

Dr. Ciobanu (married Iftime) Manuela Maria– Scientific Researcher

“Petru Poni” Institute of Macromolecular Chemistry, Iasi, Romania

Personal information

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Education

Ph.D. in Chemistry in 2014, “Petru Poni” Institute of Macromolecular Chemistry, Iasi, Romania, thesis title: “Synthesis and study of aromatic polysulfones for high performance applications”

M. Sc. in Chemistry in 2008, “Al. I. Cuza” University, Iasi, Romania, Specialization: “Biochemistry and Chemistry of Heterocyclic Compounds”

B.Sc. in Chemistry in 2006, “Al. I. Cuza” University, Iasi, Romania, Faculty of Chemistry, Specialization: “Biochemistry technique”

1998 – 2002 - Chemistry High School in Botosani, Romania

Career/Employment

2017 – Present, *Scientific Researcher* in the Department of Polycondensation and Thermostable Polymers, “Petru Poni” Institute of Macromolecular Chemistry, Iasi, Romania

2016 – 2017, *Research Assistant* in the “Petru Poni” Institute of Macromolecular Chemistry, Iasi, Romania

2015 –2017, *Postdoctoral fellowship* in the framework of the project „Multifunctional dynamic hydrogels with tuned morphology for biomedical applications”, PN-II-RU-TE-2014-4-2314

Research activity

Scientific papers in the domain of Schiff base derivatives (low molecular weight compounds and polymers), aromatic polysulfones and chitosan based materials. Experience in synthesis and experimental data analysis (Infrared Spectroscopy, Proton Nuclear Magnetic Resonance, Ultraviolet Spectroscopy, Photoluminescence Spectroscopy, Polarized Light Microscopy, Differential Scanning Calorimetry, Small and Wide Angle X-ray Diffraction, Thermogravimetric Analysis, Atomic Force Microscopy, Scanning Electron Microscopy, so on). Experience with the above experimental equipments.

11 ISI papers; **11** oral presentations; **2** book chapters