

PERSONAL INFORMATION



EPURE ELENA-LUIZA

 Iași, România
 0232 278683/2622
 elena-luiza.epure@academic.tuiasi.ro
 <https://orcid.org/0000-0001-8750-8947>
 Nationality Romanian

PROFESSIONAL EXPERIENCE

- 02.2025 - present **Associate Professor**, "Gheorghe Asachi" Technical University of Iasi, Faculty of Chemical Engineering and Environmental Protection, Department of Natural and Synthetic Polymers
Main activities and responsibilities: research activities; guiding the research activity of both Bachelor and Master students; scientific coordinator for bachelor/dissertation diploma projects, member of different committees in faculty
- 2011- 2014/2014-2025 **Assistant Professor/Lecturer**, "Gheorghe Asachi" Technical University of Iasi, Faculty of Chemical Engineering and Environmental Protection, Department of Natural and Synthetic Polymers
Main activities and responsibilities: teaching, conducting laboratories; research activities
- 2001- 2011 **Chemistry and Computer Science teacher**, High Schools (Pașcani, Iași)
Main activities and responsibilities: teaching

EDUCATION AND TRAINING

- 2007- 2012 **Ph.D. in Chemistry**, topic: "Molecular modeling study of self-assembling phenomena of hybrid systems", doctoral advisor: Prof. dr. eng. Nicolae Hurduc, "Gheorghe Asachi" Technical University of Iasi, Faculty of Chemical Engineering and Environmental Protection
- 1998-2001 **Engineer Diploma**, Technical University College No. 1, Faculty of Automatic Control and Computer Engineering, "Gheorghe Asachi" Technical University of Iași
- 1998-2000 **Master of Science in Organic Chemistry-Physics**, Faculty of Chemistry, "Alexandru Ioan Cuza" University of Iași
- 1994-1998 **Bachelor of Science in Chemistry-Physics**, Faculty of Chemistry, "Alexandru Ioan Cuza" University of Iași

PERSONAL SKILLS AND COMPETENCES

Mother tongue(s)	Romanian
Other language(s)	English, French (*listening, reading, speaking –B2, writing: B1) (*common European Framework of Reference for Languages)
Social skills and competences	good communication skills, motivational skills, ability to adapt to various socio-cultural environments
Organisational skills and competences	decision making, team/project management, strategic thinking, attention to details
Technical skills and competences	- writing/dissemination of technical-scientific works in specialized publications/at conferences and symposia - writing proposals for research projects - implementation and management of scientific projects

	- research and cognitive skills in the field of synthesis and physico-chemical characterisation of polymers (TG/ DSC, UV/VIS, contact angle) - molecular modeling and simulations of polymer and low weight liquid crystal properties, knowledge in working with Materials Studio (BIOVIA) and GROMACS (General Public License) molecular modeling software packages, - ability to think, understand and use different representations of mathematical objects, phenomena and situations
Computer skills and competences	- competences in working with PC, Microsoft Office suite, ChemOffice, Adobe Photoshop - programming language C - information management
Driving licence	- category B

ADDITIONAL INFORMATION- SCIENTIFIC ACTIVITY

- **Erasmus stages** – 20-24.04.2026- University of West Bohemia, Pilsen (Czech Republic) and OTH Amberg-Weiden (Germany); 9-13.12.2024- Riga Stradiņš University, Latvia; 4-7.09.2019, INSA Lyon, Lyon, France; 9-25.04.2019- Claude Bernard University Lyon 1, Lyon, France;
- **CECAM Summer School**, 1- 5 July 2019, Bio-molecular simulation with GROMOS Vienna, Austria
- **internship/ visiting professor**: February-March 2018, Stockholm University/ KTH Royal Institute of Technology, Sweden
- **training** 12-15.06.2017, Research Center for Instrumental Analysis – SCIENT, București, Romania
- **Erasmus agreement** - June 2016, Angers University, France
- **training** 11-20 may 2016, *English as a Medium of Instruction (EMI)*, organizers: Coruňa University and „Gheorghe Asachi” University, Romania
- **national and international workshops** (*Introduction to biomolecular simulation with GROMOS*, University of Natural Resources and Life Sciences, Vienna, Austria, 2019; *Frontiers of coarse grain in molecular dynamics*, Freie Universität, Berlin, Germany, 2018; *Time-Dependent Density-Functional Theory: Prospects and Applications*, Benasque, Spain, 2010; *Dissipative Particle Dynamics: Addressing deficiencies and establishing new frontiers*, Lausanne, Switzerland, 2008; *Polimeri hidrosolubili pentru aplicatii avansate*, Institute of Macro-molecular Chemistry Petru Poni, Iași 2008)
- **articles** (over 25 in ISI ranked journals, 6 articles included in BDI, 2 articles in proceedings of conferences), over 45 presentations at national and international conferences (oral communications and posters);
- **reviewer**: Molecules, Materials, Polymers, Applied Physics A
- **awards** at national and international scientific events
- **team member** in national and international research contracts
- **project director** of national grants (PN-III-P1-1.1-MC-2017-2592; ARUT 2018 GnaC2018_91; GI /P18 /2021).