


PERSONAL INFORMATION

CRISTINA MARIA HERGHILIGIU (PĂIUȘ)

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WORK EXPERIENCE

2016 – present **Assistent lecturer**

Natural and Synthetic Polymers, "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection, Gheorghe Asachi Technical University of Iași, Romania

- *Didactic activity:*
 Bachelor study programs: Organic Chemistry, Biochemistry, Practice (II year)
 Master's study programs: Supramolecular Chemistry, Biomaterials, Research Strategy

2010 - 2013 **Research assistant**

Technical University "Gheorghe Asachi" from Iași
 Research contract "Photosensitive azopolymers for biological applications (BIO-AZO)", CAPACITIES MODULE III C1-01/2010 (BIO-AZO)

EDUCATION AND TRAINING

2010 – 2013 **PhD in Chemistry**

Gheorghe Asachi Technical University of Iași, Romania, diploma series I no. 0003768, Order 165/07.04/2014

- Doctoral thesis title: *Photosensitive multifunctional polymers for biological applications*

2006 – 2008 **Master's Degree**

"Alexandru Ioan Cuza" University, Faculty of Chemistry, Iași, Romania
 Specialization: Dynamics and analysis in chemical systems
 Thesis title: *Key-intermediate kinetic study reaction of nitro musk's*

2002 – 2006 **Graduated in Technological Biochemistry**

"Alexandru Ioan Cuza" University Iași, Faculty of Chemistry, Romania
 Specialization: Technological Biochemistry

2002 - 2006

Graduation certificate of Training of Teaching Staff Department, "Alexandru Ioan Cuza" University Iași, Romania, diploma series F, no. 0021495

PERSONAL SKILLS

Mother tongue(s) romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
english	C1	B2	B2	B2	B2
Replace with name of language certificate. Enter level if known.					
france	B1	B1	A2	A2	B1
Replace with name of language certificate. Enter level if known.					

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
 Common European Framework of Reference for Languages

Communication skills

- good communication skills acquired through participation in conferences and scientific events, but also as a result of teaching experience
- team spirit acquired within the research teams
- ability to adapt to multicultural environments

Organisational / managerial skills

- good project management experience acquired in research programs as a member of the research team

Job-related skills

Advanced knowledge acquired through own experience in the following areas:

- **Synthesis:** organic compounds, polymers, azo-polymers
- **Purifying organic compounds methods:** distillation, crystallization, chromatographic methods
- **Structural characterization:** ¹H-NMR, ¹³C-NMR, UV/VIS, FTIR, fluorescence spectroscopy, fluorescence microscopy, AFM
- **Physical properties characterization:** thermal methods of analysis: TG, DTG, DTA; DSC
- **Surface properties characterization:** contact angle, photo-isomerization, laser irradiation of polymeric films
- profilometer, spin-coater

Computer skills

- Office package
- ChemOffice, HyperChem, AdobePhotoshop
- MestReC 2.3, ACD/NMR Processor Academic Edition etc.
- OriginPro, CorelDraw

ADDITIONAL INFORMATION

Publications 17 (8 Articles published in ISI rated journals, 5 Articles published in BDI indexed journals, 4 Articles at scientific events)

Presentations More than 40 participations of scientific works communicated orally or in poster form

Projects 7 (member / training expert)

Honours and awards 17
selection:

- *Gold medal* - 10th Edition of European Exhibition of Creativity and Innovation – EUROINVENT 2018, Iasi, Romania
- *OSIM Special Award*, the International Salon of Student Innovation and Scientific Research, - "Cadet INOVA'18" - "Nicolae Bălcescu" Land Forces Academy, April 19 - 21, 2018, Sibiu, Romania
- *Gold medal and diploma of excellence* - PRO INVENT, XVI EDITION, March 21-23, 2018, Cluj-Napoca, Romania
- *USV diploma and medal* - awarded by "Ștefan cel Mare" University from Suceava, "INFOINVENT", SPECIALIZED INTERNATIONAL EXHIBITION, XV EDITION, November 15 - 18, 2017, Republic of Moldova
- *Gold medal* - The 21th International Exhibition of Inventions "Inventica 2017" Iasi, Romania
- *Gold medal* – The XVIII-th International Exhibition of Research, Innovation and Technological Transfer "INVENTICA 2014"

Citation h-index

- 185 (Scopus)
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SPECIALIZATIONS

- *Invention School Graduation diploma*, courses organized from the National Institute of Invention, Technical University, Gheorghe Asachi" from Iași, Romania (February-June 2017)
- *Trainer graduation certificate*, issued by the Romanian Ministry of National Education and Scientific Research, organized by structural Euro Fund&Training, series L, no. 00170540 (2017)
- **Research internship within the Atomic Energy Commissariat (C.E.A.)** – Saclay, France (03-08.2012)
- *Thermal Analysis and Calorimetry summer school*, organized within the International Conference 1st Central and Eastern European Conference on Thermal Analysis and Calorimetry, Craiova, Romania (2011)