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Personal information

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Nationality Romanian

Date of birth May 12, 1967

Gender Female

Occupational field **Environmental Engineering; Chemical Engineering**

Professional work experience **29 years and 11 months**

Dates	Present (September 2020) – 1990
Occupation or position held	Associate Professor (2008-2020) ← Lecturer (2000-2007) ← Assistant professor (1993-2000) ← Preparer (1990-1993)
Main activities and responsibilities	Main activities: courses, laboratory/design works/seminars for Teaching/Training/Research/Innovation and Responsibilities: evaluation/assessment/scoring knowledge accumulation and proposed materials in education (teaching, practical research with students, laboratory and design works), tutor, and organizer of practice for students, scientific conferences/seminars for students, organizing member of international conferences/other international events, other research activities
Name and address of employer	'Gheorghe Asachi' Technical University of Iasi, Romania (TUIasi) 'Cristofor Simionescu' Faculty of Chemical Engineering and Environmental Protection (FCEEP) Department of Environmental Engineering and Management (EEM)
Type of business or sector	Education - Research - Innovation
Level in national or international classification	ISCED (EQF level 6) / ISCED (EQF level 7) / ISCED (EQF level 8)
Dates	January 1, 2018 – December, 2019
Occupation or position held	CP II Researcher
Main activities and responsibilities	Research activities (CCCDI-UEFISCDI research contract/project No. 29/2018 COFUND-MANUNET III AromaTex, title: „Manufacturing of value-added textiles for aromatherapy and skin care benefits”, within PNCDI III), laboratory analysis for emulsion characterization and preparation, individual/final research report, scientific article proposal
Name and address of employer	CCCDI-UEFISCDI, Coordinator: National Institute of Research and Development in Textiles and Leathers Industry (INCDITP) – general manager: Dr. Alina Popescu, Partner No.3: 'Gheorghe Asachi' Technical University of Iasi, Romania (TUIasi) – UTIasi responsible: Dr. Angela Daniilă
Type of business or sector	Research - Innovation
Level in national or international classification	International level in Scientific Research / ISCED (EQF level 8)

Dates	January, 2007 – December, 2010
Occupation or position held	CP II Researcher (Economic responsible)
Main activities and responsibilities	Research activities (Research contract/Partnership project No. 31-053/2007, P 53/2741 (ECOTEXENV), title: „Advanced environmental technologies in textile industry and integrated systems of supervision and prevention of wastewaters' pollution”, within PNCDI III), laboratory analysis of textile wastewater characteristics, studies of different individual and combined physical-chemical treatment processes proposed for solving real problems and concerns due to polluting loads of textile wastewaters and also modeling and optimization of different treatment systems, individual/final research report, scientific article proposals
Name and address of employer	CCCDI-UEFISCDI, Coordinator: National Institute of Research and Development in Textiles and Leathers (INCDTP), general project manager: Dr. Alina Popescu, Partner No.2: 'Gheorghe Asachi' Technical University of Iasi, Romania (TUIasi), responsible for partener UTIasi: Prof.dr. Augustin Muresan, Ph.D., Eng.
Type of business or sector	Research - Innovation
Level in national or international classification	International level in Scientific Research / ISCED (EQF level 8)
Dates	March 1 – May 31, 2004
Occupation or position held	CP III researcher
Main activities and responsibilities	Research activities (<i>international YSL research contract</i> : „L'extraction et le dosage des substances a etiqueter des produits cosmetiques et des produits de maquillage”), preparation of individual research activity report
Name and address of employer	Universite du Littoral Cote d'Opale, MREID Dunkerque, in collaboration with Centre Comun en Mesure-MREID, Dunkerque, and YSL Beaute & Research, Rouen, France, contract responsible: Prof.dr. Gheorghe Surpățeanu
Type of business or sector	Scientific Research - Innovation
Level in national or international classification	International level in Scientific Research / ISCED (EQF level 8)
Dates	January 3 – February 2, 2003
Title of qualification awarded	Mître de conference invité
Principal subjects/occupational skills covered	Trainer specialization in „ <i>Methodes d'analyse en solution des polluants atmospheriques</i> ”
Name and type of organisation providing education and training	Université du Littoral Cote d'Opale, Laboratoire de Synthese Organique, Dunkerque, France; official invitation and position in the French Cooperation Protocol; coordinator: Prof.dr. Gheorghe Surpățeanu
Type of business or sector	Education / Scientific Research / Innovation
Level in national or international classification	International level / ISCED (EQF level 7 / 8)
Dates	October 2000 - December 2002
Occupation or position held	CP III researcher
Main activities and responsibilities	Research activities (<i>WTZ international Project 99/008 in association with Romanian Contract No. C 17172/1999</i> , “Concepts and Methodologies to Minimise Environmental Impact from Industrial Wastewaters - Textile Industry. A Case Study”; research report, and scientific article preparation/proposal
Name and address of employer	German Ministry of Education and Research – Institute of Ecological Chemistry, Neuherberg, München; Romanian Minister of Education and Research – 'Gheorghe Asachi' Technical University of Iasi, director (Germany): prof. A. Kettrup (Technical University of Munchen), contract responsible: Dr. Yefer Yediler (Institute of Ecological Chemistry, Neuherberg-Munchen), director (RO): prof. Matei Macoveanu, contract responsible: Dr. Mariana Neamtu
Type of business or sector	Scientific Research
Level in national or international classification	International scientific research / ISCED (EQF level 8)

Dates	1995 - 2008
Occupation or position held	- <i>Responsible manager/director</i> of 10 research contracts with different economic companies through Research Center: „Environmental Engineering and Impact Evaluation”, enrolled by Center of Research and Technological Transfer - CCTT Polytech Iași, „Gheorghe Asachi” Technical University of Iași
Main activities and responsibilities	- <i>Team member</i> in 32 research contracts with different economic companies through Research Center: „Environmental Engineering and Impact Evaluation”, enrolled by Center of Research and Technological Transfer - CCTT Polytech Iași, „Gheorghe Asachi” Technical University of Iași
Name and address of employer	Research activities; final contract reports; analysis bulletins; environmental balances; impact studies
Type of business or sector	Different Romanian Companies, and ‘Gheorghe Asachi’ Technical University of Iasi, Romania
Dates	2000-2002
Occupation or position held	<i>Researcher CP III / Team member</i>
Main activities and responsibilities	Research activities <i>in ANSTI grant</i> no. 6177/2000: “Treatment of wastewater with high content of dyes”, grant director: Dr. Mariana Neamțu; preparation of annual financial project report
Name and address of employer	Romanian Minister of Education and Research; ‘Gheorghe Asachi’ Technical University of Iasi
Type of business or sector	Education – Research - Innovation
Dates	1999-2000
Occupation or position held	<i>Team member in international USAID project</i> - EcoLinks Challenge Grant Agreement, Grant No: CG1-RO-20 1999-2000: „Recycling and reuse of PET waste in Iași county, Romania”, grant director: Prof.dr. Matei Macoveanu
Main activities and responsibilities	Research activities, preparation of periodic reports, materials for final project report, workshop
Name and address of employer	USAID - U.S. Institute of Development; ‘Gheorghe Asachi’ Technical University of Iasi, Romania
Type of business or sector	Education – Research - Innovation
Dates	1991-1994
Occupation or position held	<i>Team member</i> in research projects with Romanian Ministry of Education and Research: <i>Contract no. 2574/1991</i> : “Researches concerning the increasing of wastewater treatment degrees, simultaneously with increasing of water passing rate through settlement tank” <i>Contact no. 2571/1991</i> : “Unconventional technologies. Electrochemical methods of synthesis and degradation of some chemical compounds” <i>Contract no. 4519/1991</i> : „Depollution of wastewaters from evaporation installation of black sulphate lyes by H ₂ S stripping” <i>Contract no. 2474/1993</i> : „Researches concerning the increasing of wastewaters treatment degree by flocculation using anionic polyelectrolytes” (scientific responsible) <i>Contract no. 3002/1994</i> , theme A2: „Applications of polyelectrolytes in waters and wastewaters treatment” (scientific responsible)
Main activities and responsibilities	Research activities, annual and final contract reports, materials for scientific publications
Name and address of employer	Romanian Minister of Education; ‘Gheorghe Asachi’ Technical University of Iasi
Type of business or sector	Education – Research – Innovation / ISCED (EQF level 8)
Dates	1992 – 2000
Title of qualification awarded	Doctor diploma, specialization: Chemical Engineering
Principal subjects/occupational skills covered	Ph.D. program, topic: ‘ <i>Optimization of some wastewaters treatment using different types of polyelectrolytes</i> ’, scientific coordinator: Prof. Dr. Matei Macoveanu
Name and type of organisation providing education and training	TU Iasi - ‘Gheorghe Asachi’ Technical University of Iasi, Romania
Type of business or sector	Education - Research – Innovation
Level in national or international classification	ISCED (EQF level 8)

Education and training

Dates	September 27-30, 2018
Title of qualification awarded	Specialization in Innovative Wastewater Treatment and Mathematical Modeling
Principal subjects/occupational skills covered	Courses and applications in the 4th Advanced Course on Innovative Wastewater Treatment and Mathematical Modeling, course chair: Prof. Giorgio MANNINA, and lecturers: Prof. Kartik CHANDRAN, Prof. George EKAMA, Prof. Jacek MAKINIA, Prof. Giorgio MANNINA, Prof. Em. Hallvard ODEGAARD, Prof. Em. Gustaf OLSSON
Name and type of organisation providing education and training	Università Degli Di Palermo, Department of Civil, Environmental, Aerospace, Materials Engineering, Palermo University, Italy
Level in national or international classification	International level / ISCED (EQF level 8)
Dates	June 19, 2018 / October 10-11, 2013 / June 29-30, 2011 / June 1-2, 2009
Title of qualification awarded	Former / Trainer in 'Cosmetics Education'
Principal subjects/occupational skills covered	Courses and workshops „ <i>Ecaterina Merica</i> ” <i>Education Program in Cosmetics</i> ”, Iași (2009, 2011, 2013, 2018), skills in: Environmental legislation in cosmetics; Advances in Cosmetics Science and Production; Biotechnologies in cosmetics production; Sustainable consumption and production of cosmetics; Cosmetology – looking to the future; Advanced Skin Science; certificate of attendance
Name and type of organisation providing education and training	International Federation of Societies of Cosmetic Chemists (IFSCC) (IFSCC delegates: Prof.dr. Johann WIECHERS, Prof.dr. Luigi RIGANO, Prof.dr Randall WICKETT; Ms. Judi BEERLING, Dr. Tony GOUGH); Romanian Society of Cosmetic Chemists (RSCC) (president: Prof.dr.Maria LUNGU)
Level in national or international classification	International level / ISCED (EQF level 8)
Dates	May – June, 2008
Title of qualification awarded	Former / Trainer in “ <i>Methods and Techniques of Environmental Impact Quantification</i> ” and “ <i>Environmental Audit</i> ”, scientific coordinator: Prof.dr. Matei Macoveanu
Principal subjects/ occupational skills covered	Environmental impact assessment, impact quantification methods, estimation of real pollution state of environment (air, water, soil); Environmental audit; Environmental control methods
Name and type of organization providing education and training	TUlasi – Faculty of Chemical Engineering and Environmental Protection, Department of Environmental Engineering and Management; participation certificate
Level in national or international classification	National / International level / ISCED (EQF level 8)
Dates	October 28-29, 2005
Title of qualification awarded	Former / Trainer in “ <i>Environmental Management and Policies for Sustainable Production and Consumption</i> ”
Principal subjects/occupational skills covered	Environmental management; Environmental policies; Sustainable production; Sustainable consumption
Name and type of organization providing education and training	OAIMDD – Academic Organization for Environmental Engineering and Sustainable Development, Iași; International Institute for Industrial Environment Economics, Lund, Sweden (delegate: Prof. Thomas Lindqvist); participation certificate
Level in national or international classification	International level / ISCED (EQF level 7)
Dates	April 19, 2005
Title of qualification awarded	Former/ Trainer in „ <i>Image Analysis Applications in Biological Wastewater Treatment Process</i> ”
Principal subjects/occupational skills covered	Biological processes in wastewater treatment – international workshop
Name and type of organization providing education and training	Department of Environmental Engineering and Management – TUlasi and Department of Biological Engineering - University of Minho (Socrates/Erasmus program); participation diploma/certificate
Level in national or international classification	International level / ISCED (EQF level 7/8)

Dates	November 13, 2000
Title of qualification awarded	Former in 'Recycling and reuse of PET wastes and packaging wastes' – international courses/workshop
Principal subjects/occupational skills covered	Management of plastic wastes and plastic packaging wastes (PET)
Name and type of organization providing education and training	USAID - U.S. Agency for International Development; Ecolinks project workshop CG1-RO-20; TUlasi - Technical University of Iasi, Faculty of Chemical Engineering, coordinator: Prof.dr. M. Macoveanu
Level in national or international classification	International level / ISCED (EQF level 7/8)
Dates	July 21-30, 2000
Title of qualification awarded	Trainer in „Energy conversion, conservation and environmental impact” - Summer International School
Principal subjects/occupational skills covered	Energy and environment; energy transformation; environmental impact
Name and type of organization providing education and training	Black Sea University Network - Centre for Advanced Engineering Sciences, „Ovidius” University, Constanța, Romania (Summer School Directors: Prof.dr. Adrian Bejan, Prof.dr. Michel Feidt); participation diploma/certificate
Level in national or international classification	Intensive international courses / ISCED (EQF level 8)
Dates	April 28-29, 1998
Title of qualification awarded	Trainer in “Bioethics” and “Environmental Engineering” - International Workshop
Principal subjects/occupational skills covered	Environmental engineering and bioethics - International courses (seminars)
Name and type of organization providing education and training	TUlasi - Technical University of Iasi, Faculty of Chemical Engineering
Level in national or international classification	International level (participation of specialists from Italy and Chișinău, Republic of Moldova)/ ISCED (EQF level 7/8)
Dates	June 13-27, 1996
Title of qualification awarded	Trainer in "Political Economy of the Environment Training of Trainers Workshop" International courses (workshop) Bucuresti
Principal subjects/occupational skills covered	Environment protection, Policy and economy; Environmental impact and risk assessment; Cost analysis; Sustainable development; Environment and energy etc.
Name and type of organization providing education and training	Economic Development Institute of World Bank, SUA; Netherlands Government representatives, and 'Politehnica' University of Bucuresti; participation certificate
Level in national or international classification	International level / ISCED (EQF level 7/8)
Dates	April 1993
Title of qualification awarded	Trainer in 'Environment and products quality control' - Technical Seminar (workshop)
Principal subjects/occupational skills covered	Different aspects concerning environment (air, water, soil) quality; products quality; control of quality; practice on advanced analytical equipments (UV-VIS spectrophotometers, pH-meters; AAE spectrometry; gel chromatography; FTIR spectroscopy, other advanced analyzers (water, air and soil quality indicators)
Name and type of organization providing education and training	TUlasi – 'Gheorghe Asachi' Technical University of Iasi, Faculty of Chemical Engineering, with participation of ANALYTIC JENA GmbH – Germany; HACH and Perkin Elmer Company, USA
Level in national or international classification	International level / ISCED (EQF level 6/7/8)
Dates	1992 - 2000
Title of qualification awarded	Doctor diploma, specialization: Chemical Engineering
Principal subjects/occupational skills covered	Ph.D. program, topic: 'Optimization of some wastewaters treatment using polyelectrolytes'
Name and type of organization providing education and training	TUlasi - 'Gheorghe Asachi' Technical University of Iasi, Romania

Type of business or sector	Education - Research - Innovation																																								
Level in national or international classification	ISCED (EQF level 8)																																								
Dates	1985 - 1990																																								
Title of qualification awarded	Chemical Engineer																																								
Principal subjects/occupational skills covered	Bachelor in specialization: Technology of Macromolecular Compounds (TCM), covering knowledge in: chemistry (macromolecular, organic, inorganic, analytical), scientific concept and technical designing, basis of chemical technologies, general analysis of chemical processes; operations and technologies in chemical industry, chemical engineering, process optimization, research and work organization, scientific coordinator of final Bachelor project: Prof.dr. Severian Dumitriu																																								
Name and type of organisation providing education and training	TU Iasi - 'Gheorghe Asachi' Polytechnic Institute of Iasi, Romania, Faculty of Chemical Industry; Engineer diploma																																								
Level in national or international classification	ISCED (EQF level 6)																																								
Personal skills and competences																																									
Mother tongue(s)	Romanian																																								
Other language(s)																																									
Self-assessment <i>European level (*)</i>																																									
Language English																																									
Language French																																									
	<table border="1"> <thead> <tr> <th colspan="4">Understanding</th> <th colspan="4">Speaking</th> <th colspan="2">Writing</th> </tr> <tr> <th colspan="2">Listening</th> <th colspan="2">Reading</th> <th colspan="2">Spoken interaction</th> <th colspan="2">Spoken production</th> <th colspan="2"></th> </tr> </thead> <tbody> <tr> <td>C1</td> <td>Independent user</td> <td>C2</td> <td>Independent user</td> <td>C1</td> <td>Independent user</td> <td>C1</td> <td>Independent user</td> <td>C2</td> <td>Independent user</td> </tr> <tr> <td>C1</td> <td>Independent user</td> <td>C2</td> <td>Independent user</td> <td>B2</td> <td>Independent user</td> <td>B2</td> <td>Independent user</td> <td>B2</td> <td>Independent user</td> </tr> </tbody> </table>	Understanding				Speaking				Writing		Listening		Reading		Spoken interaction		Spoken production				C1	Independent user	C2	Independent user	C1	Independent user	C1	Independent user	C2	Independent user	C1	Independent user	C2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user
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C1	Independent user	C2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user																																
	(*) <i>Common European Framework of Reference for Languages</i>																																								
Social skills and competences	- Good advisor, mediator, and team worker; good experience in projects and team/project management (scientific and economic aspects)																																								
Organizational skills and competences	- Tutor for students (more than 55 students), each year from 2007; - Supervisor for Bachelor diploma project – from 1999 - present (more than 88 projects); - Supervisor for dissertation diploma project – from 2003 (more than 70 projects) - Manager of research projects with industrial companies, or for internal research of students - Organizer, or member in organizing team of more than 16 Scientific Conference/Symposium/Workshop for researchers, specialists and students																																								
Technical skills and competences	Wastewater treatment; water treatment; environmental chemistry; qualitative and quantitative analysis of environment (water resources, soil, air); evaluation of environment pollution level; environmental impact assessment; waste management and treatment valorization technologies; process modeling, simulation and optimization in environmental protection; energy and environment; environmental legislation, sustainable energy production etc.																																								
Computer skills and competences	Competences in working with Microsoft packages, i.e. Word, Excel, PowerPoint; Win Surf, e-mail																																								
Artistic skills and competences	Writing abilities; good listener (old music, poetry, theatre); painting skills																																								
Other skills and competences	Consulting and Expertise in Environmental Engineering and Science; Reviewer for international and national journals and books; Book editor																																								
Driving licence	Automobile driver (B)																																								

Additional information -**Scientific activity:****PUBLICATIONS:**

(h-index_Web of Science=12 (Publons_h-index=13); h-index_Scopus=11; h-index_Google Scholar=18)

- **21 scientific books** (16 (13 first/single author), 5 editor),
- **3 chapters** (1 first/single author) in books published in international publishing houses from abroad (Nova Scientific Publishers Inc., NY, U.S.A.; InTech, Reijeka, Croatia),
- **12 chapters** (in English) (7 first/single author) in nationally recognized books (CNCS) ('Al.I. Cuza' University Publishing House, Iasi, Romania),
- **7 university manuals** published in local publishing houses (UTIASI) or electronic: 4 (3 first/single author) and 3 (2 volumes – practice laboratory test and problems, e-manual: <http://www12.tuiasi.ro/facultati/hidro/index.php?page=806> and 1 manual EMIT moodle platform)
- **53 ISI articles** (25 first/single author),
- **77 articles IDB** (50 first/single author) included in international data bases (IDB), in numerous university bulletins, annals and other journals recognized by CNCS (National Council for Scientific Research),
- **77 articles** (46 first/single author) in proceedings of international and national conferences/scientific events in environmental, chemical engineering and others applied sciences, engineering, from which: **20** in ISI proceedings (14 first/single author), **19** in abroad international proceedings (12 first/single author), **33** in international proceeding in Romania (17 first/single author), and **5** national proceedings (4 first/single author),
- **3 conferences**, over **65** oral communications, over **30** research reports etc.

**Member in societies/
organizations:**

Technical Foundation for Environmental Protection (1995-present); Academic Association for Sustainable Development and Environmental Engineering Iasi (1997-present); Romanian Society of Chemical Engineering (1998-present); Romanian Society of Chemistry (2003-present); EUROCHEMS (2003-present); Romanian Society of Graduates of Faculty of Chemical Industry Iasi (2000-present); Cosmetic Chemists Society from Romania (2008-present); International Federation of Societies of Cosmetic Chemists (IFSCC) (2008-present); EURACHEMS (2003-present); Balkan Environmental Association-BENA, Greece (2009-2012); IWA International Water Association (IWA) (2018-present).

**Member in editorial boards /
scientific committees:**

- Editor of scientific book (in English) (Current topics, concepts and research priorities in environmental chemistry, vol.I (2012), vol.II (2013), vol.III (2014), vol.IV (2015));
- Member in editorial board of international journal: American Journal of Environmental Protection (2012-2014), Journal of Pollution Control Effects (2016-2018); Bulletin of Polytechnic Institute of Iasi series: Chemistry and Chemical Engineering (2020)

Diplomas and awards:

- Diploma of Excellence Iasi 600 with Silver Medal, Inventica **2008**, Iasi-Romania; Diploma and Gold Medal, Inventica **2009**, Iasi-Romania; Diploma and Bronze Medal, EUROINVENT **2010**, Iasi-Romania; Diploma and Gold Medal, ProInvent **2012**, Cluj Napoca-Romania; Diploma and 'INVENTICA **2012**' Medal, Iasi-Romania; Diploma and Gold Medal, Salon New Time **2012**, Sevastopol-Ucraina; Diploma and Gold Medal, INVENTICA **2013**, Iasi-Romania; Diploma and Gold Medal, INVENTICA **2014**, Iasi-Romania; Diploma and Gold Medal, INVENTICA **2015**, Iasi-Romania; Diploma and Gold Medal, „Hamangia Thinker” **2015**, Iasi-Romania; Diploma and Bronze Medal, EUROINVENT **2016**, Technical-Scientific, Art and Library Book Salon, Iasi-Romania; Diploma with Gold Medal, INVENTICA **2017**, 28-30 June, Iasi, Romania; Diploma and Gold Medal, INVENT - INVEST **2017**, VIIIth Edition, October 9-12, Ungheni – Republic of Moldova; Diploma and Silver Medal, INVENT - INVEST **2017**, VIIIth Edition, October 9-12, Ungheni – Republic of Moldova; Diploma and Gold Medal, INVENT - INVEST **2018**, IXth Edition, October 12-15, Chisinau – Republic of Moldova; Diploma and Gold Medal, INVENT - INVEST **2019**, Xth Edition, May 9-12, Ploiesti – Romania; Excellence Diploma of Commerce and Industry Council Room, Prahova, INVENT - INVEST **2019**, Ploiesti-Romania

Date: 9.09.2020

Signature,

