

## PERSONAL INFORMATION



 Iași, România

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 <https://orcid.org/0000-0001-8750-8947>

Nationality Romanian

## PROFESSIONAL EXPERIENCE

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**1.10.2014 - present** **Position:** Lecturer

**Employer:** "Gheorghe Asachi" Technical University of Iasi, Faculty of Chemical Engineering and Environmental Protection, Department of Natural and Synthetic Polymers

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** **Position:** Assistant professor

**Employer:** "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** **Position:** Chemistry and Computer Science teacher

**Employer:** S.A.M. Dumesti, S.A.M. Tătaruși, "C.F. Unirea" High School Pașcani, "Mihail Sadoveanu" National High School of Pașcani, "M Busuioc" High School Pașcani.

**Main activities and responsibilities:** teaching

## EDUCATION AND TRAINING

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Dates **2007- 2012**

Title of qualification awarded Ph.D. in Chemistry, topic: "Molecular modeling study of self-assembling phenomena of hybrid systems", doctoral advisor: Prof. dr. eng. Nicolae Hurduc

Name and type of organisation providing education and training "Gheorghe Asachi" Technical University of Iasi, Faculty of Chemical Engineering and Environmental Protection

Dates **1998-2001**

Title of qualification awarded Engineer Diploma

Name and type of organisation providing education and training Technical University College No. 1, Faculty of Automatic Control and Computer Engineering, "Gheorghe Asachi" Technical University of Iași

Dates **1998-2000**

Title of qualification awarded Master of Science in Organic Chemistry-Physics

Name and type of organisation Faculty of Chemistry, "Alexandru Ioan Cuza" University of Iași  
providing education and training

Dates **1994-1998**

Title of qualification awarded Bachelor of Science in Chemistry-Physics

Name and type of organisation Faculty of Chemistry, "Alexandru Ioan Cuza" University of Iași  
providing education and training

## PERSONAL SKILLS AND COMPETENCES

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Mother tongue(s) Romanian

Other language(s) English, French (\*listening, reading–B2, speaking, writing: B1)  
(\*common European Framework of Reference for Languages)

Social skills and competences good communication skills, motivational skills, ability to adapt to various sociocultural 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
- computer graphics applications
- information management

Driving licence - category B

## ADDITIONAL INFORMATION- SCIENTIFIC ACTIVITY

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- **Erasmus stage** – 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: Coruña 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 Universitat, 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)
- **33 articles** (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
- **awards** at national and international scientific events
- **team member** in ten research contracts and the **manager** of three **grants** (PN-III-P1-1.1-MC-2017-2592; ARUT 2018 GnaC2018\_91; GI/P18/2021).

December 2024

Epure Elena-Luiza