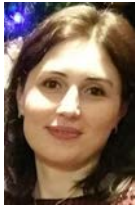




PERSONAL INFORMATION**Daniela Gavrilesco**

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PERSONAL PROFILE

Lecturer

Doctor in Engineering Sciences (Chemical Engineering), MSc.,
Graduate engineer in Environmental Engineering

PROFESSIONAL EXPERIENCE

15.02.2017 - currently

Lecturer

"Gheorghe Asachi" Technical University of Iasi, "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection-FICPM, Iasi, www.tuiasi.ro

Didactic and scientific research activities

[Higher education and scientific research, field of Environmental Engineering](#)

1.10.2013- 15.02.2017

Assistant professor

"Gheorghe Asachi" Technical University of Iasi, "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection-FICPM, Iasi, www.tuiasi.ro

Didactic and scientific research activities

[Higher education and scientific research, field of Environmental Engineering](#)

21.03.2013-present

Analysis Responsible in the LACMED laboratory, accredited by RENAR

"Gheorghe Asachi" Technical University of Iasi, "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection -FICPM, Iasi, www.tuiasi.ro

Activities: spectrophotometric determinations, validation of spectrophotometric analysis methods, measurement uncertainty estimation of spectrophotometric analysis methods

1.10.2011- 30.09.2013

Assistant professor, fixed term employed

"Gheorghe Asachi" Technical University of Iasi, "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection, Iasi, www.tuiasi.ro

▪ Didactic and scientific research activities

[Higher education and scientific research, field of Environmental Engineering](#)

1.10.2008- 30.09.2011

PhD candidate

"Gheorghe Asachi" Technical University of Iasi, "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection, Iasi, www.tuiasi.ro

▪ Scientific research activities

[Higher education and scientific research, field of Environmental Engineering](#)

EDUCATION AND TRAINING

1.10.2008-30.09.2011

Doctor in Chemical Engineering

EQF level=8

"Gheorghe Asachi" Technical University of Iasi, "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection, Iasi

Thesis title: Studies regarding advanced wastewater treatment using ultrasonication and ultrafiltration as combined processes, developed and defended in English, under the co-supervision of Prof. Dr. Eng. Carmen Teodosiu (TUIasi) and Prof. Dr. Eng. Anton Friedl (TUWien)

- 1.10.2008-01.07.2009 **Master in Environmental Management** EQF level=7
 "Gheorghe Asachi" Technical University of Iasi, "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection -FICPM
- 1.10.2003-01.07.2008 **Graduate engineer, specialization: Engineering and environmental protection in industry** EQF level=6
 "Gheorghe Asachi" Technical University of Iasi, "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection -FICPM
- 1.03.2013-30.12.2013 **Professional skills certificate**
 Technical University of Cluj-Napoca, Department of Continuous Education, Distance and Education, Cluj-Napoca
 Blended-learning and modern educational technologies for university education
- 1.03.2004-1.07. 2007 **Graduation diploma of the Complementary Module of Pedagogical Sciences** EQF level=6
 "Gheorghe Asachi" Technical University of Iasi, Department of Education Staff Training and Pedagogical sciences

Language (s) default (s) ROMANIAN

Other known foreign languages

	UNDERSTANDING		SPEAKING		WRITING
	Obedience	Reading	Participating in the conversation	Oral speech	
English	C1/C2	C1/C2	C1/C2	C1/C2	C1/C2
Certificate: Cambridge Advanced Language Skills in English, 2003					
French	B1/B2	B1/B2	A1/A2	A1/A2	B1/B2
Spanish	A1/A2	A1/A2	A1/A2	A1/A2	A1/A2

Organizational/managerial skills

- Member of the secretariat of the International Conference on Environmental Engineering and Management, ICEEM05-ICEEM12;
- Expert in the implementation of the evaluation methodology in higher education institutions in order to classify universities and the ranking of study programs and the elaboration of the evaluation report, from the "Gheorghe Asachi din Iasi" Technical University, in the project "Improving public policies in higher education and increasing quality" regulations by updating quality standards-QAFIN" Code SIPOCA/SMIS2014+:16
- Member in the commission for the periodic evaluation report elaboration for the Bachelor and Master study programmes in the Environmental Engineering field (BSc., 2013, 2018 and MSc. 2019), Member in the commission for the institutional evaluation file elaboration, at faculty level, 2015,
- Member of the admission committee of FICPMCS, 2013, 2017-2023;
- Secretary in the 2016-2019 EMSE dissertation examination committee, from 2019- MM
- Member in the team to promote the study programmes within OpenDays@TUIASI , for the "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection, May 2020, December 2020, April 2021, December 2021, May 2022.
- **Speaker** for the Student ASC Chemis League within the Think Green project, 2015, 2018, 2022;
- **Speaker** for the WATUSER specialization course, dedicated to professionals from regional water operators, 28-30.09.2016, Iasi
- **Speaker** within the framework of the international project Environmental Education-OERS for Rural Citizens, 19-COP-0038 on the topic "Waste management in rural communities", 27.05, 20.10 and 4.11. 2022
- **Speaker** during the workshop organized by TUIasi and State University at Buffalo New York, 11.11.2022 on the theme "Overview of Best Practices in Sustainable Waste Management in Rural Areas"
- Organization of technological practical stage and study visits, as Practice Coordinator/Group Coordinator

Organizational/managerial skills

- ✓ **Teaching, communication and supervisory/coordinating/mentoring skills** through the supported Disciplines and the materials created for them

With teaching in Romanian: 11 subjects

- ✓ Waste monitoring and reporting - course and project (2020-present)
- ✓ Integrated waste management - course and project (2018-2019, 2021-present)
- ✓ Waste treatment and recovery technologies - course, laboratory, project (2013-present), Sustainable consumption - seminar (2013-2016)
- ✓ Integrated environmental management - seminar (2015, 2016)
- ✓ Organizational management and ecological performance-seminar (2014)
- ✓ Development and management of environmental projects-project (2014)
- ✓ Life Cycle Assessment-Seminar (2012)
- ✓ General chemistry - laboratory (2011, 2012)
- ✓ Technological practice (2011, 2013, 2015, 2016)
- ✓ Scientific research modules (2018-present)

Skills acquired in the workplace

Taught in English: 6 subjects

- ✓ Solid waste management - course and project (2016-present),
- ✓ Modeling and simulation of environmental processes-laboratory (2014-2017)
- ✓ Research planning and project management-project (2014)
- ✓ Environmental integrated management-project (2012, 2014, 2017, 2019)
- ✓ Sustainable consumption project (2012)
- ✓ Scientific research modules (2018-present)

Research directions: solid waste management, solid waste valorization and treatment technologies, evaluation of the sustainability performance of waste management systems

Coordinator for 26 diploma theses and 22 dissertation theses (8 EMSE and 14 MM, MTVD coordinated with Prof. Carmen Teodosiu)

- ✓ **Scientific research skills, obtained in the publication:**
- ✓ Books and chapters published in recognized national publishing houses: 2;
- ✓ Articles/Studies published in specialist journals of international circulation (Clarivate Analytics-19, International Data Basis-2): 21;
- ✓ Articles/studies published in proceedings (with ISBN) of recognized international scientific events from abroad and in the country: 1;
- ✓ Patents: 2;
- ✓ Conferences held/Papers presented at national and international scientific events: 35;
- ✓ 1 doctoral thesis, 1 dissertation
- ✓ Hirsch Index = 8 (Web of Science, Scopus) and 9 (Google Scholar)
- ✓ Projects/ Scientific research contracts/ Contracts with economic agents (as a member or beneficiary): 38

Guest teacher internships:

1. Technical University of Crete, Chania, Greece, 27.08-10.09.2014
2. Polytechnic University of Turin, Italy, 30.06-07.07.2015, 18.04-22.04.2018
3. University of Minho, Braga, Portugal, 25.07-2.08.2015
4. University of Santiago de Compostela, Spain, 29.08-3.09.2015
5. University of Pannonia, Hungary, 17.07-21.07.2016
6. Federico II University, Naples, Italy, 28.08-02.09.2016
7. Van Hall Larenstein University of Applied Sciences and WETSUS-European Center of Excellence for Sustainable Water Technology, Leeuwarden, Netherlands, 31.10-03.11.2016, 19-26.05.2019
8. Politecnico di Bari University, Bari, Italy, 20.04-25.04.2017, 4.09-8.09.2018

Specializations:

a) International

1. International workshop "Better Enforcement against Waste and Mercury Crime", online, 24-26.11.2021
2. The online course "Municipal Solid Waste Management in Developing Countries", École Polytechnique Fédérale de Lausanne, Switzerland, offered by Coursera, April-May 2020
3. The online course "Circular Economy - Sustainable Materials Management", Lund University, EIT RawMaterials, VITO, Geological Survey of Denmark and Greenland, National Technical University of Athens, Ghent University & Delft University of Technology, offered by

Coursera, 04. 2020

4. The online course "LGC Proficiency Testing Webinar Series", 04-06. 2020, LGC Standards
5. Online course "Managing Risk in ISO/IEC 17025:2017", Fluke Calibration Seminars, 23.01.2019
6. The online course "Decision Rules and ISO/IEC 17025: 2017", Fluke Calibration Seminars, 27. 02.2019
7. Specialization course in Eco-innovation, organized by Agedeve Switzerland and the National Center for Sustainable Production and Consumption, 2 sessions: 22-24.02.2016 (Timișoara) and 31.05-02.06.2016 (Bucharest).
8. Life-Cycle Approaches to Sustainable Regional Development summer school, Santa Maria di Leuca, Italy, organized by the University of Salento, Department of Management, Economics, Mathematics and Statistics, 8.07-12.07.2013.
9. STREAM Second Summer School, Rome, Italy, organized by Rome Tre University, The Italian National Agency for New Technologies, Energy and Sustainable Economic Development (ENEA), The National Research Council, Water Research Institute (CNR-IRSA), The BIC Lazio (Business Innovation Center), The Agency for the Promotion of the European Research (APRE) and Enterprise Europe Network (EEN), 24.09-29.09.2012.
10. Research internship in the field of modeling and simulation of processes in the chemical industry, at the Technical University of Vienna, Institute of Chemical Engineering, Department of Thermal Process Engineering and Process Simulation, Austria, 1.03-31.05.2011.
11. DEX Summer School, Advanced course on wastewater treatment, Rottenbach, Austria, organized by the German Association of Experts for Technologies and Infrastructure in Environmental Protection DEX, 4.07.2010-9.07.2010.
12. Training course "International Training Workshop on Concepts in Environmental Science and Engineering", Iasi, Romania, organized by Michigan State University, Institute of International Health and Fogarty International Center Program on Environmental Health Training and Research in Environmental Health in the Balkans, 1.06- 06/04/2009.
13. NATO Advanced Study Institute Summer School on Exposure and Risk Assessment-Contemporary Methodology, Borovetz, Bulgaria, 1.07-10.07.2008.

b) National

1. Online course Risk management according to SR EN ISO 31000:2018 - Guidelines, FiaTest, 28.02-1.03.2022
2. Training seminar Waste management the new legal provisions, online, 24-25.11.2021
3. ID/IFR online training session 05.03.2021, organized by ARACIS
4. Online training session: External evaluation at program/domain/institutional level in blended mode, 05.11.2020, organized by ARACIS
5. The digital communication training, "Empower Your Online Public Speaking Competences", 09.2020, offered by TUIASI
6. Training course on the IT structure established for teaching staff involved in internal quality assessment, "Continuous internal assessment system of education quality - barometer of university strategic management - CALINT-BAROMANAG" - CNFIS-FDI-2019-0270, Iasi, 17.12. 2019
7. Specialization course in Hazardous Chemical Substances, 2019, organized by Euroconsult Plus, Iasi, 1.02.2019
8. Specialization course in Waste Management, organized by Euroconsult Plus, Iasi, 5-11.09.2013, title obtained: Specialist in waste management.

Digital competences

Information processing		Communication	Content creation	Security	Solving problems
independent user	independent user		User elementary	User elementary	independent user

- use of the Microsoft Office package (word processor, spreadsheet, powerpoint presentations)
- use of software specific to environmental engineering, chemical engineering: Aspen Plus, ALOHA, ISIM, CCalc, OpenLCA, other specific software
- photo editing knowledge, as an amateur photographer

Member of professional associations:

- International Solid Waste Association, ISWA, 2012-present
- The Environmental Engineering and Impact Assessment Research Group and the Environmental Factors Analysis and Control Laboratory Group (LACMED), accredited RENAR ISO 17025:2005, within the Faculty of Chemical Engineering and Environmental Protection, "Gheorghe Asachi" Technical University of Iasi
- Academic Organization of Environmental Engineering and Sustainable Development, OAIMDD, since 2015
- Romanian Network for Ecoinnovation, since 2016
- Alternate member of the Regional Innovation Consortium, ADR Nord Est, Romania, June 2021
- Member Advisory Group for Circular Economy in the Northeast region, July 2021

Date
06.03.2023

Signature
Daniela Gavrilescu