

CS III Liliana ROSU, Senior Researcher

Positions: **2008-present:** Senior scientist, 3rd degree, “Petru Poni” Institute of Macromolecular Chemistry, Iasi, Romania, Department: Advanced Research Center for Bionanoconjugates and Biopolymers; **2006-2008:** Senior scientist, “Petru Poni” Institute of Macromolecular Chemistry, Iasi, Romania, Department: Polymeric Materials; **1999-2006:** Research assistant, “Petru Poni” Institute of Macromolecular Chemistry, Iasi, Romania, Department: Polymeric Materials; **1997-1999:** Chemical Engineer, “Petru Poni” Institute of Macromolecular Chemistry, Iasi, Romania, Department: Polycondensation

Education: **2003:** PhD, Title: New multi-component polyurethane materials. Relations: Structure-Morphology-Properties, “Gh.Asachi” Technical University, Iasi, Romania

Memberships of scientific societies: **2000-present:** Member of the Romanian Chemical Society and treasurer branch of Iasi

Project manager: CNCSIS Program Young teams, **2001 -2005;** Mobility project: **2019.**

Scientific Interests: Thermal degradation of polymers; synthesis and characterization of phenolic, epoxy and vinyl ester resins; interpenetrating polymer networks; photodegradation of polymers.

Summer Schools: Sustainable composite materials for improving the quality of life”, **2006** Constanta, “Ovidius” University, Course: New aspects on multifunctional composites based on epoxy resins and Member of the organizing committee of the Summer School

Scientific achievements: Synthesis and characterization of thermoreactive resins (phenolic, epoxy and ester-vinyl); Synthesis and characterization of interpenetrated polymeric networks; Compatibility of polymer materials; Kinetics of crosslinking processes; Thermal behavior of polymers and polymer mixtures; Photochemical behavior and photodegradation of polymeric materials, Life time prediction materials; protective coatings for wood against mold.

Recent researches regarding polymers aging under light, especially UV radiation from the solar spectrum, as well as polymers stabilization at the UV radiations.

50 publications in national and international journals, **8** book chapters, **37** Papers published in volumes at scientific events, **16** research projects national and international, of which: **3** project manager; international impact/ recognition in the field is reflected by: h-index (Scopus): **15**, Number of citations: **716**.