

Curriculum Vitae

Ana-Maria Solonaru (previous name Catargiu)

E-mail: solonaru.anamaria@icmpp.ro

Personal information:

Date/place of birth: 04.12.1982/Gura-Humorului-Suceava, Romania

Nationality: Romanian; Gender/Status: Female/Married

Occupational field: *conductive surfactants, Pickering emulsion, Janus nanoparticles.*

Education and training:

- **2007-2011 PhD in Chemistry**, PhD title thesis: "Contributions to the study of polyaniline and composite materials" Romanian Academy, "Petru Poni" Institute of Macromolecular Chemistry, Iasi, PhD Coordinator: Dr. Mircea Grigoras.
- **2005-2007 Master Degree**, Section "*Enzymology and biotechnology*", "Al. I. Cuza" University, Faculty of Chemistry, Iasi, Romania.
- **2001-2005 Bachelor Degree**, Section "*Chemistry and Physics*", "Al. I. Cuza" University, Faculty of Chemistry, Iasi, Romania.

Current position:

- **Scientific Researcher**, Romanian Academy, "Petru Poni" Institute of Macromolecular Chemistry, Iasi, Electroactive Polymers and Plasmochemistry Laboratory

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*"
- **2009-2011 - Project team member**, No.649/2009, PN II-IDEI 993/2008"*Organic and Hybride Conducting Materials, Nanostructures, for Multifunctional Application*"

Scientific contribution:

- 22 publications (20 in ISI journals and 2 in proceedings of scientific meetings, 6 as first author)

- 1 book (as co-author)
- 30 participations at national and international scientific meetings (15 oral presentations and 15 posters).

Scientific visibility:

- **H-index: 7** (according to ISI Web of Science, cumulative, Solonaru AM* or Catargiu AM*)
- **Sum of the times cited:** 134 citations (121 excluding self-citations) (according to ISI Web of Science, May 2021).

Other relevant information:

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

Representative publications

1. Self-doped N-propansulfonic acid polyaniline-polyethylene terephthalate film used as active sensor element for humidity or gas detection; A. M. Solonaru, M. Grigoras, I. Petrila, F. Tudorache; *J.Appl. Polym. Sci.*, 2019, 136 (27), 47743-1-7.
2. Water soluble polyaniline/graphene composites as materials for energy storage applications, A. M. Solonaru, M. Grigoras, *eXPRESS Polym. Lett.*, 2017, 11, (2), 127-139.
3. A comparative study of optical and electronic properties of arylenevinylene and aryleneethynylene polymers containing 2,7 and 3,6 disubstituted carbazole units, A. M. Catargiu, M. Grigoras, *Rev. Roum. Chim.*, 2014, 59, (11-12), 1071-1077.