

## Elena PERJU



Born in Iasi, Romania on 10<sup>th</sup> January 1983

**Nationality:** Romanian

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**Professional Address:** “Petru Poni” Institute of Macromolecular Chemistry of Romania Academy; Aleea Grigore Ghica Voda, nr. 41A, 700487 Iasi, Romania

**Languages:** Romanian (mother tongue), English (excellent knowledge), French (basic knowledge)

### Education

- 2002 – 2006**    **Bachelor degree in Chemistry** (Series Y Nr. 0087892)  
„Alexandru Ioan Cuza” University, Iasi, Romania; Faculty of Chemistry,  
Specialization: Technological Biochemistry  
Thesis supervisor: Prof. Dr. Maria Caproșu  
Thesis title: “Amino acids”
- 2006 – 2008**    **Master degree in Chemistry** (Series G Nr. 0144015)  
„Alexandru Ioan Cuza” University, Iasi, Romania; Faculty of Chemistry,  
Specialization: Chemistry and Biochemistry of Heterocyclic Compounds  
Thesis supervisors: Prof. Dr. Ionel Mangalagiu and Associate Professor, CP. I,  
Dr. Maria Bruma  
Thesis title: “Functional calamitic mesogens with thermotropic liquid  
crystalline behavior”
- 2007 – 2012**    **PhD degree in Chemistry** (Series D Nr. 0000388)  
“Petru Poni” Institute of Macromolecular Chemistry of Romania Academy;  
Laboratory of Polycondensation and Thermostable Polymers  
PhD supervisor: Associate Professor, CP. I, Dr. Maria Bruma  
Thesis title: “New low molecular weight compounds and polymers with  
azomethine groups having thermotropic liquid crystalline properties”

### Current position

- 2020–**            **Scientific researcher** at “Petru Poni” Institute of Macromolecular Chemistry of  
Romania Academy, Laboratory of Polycondensation and Thermostable  
Polymers

### Previous positions

- 2006 – 2007**    **Research assistant** (part time), Faculty of Chemistry, „Alexandru Ioan Cuza” University, Iasi, Romania
- 2007 – 2020**    **Research assistant** at “Petru Poni” Institute of Macromolecular Chemistry of Romania Academy, Laboratory of Polycondensation and Thermostable Polymers
- 2014 – 2015**    **PostDoc**, Swiss Federal Laboratories for Materials Science and Technology (Empa), Laboratory for Functional Polymers, Switzerland, Supervisor: Dr. Dorina Maria Oprea
- 2018 – 2019**    **Scientist**, Swiss Federal Laboratories for Materials Science and Technology (Empa), Laboratory for Functional Polymers, Switzerland

### Participation in research projects

- 2010 – 2011**    ANCS (Nr. 210/CPII/2010)  
NANOPROSPECT – Nanotechnology in Romania: prospective study; team member
- 2011 – 2012**    ANCS (Nr. 3S/2011)  
ChemS.ro – Assessing the Romanian research potential in chemistry and the development of the national strategy for international cooperation; team member
- 2013 – 2014**    ANCS & ASM (Nr. 687/2013)  
Interpenetrating layers of semiconductor nanocomposites and polymeric materials for manufacture light emission diodes; team member
- 2014 – 2015**    SCIEX (Project code 13.233)  
PolSil – Polar silicones for actuators; postdoc fellow
- 2017**            International Short Visit funded by SNSF (Swiss National Science Foundation)  
IZK0Z2\_173526 (1.02.2017 – 30.04.2017)
- 2017 – 2019**    Romanian Academy-Joint Research Projects with the National Research Council of Italy  
Materials suitable for CO<sub>2</sub> capture and sequestration, through chemical reaction, based on azomethine derivatives; team member
- 2018 – 2020**    PN-III-P1-1.2-PCCDI-2017-0917  
Hybrid visible light communications and augmented reality platform for the development of smart driver assistance and vehicle active safety systems
- 2018 – 2020**    PN-III-P1-1.2-PCCDI-2017-0569  
Closing the bioeconomy value chains by manufacturing market demanded innovative bioproducts
- 2019 – 2022**    H2020-MSCA-RISE-2019  
Smart Wound Monitoring Restorative Dressings (SWORD) (no. 873123); team member

**Additional information** - Scientific papers: 20

Book chapters: 2

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