

PERSONAL INFORMATION

Irina Morosanu



📍 “Gheorghe Asachi” Technical University of Iasi, “Cristofor Simionescu” Faculty of Chemical Engineering and Environmental Protection, Department of Environmental Engineering and Management, 73 Dimitrie Mangeron Str., 700050, Iasi, Romania

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Sex F | Nationality Romanian

WORK EXPERIENCE

June 2017 - present

Post-doctoral researcher

“Gheorghe Asachi” Technical University, Faculty of Chemical Engineering and Environmental Protection, Department of Environmental Engineering and Management, Iasi, Romania

- Research on water and wastewater treatment processes (advanced oxidation processes, adsorption)

October 2013 – June 2017

Research assistant

prof.dr.eng. Carmen Teodosiu, “Gheorghe Asachi” Technical University, Faculty of Chemical Engineering and Environmental Protection, Department of Environmental Engineering and Management, Iasi, Romania ; e-mail: cteo@ch.tuiasi.ro

- Research on advanced wastewater treatment processes (advanced oxidation processes, adsorption)

March 2014 - present

Analysis responsible/Laboratory engineer

Laboratory of Environmental Factors Analysis and Control (LACMED), prof.dr.eng. Carmen Teodosiu, “Gheorghe Asachi” Technical University, Faculty of Chemical Engineering and Environmental Protection, Iasi, Romania; website: <http://lacmed.ro/>; e-mail: lacmed@tuiasi.ro

- Analysis of environmental quality indicators

EDUCATION AND TRAINING

October 2013 – April 2017

PhD Programme

Domain: Environmental Engineering; PhD supervisor: prof.dr.eng. Carmen Teodosiu, contact: cteo@ch.tuiasi.ro

“Gheorghe Asachi” Technical University, Faculty of Chemical Engineering and Environmental Protection, Department of Environmental Engineering and Management, Iasi, Romania

October 2011 – June 2013

Master of Science Programme

Domain: Environmental Management; Specialization: Environmental Management and Sustainable Energy (taught in English) (MSc thesis: “*Studies concerning catalytic wet hydrogen peroxide oxidation for wastewater treatment*”)

“Gheorghe Asachi” Technical University, Faculty of Chemical Engineering and Environmental Protection, Department of Environmental Engineering and Management, Iasi, Romania

October 2007 – July 2011

Bachelor Programme

Domain: Environmental Engineering; Specialization: Engineering and Environmental Protection in Industry (Bachelor thesis: “*Design of treatment installation for the purification of a toluene contaminated gas flux from paint manufacturing by continuous adsorption with Hypersol-Macronet™ polymer*”)

“Gheorghe Asachi” Technical University, Faculty of Chemical Engineering and Environmental Protection, Department of Environmental Engineering and Management, Iasi, Romania

PERSONAL SKILLS

Mother tongue(s)

Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	B2	C1	C1
French	B1	B1	A2	A2	B1

Japanese

A2

A2

A2

A2

A2

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

Communication skills

Team spirit, good communication abilities and adaptive capacity to multicultural medias gained from various faculty projects and external activities

Organisational / managerial skills

- Member of organizing committee for the International Conference on Environmental Engineering and Management (ICEEM08 – ICEEM11 editions), 2015, 2017, 2019 and 2021.
- Good entrepreneurship skills obtained from participation in the project “From theory to practice through Simulated Enterprise (De la teorie la practica prin Intreprinderea Simulata)”, POSDRU/90/2.1/S/58123, <http://www.is.tuiasi.ro/>, <http://www.is.renew.tuiasi.ro/> - 2011-2012

Job-related skills

- **Research areas:** Water and wastewater treatment technologies, advanced wastewater treatment for recycling of industrial effluents (advanced oxidation processes, sorption processes)
- Ability to work with the equipment from a chemical laboratory and to analyse different environmental quality indicators;
- Ability to write scientific papers;
- Ability to produce and characterize mono- and bilayers of amphiphilic copolymers for solid-supported membranes generation.

Computer skills

Good knowledge of Microsoft Office™ tools, R studio

ADDITIONAL INFORMATION

Publications
(selection from a total of 8)

- Morosanu I., Teodosiu C., Fighir D., Padurarur C., 2019. Simultaneous Biosorption of Micropollutants from Aqueous Effluents by Rapeseed Waste, *Process Safety and Environmental Protection*, 132C, DOI: <https://doi.org/10.1016/j.psep.2019.09.029>,
- Morosanu I., Teodosiu C., Coroaba A., Padurarur C., (2019) Sequencing Batch Biosorption of Micropollutants from Aqueous Effluents by Rapeseed Waste: Experimental Assessment and Statistical Modeling, *Journal of Environmental Management*, 230, DOI: <https://doi.org/10.1016/j.jenvman.2018.09.075>

Conferences
(selection from a total of 15)

- Teodosiu C., Bucatariu F., Fighir D., Morosanu I., Ciobanu R., Padurarur C., Mihai M., Sustainable use of composite sorbents to remove emerging and priority pollutants in advanced wastewater treatment processes (2021) 11th International Conference on Environmental Engineering and Management (ICEEM11), 8-10 September 2021, Muttenz, Switzerland.
- Teodosiu C., Morosanu I., Fighir D., Padurarur C., Circular economy applied to wastewater management (oral) (2020), *Aqua Circular International Conference*, 7-8 October 2020, Timisoara, Romania
- Morosanu I., Teodosiu C., Fighir D., Padurarur C., Removal of Micropollutants from Wastewater by Rapeseed Simultaneous Biosorption (oral), 3rd IWA Resource Recovery Conference, 8-12 September 2019, Venice, Italy

External specialization stages and trainings

- *LGC Proficiency Testing Educational Webinar Series*, 15.04-24.06.2020, LGC Standards, UK
- Erasmus research stage at la Universitat Rovira i Virgili, Tarragona, Spania, 10.02-24.03.2019;
- LC-MS Method validation (online), Nov 27, 2018 - Feb 08, 2019, Universitatea din Tartu, Estonia;
- Research stage at University of Basel, Switzerland, during 10th Nov. 2014 – 23th Jan. 2015;
- Erasmus Scholarship Programme at “Rovira I Virgili” University, Tarragona, Spain, during 1st Oct. 2012 – 27th Jan. 2013;
- DEX Summer School 2012 “Water Quality Management”, Rottenbach, Austria organized by Deutscher Expertenrat European Water Association, 15th– 20th July 2012.

Grants

- Grant PCE nr. 56/2021 PNCDI III Innovative and sustainable solutions for priority and emerging pollutants removal through advanced wastewater treatment processes (SUSTINWATER) 04.01.2021- 31.12.2023, project member
- Grant PCCDI nr. 26PCCDI/01.03.2018, PNCDI III Integrated and sustainable processes for environmental clean-up, wastewater reuse and waste valorization (SUSTENVPRO), 01.03.2018 - 30.07.2021, project member
- Grant PNCDI II (Parteneriate) no. 60/2012, (2012-2016) Integrated System for Reducing Environmental and Human Related Impacts and Risks in the Water Use Cycle (WATUSER), project member
- Over 50 contracts with agents