

PERSONAL INFORMATION

IULIANA STOICA

📍 IASI (Romania)

📞 (+40)765714408

✉ stoica_iuliana@icmpp.ro

Gender Female | Date of birth 19 Jun 1981 | Nationality Romanian

WORK EXPERIENCE

01/07/2019–Present

Scientific researcher in physics

"Petru Poni" Institute of Macromolecular Chemistry, Department of Physical Chemistry of Polymers, Atomic Force Microscopy laboratory
Aleea Grigore Ghica Voda, 41A, 700487 Iasi (Romania)
www.icmpp.ro

- modification of polymer surfaces (by lithography, mechanical structuring, plasma treatment, UV irradiation, laser irradiation) and complete characterization of the resulting nanostructures
- use and maintenance of atomic force microscope (AFM) device
- teaching courses and laboratories specific to the research field, for students and MA students
- organizing and carrying out, on request, training sessions within the laboratory

01/11/2010–01/07/2019

Research assistant

"Petru Poni" Institute of Macromolecular Chemistry, Department of Polymer Materials Physics, Atomic Force Microscopy laboratory
Aleea Grigore Ghica Voda, 41A, 700487 Iasi (Romania)
www.icmpp.ro

EDUCATION AND TRAINING

2020–2021

Postdoctoral researcher

EQF level 8

L'Oréal - Unesco National Postdoctoral Fellowship Program "For Women in Science"

"Petru Poni" Institute of Macromolecular Chemistry, Department of Polymer Materials Physics, Iasi (Romania)

- research topic: "Patterned polyimides: an alternative to conventional support materials used in current flexible electronic devices"

2014–2015

Postdoctoral researcher

EQF level 8

POLITEHNICA University of Bucharest, Faculty of Applied Chemistry and Materials Science, Department of Bioresources and Polymer Science, Bucuresti (Romania)

- research topic: "Three-dimensional micro- and nanostructures induced on polymeric films optimized for optoelectronic and biomedical applications"
- coordinator: prof. univ. dr. ing. Dan Sorin Vasilescu

2006–2011

Doctoral studies - PhD

EQF level 8

"Petru Poni" Institute of Macromolecular Chemistry, Department of Polymer Physics and Structure, Laboratory of Atomic force microscopy, Iasi (Romania)

- PhD thesis: "Atomic force microscopy applied to the study of polymers"
- coordinator: dr. Virgil Bărbu, CSI

2008–2009

Master's degree, specialization: Polymeric biomaterials

EQF level 7

Technical University „Gh. Asachi ", Faculty of Chemical Engineering and Environmental Protection" Cristofor Simionescu ", Iasi (Romania)

- dissertation paper: "AFM studies on the nano-structuring capacity of some rigid or flexible chain azopolymers"
- coordinator: prof. univ. dr. Nicolae Hurduc

- 2004–2006 **Master's degree, specialization: Physiotherapy and medical recovery by physical methods** EQF level 7
 "Al.I.Cuza" University, Faculty of Physics, Department of biophysics and medical physics, Iasi (Romania)
 - dissertation paper: "Making a device used to monitor tissue bioelectric activity"
 -coordinator: prof. univ. Dr. Tudor Luchian
- 2000–2004 **University studies, Specialization: Medical physics** EQF level 6
 "Al.I.Cuza" University, Faculty of Physics, Iasi (Romania)
 - Diploma paper: "Estimation of effective doses in diagnostic radiology"
 -coordinators: Ph.D. Olga Jacob and prof. Univ. Dr. Erzilia Lozneau
- 1996–2000 **High-school studies** EQF level 4
 "Grigore Cobălcescu" Technical College, Moinesti, Bacau (Romania)
 - profile: mathematics-physics

PERSONAL SKILLS

Mother tongue(s) Romanian

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
French	B2	B1	A2	A2	A2
Italian	A2	A2	A2	A2	A2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
 Common European Framework of Reference for Languages

- Communication skills**
- good communication skills, relationships skills, receptivity and ability to adapt to new situations, gained through my experience as researcher in AFM laboratory
 - excellent socializing skills with people gained through my experience as participant/presenter at courses, conferences, training sessions
 - ability to work in a team gained through my experience as key expert in national and international projects
- Organisational / managerial skills**
- good organisational skills gained as member of the organizing committee for the Session of scientific communications PROGRESSES IN SCIENCE OF ORGANIC AND MACROMOLECULAR COMPOUNDS in 2007, 2009, 2011, 2013 and member of the program committee for the International Conference in Photonics, Optics and Laser Technology in 2014, 2015, 2017 and 2019
 - good skills of analysis, assistance, coordination and planning acquired as a member in various research teams
- Job-related skills**
- modification of polymer surfaces (by lithography, mechanical structuring, plasma treatment, UV irradiation, laser irradiation) and complete characterization of the resulting nanostructures
 - skills in morphological, spatial and functional characterization of a wide range of polymers, copolymers, polymeric composites, polymeric mixtures, alloys and evaluation of local physical properties (adhesion, elasticity) using atomic force microscope (AFM)
 - mentoring skills (as researcher in AFM field, I was responsible for the training of students)
 - ability to disseminate the research results by developing and writing scientific articles (over 105 ISI articles) and presenting oral communications and posters at specialized conferences

Digital skills	SELF-ASSESSMENT				
	Information processing	Communication	Content creation	Safety	Problem-solving
	Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Digital skills - Self-assessment grid

- good knowledge in using AFM image acquisition and processing softwares: Nova software, Image Analysis P9 3.5.0.2071, WSxM, SPIP, n-Surf, Gwyddion, CyberView Image, Glade, TrueMap, TrueSurf, TrueRound, Mountains Map
- good knowledge in using molecular modeling softwares: HyperChem, ChemDraw Ultra and Chem3D software ultra
- good command of the Office package (word processor, spreadsheet, presentation software)
- good knowledge of photo editing

ADDITIONAL INFORMATION

- 105 ARTICLES PUBLISHED IN EXTENSO IN RECOGNIZED INTERNATIONAL JOURNALS (ISI RATED)
- 7 ARTICLES PUBLISHED IN EXTENSO IN PROCEEDINGS OF INTERNATIONAL CONFERENCES (ISI INDEXED)
- 6 ARTICLES PUBLISHED IN EXTENSO IN SCIENTIFIC NATIONAL JOURNALS RECOGNIZED BY CNCSIS (B +)
- 5 BOOK CHAPTERS
- 3 EDITED BOOKS
- 1 NATIONAL PATENT UNDER EVALUATION
- 9 RESEARCH PROJECTS (AS A MEMBER)
- 2 POSTDOCTORAL FELLOWSHIPS GAINED THROUGH NATIONAL COMPETITION
- 22 COMMUNICATIONS PRESENTED AT INTERNATIONAL SCIENTIFIC CONFERENCES

Hirsch Index (Web of Science Core Collection) 16;

Hirsch Index (SCOPUS) 17;

Hirsch Index (Google Scholar) 18

UEFISCDI ID (UEF-iD): U-1700-036E-5097; <https://www.brainmap.ro/iuliana-stoica>

Research Gate profile link: <https://www.researchgate.net/profile/Iuliana-Stoica>

ORCID profile link: <https://orcid.org/0000-0002-6792-9581>

Scholar Google profile link:

https://scholar.google.com/citations?hl=ro&user=0e74QOcAAAAJ&view_op=list_works&gmla=AJsN-F6Ajj2EQE2TsQOxMhNg3gYIyCR99C-UdK39sRSXVv1RhyfMmnZFIxfQIhx6j_E4DD77nv3AhfIIS3RrgdCi-PFRzww