

CURRICULUM VITAE



Personal information

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Employer

"Gheorghe Asachi" Technical University of Iasi,
 Faculty of Chemical Engineering and Environmental Protection „Cristofor Simionescu”,
 Department of Environmental Engineering and Management.

Field of interest Experience

Environmental Engineering

>22 years work experience

	2013 - present	2009 - 2013	2005-2009
Occupation or position held	Assoc. Professor dr. habil.	<i>Intermediate Professor</i>	<i>Assistant Professor</i>
Main activities and responsibilities	<i>Educational, teaching and research activities and administrative work Permanent positions.</i>		
Name and address of the employer	Gheorghe Asachi" Technical University of Iasi, Faculty of Chemical Engineering and Environmental Protection „Cristofor Simionescu”, Department of Environmental Engineering and Management, Blvd. Dimitrie Mangeron 73, 700050 Iasi		
Type of business or sector	<i>Higher Education and Scientific Research</i>		
	2006-2008		
Occupation or position held	Post-doc researcher		
Main activities and responsibilities	<i>Scientific research in the field of environmental engineering, environmental management, and impact and risk assessment - – Research Center Environmental Engineering and Impact Assessment</i>		
Name and address of the employer	Gheorghe Asachi" Technical University of Iasi, Faculty of Chemical Engineering and Environmental Protection „Cristofor Simionescu”, Department of Environmental Engineering and Management.		
	2001-2005		
Occupation or position held	Researcher, Ph.D. student		
Main activities and responsibilities	Scientific research in the field of environmental engineering, impact and risk assessment.		
Name and address of the employer	Gheorghe Asachi" Technical University of Iasi, Faculty of Chemical Engineering and Environmental Protection „Cristofor Simionescu”, Department of Environmental Engineering and Management.		

Education

Title of qualification / certificate / diploma **Habilitation certificate (Ph.D. coordinator) in the field of Environmental Engineering**
 Studied disciplines / professional competences / **Certificate no. 6331 issued on 22.12.2020 by the National Ministry of Education and Research**

skills and abilities	
Name and address of the institution	„Gheorghe Asachi” Technical University of Iasi, Doctoral School of the Faculty of Chemical Engineering and Environmental Protection „Cristofor Simionescu”, Iasi, Romania
Title of qualification / certificate / diploma	Post-doc exchange visitor, 2008
Studied disciplines / professional competences / skills and abilities	Environmental Engineering and Impact Assessment
Name and address of the institution	State University of New York at Buffalo, USA School of Engineering and Applied Sciences, Department of Civil, Structural and Environmental Engineering, supervisor Professor Scott Weber.
Title of qualification / certificate / diploma	Ph.D. in Chemical Engineering, 2005 Diploma no. 5657 /12.12.2005, diploma serial C nr 0008108, issued by the National Ministry for Education and Research
Studied disciplines / professional competences / skills and abilities	Contribution to the environmental impact and risk assessment in case of industrial activities
Name and address of the institution	„Gheorghe Asachi” Technical University of Iasi, Romania
Title of qualification / certificate / diploma	Master of Science in Environmental Engineering domain, 2002
Studied disciplines / professional competences / skills and abilities	Environmental Management Program (studied topics: Environmental impact, Environmental risk assessment, Integrated Environmental management, Life cycle assessment, Cost- benefits analyses).
Name and address of the institution	“Gheorghe Asachi” Technical University of Iasi, Romania.
Title of qualification / certificate / diploma	B.Sc. in Environmental Engineering domain, 2001
Studied disciplines / professional competences / skills and abilities	Specialization - Technologies and biotechnologies for environmental protection (covering impact, risk assessment, air, soil and water protection, remediation technologies, policies and strategies)
Name and address of the institution	“Gheorghe Asachi” Technical University of Iasi, Romania

Professional training

- 2022** „Academic quality, ethics, and integrity”, training course within the project “Development of quality culture by disseminating ethical norms and creative teaching-learning methods and modernizing the teaching infrastructure to strengthen student-centered education (CADEC)”, TUIASI, series 2022.
- 2022** Training course „ **Career counselling and guidance**”, graduation certificate issued in 2022.
- 2022** “Public speaking, conflict management and multiple intelligence”, organized by CRU-TUIASI.
- 2021** ” Ambassador at TUIASI. Global Ambassador”, organized by “Gheorghe Asachi” Technical University of Iasi, Romania, within the international project – Internationalization by multiculturalism and opportunities for experiences valorization – MOVE, CNFIS-FDI-2021-0426.
- 2021** **Quality Management of Educational programs – distance learning courses and reduced frequency – Higher Quality Assurance organized by the Romanian Agency for Higher Educational Quality Assurance**, certificate no. 468-ID/IFR issued on 26th of March 2021.
- 2020** **Innovative entrepreneurship for teachers - “Gheorghe Asachi” Technical University of Iasi, Romania.**

- 2020 **Entrepreneurial tools and competencies for teachers and their students** - online Teacher Training Platform – Europass Teacher Academy.
- 2020 **Empower your online public speaking competences** - “Gheorghe Asachi” Technical University of Iasi, Romania.
- 2020 **Training on quality assurance in higher education – ARACIS.**
- 2018 **Trainer in Environmental Sciences and Environmental Engineering field**, cod COR 242401. Diploma serial L, no. 002608.
- 2017 **Training seminar in Occupational and Environmental Health and Safety field**, Colorado State University.
- 2016 **Public speaking in English** - “Gheorghe Asachi” Technical University of Iasi, Romania.
- 2015 **Blended learning and modern educational tools for academia** – Technical University of Cluj Napoca, Romania.
- 2012 **Tools and modelling in impact assessment, Centre for Environmental Research, Leipzig, Germania**
- 2009 **„Concepts in Environmental Science and Engineering”**, Institute of International Health and Fogarty International Centre Program on Environmental Health Training and Research in Environmental Health in The Balkans, Michigan State University, USA.
- 2004 **Contaminated soil assessment and remediation technologies into protect the groundwater - Marie Curie Training Site, Technical University of Hamburg, Germania**
- 2004 **Trends in remediation of soils and sediments, Department of Environmental Technology, Wageningen University, The Netherlands.**

Organizational skills and competences

1. **Deputy Director** of Environmental Engineering and Management Department, TUIASI, since 2012.
2. Member of Professorial Council of Faculty of Chemical Engineering and Environmental Protection, (administrative structure), TUIASI, since 2009.

Good experience in project management/cooperation of/in research and educational projects with national and international funding or EU projects (European Social Fund, projects financed by EC-FP6, EC-FP5, MATRA program, INTERREG, EC-Socrates etc.). Very good abilities in organization and management of educational and research activities at the level of university and faculty, member of various commissions at the department or faculty level (e.g. internal evaluations, students national contests etc.).

Important contributions for the initiation, development, and coordination of the environmental specializations at the level of B.Sc. and M.Sc. as well as for the development of the research network in Environmental Engineering and Management in the most important universities in Romania and for collaboration with European universities. Co-organizer and sessions chairperson of the International Conference Environmental Engineering and Management (www.iceem.eu), since 2002.

Technical skills and competences

Research areas:

- Environmental impact and risk assessment
- Environmental management (natural resources management, decision-making support tools)
- Integrated pollution prevention and control
- Integrated Water Management.

Scientific research activity (see Appendix 1):

- PhD thesis entitled Impact and risk assessment induced in the environment by industrial activities (new integrated method for impact and risk assessment was elaborated and applied for different industrial activities considering the measured concentrations of pollutants);
- **17 books/chapters published** in editions under the recognition of the Romanian Ministry of Education.
- **87 scientific papers published** and under evaluation in international journals, from which 58 are ISI/BDI.
- **1 patent** no. 131395 / 2019, Mobile platform for surface water aeration, authors Antohi C., Sluser BM, Antonescu I., Cretescu I.

International scientific visibility on www.scopus.com considering Hirsch index, h = 15. Participation in projects/research grants/contracts (detailed in Annex 2): 69 projects (from

which responsible for 15 research contracts and collaborator in 54 research contracts, grants, projects, from which, 8 international grants).

Guest editor:

1. Journal Water (ISSN 2073-4441), Section Water Quality and Contamination, special issue Sustainable Water Management and Treatment, 2023, https://www.mdpi.com/journal/water/special_issues/L2FOPW3C8O.
2. Journal Safety (ISSN 2313-576X), special issue Environmental Risk Assessment—Health and Safety, 2023, https://www.mdpi.com/journal/safety/special_issues/OOX3ZJF3Q7.

Other international specializations

- Visiting Professor at Colorado State University, Denver, USA (September 2012-2022).
- Visiting Professor at New York State University at Buffalo, USA, 2022.
- Erasmus+ exchanges at Technical University of Vienna, Austria, Politehnica University Torino, Italy, Technical University from Napoli, Italy, Technical University from Bari Italy, University from Taragona, Spain, University from Lisbon, Portugal.
- - Library research within international project Knowledge transfer regarding cleaner production in Romania, at International Institute for Environmental Engineering and Economics, Lund, Sweden, Oct – Nov. 2003.
- Library research on environmental impact and risk assessment and management of industrial activities (SOCRATES ERASMUS fellowship) at Liverpool Hope University College, Liverpool, United Kingdom, April – July 2003.
- Research within International projects, Implementation of Environmental Management Systems in Dutch and Romanian factories, The Netherland, April – June 2000.
- Environmental Expert recognized by the Ministry for Environment and Climate Change, involved in projects developed under the Ministry of Education (National Agency for Scientific Research), Ministry of Regional Development (I am member in NE Regional Committee for Strategic Evaluation and Development), Ministry of Economics and Finances.

Other achievements A. Participation at more than 50 international conferences, workshop, seminars (selection)

Technical Fall Conference, American Industrial Hygiene Association, Denver, Colorado USA, 2012, 2016, 2018, 2020, 2021.

Health and Safety in work, May 2017, TUIASI, Romania

Environmental safety conferenced organized by National Ministry for Environment, July 2015, Bucharest, Romania.

Workshop on the European Social Fund Projects in Romania on 27/01/2010 09:00 - 28/01/2010, Iasi, Reference code: RTP 40009.

Workshop Challenges for sustainability in environmental research and education, TUIASI, 2009

Training seminars for project management, organized within POS CCE financial programs, trainer: Daniela Vlasceanu, 2008

Workshop SIWMANET Perspectives and European opportunities for integrated water resources management, TUIASI, 2007.

B. Awards (selection)

1. Gold medal and excellence diploma at INVENT-INVEST event, in 2016 and 2017 for the patent Mobile platform for surface water aeration, authors C.M. Antohi, B.M. Sluser, I. Antonescu, I. Cretescu.
2. Excellence diploma, INVENTICA event, in 2016, awarded by The National Institute for Research and Development for Agriculture equipment – INMA Bucharest.
3. Special prize awarded by the Romanian Association for Unconventional Technologies Bucharest 2016.
4. Romanian Final winner of Europe Enterprise Challenge, European contest organized for students by Junior Achievement of Young Enterprise, 2013, Ist prize at national level and IVth prize at European level. (2014).
5. The best scientific paper in 2012, awarded by the Springer for the scientific paper *Soil And Groundwater Cleanup: Benefits And Limits Of Emerging Technologies*, Florentina Anca Caliman, **Brindusa Mihaela Robu**, Camelia Betianu, Vasile Lucian Pavel, Maria Gavrilescu, **Clean Techn. Environ. Policy**, 13:241–268, (2011)

<http://jurnalul.ro/stiri/observator/premiul-international-pentru-cea-mai-buna-lucrare-stiintifica-a-anului-2012-acordat-unei-echipe-de-cercetatori-romani-640320.html>;

C. Member of organizations / associations

1. Member of **Air pollution and Noise** Committee of the **European Environmental Bureau**, Identification number 06798511314-27, International non-profit

- association, Bruxelles, Belgium.
2. Member of work group under the Romanian Ministry for Education, Centre for Educational Policies and Educational Programs, 2021.
 3. Member in National Committee for National Ministry of Research C3 (2015) – Energy, Environment and Climate Changes, decision ANCSI nr. 9186/04.05.2015.
 4. Member in Environmental experts committee as consultant for Romanian external policy for Sustainable Development (din 2016).
 5. Member of Technical Committee for Air Quality Management, City Hall Iasi, Romania, 2016.
 6. President of Academic Organization for Environmental Engineering and Sustainable Development, NGO Iasi, Romania, since 2014.
 7. Member of American Industrial Hygiene Association, **Colorado, USA.**
 8. Member of the National Society for Environmental Sciences and Engineering, Cluj Napoca, Romania.
 9. Member of Romanian Association of Environmental Experts, Bucharest, Romania, 2019.
 10. Reviewer of international journals: Journal of Environmental Management, Environmental Engineering and Management Journal, European Journal of Science and Theology, Proceedia Journal (BDI), Water Research, Current Environmental Engineering.
 11. Member of the organizing committee of international conferences, since 2002 (www.iceem.eu).

Foreign languages

	Understanding		Speaking		Writing
	Listening	Reading	Conversation	Speech	
English	B2	C1	B2	B2	B2
French	B1	B2	A2	A2	A2
German	A2	A2	A1	A1	A1

Social skills and competencies: Very adaptive, good communication skills, motivational skills, and leadership.

Appendix 1 – List of publications (A. Books; B. Scientific papers)

Appendix 2 – List of contracts/grants

March 2023

Assoc. Professor, dr. habil. eng. Brindusa Mihaela SLUSER