

PERSONAL INFORMATION

Olaru Mihaela Adriana



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Sex female | Date of birth 11/11/1968 | Nationality Romanian

WORK EXPERIENCE

- 2000 – 2004 - Research Assistant, “Petru Poni” Institute of Macromolecular Chemistry, Iasi (ICMPP)
- 2004 – 2009 - Scientific researcher, “Petru Poni” Institute of Macromolecular Chemistry, Iasi (ICMPP)
- 2009 – present - Scientific researcher III, Institute of Macromolecular Chemistry “Petru Poni”, Iasi (ICMPP)

Research activity - nanostructured materials for applications in the field of antibacterial/antimicrobial/protective coatings or electroluminescent materials, characterization of pigments and painting materials used by some of the most famous Romanian painters (Nicolae Grigorescu, Stefan Luchian, Teodor Aman), characterization and determination of the firing temperature of ceramic artefacts from Cucuteni period, study of photochemical processes (photoisomerization, laser ablation, grafting), micro (nano) structuring of surfaces exposed to excimer laser irradiation, synthesis and study of the photophysical behavior of ionic polyurethanes with different specific functional groups, fluorescent polymers for sensor applications, kinetics of photochemical reactions in solution and solid state, photopolymers with oximo-urethane groups for applications in microlithography.

Experience in synthesis and interpretation of experimental data: FTIR spectroscopy, nano-FTIR, ¹H-NMR, ¹³C-NMR, ²⁹Si-NMR, UV-vis and photoluminescence, atomic force microscopy, transmission electron microscopy, electron scanning microscopy, X-ray diffraction a.s.o.

Reviewer for a number of scientific journals (Analytica Chimica Acta, Biomacromolecules, Chemical Engineering Journal, Coatings, e-Polymers, International Research Journal of Pure and Applied Chemistry, Journal of Materials Chemistry B, Materials Chemistry and Physics, Nanomaterials, Molecules, Reactive and Functional Polymers, RSC Advances, Applied Science, Bioengineering, Journal of Imaging, Microchemical Journal a.s.o.)

EDUCATION AND TRAINING

- 2000 – 2005 - Ph.D. in Chemical Engineering, “Gh. Asachi” Technical University, Iasi
- 1995 – 1996 - Postgraduate Diploma in Biochemistry, “Gr. T. Popa” University of Medicine and Pharmacy, Iasi
- 1995 - Degree in Organic Chemistry Technology, “Gh. Asachi”, Technical University Iasi, Romania

Communication skills

- Communication skills and teamwork, high capacity for work, willingness to learn new things, active listening and counseling skills, ability to mediate interpersonal relationships, **adaptability and flexibility**

Organisational / managerial skills

(a) experience in project management: project coordinator for (i) "Laboratory for the study of polymer photochemistry using excimer lasers", acronym: LASERLAB, project Capacities no. 83/Cp/14.09.2007, 2007 - 2009, total project value: 2,000,000 RON, <http://nippon-iasi.ro/projects.html> and (ii) "Discover Europe - Romanian mobility center initiative to support ERA-MORE", FP7 - PEOPLE-2007-5-3-ERA-MORE, Contract no. 221897, 2008 - 2011, total project value: 176,520 Euro, ICMPP value: 38,399 Euro, http://cordis.europa.eu/project/rcn/88071_en.html; (b) project manager for "European Social Fund - Cristofor I. Simionescu Postdoctoral Fellowship Program", POSDRU Contract 89/1.5/S/55216, 2010 - 2013, total project value: 19,486,466 lei, <http://postdoc.icmpp.ro/index.html>; (c) director ICMPP partner for "Innovative interactive artistic mediation system designed for the capitalization of the art patrimony of Romanian museums" (SIMAP) project, PN-II-PT-PCCA-2013-4-2158, 2014 - 2017, total project value: 1.029.387,00 lei, ICMPP value: 86.520,01 lei, <http://www.arteiasi.ro/simap/>.

Job-related skills

- laboratory techniques and experience in organic and polymer chemistry, ability to organize and interpret scientific data, understanding and rendering complex technical information, proficiency with scientific instruments and computers, experience in writing and project management
- ability to coordinate and organize the activity, ability to plan effectively, ability to delegate assignments, proper time management, multitasking, ability to work under pressure
- ability to integrate in other groups abroad (May-July 2002, Düsseldorf, Germany, Prof. Helmut Ritter's group, Socrates Scholarship; February-July 2005, Zabrze, Poland, Prof. Zbigniew Jedlinski's group, Marie-Curie Scholarship, BIOMAHE Project)

ADDITIONAL INFORMATION

- Scientific experience embodied in over 40 papers (36 - Web of Science Core Collection; one article was included in the Hot Article 2015 web collection for Journal of Materials Chemistry B journal), 1 book and 5 chapter books published in national/international publishing houses, 20 national conferences, 2 invited lectures at international conferences
- h-index – 11, Web of Science ResearcherID: G-4719-2011