

PERSONAL INFORMATION

MARILENA-ADELA BUBURUZAN



📍 “Gheorghe Asachi” Technical University of Iasi, Romania, 73 Prof. Dimitrie Mangeron Blvd., 700050, IASI, ROMANIA

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Sex Feminin | Date of birth 29/07/1979 | Nationality Romanian

EMPLOYER

”Gheorghe Asachi” Technical University from Iași, Romania
“Cristofor Simionescu” Faculty of Chemical Engineering and Environmental Protection,
Department of Environmental Engineering and Management
Lecturer (since 2014), **PhD in Engineering Sciences: Chemical Engineering, MSc., Engineer**

FIELD OF INTEREST

Environmental Engineering

WORK EXPERIENCE

2014 - present

Lecturer

Gheorghe Asachi” Technical University from Iași, Romania; “Cristofor Simionescu” Faculty of Chemical Engineering and Environmental Protection; Department of Environmental Engineering and Management

- Educational, teaching and research activities
Higher Education and Scientific Research

2008 - 2014

Assistant professor

Gheorghe Asachi” Technical University from Iași, Romania; “Cristofor Simionescu” Faculty of Chemical Engineering and Environmental Protection; Department of Environmental Engineering and Management

- Educational, teaching and research activities
Higher Education and Scientific Research

2005 - 2008

Teaching assistant

Gheorghe Asachi” Technical University from Iași, Romania; “Cristofor Simionescu” Faculty of Chemical Engineering and Environmental Protection; Department of Environmental Engineering and Management

- Educational, teaching and research activities
Higher Education and Scientific Research

2002 - 2005

Researcher, Ph. D. student

Gheorghe Asachi” Technical University from Iași, Romania; “Cristofor Simionescu” Faculty of Chemical Engineering and Environmental Protection; Department of Environmental Engineering and Management

- Scientific research in the field of environmental engineering

EDUCATION AND TRAINING

October- November 2019

Graduation of the program **”Authorized Professional Training Program for Multiple Specialization Occupations”** for **”Key Competences, Common to Multiple Occupations - Communication in English”**

ISCDE 8t

”Gheorghe Asachi” Technical University of Iasi, 67 Blvd. Prof. Dimitrie Mangeron, 700050 – Iași

	<ul style="list-style-type: none"> ▪ Specialization course for "Common Key Skills for Multiple Occupations - Communication in English" ▪ English as medium of instruction for technical higher education; ▪ Methodology of technical subjects using EMI; ▪ Design of educational materials for technical subjects using informational technologies; ▪ Virtual learning solutions; 	
2013 - 2015	<p>Certificate serial B, no. 0002828 in Blended-learning and modern educational technologies in higher education in field Computers and Information Technology</p> <p>Technical University of Cluj-Napoca, Department for Continuing Education, Distance Learning and Reduced Frequency</p> <ul style="list-style-type: none"> ▪ Modern techniques and technologies in education. Electronic education materials. ▪ The use of ICT in education. Online distribution and sharing of teaching materials. Blended-Learning and e-Learning. ▪ Modern techniques and technologies for design and development of educational materials for courses. ▪ Design and development of educational materials for application in engineering sciences. ▪ Tools and technologies for self-assessment/online evaluation in education. ▪ Advanced ICT communication and collaboration tools and technologies for education. The teacher career plan. 	ISCDE 8
2011 - 2012	<p>Certificate serial A, no. 0002282 in Teacher tutor and supervisor of practice in field Engineering Science</p> <p>"Gheorghe Asachi" Technical University of Iași, Department of Teacher Training</p> <ul style="list-style-type: none"> ▪ The psychology of the activity for supervising the practical stage; ▪ Leadership and high performance teams; ▪ Legislation and management instruments; ▪ Design of practical training; ▪ Quality assurance for specialty practice; ▪ Ethics, educational policies and good practice; ▪ Theory and practice of interinstitutional partnership; ▪ Source of financing for the speciality practice; ▪ Safety and health at work; ▪ Professional communication; ▪ Career advice for students. 	ISCDE 8
2002 - 2011	<p>Ph. D. in Chemical Engineering, Diploma no. 2361/07.12.2011, Diploma serial H, no. 0005522, issued by the Minister of Education, Research, Youth and Sports</p> <p>"Gheorghe Asachi" Technical University of Iași, Romania</p> <ul style="list-style-type: none"> ▪ Studies concerning the depollution processes of some gaseous streams containing volatile organic compounds. 	ISCDE 8
2002 - 2003	<p>Master of Science in Environmental Management, Diploma no. 955/3.04.2008, Diploma serial C. no. 0013019</p> <p>"Gheorghe Asachi" Technical University of Iasi, Faculty of Industrial Chemistry, 73 Blvd. Prof. Dimitrie Mangeron, 700050 Iasi, Romania</p> <ul style="list-style-type: none"> ▪ Ecology and environmental protection; ▪ Environmental audit; ▪ Life cycle assessment; ▪ Risk estimation and management; ▪ Environmental policy making; ▪ Cost-profit analysis in environmental protection; ▪ Research for dissertation. <p>(Graduation note -10, Dissertation Exam – 10)</p>	ISCDE 7
1997 - 2002	<p>Diplomat Engineer, Diploma no. 68273 from 21.01.2004, Diploma serial C, no. 0006304</p>	ISCDE 6

"Gheorghe Asachi" Technical University of Iasi, Faculty of Industrial Chemistry, 73 Blvd. Prof. Dimitrie Mangeron, 700050 Iasi, Romania

- Environmental Biodiversity;
 - Analytical Chemistry and Instrumental Analysis;
 - Environmental Microbiology;
 - Fundamentals of Soil Sciences;
 - Chemical and Biochemical Thermodynamic and Kinetics;
 - Transfer Phenomena and Unit Operation;
 - Biotechnologies in Environmental Protection;
 - Waste Treatment, Valorisation and Management;
 - Bioremediation;
 - Technologies and Biotechnologies for Wastewater Treatment;
 - Integrated Pollution Prevention and Control;
 - Technologies for Soil Decontamination;
- Note obtained at diploma exam: 10, General average: 9,87**

1999 - 2002 **Graduation Certificate of Pedagogical Training Program**, Certificate no. 641/3.04.2008, Certificat serial D, no. 0032277
 Gheorghe Asachi" Technical University of Iasi, Romania, Department of Teacher Training

- Replace with a list of principal subjects covered or skills acquired
- Educational Psychology;
- Pedagogy
- Methodology of curriculum
- Teaching practice.

1993 - 1997 **High Scholl Diploma, No. 6254/1997, Diploma serial P, no. 0297650** ISCDE 3
 "Eudoxiu Hurmuzachi" High Scholl, Radauti, Suceava, Romania

- Specialization in Chemistry-Biology

PERSONAL SKILLS

Mother tongue(s) **Romanian**

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	C1	B2	B2	B2
	Replace with name of language certificate. Enter level if known.				
French	B2	C1	B1	B1	B1
	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

- good communication skills gained through my teaching experience (> 20 years of experience) and through participation in various scientific events;
- ability to establish and maintain good working relations with people of different national and cultural backgrounds gained through my work experience abroad and in academic institute;

- Organisational / managerial skills**
- Good experience in project management/cooperation of/in research activities and educational projects with national and international funding or in structural funded projects;
 - Good abilities in organization and management of educational and research activities as the level of faculty gained as member of various commission at department or faculty level (e.g. internal evaluation, faculty admission commission, diploma exam, dissertation defend, student scientific session etc.)
 - Co-organizer and session chairperson of the International Conference of Environmental Engineering and Management, since 2004 (www.iceem.eu);

- Technical skills and competences**
- Research areas:**
- Physico-chemical processes applied for the purification of gaseous fluxes;
 - Sampling, control and monitoring of air quality;
 - Materials characterization;
 - Modeling and optimization of chemical and environmental engineering processes;

Scientific activity:

- PhD thesis entitled *Studies concerning the depollution processes of some gaseous streams containing volatile organic compounds*;
- 1 book;
- 11 scientific papers published (9 ISI/BDI, 2 in conference proceedings);
- 18 participation as author on scientific events;

Didactical activity:

- Technologies for atmosphere protecting – course, application, project (Bachelor studies);
- Materials science – application (Bachelor studies);
- Analysis and synthesis of technological processes – application (Bachelor studies);
- Industrial waste management – course, application (Master studies);
- Ecolabelling – course, application (Master studies);

- Computer skills**
- good command of Microsoft Office™ tools
 - Competent with soft for chemical engineering: OriginLab, SimaPro

- Other competences:**
- International specialization:**
- Viziting professor at Politecnico di Torino, **Italia**, Iunie 2015, University of Pannonia, Veszprem, **Hungary** (septembrie 2014, septembrie 2013, septembrie 2011);
 - Internship at Institute of Environmental Engineering, University of Pannonia, Veszprem, **Hungary** (octombrie 2012);
 - Research and documentation internship at Laboratoire d' Application de la Chimie a l' Environnement – LACE, Universite Claude Bernard Lyon I, **France**, aprilie – iulie 2004;

Professional trainings:

- **Sustainable practices in environmental and waste management in rural communities**, in the framework of project Environmental Education – OERs for Rural Citizens, EnvEdu-OERs, cod project 19-COP-0038, Iași, 27 mai 2022;
- **Improvement of university teaching staff by deepening the postmodern methods of teaching-learning-evaluation** in the framework of project CNFIS-FDI-2017-0065, PERF-DEONTETIC, Iași, octombrie-decembrie 2017;
- **Concepts in Environmental Science and Engineering**, Michigan State University, Institute of International Health and Fogarty, International Center Program on Environmental Health, - Certificate of Completion, iunie 2009;
- **Multiplier of environmental European information** in the framework of project Young people and environmental protection from perspective of integration into the European Union, march 2006;
- **Environmental management and policies for sustainable production and consumption**, UTI, Universitatea Lund, Suedia, Iași, octombrie 2005, Romania.
- **Eco-certification in tourism**, mai 2005, Iași Romania.

Other competences: **Membership in organizations and professional groups:**

- Member of Environmental Engineering and Impact Assessment Research Centre;
- Member of Academic Organization of Environmental Engineering and Sustainable Development;
- Member of ART-ING ("RADU Z. TUDOSE" Association of Teaching Staff and Graduates of the "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection in Iasi);
- Member of Romanian Society of Chemistry;

Awards:

- **Diploma of Excellence and Inventica Medal 2008** awarded by the Society of Inventors from Romania and the National Institute of Invention, Iasi for the paper *The utilization of Macronet polymer for decontamination of gaseous fluxes with volatile organic compounds*, International Jubilee Exhibition of Research, Inventions and Technological Transfer, INVENTICA 2008, May 14-24, 2008, Iasi, Romania

Participation at more than 30 international/national conferences, workshop, seminars (selection):

- *International Conference on Environmental Engineering and Management*, ICEEM11 (8-10 Sept. 2021, Muttenz, Switzerland), ICEEM10 (18-21 Sept. 2019, Iasi, Romania), ICEEM09 (6-9 Sept. 2017, Bologna, Italy), ICEEM08 (9-12 Sept., 2015, Iasi, Romania), ICEEM07 (18-21 Sept. 2013, Vienna, Austria), ICEEM06 (1-4 Sept. 2011, Balatonalmadi, Hungary), ICEEM05 (15-19 sept. 2009, Tulcea, Danube Delta, Romania), ICEEM04 (12-15 sept. 2007, Iasi, România), ICEEM03 (21-24 sept. 2006, Iasi, România), ICEEM02 (23-26 sept. 2004 Iasi), www.iceem.eu;
- *International Conference Centenary of Education in Chemical Engineering - CECE*, Iasi, România, 28-30 nov. 2012, www.ch.tuiasi.ro/CNIC2012;
- Workshop *Progress in environmental engineering, biotechnology and management in the frame of knowledge-based sustainable economy*, Exploratory Workshop IDEI Project PN-II-ID-PCE-2011-3-0559, contract 60/2012, Iasi, 19-21 September 2012;
- Workshop *Globalization of water and the water footprint of humanity*, Prof. Arjen Hoekstra, "Gheorghe Asachi" Technical University from Iasi, 3 May 2012, Iasi, România;
- Workshop *Challenges for sustainability in environmental research and education*, organized by OAIMDD and Environmental and Engineering Department, Tulcea, 16.09.2009;
- Training session *Integrated network for sustainable management of water resources*, CEEX SIWMANET, Modul III, organized by Chemical Engineering Faculty, "Gh. Asachi" Technical University, Iasi, 10 nov. 2006;
- Workshop *Environmental reporting in the context of sustainable development*, organized by OAIMDD and Environmental and Engineering Department in collaboration with IIIEE, Lund University, Suedia, 17 – 26 april 2006, Iasi;

Driving licence ▪ Yes, B category

March, 2023

Lecturer, dr. eng. Marilena-Adela Buburuzan