Curriculum Vitae

OANA-IULIANA NEGRU (previous name IRIMIA)
E-mail: negru.oana@icmpp.ro

Personal information:
Date/place of birth: 10.11.1985/Husi, Vaslui, Romania
Nationality: Romanian; Gender/Status: Female/Married

Research interests: Synthesis, characterization and functionalization of homogeneous silicon and polymer nanoparticles; Synthesis of multifunctional Janus type polymeric nanoparticles; Preparation of Pickering emulsions and their polymerization; Determination of the surface energy of nanoparticles.

Education and training:

2009–2013	**PhD Degree in Chemistry,** Thesis title: *Studies on the synthesis of polymers with chromophore groups by controlled radical polymerization*", Romanian Academy, "Petru Poni" Institute of Macromolecular Chemistry, Iasi, Romania, October 2013, Supervisor: dr. Mircea Grigoraș
2008–2009	**Master Degree** in Chemistry, Faculty of Chemistry Engineering and Environmental Protection, "Gheorghe Asachi" Tehnical University, Iasi, Romania, Title of the thesis: *"Capturing carbon dioxide absorption in ionic liquids"* Supervisor: Prof. dr. Ilie Siminiceanu
2004–2008	**Bachelor in Chemistry,** Faculty of Chemistry, "Alexandru Ioan Cuza" University, Iași, Romania**,** Title of the thesis: *"Ion exchange chromatography"*, Supervisor: Lect. dr. Adriana Bârsănescu

Professional experience:

11.2013 – present	**Researcher assistant,** Electroactive Polymers and Plasmochemistry Departament, "Petru Poni" Institute of Macromolecular Chemistry, Iasi

Work experience
2011-2016 - Project team member, No. 148/2011, PN-II-ID-PCE-2011-3-0274, "*Novel conjugated polymer structures for high efficiency all-organic solar cells*"

Sciencific contribution
- 11 articles published in ISI-index journals as principal author or co-autor
- 11 participation at national and international scientific meetings (oral presentations and posters),
- member in 1 research projects

Visibility:
- 47 citations (38 excluding self-citations)
- Hirsch-index = 5
(according to ISI Web of Science Core Collection, MAY 2021)

Other relevant information
- Foreign languages: English
- Experimental skills in organic synthesis
- Knowledge to independently use some equipment necessary for the characterization of organic materials: NMR, FTIR, UV-Vis, Fluorescence and Cyclic Voltammetry

Computer skills
Microsoft Office, Origin, Mestrec, Chem Draw, ACD Lab, ISIS Draw

Social/organisational skills and competences
- Good communication skills
- Balanced, creative and meticulous personality
- Speed in assimilating new knowledge
- Good organizational skills to prepare the experimental tasks and objectives of projects

Representative publications:

Synthesis of star poly(N-vinylcarbazole) by microwave-assisted reversible addition-fragmentation chain transfer polymerization (RAFT), M. Grigoras, O.I. Negru, Polymers, **2012**, 4, 1183-1194;

Electrogenerated networks from poly[4-(diphenylamino)benzyl methacrylate] and their electrochromic properties, O. I. Negru, L Vacareanu, M. Grigoras, eXPRESS Polymer Letters, **2014**, 8, 647-658;

Indolo[3,2-b]carbazole-based poly(arylene vinylene)s. The influence of substitution on spectroscopic and electrochemical properties, O.I. Negru, A.M. Solonaru, M. Grigoras, Polymer International, 2016, 65, 1449-1457;

Synthesis and properties of copolyarylenes containing indolo[3,2-b]carbazole moieties in backbone, O.I. Negru, M. Grigoras, Journal of Polymer Research, 2019, 26: 30.