**Dr. Adina ARVINTE, Senior Schientist**

**Scientific researcher: 2011-present** - "Petru Poni" Institute of Macromolecular Chemistry, Iasi (Romania); **2007–2009:** scientific researcher, Laboratory for quality control and process monitoring- LaborQ", University of Bucharest (Romania)

**Education: 2003-2009:** PhD in Chemistry, Faculty of Chemistry, Univ. of Bucharest (Ro); **2001-2003:** Master (Biosensors), Faculty of Chemistry, Univ. of Bucharest (Ro); **1997-2001:** Bachelor (Biochemistry), Faculty of Chemistry, Univ. of Bucharest (Ro)

**Fellowships:** research scholarship, Centre of Phytopharmacy, University of Perpignan, **France (2002)**; Socrates/Erasmus scholarship, University of Perpignan, **France (2003)**; research scholarship, Department of Science and Chemical Technology, University Tor Vergata Roma, **Italy (November 2006 and October 2007)**; research period, Laboratory of Biotechnology, Sotkamo, University of Oulu, **Finland (November - December 2007)**; training activities, NATO Advanced Study Institute on Chemicals as Intentional and Accidental Global Environmental Threats, Borovetz, **Bulgaria (November 2005)**

**Post-doctoral stays:** Laboratory of Biotechnology, Sotkamo, University of Oulu (Finland) **2009-2010**; "Petru Poni" Institute of Macromolecular Chemistry, Iasi (Romania) **2010 – 2013**

**Research mobility:** Laboratory CEMIS-OULU, University of Oulu, Sotkamo, Finland, **2013**; Imperial College London, UK, mobility project PN-III-P1-1.1-MC-2017-2031, **2018**; Unit of Measurement Technology at the University of Oulu, Kajaani, Finland, **2018**

**Expertise fields:** electrochemistry, electroanalysis, spectroelectrochemistry; electrosynthesis of metal nanoparticles and polymers by electrodeposition and electropolymerization techniques; composite materials; electrochemical sensors and biosensors

**Awards:** I. G. MURGULESCU prize of Romanian Academy in the field of chemical science, **2014**, for papers published under thematic "Electrochemical characterization of materials/Development of new electrochemical sensors with applications in various fields"

**Reviewer** for journals: Electroanalysis, Pest Management Science, Journal of Solid State Electrochemistry, RSC Advances, New Journal of Chemistry, Analyst, Analytical Methods, Journal of Applied Electrochemistry, Materials, Molecules.

**Scientific achievements:** development of new sensors with high performance for food analysis (detection of acetaldehyde, lactic and malic acid, carbohydrates), for clinic analysis (insulin, hydrogen peroxide, dopamine, glucose) and for toxic compounds (pesticides, aflatoxines, heavy metals); Author and coauthor of 32 scientific publications, 29 ISI indexed, 2 book chapters; 44 participation at national and international conferences; international impact/recognition in the field is reflected by H-index: 13 (Web of Science ISI, August 2019); Number of citations >460