, Austria (2011) – Trends in the synthesis and characterization of advanced materials for applications in biology and medicine, Timisoara, Romania (2011) – Bioactive / biocompatible polymeric materials, Zabrze, Poland (2011)

Expertise fields: Theoretical and Applied Enzymology, Biotechnology, Macromolecular Chemistry, Bioconjugate Chemistry, Metal-based nanoparticles, Structural and morphological data analysis of materials.

Scientific achievements: Synthesis and characterization of various polyurethane-based materials; development of new systems for incorporation and controlled release of biological active compounds, enzyme immobilization, enzymatic and biomimetic catalysts, synthesis and catalysis with metal-based nanoparticles; degradation, modification and applicative studies on lignin and lignin derivatives; implementation of green chemistry alternatives in synthesis and catalysis. 16 publications in ISI indexed journals and 6 book chapters, h-index (Google Scholar): 7, i10 index: 6, Number of citations >250.