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First name(s) / Surname(s) **CARMEN TEODOSIU**

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Nationality Romanian

Gender Female; Married, 2 children

Occupational field **Professor**, Chem. Eng. Diploma(1981), Master of Science in *Environmental Science and Technology* (1996), Ph.D. in *Chemistry* (1998); Post-graduate Specializations in Environmental Engineering and Management; PhD supervisor for the domains of **Environmental Engineering** (since 2009) and **Chemical Engineering** (since 2005).

Work experience **42 years**

Dates **February 2002 - present**

Occupation or position held **Professor** (since 2002-present), **PhD supervisor in Environmental Engineering** domain (*Ordinului Ministerului Educatiei, Cercetării si Inovarii nr. 4697/14.08.2009*), and **PhD supervisor in Chemical Engineering** domain (*Ordinului Ministrului Educației si Cercetării 5658/12.12.2005*). From 2005-present, **16** PhD candidates elaborated their PhD thesis and received their doctoral titles under my supervision. Post-doc supervisor (6 post-doc researchers coordinated since 2012)

Main activities and responsibilities Scientific research, didactic activities (bachelor studies, master studies, PhD studies, post-doc programs); management activities, implemented at university, faculty or company level, expert in national scientific councils and doctoral programs

Head of the Department Environmental Engineering and Management, “Cristofor Simionescu” Faculty of Chemical Engineering and Environmental Protection, “Gheorghe Asachi” Technical University of Iasi (TUIASI), (April 2016-present)

Vice Rector for scientific research at “Gheorghe Asachi” Technical University of Iasi (March 2008 – March 28, 2016)

Director of the Doctoral Schools of “Gheorghe Asachi” Technical University of Iasi, (March 2008 – August 2012)

Member of TUIASI Senate (March 2008 – April 2012; October 2018- March 2020)

Member of TUIASI Administration Council (March 2008 – March 2016)

Member of the National Research Council/ Consiliul National al Cercetarii Stiintifice (CNCS), Ordinul MECS 3011/2015 (January 2015- September 2016), President of the Engineering Sciences commission

Member of the National Council for Certification of Titles, Diplomas, and University Certificates /Consiliul Național de Atestare a Titlurilor, Diplomelor si Certificatelor Universitare (CNATDCU), **Environmental Engineering** domain: *Vice-president of the commission* (2020-2024), *Member of the commission*: 2008 - 2010 and *Member of the appeals committee* (2012-

2016)

Member of the National Registry of Experts for certification of research and development activities (Registrul Național al Experților pentru certificarea activității de cercetare-dezvoltare), Domain of smart specializations at national level: **6. Environment and Eco-technologies** (*Mediu și eco-tehnologii*), Ordinul MCID nr. 20242/13.02.2023

Member of the Doctoral Council of the Advanced Studies of the Romanian Academy (SCOSAAR) (2023-present)

Member of the Administration Council of SC APAVITAL SA Iasi (Regional Water Operator), 2016- 2020; 2022-2024)

Coordinator of the Laboratory for Analysis and Control of Environmental Factors (LACMED) at the Faculty of Chemical Engineering and Environmental Protection, TUIASI (February 2013-present). LACMED has ISO17025/2018 accreditation by RENAR (LI 1054/18.03.2015 și LI 1054/09.11.2020)

Responsible from TUIASI for the coordination of institutional evaluations realised for: ANCS/2009, MECS/2011, UEFISCDI-CNCS/2011, EUA/2012, UEFISCDI-IEMU/2015, CNFIS/2015

Vice-Dean with education and international relations, Faculty of Chemical Engineering and Environmental Protection (2004-2008)

- **Coordinator of the programs of study accredited by ARACIS** in the domain **ENVIRONMENTAL ENGINEERING: Environmental Engineering and Protection in Industry** (BSc); **Environmental Management** (MSc), **Environmental Management and Sustainable Energy** (MSc in English), **Waste Management, Treatment and Valorisation** (MSc)

Name and address of employer	“Gheorghe Asachi” Technical University of Iasi (TUIASI), “Cristofor Simionescu” Faculty of Chemical Engineering and Environmental Protection, Department of Environmental Engineering and Management
Type of business or sector	University studies and scientific research
Dates	2000 - 2002
Occupation or position held	Associate professor
Main activities and responsibilities	<i>Scientific research, didactic activities (Bachelor studies, Master studies, PhD studies), management activities</i> Coordinator of the Erasmus/Socrates programmes at the Faculty of Chemical Engineering and Environmental Protection level (2000- 2005)
Name and address of employer	“ Gheorghe Asachi” Technical University of Iasi, Faculty of Chemical Engineering and Environmental Protection, Department of Environmental Engineering and Management
Type of business or sector	University studies and scientific research
Dates	1996 - 2000
Occupation or position held	Lecturer
Main activities and responsibilities	<i>Scientific research, didactic activities</i>
Name and address of employer	“Gheorghe Asachi” Technical University of Iasi, Faculty of Chemical Engineering
Type of business or sector	University studies and scientific research
Dates	1990-1996
Occupation or position held	Assistant professor
Main activities and responsibilities	<i>Scientific research, didactic activities</i>
Name and address of employer	“ Gheorghe Asachi” Technical University of Iasi, Faculty of Chemical Engineering
Type of business or sector	University studies and scientific research
Dates	1989-1990
Occupation or position held	Assistant professor (temporary position)
Main activities and responsibilities	<i>Scientific research, didactic activities</i>

Name and address of employer " Gheorghe Asachi" Technical University of Iasi, Faculty of Chemical Engineering

Type of business or sector University studies and scientific research

Dates **1981-1989**

Occupation or position held Engineer

Main activities and responsibilities - coordinating the implementation of new assortments and technologies in obtaining new products
- coordinating the export production

Name and address of employer S.C. TEROM S.A, Iasi

Type of business or sector Fabrication of synthetic fibers and yarns, finishing products

Education/Specializations

Dates **1990 – 1998**

Calification/diploma obtained Diploma of Doctor (PhD) in Chemistry

Disciplines/ professional competencies gained PhD Thesis : "Optimization of advanced wastewater treatment for the removal of non-biodegradable organic pollutants and suspended solids"
Name and type of educational institution "Gheorghe Asachi" Technical University of Iasi, Romania

Dates **1995-1996**

Calification/diploma obtained Master of Science in **Environmental Science and Technology** (M.Sc. with distinction)

Disciplines/ professional competencies gained Grant and fellowship from Shell Research, The Netherlands

Disciplines/ professional competencies gained

Name and type of educational institution

Domain: Environmental Science and Technology

International Institute for Hydraulics and Environmental Engineering (IHE Delft Institute for Water Education), Delft, The Netherlands

Dates **1994-1995**

Calification/diploma obtained International post-graduate course in **Environmental Science and Technology** (Diploma with distinction)

Disciplines/ professional competencies gained

Name and type of educational institution

Grant funded by the Netherlands Fellowship Programme

Domain: Environmental Science and Technology

International Institute for Hydraulics and Environmental Engineering (IHE Delft Institute for Water Education), Delft, The Netherlands

Dates **1976-1981**

Calification/diploma obtained Chemical Engineer

Disciplines/ professional competencies gained

Name and type of educational institution

Chemical Engineering, Technology of organic substances

Institutul Politehnic "Gh. Asachi" Iasi, Facultatea de Tehnologie Chimica (at present "Gheorghe Asachi" Technical University of Iasi)

Personal skills and competences

Mother language (s) Romanian

Other language(s) (*) Common European Framework of Reference for Languages

Self-assessment

Understanding

Speaking

Writing

European level (*)

Listening

Reading

Spoken interaction

Spoken production

English

C2 Experimented user

C2 Experimented user

C2 Experimented user

C2 Experimented user

C2 Experimented user

French

C2 Experimented user

C2 Experimented user

C1 Experimented user

C1 Experimented user

C1 Experimented user

Italian

B2 Independent user

B2 Independent user

B1 Independent user

B1 Independent user

A2 Elementary user

Social skills and competences - creativity, leadership, adaptive capacity to multicultural medias
- vision and management capacity
- negotiation and communication abilities
- teamwork abilities and capacity of motivating multi-disciplinary teams.

Organisational skills and competences

- **A very good experience in project management of research and educational projects with national/international funding and in structural funded projects.** The majority of these projects are in the environmental field, with topics that are reflected by the research directions, publications and projects listed below.

- **Abilities for the organisation and management of educational and research activities at the level of university and faculty** (prof. Teodosiu has been elected/nominated for the functions of: Vice-Rector for Research (2008- 2016), Head of the Department Environmental Engineering and Management, TUIASI, (April 2016-present), Vice-dean with education and international activities (2004-2008), Socrates-Erasmus faculty programme co-ordinator (2001-2005), Bachelor and Master of Science programmes co-ordinator: *Environmental Management* programme, MSc programme (2000- present), *Environmental Management and Sustainable Energy*, MSc programme *in English* (2010-present), *Waste management, treatment and valorisation*, MSc programme (2018-present) etc.;

- **Important contributions for the initiation, development and coordination of the environmental specializations** at the level of B.Sc., M.Sc. and PhD, 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 important European universities active in the same fields;

- **Initiator and chairperson of the International Conference in Environmental Engineering and Management (ICEEM)** which in 2023 will be at its 12th edition (<http://www.iceem.tuiasi.ro>), with 4 editions abroad (Balaton, Hungary; Vienna, Austria; Bologna, Italy; Muttenz, Switzerland);

- **Coordinator of the Laboratory of Environmental Factors Analysis and Control (LACMED)**, Faculty of Chemical Engineering and Environmental Protection, since 2013. LACMED is certified by RENAR under ISO17025/2018 certification (LI 1054/18.03.2015 si LI 1054/09.11.2020) (<http://lacmed.icpm.tuiasi.ro>)

• **Co-tutelle agreements for coordination MSc and PhD students in the field of Environmental Engineering with:** Vienna University of Technology, Austria (1) Politecnico di Torino, Italy (5), Politecnico di Bari, Italy (1), Universite du Sud Toulon Var, France (1), Santiago di Compostella, Spain (1), Alma Mater Universita di Bologna, Italy (1), Universidade Paulista Brazil (3). **7 PhD thesis in co-tutelle** with foreign universities

Technical skills and Education (teaching activities- selection)

competences

• **Sustainability Indicators and Circular Economy** (courses, 2017- present), *Master of Science* Specializations: Environmental Management (daily courses), Environmental Management and Sustainable Energy (English taught courses), TUIASI;

• **Treatment technologies for drinking and industrial water** (courses, laboratories: 1997-2009), BSc specialization Environmental Engineering and Protection in Industry, TUIASI;

• **Technologies and Biotechnologies for Wastewater Treatment** (courses, laboratories, project design:1998-present), BSc specialization Environmental Engineering and Protection in Industry, TUIASI;

• **Environmental Integrated Management** (courses and projects, 1999-present), *Master of Science* Specializations: Environmental Management (daily and ODL courses), Environmental Management and Sustainable Energy (English taught courses), Engineering of Non-Polluting Processes, Waste management, treatment and valorisation, TUIASI;

• **Management of research projects and intellectual property rights**, (courses and project work, 2005-present), Doctoral School of the Faculty of Chemical Engineering and Environmental Protection, TUIASI;

• **Management of environmental projects**, (courses and seminars, 2005-2008), Master of Science programme in Project Management , etc.

Research areas:

- Wastewater Treatment Processes, advanced wastewater treatment for recycling of industrial effluents (membrane processes, catalytic processes, advanced oxidation, adsorption/biosorption, ion exchange);

- Water Treatment Processes for drinking or industrial use;

- Integrated Water Resources Management/ Integrated Environmental Management

- Environmental and sustainability assessments by means of various instruments (life cycle assessments, water footprint, carbon footprint, sustainability indicators, environmental integrated impact and risk assessment); Pollution Prevention in industrial activities.
- Waste management and valorization, wastewater recycling and reuse in the context of circular economy
- Process Modeling and Optimization in chemical and environmental processes;
- Continuous Education and Curricular Development Programs.

Scientific activity (publications and grants):

- Books and chapters published by Publishing Houses recognized at national/international level: **35**;
- Manuals edited locally (hand-outs for Master Programmes and Post-graduate courses): **9**;
- Courses in electronic format: **5**
- Articles published in international peer-reviewed journals (ISI ranked and included in international data bases) or published full text in conference volumens: **212** (out of which **185** articles in ISI ranked and international peer-reviewed journals)
- **3220** citations of the published papers in international ISI ranked journals, **Hirsch index, H= 31** in SCOPUS database, **H= 30** in ISI Web of Science databases, **H=36** in Google Scholar database
- Patents (national): **8**; Request for patents: **2**
- Conferences/key-note lectures presented at international/national recognized conferences: **182**
- PhD thesis: **1** ; MSc thesis: **1**;
- New technologies applied: **10**;

Research and development projects based on international and national grants: 258 projects, out of which:

- **19 international grants** (Prof. Teodosiu acted as grant manager/TUIASI project coordinator: **12 projects**);
 - **13 strategic projects** with structural funding POSDRU, POR, POC approx. 5 million Euro/project (in **1** acting as project manager, for **3** being the scientific director, for **6** being the responsible for TUIASI partner project activities, for **3** strategic projects nominated as an Expert);
 - **2 FDI institutional projects**;
- **224 Research and development projects based on national grants as follows: 33** projects gained in competitions such as CEEX, CNCSIS, PNCDI II, PNCDI III and **191** research contracts with industry/economic agents. In **132** of these projects Prof. Teodosiu has acted as project director, for other **59** projects acted as principal investigator/co-ordinated the research group.

Leader of the research group of Water, Wastewater& Waste engineering and management, consisting of 1 professor, 5 associate professors, 4 lecturers, 4 post-doc researchers and 15 PhD students. This group has experience in research activities in the fields of Integrated Water Resources Management, Water and Wastewater treatment, Solid waste treatment and management, Environmental assessments, Pollution prevention, Life Cycle Assessment, Carbon and Water Footprint, etc.

Awards, distinctions, Honorary degrees:

- 1. Doctor Honoris Causa** of the Pannonia University of Veszprem, Hungary, title received in **June 2011**
- 2. Anghel Saligny Prize of the Romanian Academy** (section Technical Sciences) for the group of articles published in ISI ranked journals (in 2015): *Integrated studies for the assessment and pollution remediation in the water natural and antropic cycle*. December 2017
- 3. Professor Emeritus** of the „Gheorghe Asachi” Technical University of Iasi, November 2022
- 4. Prize of Excellence in Research and „Gheorghe Asachi” Medals** for the coordination of the research group which attracted the highest private funding in research for the periods 2015-2017 (1 prize awarded in November 2018), Universitatea Tehnica „Gheorghe Asachi” din Iasi
- 5. Prize of Excellence in Research and „Gheorghe Asachi” Medal** for the researcher with the best performances in research for the period 2014-2016, November 2017, Universitatea

Tehnica „Gheorghe Asachi” din Iasi.

- 6. Prize of Excellence in Research and „Gheorghe Asachi” Medal** for the research group which attracted the highest private funding for research for the periods 2013-2015 (1 prize awarded in November 2016), Universitatea Tehnica „Gheorghe Asachi” din Iasi
- 7. Prize of Excellence in Research and „Gheorghe Asachi” Medal** for the coordination of the research group which attracted the highest public funding for research for the periods 2011-2013 (1 prize awarded in November 2014), Universitatea Tehnica „Gheorghe Asachi” din Iasi
- 8. Diploma with distinction** in Environmental Science and Technology, UNESCO-IHE Delft, The Netherlands, **1995**
- 9. Master of Science with distinction**, in Environmental Science and Technology, UNESCO-IHE Delft, The Netherlands, **1996**
- 10. Gold Medal and Diploma of Excellence of the Romanian Society of Inventors** for the patent "Reactor electrochimic pentru epurarea apelor uzate industriale" Targul International de Inventii si Idei Practice INVENT INVEST **2018**, Chisinau, Republica Moldova; Igor Cretescu, **Carmen Teodosiu**, Laura Zaleschi, Gabriela Soreanu, Ion Antonescu
- 11. Diploma and Gold Medal** for the patent "Reactor for electrochemical treatment of industrial wastewater", XIVth International Salon of Inventions and New Technologies, NEW TIME, Sevastopol, Federatia Rusa, 27- 29 Septembrie **2018**; Igor Cretescu, **Carmen Teodosiu**, Laura Zaleschi, Gabriela Soreanu, Ion Antonescu
- 12. Award for Excellence in Innovation** from State University "Dimitrie Cantemir", Chisinau, Invent-Invest 2018, Chisinau, Republica Moldova, 9-11 noiembrie **2018**, Igor Cretescu, **Carmen Teodosiu**, Laura Zaleschi, Gabriela Soreanu, Ion Antonescu
- 13. Diploma and Silver Medal** for the patent "Reactor for electrochemical treatment of industrial wastewater" Expozitia Internationala Specializata "INFOINVENT", 15-18 noiembrie **2017**, Chisinau, Republica Moldova, Igor Cretescu, Carmen Teodosiu, Laura Zaleschi, Gabriela Soreanu, Ion Antonescu
- 14. Gold Medal** for the Patent request: *Procedeu integrat de degradare chimică și separare pe membrane semipermeabile pentru epurarea apelor uzate conținând poluanți emergenți*, Autori: George Barjoveanu, **Carmen Teodosiu**, Cezar Catrinescu, Daniela Fighir, Daniela Gavrilescu, Corina Musteret. **The World Exhibition on Inventions, Research and New Technologies, Brussels Innova 17-19 Nov. 2016, Bruxelles, Belgia**
- 15. Gold Medal** for the Patent request: *Reactor pentru epurarea electrochimica a apelor uzate industriale*, Autori: Igor Cretescu, **Carmen Teodosiu**, Laura Zaleschi, Gabriela Soreanu, Ion Antonescu **World Exhibition on Inventions, Research and New Technologies, Brussels Innova 17-19 Nov. 2016, Bruxelles, Belgia**
- 16. Diploma de Excelenta si Medalia de Aur, Targul International de Inventii si Idei Practice INVENT-INVEST 15-18 Sept. 2016, Iasi, Romania.** Patent request: *Procedeu integrat de degradare chimică și separare pe membrane semipermeabile pentru epurarea apelor uzate conținând poluanți emergenți*, Autori: George Barjoveanu, **Carmen Teodosiu**, Cezar Catrinescu, Daniela Fighir, Daniela Gavrilescu, Corina Musteret
- 17. Diploma and Silver Medal** at the 16-th Edition of INVENTIKA Salon for Patents and Innovation, 15-18 October Bucuresti, **2014** (Reactor for electrochemical industrial wastewater treatment)
- 18. Diploma and Gold Medal** at the European Exhibition of Creativity and Innovation, EUROINVENT 2012, Iasi, Romania, Mai **2012**.
- 19. Diploma of Excellence for Innovative Research at European Exhibition of Creativity and Innovation, EUROINVENT 2012, Iasi, Romania, Mai 2012**
- 20. Diploma and Inventive Merit Award for Excellence** in Technical Innovation offered by the National Inventics Institute, **2010**
- 21. “Leonardo da Vinci” Award** offered by the Romanian Inventors Forum, **2010**
- 22. The Green Environment Award** at II European Exhibition of Creativity and Innovation, Iasi, Romania, 7th-9th of May **2010**,
- 23. Honorary Diploma of the Romanian Chemical Society, 2009**
- 24. Excellency Award and Gold Medal** at IX Specialized International Exhibition Infoinvent, Chisinau, Moldova, 24th-27th November **2009**,
- 25. Excellency Award** at International Research Salon, Bacau, Romania, 19th-21st November **2009**
- 26. Gold medal** at The 5th international Salon of Inventions and New Technologies NEW TIME,

Sevastopol, Ukraine, 24th-26th September **2009**, for the paper *Integrated method of ultrafiltration-ultrasonication for wastewater treatment*

27. Silver Medal at Exhibition of Inventions 37^{eme} Salon International des Inventions des Techniques et Produits Nouveaux Geneve, Switzerland, 1st – 5th April **2009**, for the patent *Methode integree d'ultrafiltration-ultrasonication pour l'epuration des eaux usees*

28. Excellency Award and Gold Medal at 7th International Conference of Research, Innovation and Inventics PROINVENT **2009**, ClujNapoca, Romania, 24th-27th March 2009,

29. Silver Medal at Le salon international de l'Innovation de la Recherche et des Nouvelles technologies, Brussels, Belgium, 13th-15th November **2008**

30. Gold Medal at International Festival of Innovation of new technologies and creation Teslafest, Novi Sad, Serbia, 11-15 October **2008**

31. Excellency Award and Gold Medal at the International Conference of Inventics – **INVENTICA 2008**, 12th edition, Iași, Romania, 12th – 24th May **2008**, for the paper *Ultrasonic activated and biosensors controlled filtration computerized systems for textile processes*

32. Diploma of Excellence at: Târgul Internațional Tehnic TEGA– All Invent – CERCETARE – INVENTICA – INOVARE, **2008**, Timisoara

33. Diploma of Excellence and Bronze Medal at: Salonul Internațional de Inventică, PRO INVENT, **2007**, Cluj Napoca, organizata sub egida MEC, ANCD, Academia de Stiinte Tehnice din Romania

Other skills and competences External specialization stages:

- International Cooperation Programme on Environmental Management at Twente and Groningen Universities (The Netherlands), April 2000;
- Research/documentation stages at Delft University of Technology, within the *Socrates/CDI "Management of Chemical Investigations for Environmental Protection"* Programme, July 2001, June 2002, July 2003;
- Research stages at *International Institute for Industrial Environmental Economics, IIIIE Lund, Sweden, 2003 („Knowledge transfer and institutional capacity building for cleaner production in Romania")* financed by the Swedish Institute Stockholm, Sweden;
- Intensive course on *Internal auditors for environmental management systems* organized by Societe Generale de Surveillance and the Chamber of Commerce and Industry, Iași, March 2004.
- Intensive course within the Workshop Waste Management, organized by the Faculty of Chemical Engineering and Environmental Protection, in collaboration with International Institute for Industrial Environment Economics, Lund, Sweden, April, 2004;
- Intensive course on *„Eco design and product innovation"*, organized by the Faculty of Chemical Engineering and Environmental Protection, in collaboration with International Institute for Industrial Environment Economics, Lund, Sweden, April, 2004;
- Intensive course within the Workshop *„Sustainable Tourism-Certification-Ecolabelling"*, organized by the Faculty of Chemical Engineering and Environmental Protection, in collaboration with International Institute for Industrial Environment Economics, Lund, Sweden, April, 2004;
- Post-graduate course, *Strategic Academic Management*, CETEX, TUIASI, 2010;
- Post-graduate course, *Educational Policies*, UEFISCDI Bucharest, 2011.

Visiting Professor stages:

- Visiting Professor at Delft University of Technology, The Netherlands, (2004, 2005, 2007, 2010);
- Visiting Professor at Technical University of Denmark, Denmark, (August 2004)
- Visiting Professor at University of Minho, Portugal, June 2006
- Visiting Professor at Technical University of Munchen, Germany, 2001; 2007
- Visiting Professor at University of Manchester, UK, April-May 2007
- Visiting Professor at University of Pannonia, Veszprem, Hungary, June 2008, 2011
- Visiting Professor at Vienna University of Technology, Austria: 2009, 2011, 2012, 2013, 2014, 2016, 2017, 2019
- Visiting Professor at Twente University, The Netherlands, April 2010
- Visiting professor at University of London and City University, Great Britain, May 2010
- Visiting professor at Politecnica University of Catalonia, Barcelona, Spain, 2010;
- Visiting professor at the Karlsruhe Institute of Technology, March 2011.
- Visiting professor at Politecnico di Torino, Italy, June 2015; June 2017
- Visiting professor at *Alma Mater Studiorum University of Bologna*, Italy, August-September 2015, September 2017
- Visiting professor at *Universita Rovira I Virgili*, Multidisciplinary Seminar Programme, Tarragona, Spain,

April 2016

- Visiting professor at Università degli Studi di Napoli Federico II, Italia, June 2018

- Visiting professor at Politecnico di Bari, Italy, June 2019.

Expert in national/international commissions, Scientific reviewer:

- Expert, member of the National Council for Research (CNCS), Order of the Minister of Education and Research no. 3011/2015 (2015- 2016)

- Vice-president of CNATDCU Commission in Environmental Engineering (2020-2024); Expert of the Romanian Ministry of Education, Research, Youth and Sport, CNATDCU committee (evaluation of doctoral degrees, titles and doctoral supervision) (2008 - 2010) and CNATDCU appeals committee – *Environmental Engineering Domain* (2012 - 2016)

- Expert evaluator of PNCDI III projects, for the programs PD/2016, PCCF/2016, PTE/2019- UEFISCDI

- Expert evaluator of the internal grants projects of Politehnica University Bucuresti, Environmental Engineering domain, 2017

- Expert evaluator of the internal grants projects of Politehnica University Timisoara, Environmental Engineering domain, 2017, 2018

- Expert evaluator (UEFISCDI) of the International research programme organized by the Academy of Science of Republic of Moldova (ASM) and International Project Center (CPI), 2015, 2019

- Expert evaluator of the International research programme Romania –Norway, EEA, 2014, 2015, 2016, 2017, 2018, 2019 (UEFISCDI, ANCSI);

- Expert evaluator of the International research programme Romania - Switzerland (Swiss National Science Foundation, SNSF), 2012, 2013;

- Expert evaluator of the International research programme Romania - France (Agence National de Recherche), 2012, 2013 (UEFISCDI-ANR);

- Expert evaluator of the International Research program Romania –Belgium, 2016

- Expert evaluator al programului NWO (Dutch Research Council), Netherlands, 2020

- Expert of the National Research Council (CNCSIS), for research programmes and research Centers evaluation (2005-2010);

- Member of the international committees for PhD awards and Dr.h.c. awards

- Member of the National Registry of Experts for certification of research and development activities (Registrul Național al Experților pentru certificarea activității de cercetare-dezvoltare), Domain of smart specializations at national level: 6. Environment and Eco-technologies (Mediu și eco-tehnologii), Ordinul MCID nr. 20242/13.02.2023

- Member of the *Water Supply and Sanitation Technology Platform/ EC*, 2004- present ;

- **Guest Editor** of **Special Issues ICEEM08, ICEEM09, ICEEM10** of the journal **Process Safety and Environmental Protection**, 2017, 2018, 2020 (Elsevier Journal, IF=7.926)

- **Guest Editor** of **ICEEM09 Special Issue** of **Sustainable Production and Consumption**, 2018, (ISI, IF=8.921 Elsevier Journal)

- **Guest Editor** al Special Issue of **Water** (MDPI), 2019: "*Integrated Approaches of the Water Use Cycle: Technical and Environmental Challenges for Sustainability*" (IF=3.530)

- **Guest Editor** al Special Issue of **Sustainability** (MDPI), 2019: "*The sustainable management of WEEE*", (IF=3.889)

- **Guest Editor** al Special Issues **ICEEM08, ICEEM09, ICEEM10** al revistei *Environmental Engineering and Management Journal* (IF= 1.186), 2017, 2019, 2021

- **Subject Editor** of the ISI ranked journal **Sustainable Production and Consumption**, 2019-present (ISI, IF=8.921, Elsevier Journal)

- **Member of the Editorial Board** of the ISI ranked journal **Journal of Cleaner Production** (ISI, IF=11.072, Elsevier Journal), 2020- present

- **Member of the Editorial Board** of the ISI ranked journal **Sustainable Production and Consumption** (ISI, IF= 8.921, Elsevier Journal), 2015- present;

- **Associate Editor** of the ISI ranked journal **Frontiers in Environmental Science** (ISI, IF= 5.411)

- **Academic Editor** of the ISI ranked journal **Water** (MDPI) (ISI, IF=3.530)

- **Membră of the Editorial Board** of the ISI ranked journal **Environmental Engineering and Management Journal** (ISI, IF=1.186), Univ. Tehnică Iasi, din 2002- prezent;

- **Member of the Editorial Board of Chemistry Journal of Moldova: General, Industrial and Ecological Chemistry**, (indexed ISI, Academia Republicii Moldova), 2019- prezent

- Member of the Editorial Board of *Journal of Engineering Studies and Research* (Universitatea Vasile Alecsandri, Bacau): Cod JESR ISSN:2068-7559, 2011-in prezent;

- Member of the Editorial Board of *Procedia in Environmental Science, Engineering and Management* (P-ESEM), SNSIM Romania, ISSN: 2392-9357, din 2014-in prezent

- **Editor in Chief** of *Buletinul Institutului Politehnic din Iasi* (10 sectiuni, indexed in Index Copernicus, CNCSIS B+), din 2008 -2016;

- Member of the Editorial Board of *Buletinului Institutului Politehnic*, sectia Chimie si Inginerie Chimica, 2004-2008;

- Expert evaluator in Impact Assessment Studies in industry, certificated by the Environmental Ministry (1997-1999).

- **Scientific reviewer for the ISI ranked journals:** *Water Research, Journal of Cleaner Production, Journal of Environmental Management, Waste Management, Desalination and Water Treatment, Science of Total Environment, Journal of Membrane Science, Environmental Modelling and Software, Reviews in Chemical Engineering, Environmental Monitoring and Assessment, Catalysis Today, Chemical Papers, Water Resources Management, Environmental Engineering and Management Journal, Applied Water Science, Ecological Indicators, Cellulose Chemistry and Technology, CLEAN: Soil, Air, Environmental Science and Pollution Research, Process Safety and Environmental Protection, Sustainable Production and Consumption, Water Environment Research, Sustainable Chemistry and Pharmacy, Environmental Pollution, Water, Processes, Toxics, Sustainability, etc*

Coordinator of Erasmus+ bilateral agreements with the universities:

- Liverpool University (Anglia) (2002-2005),
- Liverpool Hope University College (Anglia)(2002/2003),
- Bergische University Wuppertal (Germania) (2003/2004),
- Technical University Munchen (Germania) (2003- 2007),
- Universite Claude Bernard Lyon (Franta) (2003-2007),
- Technical University of Denmark (2003-2007)
- Aalborg University, Danemarca (2008-2012; 2014-prezent);
- Delft University of Technology (Olanda) (2007-2013),
- University Rovira i Virgili, Tarragona, Spania (2010-2014; 2014-2021);
- Universitatea Santiago de Compostella, Spania (2014- prezent);
- University of Pannonia, Veszprem, Ungaria (2008-2014; 2014-2021),
- Vienna University of Technology, Austria (2008-2014; 2014-2017, 2017-2021);
- Universite Toulon Var, Franta (2014-2021);
- Universite de Pau et des Pays de l'Adour, Franta (2014-2021);
- University of Eastern Finland, Finlanda (2014-2021),
- Czestochowa University of Technology, Polonia (2014-2021);
- Politecnico di Torino, Italia (2015-2021);
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- Universidade Paulista, UNIP, Brazilia (2017-2021);
- Universita Politecnica delle Marche, Italia (2017-2021);
- Van Hall Larenstein University of Applied Sciences, Olanda (2017-2019);
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Member of associations:

- Member of *International Water Association*, London, 1997- present
- Member of the *Water Environment Federation*, 2011-present
- Member of the *Chemical Engineers Society from Romania*, 1998- present
- Member of *ARA – Romanian Water Association* , 2007 - present
- Member of the *Chemistry Society from Romania*, 2008- present
- Member of *Intermediunet Association Romania*, 2003- present
- Member of the *National Society for Environmental Science and Engineering (SNSIM)*, 2015-present
- Member of the *Academic Organization of Environmental Engineering and Sustainable Development*, OAIMDD, Iași, 1997- present.

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