

PERSONAL INFORMATION

Lavinia Lupa



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http://apps.webofknowledge.com/CitationReport.do?product=WOS&search_mode=CitationReport&SID=D6qYcftkxOKlgUqW3KR&page=1&cr_pqid=17&viewType=summary&colName=WOS

[ORCID: 0000-0002-9997-6374](https://orcid.org/0000-0002-9997-6374) (<https://orcid.org/0000-0002-9997-6374>)

Sex Female | Date of birth | Nationality Romanian

WORK EXPERIENCE

- 17.02.2020-present **Associate professor**
 Politehnica University of Timisoara, Faculty of Industrial Chemistry and Environmental Engineering

 - Teaching activities in the disciplines: Waste processing, Advanced technologies for wastewater treatment and purification, Kinetics of chemical reactions, Physical Chemistry
 - Teaching activity and scientific research
- 16.02.2015-17.02.2020 **Lecturer**
 Politehnica University of Timisoara, Faculty of Industrial Chemistry and Environmental Engineering

 - Teaching activities in the disciplines: Waste processing, Advanced technologies for wastewater treatment and purification, Kinetics of chemical reactions, Physical Chemistry
 - Teaching activity and scientific research
- 01.10.2007-16.02.2015 **Assistant**
 Politehnica University of Timisoara, Faculty of Industrial Chemistry and Environmental Engineering

 - Teaching activities in the disciplines: Material Science Mineral fertilizer technology, Physical chemistry 2, Kinetics of chemical reactions, Inorganic substances technology, Environmental protection
 - Teaching activity and scientific research

EDUCATION AND TRAINING

- 2003-2007 **PhD diploma**
 Doctoral degree, in the field of chemical engineering, OMEdC 3439 / 12.03.2008

 - Politehnica University of Timisoara, Faculty of Industrial Chemistry and Environmental Engineering
 - Research in the field of chemical and environmental engineering, PhD thesis title: Studies regarding the recovery and capitalization of zinc from waste resulted from hot-dip galvanizing process
- 2003-2004 **Master's degree, specialization: Safety Process Technologies**

 - Politehnica University of Timisoara, Faculty of Industrial Chemistry and Environmental Engineering
 - The disciplines from the curriculum
- 1998-2003 **Engineering degree, specialization: Inorganic Substances Technology**

 - Politehnica University of Timisoara, Faculty of Industrial Chemistry and Environmental Engineering
 - The disciplines from the curriculum

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	B2	C1	B2
	Replace with name of language certificate. Enter level if known.				
French	A2	A2	A2	A1	A1
	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

- Team spirit acquired in research conducted as a member in various research contracts, ability to adapt to various social and cultural environments, good communication skills, obtained as a result of teaching and tutoring activities, as well as after graduation Mentorat-DidaTec continuing education and training program courses, as a Beginner;
- Communication skills acquired as chairman of the different communication sessions within the international symposia: 17th International Multidisciplinary Scientific GeoConference SGEM 2017, 27.06-06.07.2017, Albena Bulgaria; 17th International Multidisciplinary Scientific Conference on Earth & Geo Science, 27.11-30.11.2017, Vienna Austria.
- I participated with oral presentations (more than 20 papers) at various international conferences. Among them I mention: 12th International Conference on Modeling Monitoring and Management of Water Pollution, 2nd and 3rd International Conference on Ionic Liquids in Separation and Purification Technology, 15th International Conference "Polymers and Organic Chemistry", 5th International Conference "Separation Science - Theory and Practice".
- Member of the Scientific Committee of the International Conference: International Conference on Chemical and Biological Science, ICCBS from 2015 to the present.

Organisational / managerial skills

- Improved organizational skills following participation in the organization of scientific events, entrance exams and undergraduate exams;
- Member of the organizing committee of the Romanian-German symposium AquaCivitas 2004 and 2005, of the symposium Environmental Protection and Ecological Education 2008-2011, and of the online symposium APA - THE ESSENCE OF LIFE (AquaSensTim) 2021
- Managerial experience gained as a member in 14 research projects, of which 2 international and 12 national (3 projects as director) and member of 12 contracts with the economic environment (1 being contract director).

Research projects

- I was project director of the research project for the stimulation of young independent teams: PN-II-RU-TE-2012-3-0198 entitled "New approach on the use of ionic liquids as green extractants in the process of radionuclides from waste aqueous solutions"- (UEFISCDI - 650000 Lei);
- Project director of the research project for the stimulation of young independent teams: PN-III-P1-1.1-TE-2019-1555 entitled "Integrated concept for Platinum Group Metals recovery by adsorption onto Ionic Liquid-impregnated Layered Double Hydroxides and further reuse as photocatalyst for water treatment"(UEFISCDI - 431900 Lei).
- Responsible partner of the experimental demonstration research project: PN-III-P2-2.1-PED-2019-3013 "A new "green" technology for advanced water treatment based on functionalized polysulfone membranes / ionic liquids" (UEFISCDI - 205000 Lei).
- Among the contracts with the economic environment in which I participated, I mention the contract 71 / 12.06.2014, with SC CONTINENTAL AUTOMOTIVE ROMANIA S.R.L., amounting to 3900 lei, in which I was contract director. Within this contract, studies were performed on the impurities present in the manufacturing process by SEM and EDX analysis. Technical measurements and interpretation of results were performed.

Technical skills and competences

- Competences in environmental protection; removal of various pollutants from aqueous solutions by advanced treatment methods (eg adsorption and photocatalysis); obtaining and characterization of various adsorbent and photocatalytic materials, functionalized with ionic liquids; recovery and reuse of useful substances from various wastes. Ability to design and carry out a growth plan, to process experimental data and to write a scientific paper to disseminate the research results.
- Technical skills for the use of analysis equipment: UV-VIS spectrophotometer FT-IR spectrophotometer, atomic absorption spectrometer and X-ray diffractometer.

- Computer skills** ▪ Skills in using Microsoft Office tools, advanced knowledge in using graphical experimental data processing programs: Origin, Table Curve 2D, Table Curve 3D.
- Driving licence** ▪ B

ADDITIONAL INFORMATION

- Co-author of over 160 scientific papers, of which 89 in ISI-listed journals and 9 in ISI proceedings, 45 in journals indexed in international databases and 43 in journals and volumes of non-indexed scientific events;
- Co-author of a specialized book for higher education published by Politehnica Timisoara Publishing House;
- Co-author of 4 book chapters published in international publishing houses;
- 1 patent and 2 patent applications filed with OSIM;
- 365 citations in ISI Thomson Reuters magazines (without self-citations), h-index-14;
- invited referent by ISI listed specialist journals: Journal of Cleaner Production (11 reviewed manuscripts); Desalination and Water Treatment (4 reviewed manuscripts); Journal of Hazardous Materials (2 reviewed manuscripts); Hydrometallurgy (1 manuscript reviewed); Journal of Environmental Chemical Engineering (1 reviewed manuscript); Separation Science and Technology (1 manuscript reviewed).

marital status: married, two children (David Alexandru - 11 years old and Teodora Florentina - 5 years old)

Timișoara
14.11.2021

Conf. dr. Ing. Lavinia Afrodita Lupa

