

## Dr. Sorin-Alexandru IBANESCU, Post-Doc

**Scientific Researcher:** **2016** – “Petru Poni” Institute of Macromolecular Chemistry (ICMPP); **2010 – 2014:** Research and teaching assistant, École Polytechnique Fédérale de Lausanne (EPFL); **2007 – 2010:** Research assistant, ICMPP; **2006 – 2007** Research technician, ICMPP

**Education:** **2015:** PhD Science, EPFL; **2008:** MSc Polymeric Biomaterials, “Gheorghe Asachi” Technical University of Iasi (UTI); **2007:** BSc Engineering and Chemistry of Macromolecular Compounds, UTI

**Post-doctoral fellowship:** ICMPP 2016-present

**Visiting Researcher:** Infection Biology, Department of Biomedicine, University and University Hospital Basel (Switzerland) 2011

**Project experience:** Manager – 1, Team member – 9

**International and national conferences/symposia:** 12+ presentations; 9+ posters

**Winter/Summer Schools & workshops:** – QCM-D Training Course, Biolin Scientific, Gothenburg, Sweden, (2018) – CCMX Summer School – Characterization of Materials, Lausanne, Switzerland (2011)

**Expertise fields:** Macromolecular Chemistry, Surface Modifications, Nanostructured Hybrid Material Preparation, Surface Characterization of Hybrid Materials, Rheological Properties of Polymers.

**Scientific achievements:** synthesis of polymers by control radical polymerization; surface modification of materials; preparation of different nanoparticles suspensions and their modification with polymers, organic compounds and biomolecules; organic synthesis of monomers, polymerization initiators, etc.; characterization of polymer brushes; ELISA testing and bacteria adhesion tests; user of instrumental techniques such as QCM-D, AFM, NMR, FTIR, UV-Vis, XPS, Ellipsometry, HPLC, WCA, DLS, TGA, DSC, DMA and Rheometry.

9 publications in ISI indexed journals and 1 book chapters, 2 e-books, h-index (SCOPUS.): 4, Number of citations >70.