

**Team leader of P2 team: [CS I Dr. Ioan CIANGA](#)**

**Positions:** **2015- present: Senior Researcher I**, "P. Poni" Institute Macromolecular Chemistry Iasi, Romania (PPIMC); **2011-2013: Long-term scientific expert** in the "Cristofor I. Simionescu" Postdoctoral Fellowship Programme (POSDRU/89/1.5/S/55216); **1989-1998, 1988-2007, 2007 – 2015: Researcher, Senior Researcher III/ Senior Researcher II at PPIMC; 1986-1989: Chemical Engineer**, Polyamide Fibers Plant, Roman, Romania;

**Education:** **1998: Ph.D Macromolecular Chemistry**, PhD thesis: *New Researches in the Field of Carbo- and Heterocatenar Conductive Polymers*, supervisor: Prof. Dr. Cristofor I. Simionescu, Romanian Academy; **1986: BSc Chemical Engineering**, supervisor: Prof. Dr. Cristofor I. Simionescu, "Gh. Asachi" Polytechnic Institute, Iasi.

**International conferences:** **115+** contributions at international and national scientific manifestations

**Fellowships:** **2010, 2015-2016:** „Visiting Senior Scientist” fellowship, awarded by TUBITAK-Turkey, Istanbul Technical University; **2000 – 2001:** NATO fellow, awarded by The Scientific and Technological Research Council of Turkey (TUBITAK), Istanbul Technical University.

**Scientific Results:** The scientific results were published in **more than 118 scientific papers** in international journals (**83 papers in journals indexed in ISI WoS**); **1 book; 8 book chapters**. The international recognition in the field is reflected by: **Hirsch factor** (according to All data base Clarivate Analytics and Scopus): **25**, **Number of citation** (WoS, independent citations) **1300**.

**Research contracts:** **Project manager:** **4** national grants; **Co-investigator:** **9** national grants; **Scientific advisor** in **1** national grant (for an young PhD student - details in Section B3.3).

**Award and Honours:** **2006:** Excellency Award of Romanian National Foundation for Science and Art; **1996:** "Nicolae Teclu" Award of Romanian Academy of Science;

**Expertise fields:** synthesis and application of conjugated polymers, controlled polymerization Methods (ATRP, ROP); synthesis of polymers with designed architectures (comb, graft, star, cylindrical polymer brushes) and low molecular weight organic compounds used as intermediate, catalysts, initiators or monomers; electroactive and semiconducting polymers for electro-optical and bio-applications; structural, morphological, thermal, photophysical characterization of low molecular weight organic compounds and polymers.

**Scientific achievements** are **centered on semiconducting, conjugated polymers (CPs)**, for various applications, with recent emphasis on CPs bioapplications. These range from multifunctional platforms for cells imaging and diagnosis (*Biomacromolecules*, 2013, *RSC Adv.* 2014) to electroactive and biocompatible scaffolds for tissue engineering (*Polym. Chem.* 2015, *J. Polym. Sci. Part B-Polym Phys.* 2015). Concerning to biomaterials integration with biocompatible non-conventional electronics, notable latest results are referring to construction of electrochemical sensors for detection of abused drugs (*Polym. Chem.* 2016, *Talanta* 2016, *Sensors Actuat. B-Chem.* 2017) or neurotransmitters (*Polym. Chem.* 2017, *Polym. Chem.* 2018). Recognized pioneering works related to the combination of controlled polymerization routes (ATRP, ROP) with those

specific for CPs, allowing the access to rod-coil CPs "hairy-rod" architecture (*Prog. Polym Sci.* 2004), could be mentioned, as well.