

13th INTERNATIONAL CONFERENCE ON ENVIRONMENTAL ENGINEERING AND MANAGEMENT

CONFERENCE PROGRAM



www.iceem.tuiasi.ro

**17 – 20 September, 2025
Iasi, Romania**



13th INTERNATIONAL CONFERENCE ON ENVIRONMENTAL ENGINEERING AND MANAGEMENT




Empower Sustainability

17 - 20 September 2025 - Iasi, Romania

ORGANISERS

	<p>“Gheorghe Asachi” Technical University of Iasi, Romania</p> <p>“Cristofor Simionescu” Faculty of Chemical Engineering and Environmental Protection</p> <p>Department of Environmental Engineering and Management</p>
	<p>Politecnica delle Marche University, Ancona, Italy</p> <p>Department of Science and Engineering of Materials, Environment and Urban Planning</p>
	<p><i>with the support of:</i></p>
	<p>The Academic Organization for Environmental Engineering and Sustainable Development, OAIMDD</p>
 <p>Societatea de Chimie din ROMÂNIA</p>	<p>Romanian Chemical Society</p>

SPONSORS

	<p>Salubris SA Iasi - Silver sponsor</p>
 <p>water an Open Access Journal by MDPI</p>	<p>ICEEM13 Best Oral Presentation Award (300 EUR) ICEEM13 Best PhD Presentation Award (300 EUR) are sponsored by Water MDPI Journal</p>
	<p>Asociatia Romana de Mediu Romanian Environment Association</p>



13th INTERNATIONAL CONFERENCE ON ENVIRONMENTAL ENGINEERING AND MANAGEMENT

Empower Sustainability

17 - 20 September 2025 - Iasi, Romania

INTERNATIONAL SCIENTIFIC COMMITTEE

Honorary Conference President

Prof.Dr. Dan Cașcaval
"Gheorghe Asachi" Technical University of Iasi, Romania

Conference Co-Presidents

Prof.Dr. Carmen Teodosiu "Gheorghe Asachi" Technical University of Iasi, Romania	Prof. Dr. Francesco Fatone Università Politecnica delle Marche, Italy	Assoc.Prof.Dr. Brindusa Sluser "Gheorghe Asachi" Technical University of Iasi, Romania
---	--	---

International Scientific Committee

Prof.Dr., Dr.h.c. Maria Madalena dos Santos Alves University of Minho, Portugal	Prof.Dr. Maria Gavrilescu "Gheorghe Asachi" Technical University of Iasi, Romania	Prof. Dr. Monika Molnar Budapest University of Technology, Hungary
Prof.Dr. Cecilia Maria Villas Boas de Almeida Universidade Paulista, Brazil	Prof.Dr. Biagio Fernando Giannetti Universidade Paulista, Brazil	Prof.dr. Ovidiu Nemes Technical University of Cluj Napoca, Romania
Dr. Teresa Alvarino CETAQUA Spain	Assoc.Prof.Dr. Sabino de Gisi Politecnico di Bari, Italy	Prof.Dr. Mircea Nicoara "Alexandru Ioan Cuza" University, Iasi, Romania
Prof.Dr. Manuela Antonelli Politecnico di Milano, Italy	Dr. Valeria Harabagiu "P.Poni" Institute of Macromolecular Chemistry, Iasi, Romania	Prof.Dr. Cristina Orbeci Politehnica University of Bucharest, Romania
Dr. Federico Aulenta CNR IRSA, Italy	Prof.Dr. Almudena Hospido University of Santiago de Compostela, Spain	Dr. Francesca Raganatti Università degli Studi di Napoli Federico II, Italy
Assoc.Prof.dr. George Barjoveanu "Gheorghe Asachi" Technical University of Iasi, Romania	Prof.Dr. Nikolas Kalogerakis Technical University of Crete, Greece	Prof.Dr. Maria Reis FCT, Universidade NOVA de Lisboa, Portugal
Prof.Dr. Hans Bressers University of Twente, The Netherlands	Prof.Dr. Evina Katsou Brunel University of London, United Kingdom	Prof.Dr. Sebastien Royer Université de Lille, France
Dr. Nicolas Caradot Berlin Competence Centre for Water, Germany	Prof. Dr. Athanasios Loukas Aristotle University of Thessaloniki, Greece	Dr. Sergio Ponsa Salas University of Vic, Spain
Prof.Dr. Dan Cascaval "Gheorghe Asachi" Technical University of Iasi, Romania	Prof.dr. Gabriela Lisa "Gheorghe Asachi" Technical University of Iasi, Romania	Prof.Dr. Maria Angeles Sanroman University of Vigo, Spain



13th INTERNATIONAL CONFERENCE ON ENVIRONMENTAL ENGINEERING AND MANAGEMENT

Empower Sustainability

17 - 20 September 2025 - Iasi, Romania

Assoc.Prof.Dr. Cezar Catrinescu "Gheorghe Asachi" Technical University of Iasi, Romania	Assoc.Prof.Dr. Simos Malamis National Technical University of Athens, Greece	Prof.Dr., Dr.h.c. Wilhelm Schabel Karlsruhe Institute of Technology, Germany
Prof.Dr., Dr.h.c. Yusuf Chisti Massey University, New Zealand	Prof.Dr. Teodor Malutan "Gheorghe Asachi" Technical University of Iasi, Romania	Dr. Joshua Schaeffer Colorado State University, USA
Prof.dr., Dr.h.c. Phillippe Corvini University of Applied Sciences and Arts Northwestern, Switzerland	Prof.Dr. Florica Manea Politehnica University of Timisoara, Romania	Prof. Dr. Stefan Shilev Agricultural University of Plovdiv, Bulgaria
Prof.Dr. Igor Cretescu "Gheorghe Asachi" Technical University of Iasi, Romania	Prof.Dr. Giorgio Mannina University of Palermo, Italy	Acad.Prof.Dr., Dr.h.c. Bogdan C. Simionescu "Gheorghe Asachi" Technical University of Iasi, Romanian Academy, Romania
Dr. Maja Djolic University of Belgrade, Serbia	Prof.Dr. Ecaterina Matei Politehnica University of Bucharest, Romania	Prof. Dr. Joanna Surmacz-Górska Silesian University of Technology, Poland
Prof.Dr. Camelia Draghici Transilvania University of Brasov, Romania	Prof.Dr. Antonio Marzocchella Università degli Studi di Napoli Federico II, Italy	Dr. Magdalena Urbaniak University of Lodz, Polish Academy of Sciences
Dr. Anna Laura Eusebi Università Politecnica delle Marche, Italy	Prof. Dr. Anne Menert Tallin University of Technology, Estonia	Dr. Gerard van den Berg KWR, the Netherlands
Prof.Dr., Dr.h.c. Fabio Fava University of Bologna, Italy	Prof. Dr. Rolandas Meskys Life Sciences Center, Lithuania	Prof.Dr. Irina Volf "Gheorghe Asachi" Technical University of Iasi, Romania
Assoc.Prof.Dr. Lidia Favier Universite de Rennes, France	Prof. Dr. Alice Mija UNiversite Cote D'Azur, Nice, France	Prof. Dr. Scott Weber State University of New York at Buffalo, USA
Prof.Dr. Joan Garcia Universitat Politecnica de Catalunya, Spain	Dr. Marcela Mihai "P. Poni" Institute of Macromolecular Chemistry, Iasi, Romania	Prof. Dr. Thomas Wintgens RWTH Aachen University, Germany
		Prof. Dr. Thomas Wintgens RWTH Aachen University, Germany



**13th INTERNATIONAL CONFERENCE ON
ENVIRONMENTAL ENGINEERING AND MANAGEMENT**
Empower Sustainability
17 - 20 September 2025 - Iasi, Romania

Organizing Committee

Prof.dr. Irina Volf	Dr. Camelia Betianu
Assoc.prof.dr. Brindusa Sluser	Dr. Alexandra Blaga
Prof.dr. Maria Harja	Dr. Adela Buburuzan
Assoc.prof.dr. Corina Cernatescu	Dr. Petronela Cozma
Assoc.prof.dr. Florin Ciolacu	Dr. Daniela Fighir
Dr. Petru Apopei	Dr. Daniela Gavrilescu
Dr. Gabriela Apostolescu	Dr. Corina Musteret
Dr. Nicolae Apostolescu	Dr. Oana Plavan
Dr. George Barjoveanu	Dr. Adrian-Catalin Puitel
	PhD Stud. Ramona Ciobanu



13th INTERNATIONAL CONFERENCE ON ENVIRONMENTAL ENGINEERING AND MANAGEMENT

Empower Sustainability

17 - 20 September 2025 - Iasi, Romania

GENERAL INFORMATION

The ***International Conference on Environmental Engineering and Management (ICEEM)*** was initiated and organized every 2 years, since 2002, by the **Department of Environmental Engineering and Management**, Faculty of Chemical Engineering and Environmental Protection of the “**Gheorghe Asachi**” Technical University of Iasi (TUIASI), Romania. The objectives of all ICEEM conference editions were to bring together international researchers, academics, professionals and students, activating in the fields of environmental engineering and management and to support knowledge exchange and dissemination of specific research and educational programmes.

The 13th International Conference on Environmental Engineering and Management, **ICEEM13** will take place between 17th and 20th of September 2025, in Iasi, Romania. **ICEEM 13** event is organized by “**Gheorghe Asachi**” Technical University of Iasi, *Department of Environmental Engineering and Management*, and **Politecnica delle Marche University**, Italy, *Department of Science and Engineering of Materials, Environment and Urban Planning*. ICEEM13 is kindly supported by OAIMDD - The Academic Organization for Environmental Engineering and Sustainable Development and the Romanian Chemical Society.

“**Gheorghe Asachi**” Technical University of Iasi (TUIASI) is a prestigious Romanian university, the institution with the oldest tradition in engineering higher education and research in Romania, being classified in the *top ten* Romanian Universities. TUIASI is classified as an *university for advanced research and education* committed to academic excellence as means of communicating and creating the national and international scientific engineering and architecture heritage. TUIASI has given priority to interdisciplinary approach in research, innovation and teaching, within its 11 faculties (10 in engineering fields and 1 in architecture) and 1 Doctoral School, by providing 61 Undergraduate Programmes, 70 Master of Science Programmes, 13 doctoral domains, 11 taught in English study programmes (www.study.tuiasi.ro).

TUIASI core values are: creativity, innovation, sustainability, experiential learning, global experiences, all focused on increasing the quality of life are embedded in both traditional and digital training on design, manufacturing and management, with consistent exposure to a large variety of professional work environments. We offer our students access to state-of-the-art equipment, high performance laboratories, learning rooms, creative hubs or TUIASI Library, one of the most beautiful libraries in the world. TUIASI has an important research and innovation dimension, with 27 accredited research/excellence centers and laboratories (out of which one is accredited by RENAR) focused on creating and transferring knowledge, especially in multi-disciplinary high-tech engineering areas. These centers/laboratories activate supported by national & international research grants or contracts with industry and governmental organizations, their activities and results placing TUIASI in the Romanian top of scientific research. The constant focus on interdisciplinary research, on innovation and knowledge transfer, the quality of research staff and their commitment for excellence provided a constant dynamics of research activities and visibility of TUIASI.

About the Department of Environmental Engineering and Management

The Department of Environmental Engineering and Management (DEEM) is part of the “Cristofor Simionescu” Faculty of Chemical Engineering and Environmental Protection (FCEEP) of TUIASI. DEEM has been established under its actual structure in 1990 and it was ranked on the first place at the level of Romanian universities due to its performances in education and research in the field of environmental engineering. In order to ensure an integrative approach and continuous improvement of education, research and visibility activities this department uses the following entities:

- **Research Center for Environmental Engineering and Impact Assessment (IMEI)**, established in 2000 (<http://erris.gov.ro/Centrul-de-Cercetare-Inginer-2>), recognized by the Romanian



13th INTERNATIONAL CONFERENCE ON ENVIRONMENTAL ENGINEERING AND MANAGEMENT

Empower Sustainability

17 - 20 September 2025 - Iasi, Romania

Research Council (CNCSIS)

- **Laboratory for Environmental Control and Analysis (LACMED)**, established in 2013, accredited by the Romanian Association for Accreditation (RENAR) according to SR EN ISO/CEI 17025:2018 standard, Certificate LI 1054/18.03.2023 (<http://lacmed.icpm.tuiasi.ro>; <http://erris.gov.ro/www.lacmed.ro>)
- **INTERMEDIU Information and Consultancy Centre** established in 1999 and developed through the MATRA projects financed by the Dutch Ministry of Foreign Affairs.

DEEM includes 5 Professors, 8 Assoc. Professors, 7 Lecturers, 1 assistant professor, 8 Post-doc researchers, 52 Ph.D. students, 4 administrative staff and 16 constant external collaborators in research projects. Out of the staff members of DEEM, there are 7 PhD supervisors in the field of Environmental Engineering and 1 PhD supervisor in Chemistry.

The major activities of DEEM are related to:

- ✓ Environmental engineering and management studies, at the BSc and MSc level
- ✓ Doctoral and post-doc programmes in Environmental Engineering
- ✓ Multidisciplinary and trans-disciplinary research collaborations at national and international level
- ✓ Cooperation with industry and local/regional authorities
- ✓ Support of environmental education and related trainings
- ✓ Consolidation of human resources & research infrastructure.

The Department of Environmental Engineering and Management has established a strong network of cooperation at different levels:

At national level, the department members coordinate the environmental engineering network, and have developed very strong cooperation relations in various research and educational projects with universities and research institutes throughout Romania: Politehnica University Bucharest, University of Bucharest, Technical University of Civil Engineering Bucharest, Politehnica University Timisoara, Babes-Bolyai University of Cluj Napoca, "Al.I. Cuza" University, Iasi, "Petru Poni" Institute of Macromolecular Chemistry, Iasi, Transilvania University of Braşov, Ovidius University of Constanta, etc.

At international level the research cooperation was developed, staff members being involved in research projects, research mobilities, networking activities, visiting professors (universities/ research institutes from: Austria, Spain, Netherlands, Germany, Italy, Greece, France, United Kingdom, Belgium, Denmark, Poland, Sweden, Finland, Republic of Moldova, USA, Brazil, Canada, etc.

The visibility of the Department of Environmental Engineering and Management (DEEM) is developed mostly through international cooperation, by means of:

- Organization of the **International Conferences on Environmental Engineering and Management**, ICEEM, an event which occurs every 2 years (since 2002) and has become a landmark for the international environmental scientific community. In 2025, the conference is at its 13th edition (more information on <https://www.iceem.tuiasi.ro/>)
- Publication of the **Environmental Engineering and Management Journal** <http://omicron.ch.tuiasi.ro/EEMJ/> (since 2002). EEMJ is an international ISI ranked peer-reviewed journal, with an ISI impact factor of 1.1 (2022).

Università Politecnica delle Marche (UNIVPM) was established in 1971 and has about 17000 students and includes five faculties of Engineering, with more than 7200 students, Medicine and Surgery, Economics, Life Science and Agriculture, which permanently employ about 700 academics and 650 technical/administration staff. UNIVPM is very active and performant in the European R&D&I and is currently involved in about 100 Horizon2020 and Horizon Europe projects, mainly in the area of engineering, agriculture and life science. Three Doctoral Schools (Engineering, Agriculture and Economics) support doctoral students during their research training at UNIVPM. UNIVPM fosters



13th INTERNATIONAL CONFERENCE ON ENVIRONMENTAL ENGINEERING AND MANAGEMENT

Empower Sustainability

17 - 20 September 2025 - Iasi, Romania

internationalization as one of the top priorities of the university strategic development plan and has several international partners. Within the Mediterranean basin, UNIVPM has key coordinating roles being the seat of the UniAdrion Secretariat (www.uniadrion.net), which is a "Network of Universities" established with the purpose to create a permanent connection among Universities and Research centres from the Adriatic-Ionian Region.

About the Department of Science and Engineering of Materials, Environment and Urban Planning and WVEE Lab Group

Municipal and industrial wastewater treatment, resource recovery, circular economy and sustainable urban water services and management are the main fields of expertise of the Lab of Water and Waste Environmental Engineering led by Prof. Francesco Fatone, at the Department of Science and Engineering of Material, Environmental and Urban Planning (SIMAU). Besides other national and international projects, the WVEELab has coordinated the Horizon2020 Innovation Action "SMART-Plant" and has been or is WP leader/partner of more than 20 european or international projects in the last 5 years from different financing programmes (such as: FP7, Horizon 2020, PRIMA, LIFE, COSME, JPI, ENICBCMED, INTERREG, TWINNING). Moreover, the UNIVPM has been a member, as the SMART-Plant Coordinator, of the steering committee of the first signed Innovation Deal concerning water reuse, member of ICT4water cluster and co-leader of the "Value in Water" Cluster of Water Europe platform. UNIVPM is also, member of the Cluster Spring, the Italian Cluster of Green Chemistry whose goal is to foster the development of bioindustries in Italy through a holistic approach to innovation. Besides several international workshops and conferences, the WVEELab has chaired the 3rd European Nutrient Event in ECOMONDO in 2018 and the 3rd IWA Resource Recovery Conference in 2019.



13th INTERNATIONAL CONFERENCE ON ENVIRONMENTAL ENGINEERING AND MANAGEMENT

Empower Sustainability

17 - 20 September 2025 - Iasi, Romania

Address and Conference Venue

The activities of ICEEM13 will take place at the Gheorghe Asachi Technical University of Iasi, Romania at the following locations:

- TUIASI Aula and Hall of the lost steps, 11A Carol I Blvd, (**Opening ceremony, plenary lectures and Welcome cocktail on September 17th**), [map here](#).
- „Cristofor Simionescu” Faculty of Chemical Engineering and Environmental Protection, 73 D. Mangeron, Iasi (**Conference sessions on September 18th and 19th**), [map here](#).

The opening ceremony will take place on September 17th, 2025 followed by the conference parallel sessions (PS) on the 18th and 19th September, all activities being organised **onsite at the designated locations**.

Registration

The ICEEM13 registration will take place on **Wednesday, 17th September** at the TUIASI Aula (Carol I Blvd) and on **Thursday, 18th September** at „Cristofor Simionescu” Faculty of Chemical Engineering and Environmental Protection (73 D. Mangeron Blvd), 1st floor.

All participants will receive the conference materials (ICEEM13 Programme and Book of abstracts) in an USB pen drive in their registration folders.

Oral and Poster Presentations

The oral presentations program is structured in plenary and oral communication sessions (OCS), which are held according to this conference program. LDC projectors and a PC (Windows, MS Office, Adobe Acrobat) will be available in the session rooms for presentations. Authors are invited to upload their presentations on the PCs of each room in advance of the beginning of the scheduled session, to avoid last minute problems.

In line with our commitment to sustainability, all **poster communications at ICEEM 13** will be conducted exclusively in electronic format. **Please note that printed posters will not be supported during the conference.** Each poster will be presented in a 5-minute oral slot, scheduled according to the official conference program. **Additionally, two wide screens will be available throughout the conference duration, allowing participants to engage in more detailed discussions with colleagues and attendees.**

Important notes:

- Time allocation for **Plenary/Keynote lectures** is 30 minutes (including discussions)
- Every **oral communication** will be presented in a 15 minute frame, including discussions. Participants are encouraged to use the presentation template available on the conference website (link here: **Downloads section**).
- **Posters** will be presented electronically in dedicated sessions of 5 minutes slots during which participants will present their poster. Participants are encouraged to use the poster template available on the conference website (link here: **Downloads section**).



13th INTERNATIONAL CONFERENCE ON
ENVIRONMENTAL ENGINEERING AND MANAGEMENT
Empower Sustainability
17 - 20 September 2025 - Iasi, Romania

- **Technical support (TS)** from ICEEM13 secretariat members is available for all sessions
- All phones should be muted during the ICEEM13 sessions.



13th INTERNATIONAL CONFERENCE ON ENVIRONMENTAL ENGINEERING AND MANAGEMENT

Empower Sustainability

17 - 20 September 2025 - Iasi, Romania

SHORT CONFERENCE PROGRAM

Wednesday, 17 September 2025

TUIASI Aula , Bd. Carol I no. 11 A, Iasi	
14:00 - 15:00	Participants Registration , Hall of the Lost Steps, Aula TUIASI, Bd. Carol I no. 11 A
15.00 – 15.30	Opening ceremony & Welcome addresses Chair session persons: Prof.Carmen Teodosiu, Prof. Francesco Fatone, Assoc.Prof. Brindusa Sluser
15.30 – 16.00	Plenary Lecture 1: Polysaccharide/synthetic Polymers as Advanced Materials for Water Treatment, Dr. Marcela Mihai
16.00 - 16.30	Plenary Lecture 2: The Macroscopic of H.T. Odum: Perspectives on Environmental Engineering and Management, Prof.dr. Feni Agostinho
16.30 – 17.00	Plenary Lecture 3: Trends on Circular Economy from Web-based Data, Prof.dr. Konstantinos Tsagarakis
17.00 - 19.00	Welcome Cocktail Hall of the Lost Steps, Aula TUIASI, Bd. Carol I no. 11 A

Thursday, 18 September 2025

8:00 - 9:00	Participants Registration – 1 st Floor Main Hall- Faculty of Chemical Engineering and Environmental Protection – FCEEP, 73 D. Mangeron Blvd		
9:00 - 10:30	OCS 1. Waste management in the context of circular (bio)economy CH III Room	OCS 2. Water and wastewater cycles in the context of circular (bio)economy Council Room	OCS 3. Innovative and advanced materials CH IV Room
10:30 - 11:00	Coffee break		
11:00 - 12:00	OCS 4. Waste management in the context of circular (bio)economy CH III Room	OCS 5. Water and wastewater cycles in the context of circular (bio)economy Council Room	OCS 6. Innovative and advanced materials CH IV Room
12.00 - 13:30	Photo session & Lunch break		
13:30 – 15.30	WS7 INGENIUM WORKSHOP: Circular bio-economy CH III Room	OCS 8. Monitoring and modelling of environmental pollution Council Room	
15.30 – 17.30	Coffee break	Poster Presentations Sessions (PPS) PPS 9- Waste management in the context of circular (bio)economy (CH III Room) PPS 10 - Water and Wastewater cycles in the context of circular (bio)economy (Council Room) PPS 11 - Innovative and advanced materials (CH IV Room) PPS 12 - Monitoring and modelling of environmental pollution (CH IV Room)	
19.00	Gala dinner, Magnum Ballroom, <i>INTERNATIONAL Hotel Iasi</i>		



**13th INTERNATIONAL CONFERENCE ON
ENVIRONMENTAL ENGINEERING AND MANAGEMENT**
Empower Sustainability
17 - 20 September 2025 - Iasi, Romania

Friday 19 September 2025

Time			
9:00 - 11:00	OCS 13. Sustainability assessment & eco-innovation CH III Room	OCS 14. Biotechnologies and bio-processes Council Room	OCS 15. Novel processes and technologies CH IV Room
11.00 – 12.30	Poster Presentations Sessions (PPS) PPS 16 - Sustainability assessment & eco-innovation (CH III Room) PPS 17 - Biotechnologies and bio-processes (Council Room) PPS 18 - Novel processes and technologies (CH IV Room)		
12.30	ICEEM 13 Closing ceremony, CH III Room		



**13th INTERNATIONAL CONFERENCE ON
ENVIRONMENTAL ENGINEERING AND MANAGEMENT**
Empower Sustainability
17 - 20 September 2025 - Iasi, Romania

DETAILED CONFERENCE PROGRAM

Wednesday, 17 September 2025

Opening ceremony and Plenary conference presentations

Location: TUIASI Aula, Bd. Carol I no. 11 A, Iasi

Chairpersons: Prof.dr. Carmen Teodosiu, Prof.dr. Francesco Fatone, Assoc.Prof.dr. Brindusa Sluser

TUIASI Aula, Bd. Carol I no. 11 A, Iasi	
14:00 - 15:00	Participants Registration , Hall of the Lost Steps, Aula TUIASI, Bd. Carol I no. 11 A
15.00 – 15.30	Opening ceremony & Welcome addresses Chair session persons: Prof.Carmen Teodosiu, Prof. Francesco Fatone, Assoc.Prof. Brindusa Sluser
15.30 – 16.00	Plenary Lecture 1: Polysaccharide/synthetic Polymers as Advanced Materials for Water Treatment, Dr. Marcela Mihai
16.00 - 16.30	Plenary Lecture 2: The Macroscopic of H.T. Odum: Perspectives on Environmental Engineering and Management, Prof.dr. Feni Agostinho
16.30 – 17.00	Plenary Lecture 3: Trends on Circular Economy from Web-based Data, Prof.dr. Konstantinos Tsagarakis
17.00 - 19.00	Welcome Cocktail Hall of the Lost Steps, Aula TUIASI, Bd. Carol I no. 11 A

Thursday, 18 September 2025

Oral communication session OCS 1. Waste management in the context of circular (bio)economy, Thursday 18.09.2025, 09.00- 10.30

Location: (FCEEP CH III Room)

Chairpersons: Prof.dr. Irina Volf, Dr. Daniela Gavrilescu

Technical support: Dr. Petru Apopei

Time	Code	Title	Authors
9.00 - 9.30	CO.1.1.	Keynote lecture: Challenges, Experimental Approach and Prospects into Microplastics Waste Management	Maria Răpă, Ecaterina Matei, Cristian Predescu, Marta Matić, Dejan Kosić
9.30 - 9.45	CO.1.2.	Driving Circularity in the Plastic Sector: Insights and Innovations from The Plan-C Project	Andra-Cristina Enache, Petrisor Samoilă, Adrian Bele, Valeria Harabagiu
9.45 - 10.00	CO.1.3.	Comparative Analysis of Waste Forecasting in Hungary and Romania	Róbert Fejes, Róbert Kurdi, Viktor Sebestyén
10.00 - 10.15	CO.1.4.	Redefining Compost Quality: Linking Plant Physiological Responses and Soil Parameters	Kinga Manuella Berta, Eliza Molnár, Renáta Rauch Sárainé



13th INTERNATIONAL CONFERENCE ON ENVIRONMENTAL ENGINEERING AND MANAGEMENT

Empower Sustainability

17 - 20 September 2025 - Iasi, Romania

10.15 - 10.30	CO.1.5.	Valuable and Critical Elements Recovery from Waste Streams: Progress, Methods, and Perspectives	Ana Maria Lupu, Petronela Cozma, Brindusa Sluser
10.30-11.00	Coffee Break		

Oral Communication Session OCS 2. Water and wastewater cycles in the context of circular (bio)economy, Thursday 18.09.2025, 09.00- 10.30

Location: FCEEP Council Room

Chairpersons : Prof.dr. Carmen Teodosiu, Prof.dr. Francesco Fatone

Technical Support: Dr. Daniela Fighir

Time	Code	Title	Authors
9.00 - 9.30	CO.2.1.	Keynote lecture - Advanced Oxidation Processes: Catalysts for Water Reuse in the Circular Economy	Cezar Catrinescu*, Adrian Ungureanu
9.30 - 9.45	CO.2.2.	Evaluation of Starch-Based Polymers as Flocculating Agents for Water Produced by Petroleum Industry	Melinda-Maria Bazarghideanu, Paulo Cristiano Silva da Rocha, Letícia Dias da Silva, Rita de Cassia Pessanha Nunes, Diana-Felicia Loghin, Marcela Mihai, Elizabete Fernandes Lucas
9.45 - 10.00	CO.2.3.	Next-Generation Nutrient Recovery in WWTPS: Synergistic Use of EBPR, Biochar and Microalgae within the Framework of EU Directive 2024/3019	Nour Hamoud, Alessia Foglia, Carla Maggetti, Anna Laura Eusebi, Massimiliano Sgroi, Francesco Fatone
10.00 - 10.15	CO.2.4.	Recovery of Nitrogen-Based Salts from Anaerobic Reject Water Using an Open-Loop Membrane System	Riccardo Lo Coco, M.Pezzuto, N.Frison*
10.15 - 10.30	CO.2.5.	Carbon-Based Electrodes for Electrochemical Degradation of Perfluorooctanoic Acid from Water	Adina Carmen Gavrilescu, Sorina Ilies, Anamaria Baci, Florica Manea**
10.30-11.00	Coffee break		

Oral Communication Session OCS 3. Innovative and advanced materials Thursday 18.09.2025, 09.00- 10.30

Location: FCEEP CH IV Room

Chairpersons: Assoc. Prof.Dr. Lidia Favier, Dr. Marcela Mihai

Technical Support: Dr. Gabriela Apostolescu

Time	Code	Title	Authors
9.00 - 9.30	CO.3.1.	Keynote lecture: Fluoropolymers, Poly/Perfluorinated Substances (PFAS), and Environmental Impact	Alexandru Asandei
9.30 - 9.45	CO.3.2.	Upcycling of Agro-Industrial Waste: Protein Extraction and Biofiller Application in Thermoplastic Composites	Michele Buono*, Alessandro Nanni, Gizem Yaşarünlü, Martino Colonna
9.45 - 10.00	CO.3.3.	Equilibrium Studies for Removal of Sodium Diclofenac from Aqueous Solution Using Silica Composite Microparticles	Ramona Ciobanu*, Carmen Teodosiu, Florin Bucatariu, Marcela Mihai



13th INTERNATIONAL CONFERENCE ON ENVIRONMENTAL ENGINEERING AND MANAGEMENT

Empower Sustainability

17 - 20 September 2025 - Iasi, Romania

Time	Code	Title	Authors
10.00 - 10.15	CO.3.4.	Core/Shell Composites Based on Sand and Weak Polyelectrolytes for Water Cleaning	Timeea-Anastasia Ciobanu*, Larisa-Maria Petrila, Florin Bucatariu, Marius-Mihai Zaharia, Marcela Mihai
10.15 - 10.30	CO.3.5.	Redox Thermal Gas Treatment: The Role of Copper and Carbonate Species in the CO ₂ Purification of Industrial Flue Gas	Anthony Abou Rahhal, Eric Genty, Renaud Cousin, Anne Ponchel, Sebastien Noel, Christophe Poupin ¹ , Stephane Siffert*
10.30-11.00	Coffee break		

Oral Communication Session OCS 4. Waste management in the context of circular (bio)economy, Thursday 18.09.2025, 11.00- 12.00

Location: FCEEP CH III Room

Chairpersons: Assoc. Prof. Dr. Sabino de Gisi, Assoc. Prof. Dr. Maria Râpă

Technical Support: Dr. Adela Marilena Buburuzan

Time	Code	Title	Authors
11.00 - 11.15	CO.4.1.	Sustainable Approach of Organic Waste Valorisation in Biogas Plants	Georgiana Petrea, Daniela Gavrilescu, Ana-Maria Schiopu, Catalin Neculau, Brindusa-Mihaela Sluser
11.15- 11.30	CO.4.2.	Lucerne (<i>Medicago Sativa</i>) - A Promising Candidate For Multiple Output Biorefinery	Adrian Cătălin Puițel, George Bârjoveanu, Cătălin-Dumitrel Balan Dumitrel, Mircea Teodor Nechita, Laura Bulgariu
11.30 - 11.45	CO.4.3.	Sustainable Uses and Innovations of Waste Management: Exploring Grape Pomace Potential	Georgiana-Diana Gabur, Carmen Teodosiu, Daniela Fighir, Valeriu V. Cotea
12.00 –13.30	Photo Session & Lunch Break		

Oral Communication Session OCS 5. Water and wastewater cycles in the context of circular (bio)economy, Thursday 18.09.2025, 11.00- 12.00

Location: FCEEP, Council Room

Chairpersons: Prof. Dr. Luminița Andronic, Assoc. Prof. Dr. Lidia Favier

Technical Support : Dr. Corina- Petronela Mustereț

Time	Code	Title	Authors
11.00 - 11.15	CO.5.1.	Photocatalytic Beads for Continuous Flow Wastewater Treatment for Reuse	Maria Covei, Ioana Tismanar, <u>Anca Duta</u> , Jose Maria Calderon Moreno, Hermine Stroescu, Madalina Nicolescu, Irina Atkinson, Mariuca Gartner



13th INTERNATIONAL CONFERENCE ON ENVIRONMENTAL ENGINEERING AND MANAGEMENT

Empower Sustainability

17 - 20 September 2025 - Iasi, Romania

Time	Code	Title	Authors
11.15- 11.30	CO.5.2.	A Synergistic Approach of Hydrochar-Based Materials and Immobilized Microorganisms for Organic Pollutants Removal	Emanuel Gheorghita Armanu, Simone Bertoldi, Christian Eberlein, Hermann J. Heipieper, Matthias Schmidt, Olívia Salomé G. P. Soares, Olga C. Nunes, Marius Sebastia Secula, Irina Volf*
11.30 - 11.45	CO.5.3.	GIS and CFD-Based Study for Monitoring Water Resources in the Euphrates-Diwaniyah Region within the WEF Nexus Framework	Mustafa Hathal, Viktor Sebestyén*, Viola Somogyi
11.45 - 12.00	CO.5.4.	Long-Term Evaluation of Moving Bed Biofilm Reactor (MBBR) Technology for Partial Denitrification and Anammox Using Ethanol or Methanol with Actual Wastewater	Akarsh Swamilingappa Annaiah, Magnus Christensson, Gonzalo A. Martinez, Lorenzo Bertin
12.00 - 12.15	CO.5.5.	Closing the Loop in Algal Cultivation: The Case for Medium Recycling in Autotrophic Systems	Luigi Marra, Elena Aurino, Francesca Raganati, Antonino Pollio, Walter Wukovits, Antonio Marzocchella
12.30 – 13.30	Photo Session & Lunch Break		

Oral Communication Session OCS 6. Innovative and advanced materials applications, Thursday 18.09.2025, 11.00- 12.00

Location: FCEEP, CH IV Room

Chairpersons : Prof.dr. Cezar Catrinescu, Prof.dr. Adrian Ungureanu

Technical Support: PhD student Ramona Ciobanu

Time	Code	Title	Authors
11.00 - 11.15	CO.6.1.	Long-term stability of polymer resins used in brine purification and assessment of energy recovery potential of resins waste	Valeria Danilova, Loredana-Vasilica Postolache, Dumitru Coman, Adrian Bele, Claudia Roman, Liliana Lazar (*), Gabriela Lisa
11.15- 11.30	CO.6.2.	In-Situ Prepared Vis-Active TiO ₂ – G-C ₃ N ₄ Photocatalytic Films for Wastewater Treatment Applications	Ioana Tismanar*, Maria Covei, Anca Duta
12.00 – 13.30	Photo Session & Lunch Break		

Workshop Session WS7. INGENIUM WORKSHOP: CIRCULAR BIO-ECONOMY Thursday 18.09.2025, 13.30- 15.30

Location: FCEEP CH III

Chairpersons: Markus Graff, Brindusa Sluser, Christine Mulder and Wei Wang

In association with Romanian Environment Association



13th INTERNATIONAL CONFERENCE ON ENVIRONMENTAL ENGINEERING AND MANAGEMENT

Empower Sustainability

17 - 20 September 2025 - Iasi, Romania

Oral Communication Session OCS 8. Monitoring and modelling of environmental pollution, Thursday 18.09.2025, 13.30- 15.30

Location: FCEEP Council Room

Chairpersons: Assoc. Prof. Dr. Brindusa-Mihaela Sluser, Dr. Camelia Betianu

Technical Support: Dr. Petru Apopei

Time	Code	Title	Authors
13.30 – 14.00	CO.9.1.	Keynote lecture: Materials and Technologies for the Treatment of Contaminated Marine Sediments in a Circular Economy Perspective	Sabino De Gisi
14.00 – 14.15	CO.9.2.	An Improved Remote Sampling Technique for Atmospheric Pollutants	Teodor D. Andron, Matthew A. Dexter, Tony Rogers, Warren T. Corns
14.15 – 14.30	CO.9.3.	Sensor-Based Assessment of Green Infrastructure Strategies for Air Pollution Control in Urban Areas	Luminita Andronic*, Mihai Daniel Nita, Renate Cornici-Dan, Tiberiu Chiriches
14.30 – 14.45	CO.9.4.	Portable Potentiostat and Graphene-Based Sensors: Fast and Accurate Platform for Real-Time Pesticide Monitoring	Gabriela Hristea*, Dragos Ovezee, Mihai Iordoc
14.45 – 15.00	CO.9.5	Experimental Investigation on the Self-Ignition Behavior of Dangerous Dust Accumulation in Order to Prevent Major Accidents	Irina Nălboc*, Maria Prodan, Andrei Szollosi Moța, Sonia Șuvar, Sorin Simion
15.00 – 15.15	CO.9.6.	Risk Assessment of Air Pollution through Portable Sun Photometer (CALITOO)	Ioana Tanasa*, Marius Cazacu, Brindusa Sluser
15.15 – 15.30	CO.9.7.	Vegetation-Based Air Pollutant Deposition Modeling and Development of a Decision Support System in Brașov City	Zahra Kiyan, Mohamad Gheibi, Luminita Andronic, Mohamed Eldessouki
15.30 – 17.00	Coffee break & Posters Session		
19.00	Gala dinner, Magnum Ballroom, <i>INTERNATIONAL Hotel Iasi</i>		

Poster Presentation Session PPS 9 - Section: Waste management in the context of circular (bio)economy,

Thursday 18.09.2025, 15.30 – 17.00

FCEEP CH III Room

Chairperson: Lect.dr. Camelia Betianu

Time	Code	Title	Authors
15.30-15.35	PO.1.1.	Obtaining Inorganic Materials with High Properties by Using Industrial Waste	Mihaela Caftanachi, Maria Harja*
15.35-15.40	PO.1.2.	The Influence of Additives and Industrial Wastes as Partial Substituents of Cement over Cementitious Materials	Mihai Vrabie, Maria Harja
15.40-15.45	PO.1.3.	Evaluation of Various Lignocellulosic Agri-Wastes as Potential Biorefinery Feedstock	Adrian Cătălin Puițel, Dan Gavrilăscu



13th INTERNATIONAL CONFERENCE ON ENVIRONMENTAL ENGINEERING AND MANAGEMENT

Empower Sustainability

17 - 20 September 2025 - Iasi, Romania

Time	Code	Title	Authors
15.45-15.50	PO.1.4.	Hydrogen Plasma Gasification Equipment for Renewable Energy Production	Iulian CUCOS *, Ion ANTONESCU, Dorina ISOPESCU, Perino BARAGA
15.50-15.55	PO.1.5.	Comparative Study on the Adsorption of Rifaximin onto PET Fibers and PET Fibers Modified With 0.1% Alginate	*Elena Fasniuc – Pereu, Daniela Ionela Ferțu, Laura Bulgariu
15.55-16.00	PO.1.6.	Energy Recovery from Biomass Waste	Loredana-Vasilica Postolache*, Gabriela Soreanu, Igor Cretescu and Gabriela Lisa
16.00-16.05	PO.1.7.	Advancements in Enzymatic and Microbial Plastic Degradation	Mădălina-Maria Enache*, Daniela Gavrilescu, Carmen Teodosiu
16.05-16.10	PO.1.8.	Sustainable Solutions for Food Waste Valorization: Pathways to Recover Bioactive Compounds and Nutrients	Paula-Sânziana Oprea, Elena-Diana Comăniță-Ungureanu, Petronela Cozma, Maria Gavrilescu
16.10-16.15	PO1.9.	Management of Packaging Waste from E-Commerce in the Context of The Circular Economy	Constantin Cîrjan, Daniela Gavrilescu, Carmen Teodosiu
16.15-16.20	PO1.10.	Sustainable Photocatalytic Fertilisers from Snail Waste and TiO ₂ Supporting Circular Bioeconomy in Hydroponic Microgreen Cultivation	Elena-Rusandra Illyes*, Luminita Andronic
16.20-16.25	PO1.11.	Optimizing Recycled Steel Slag in Asphalt Base Layers: a Sustainable Alternative to Natural Aggregates	Iriciuc Silviu Cristian, Gimiga Gelu Razvan, Galusca Izabela Narciza, Dima Diana Nicoleta, Scutaru Maria Cristina, Boaca Gheorghita
16.25-16.30	PO1.12.	A Neural Network-Based Classifier for the Recognition and Rough Segmentation of Solid Waste from Images	Marius Gavrilescu
16.30-16.35	PO1.13.	A Functional Bio-Based Product for Soil Resilience	Maria-Bianca Aiordăchioaie, Irina Volf*
16.35-16.40	PO1.14.	Environmental and Economic Perspectives on Using Waste Window Glass as Aggregate in Concrete	Mihaela Fanache (Vasiliu), Liliana Lazar, Roxana Bucur, Maria Harja*
16.40-16.45	PO1.15.	Advanced Recovery of Valuable Materials From E-Waste	Ștefan-Leontin Martiș-Ioniță, Gabriela Antoaneta Apostolescu, Maria Harja
16.45-16.50	PO1.16.	Sawdust – a Low Cost Adsorbent for Metal Ions Removal from Aqueous Media	Gabriela Nacu*, Loredana Munteanu, Laura Bulgariu
16.50-16.55	PO1.17	Introduction of the Deposit Return System in Hungary: Early Experiences and Challenges	Janka Bobek-Nagy, Eliza Molnár*, Róbert Kurdi, Szilvia Szabó, Zsolt Szigetvári, Zsuzsanna Banász
16.55-17.00	PO1.18	Implementation and Early Outcomes of Separate Kitchen Waste Collection in a Hungarian City	Janka Bobek-Nagy, Eliza Molnár*, Katalin Kovács, Róbert Kurdi



13th INTERNATIONAL CONFERENCE ON ENVIRONMENTAL ENGINEERING AND MANAGEMENT

Empower Sustainability

17 - 20 September 2025 - Iasi, Romania

Poster Presentation Session PPS 10 – Section Water and Wastewater cycles in the context of circular (bio)economy

Thursday 18.09.2025, 15.30 – 16.45

FCEEP Council Room

Chairperson: Dr. Corina-Petronela Musteret

Time	Code	Title	Authors
15.30-15.35	PO.2.1.	Research on the Realization of a Special Operations Facility Used for the Protection of Hydrotechnical Developments and Control of the Negative Effect of Floods	Iulian Cucos *, Ion Antonescu, Perino Baraga, Georgiana Marin
15.35-15.40	PO.2.2.	Granulation and Chemical Conversion of Sewage Sludge Ash. A Technical Approach for the Recovery of Plant-available Phosphorus	Sebastian Jan Baranyai*, Maria Gavrilescu
15.40-15.45	PO.2.3.	Assessment of a Lab Scale Solar Driven Photocatalytic Membrane Reactor Performance for Advanced Treatment of Municipal Wastewater	Lucian Alexandru Constantin*, Mirela Alina Constantin, Valeriu Robert Bădescu, Florenta Daniela Constantinov
15.45-15.50	PO.2.4.	Assessment on Photocatalytic Degradation of Wastewater Containing Textile Black 5 Dye Using Fly Ash – TiO ₂ Catalysts	Mirela Alina Constantin*, Lucian Alexandru Constantin, Florenta Daniela Constantinov
15.50-15.55	PO.2.5.	Engineered Bio-Based Magnetic Composites for Dye Removal: a Circular Approach to Wastewater Treatment	Andra-Cristina Enache*, Ionela Grecu, Petrisor Samoila, Corneliu Cojocaru
15.55-16.00	PO.2.6	Designing A Sustainable Rainwater Management System For The 'Tudor Vladimirescu' Campus, Iași: A Smart City–Smart Campus Approach	Marcoie Nicolae, Nechita Mircea Teodor, Balan Marius, Toma Daniel, Balan Catalin Dumitrel*
16.00-16.05	PO.2.7.	Sustainable Aquaculture Systems: Environmental Impact, Technological Innovation and Pathways Toward Circular Economy	Mirela Crețu, Carmelia Mariana Dragomir Bălănică, Marian Tiberiu Coadă, Ciprian Cuzmin
16.05-16.10	PO.2.8.	The Interdependence between Organic Agriculture and the Use of Sludge from Sewage Treatment Plants in Romania	Carmelia Mariana Dragomir Bălănică, Mirela Crețu, Marian Tiberiu Coadă, Ciprian Cuzmin
16.10-16.15	PO.2.9.	Metal-Free Carbon-Based Photocatalysts vs. TiO ₂ for Solar Degradation of Micro-Pollutants	Alina Gabriela Tunaru*, Luminita Andronic
16.15-16.20	PO.2.10.	Removal of Manganese, Iron and Disinfection Byproducts Precursors from Groundwater by Coagulation-Flocculation and Adsorption Processes	Corina-Petronela Musteret*, Oana Plavan, Carmen Teodosiu
16.20-16.25	PO.2.11.	Green Biosorption of Some Textile Azo Dyes Using a Novel Marine Chito-Protein Matrix: Efficiency, Reusability, and Toxicity Assessment	Nisrine Nouj, Aboubakr Ben Hamou, Ayoub Chaoui Mohamed Rida Abelouah, Mohamed Idbella, Naima Hafid, Gabriela Soreanu, Ingrid Ioana Buciscanu, Nouredine El Alem, Igor Cretescu
16.25-16.30	PO.2.12.	Development of Eco-Friendly Adsorbents Materials from Orange Peels for Water Decontamination Sustainable Applications	Giovanina-Iuliana Ionică, Cristina Orbeci, Liliana Bobirică, Constantin Bobirică, Sorina Coman



13th INTERNATIONAL CONFERENCE ON ENVIRONMENTAL ENGINEERING AND MANAGEMENT

Empower Sustainability

17 - 20 September 2025 - Iasi, Romania

Time	Code	Title	Authors
16.30-16.35	PO.2.13.	Characteristics and Treatment Facilities of Collected Wastewaters from a Zootechnical Farm	Cristina-Alexandra Haivas, Carmen Zaharia
16.35-16.40	PO.2.14.	Iron Scraps Waste-Derived Electrocoagulation for Removal of Sodium Dodecyl Sulfate from Water	Mihaela Gabriela Staicu*, Lacrima-Crysty Ighian, Sorina Ilies, Anamaria Baci, Florica Manea

Poster Presentation Session PPS 11 – Innovative and advanced materials

Thursday 18.09.2025, 15.30 – 16.25

FCEEP CH IV Room

Chairperson: Dr. Gabriela Apostolescu

Time	Code	Title	Authors
15.30-15.35	PO.3.1.	Removal of Ceftriaxone from Aqueous Media by Adsorption: Comparison Between Activated Carbon and CNF-Functionalized Composite	Diana Hanganu*, Lidia Favier, Catalina Nutescu (Duduman), Gabriela Apostolescu, Maria Harja
15.35-15.40	PO.3.2.	Cr-polymer Composite Precursor for Obtaining an Adsorbent	Vasile Gutsanu*, Gabriela Lisa, Alina-Mirela Ipate Maria Botnaru
15.40-15.45	PO.3.3.	Entangling Nanostructures of ZnAl Ldh/ZnO/ZnAl ₂ O ₄ for Ibuprofen Degradation under Solar Light Irradiation	Gabriela Carja, Loredana Gavrila*, Liliana Lazar
15.45-15.50	PO.3.4.	Ni-Doped STiO ₃ /Mxene Nanocomposites for Efficient Solar Photocatalytic Hydrogen Generation	Héctor Valdés*, Padmanaban Annamalai, And Bharathkumar Sivakumar
15.50-15.55	PO.3.5.	The Effect of Physico-Chemical Properties Obtained by Different Preparation Methods on CoCuAl Oxide for CO ₂ Purification of Industrial Flue Gas	Anthony Abou Rahhal, Eric Genty, Renaud Cousin, Anne Ponchel, Sebastien Noel, Christophe Poupin, Stephane Siffert*
15.55-16.00	PO.3.6	Tailoring the Photocatalytic Properties of TiO ₂ via Copper Doping for Enhanced Bisphenol A Degradation under Visible Irradiation	Lidia Favier, Yassine Jari, Chaker Necibi, Bouchaib Gourich, Christophe Vial, Maria Harja, et Nicolas Roche
16.00-16.05	PO.3.7.	Redispersion Strategies for Dried Cellulose Nanofibers: Enabling their Use in Bio-based Lubricating	Claudia Roman*, Gabriel Savin, Georgiana Vitelaru, Miguel A. Delgado, Moisés Garcia-Morales, Liliana Lazar*
16.05-16.10	PO.3.8.	The Physics of Cellulose Nanopaper	Florin Ciolacu* And Diana Ciolacu
16.10-16.15	PO.3.9.	Heterostructuring Ni Nanoparticles and ZnSnAl LDH for Driving CO ₂ Catalytic Reduction Using Solar Light Energy	Gabriela Carja, Denis Cutcovschi*, Elena Seftel
16.15-16.20	PO.3.10.	Solar-Light Responsive Copper Nanoparticles/Layered Double Hydroxides Heterostructures for Efficient Pollutant Removal	Gabriela Carja, Oleg Tihon*, Sofronia Bouariu
16.20-16.25	PO.3.11.	Copper Nanoparticles Stabilized on Mesoporous Silica via Deposition-Precipitation for the Selective Hydrogenation of Biomass-Derived Levulinic Acid To γ-Valerolactone	Mihaela Bectoraş, Cezar Catrinescu, Adrian Ungureanu, Carmen Ciotonea, Sébastien Royer



13th INTERNATIONAL CONFERENCE ON ENVIRONMENTAL ENGINEERING AND MANAGEMENT

Empower Sustainability

17 - 20 September 2025 - Iasi, Romania

Poster Presentation Session PPS 12 – Monitoring and modelling of environmental pollution

Thursday 18.09.2025, 16.25 – 17.15

FCEEP CH IV Room

Chairperson: Assoc.Prof.Dr. Gabriela Șoreanu

Time	Code	Title	Authors
16.25-16.30	PO.3.11.	Climate Change Impacts on Water Quality: A Bibliometric Analysis of the Current State of Knowledge Using VOS Viewer Software	Madalina Elena Abalasei*, Carmen Teodosiu
16.30-16.35	PO.3.12.	Impact of Ambient Noise on Urban Population	Simion Sorin, Nălboc Irina*, Găman Angelica, Kovacs Marius, Simion Alexandru
16.35-16.40	PO.3.13.	Artificial Intelligence for Climate Change Mitigation: Opportunities, Applications and Challenges	Maria Gavrilescu
16.40-16.45	PO.3.14.	Phytoremediation of Heavy Metal-Contaminated Soils by Rapeseed (<i>Brassica Napus L.</i>)	Petronela Cozma*, Raluca-Maria Hlihor, Maria Paiu, Maria Gavrilescu
16.45-16.50	PO3.15.	Exploring the Combined Effects of Ceftriaxone and Polypropylene Microplastics on Zebrafish (<i>Danio Rerio</i>) Social Behavior	Ramona-Alexandra Ciaușu*, Ionuț-Alexandru Chelaru, Gabriel Andrei Andronic, Dorel Ureche, Mircea Nicușor Nicoară
16.50-16.55	PO.3.16.	Dynamic Behavior and Comparative Performance of VOCs Adsorption on Polymeric and Carbon-Based Systems	Marilena-Adela Buburuzan*
16.55-17.00	PO.3.17.	Employees' Perception on Indoor Air Quality in Office Buildings: Pollution Awareness and Effective Solutions	Adrian Cătălin Toma* and Irina Volf
17.00-17.05	PO.3.18.	Hydrological Adaptation in Semi-Arid Basins: A Comparative Study of the Zarqa and Ebro Basins	Aloyed Odai Fahad Talab, Daniel Scradeanu
17.05-17.10	PO.3.19.	Dynamic Behavior of Persistent Organic Pollutants in Soil	Camelia Bețianu*, Adrian Puițel, Teodor Măluțan, Maria Gavrilescu
17.10-17.15	PO.3.20.	Drone Technology in Environmental Education: A Sustainable Training Model in the Era of Climate Change	Marianna Savva*, Alisa Moșneaga, Olga Darii, Anton Danici, Sergiu Pascari
19.00	Gala dinner, Magnum Ballroom, INTERNATIONAL Hotel Iasi		



13th INTERNATIONAL CONFERENCE ON ENVIRONMENTAL ENGINEERING AND MANAGEMENT

Empower Sustainability

17 - 20 September 2025 - Iasi, Romania

Friday, 19 September 2025

Oral Communication Session OCS 13. Sustainability assessment & eco-innovation, 09.00-11.00

Location: FCEEP CH III Room

Chairpersons: Prof.dr. Feni Agostinho, Assoc. Prof. Dr. George Barjoveanu

Technical Support: Dr. Petronela Cozma

Time	Code	Title	Authors
9.00 - 9.30	CO.12.1.	Keynote lecture: Growing Use of Life Cycle Assessment as a Tool to Quantify Sustainability	John D. Atkinson*, Zeinab Mousania
9.30 - 9.45	CO.12.2	Towards Circular Carbon and Water Management: LCA of a Biogas-Based Carbon Dioxide Capture Process	N. Schäuble*, M. Wehinger, C. Huang, L. Lee, J. Hoinkis, M. Graf
9.45 - 10.00	CO.12.3.	From Barriers to Balance: Assessing the Ecological Benefits of Fish Ladders on the Gilort River	Cristian Ioja, Gabriel Meleşcanu, Cristian Tetelea, Marius Matache*
10.00 - 10.15	CO.12.4.	LCA of Cellulose-Based Material Synthesis for the Remediation of Contaminated Sediment	Milvia Elena Di Clemente*, George Barjoveanu, Roberto Grisorio, Andrea Petrella, Gian Paolo Suranna, F. Todaro, Carmen Teodosiu, Michele Notarnicola
10.15 - 10.30	CO.12.5.	Assessing Environmental Impacts of Wefe Nexus Demonstration Sites within the SURENEXUS Project	Elisa Blumenthal, Lorenzo Tombolini*, Alessia Foglia, Virginia Barros, Massimiliano Sgroi, Anna Laura Eusebi, Nikos Bedauc, Doron Markeld, Francesco Fatone
11.00 - 11.30	Coffee break		

Oral Communication Session OCS 14. Biotechnologies and bioprocesses

Friday 19.09.2025, 09.00-10.30

Location: FCEEP Council Room

Chairpersons: Prof.dr. Maria Gavrilescu, Assoc.Prof. Dr. Alexandra Blaga

Technical Support: Dr. Adrian Cătălin Puiţel

Time	Code	Title	Authors
9.00 - 9.30	CO.13.1.	Keynote lecture: Microencapsulation: A New World of Opportunities	Berta Nogueiro Estevinho
9.30 - 9.45	CO.13.2.	Degradation of Paracetamol, Ibuprofen, and Naproxen by Packed Bed Bioreactor System in Continous Plug Flow Operation	Ixbalanque Arturo Martínez Alva*, Fortunata Santoyo Tepole, Nora Ruiz Ordaz, Juvencio Galíndez Mayer and Eduardo Alor Moha
9.45 - 10.00	CO.13.3.	Esterases as Suitable Enzymes for Production and Recycling of Polyurethanes with the Concept of Cradle-to-Cradle	Martin Halecký*, Jiří Mach, Olga Kočková and Hynek Beneš
10.00 - 10.15	CO.13.4.	Photodegradation of Rosemary Extracts	Claudia Cobzaru, Cătălina Elena Iacob, Gabriela Antoaneta



13th INTERNATIONAL CONFERENCE ON ENVIRONMENTAL ENGINEERING AND MANAGEMENT

Empower Sustainability

17 - 20 September 2025 - Iasi, Romania

Time	Code	Title	Authors
			Apostolescu, Nicolae Apostolescu, Corina Cernătescu*
10.15 - 10.30	CO.13.5	Biosorption of Cationic Dyes onto a Novel Biocomposite Material Based on Sawdust and Natural Polymers: Evaluation of Kinetic Models	Lăcrămioara Rusu*, Narcis-Teodor Niță, Florin Marian Nedeff, Daniela Șuteu, Elena-Mirela Suceveanu*
10.30 - 10.45	CO.13.6.	Sustainable Agricultural Practices: Reducing Carbon Footprint of Wheat Production	Iulian Gabur, Georgiana-Diana Gabur*
11.00-11.30		Coffee break	

Oral Communicaton Session OCS 15. Novel processes and technologies Friday 19.09.2025, 09.00-10.30

Location: FCEEP CH IV Room

Chairpersons: Prof.Dr. Luminita Andronic, Prof.dr. Igor Cretescu

Technical Support: PhD student Ramona Ciobanu

Time	Code	Title	Authors
9.00 - 9.30	CO.14.1.	Keynote lecture: Recent Advances in Photocatalytic Materials to Prolong the Shelf Life of Climacteric Fruits	Héctor Valdés
9.30 - 9.45	CO.14.2.	Purification of Saturated Brine Using New Chelating Resin for the Chlor-alkali Sustainable Process	Liliana Lazăr (*), Valeria Danilova, Dumitru Coman, Maria Harja, Ioan Mămăligă
9.45 - 10.00	CO.14.3.	Catalytic Hydro-Dehalogenation Optimization of Pyrolysis Oil from WEEE Plastics	B. M. Falco*, M. E. Di Clemente, E. Fersini, M. Dell'Anna, F. Todaro, M. Notarnicola
10.00 - 10.15	CO.14.4.	A Process Network Towards a Future Methanol Economy	Walter Wukovits*, Diana Dimande, Michael Harasek
10.15 - 10.30	CO.14.5.	Comprehensive Study on the Photocatalytic Removal of an Antidiabetic Drug from Aqueous Solution	Lidia Favier, Diana Hanganu, Andrei Ionut Simion, Cristina Gabriela Grigoras, Maria Harja
10.30-10.45	CO.14.6	Preparation of a Novel Carbon Adsorbent for Cd ²⁺ , Cr ³⁺ And Ni ²⁺ Removal	Nicoleta-Mirela Marin
10.45-11.00	CO.14.7.	Green Nitrate and Hydrogen Peroxide Synthesis by Non-thermal Plasma Reactors for agricultural applicationsE	Bogdan-Andrei Pingescu, Daniel Asmarandei, Dragoș Astanei, Oana Beniugă, Răzvan Beniugă, Radu Burlică
11.00 – 11.30		Coffee break	



13th INTERNATIONAL CONFERENCE ON ENVIRONMENTAL ENGINEERING AND MANAGEMENT

Empower Sustainability

17 - 20 September 2025 - Iasi, Romania

Posters Presentation Session PPS 16. Section: Sustainability assessment & eco-innovation

Friday 19.09.2025, 11.30-12.15

Location: FCEEP CH III Room

Chairperson: Assoc. Prof.Dr. George Barjoveanu

Time	Code	Title	Authors
11.30-11.35	PO4.1.	Life Cycle Assessment of End-of-Life Vehicles in Romania	Florenta Dinita (Suhani - Dinita), George Barjoveanu, Carmen Teodosiu
11.35-11.40	PO.4.2.	Synergizing Quality and Environmental Management in Healthcare Institutions: Pathways toward Sustainable and Patient-Centered Care	Dana-Gabriela Simion Ludușanu, Grigore Tinică, Maria Gavrilăscu
11.40-11.45	PO.4.3.	Integrating Tourism, Mobility, and Environmental Sustainability: A Conceptual Framework for the European Union	Tiberiu Vlad Simion, Raluca-Maria Mighiu Țăbuleac, Maria Gavrilăscu
11.45-11.50	PO.4.4.	Green Transformation in Tourism: Eco-Innovation Adoption and Sustainability Performance Across Europe	Raluca-Maria Țăbuleac*, Tiberiu Vlad Simion, Elena-Diana Comăniță-Ungureanu, Petronela Cozma, Camelia Betianu, Isabela Maria Simion, Maria Gavrilăscu
11.50 - 11.55	PO4.5.	Nature-Based Solutions Urban Living Lab Tei-Colentina	Cristian Ioja, Maria-Alexandra Calotă, Alina Hossu, Mihai-Răzvan Niță, Marius Lucian Matache*
11.55-12.00	PO4.6.	A Sustainable Environmental Impact Assessment through BIM-LCA Framework – a Case Study	Bogdan Chelaru, Gabriela Ungureanu, Cătălin Onuțu , Adrian Alexandru Șerbănoiu
12.00-12.05	PO.4.7.	An LCA Comparison of Early-Stage Environmental Assessment of Organic-Inorganic Composites for Environmental Applications	George Barjoveanu, Ramona Ciobanu, Oana Plavan, Florin Bucatariu, Marcela Mihai, Carmen Teodosiu, Daniela Fighir
12.05-12.10	PO.4.8.	Sustainability Indicators Considered for Corporate Social Responsibility Assessment: Current Status and Perspectives	Dumitru Botan, Daniela Fighir, Ioana Tanasa, Eduard Strainu, Brindusa Sluser
12.10-12.15	PO.4.9.	Statistical Analysis and Impact Assessment of Car Fleet Pollution: Case Study Iasi City, Romania	Andrei Hancu, Ioana Tanasa, Dumitru Botan, Catalin Balan, Brindusa Sluser
12.30	ICEEM13 Closing ceremony FCEEP CH III Room		



13th INTERNATIONAL CONFERENCE ON ENVIRONMENTAL ENGINEERING AND MANAGEMENT

Empower Sustainability

17 - 20 September 2025 - Iasi, Romania

Posters Presentation Session PPS 17. Section: Biotechnologies and bioprocesses

Friday 19.09.2025, 11.30-12.05

Location: FCEEP Council Room

Chairperson: Assoc.Prof. Dr. Alexandra Blaga

Time	Code	Title	Authors
11.30-11.35	PO5.1.	Thermodynamic Modeling of Dichromate Anion Biosorption by Green Marine Algae Biomass	Loredana Munteanu*, Gabriela Antoaneta Apostolescu, Laura Bulgariu
11.35-11.40	PO.5.2.	Biosorption Approach to Rifampicin Removal from Aqueous Media using Biocomposite Material Based on Microbial Residual Biomass and Natural Polymers	Elena-Mirela Suceveanu, Narcis-Teodor Niță, Lidia Favier, Lăcrămioara Rusu*
11.40-11.45	PO.5.3.	Evaluation of Liquid Waste Streams from Lignocellulosic Agricultural Materials for Itaconic Acid Biosynthesis using <i>Aspergillus Terreus</i>	Alexandra Cristina Blaga*, Adrian Puițel, Dan Cașcaval, Mădălina Paraschiv, Anca Irina Galaction
11.45-11.50	PO.5.4.	Challenges of Biomass Valorization	Lenuța Kloetzer*, Alexandra Cristina Blaga, Alexandra Tucaliuc, Nicholas Brodu, Laurent Balland, Jens Denecke
11.50 - 11.55	PO5.5.	Natural Deep Eutectic Solvents (Nades) as Sustainable Solvents for Enhanced Bioactive Phytoextracts from <i>Artemisia Annua</i> for Dermato-Cosmetic Formulations	Claudia Maxim, Alexandra Cristina Blaga, Adriana Trifan, Delia Turcov, Lacramioara Rusu, Daniela Suteu
11.55-12.00	PO5.6.	<i>Tagetes erecta</i> (marigold) as a Candidate for Phytoremediation of Galvanic Sludge-Polluted Soils	Eliza Molnár*, Janka Bobek-Nagy, Róbert Kurdi, Renáta Rauch Sárainé
12.00-12.05	PO.5.7.	Advanced Liquid-Liquid Extraction of Malic Acid with Ionic Liquids in Bioprocessing Applications	Alexandra Cristina Blaga*, Dan Cascaval, Anca Irina Galaction
12.30		ICEEM13 Closing ceremony, FCEEP CH III Room	

Posters Presentation Session PPS18. Section: Novel processes and technologies

Friday 19.09.2025, 11.30-12.00

Location: FCEEP CH IV

Chairperson: Dr. Adrian Cătălin Puițel

Time	Code	Title	Authors
11.30-11.35	PO.6.1.	Control and Performance Assessment for Brine Electrolysis Industrial Process by Ion Exchange Membrane Cell	Dumitru Coman, Valeria Danilova, Liliana Lazar (*), Ioana Fechete, Ioan Mămăligă
11.35-11.40	PO.6.2.	Effectiveness of Soxhlet Extraction on Secondary Metabolites from <i>Datura Innoxia</i> : a Study of Chemical and Morphological Characterization	Georgiana Balusescu(*), Liliana Lazar(*), Adrian-Catalin Puitel, Daniel Gherca, George Stoian, Teodor Malutan
11.40-11.45	PO.6.3.	Condensation-Induced Emulsification: Influence of Operation Parameters on Nanodroplet Formation	Eugenia Teodora Iacob – Tudose*, Marius Sebastian Secula, Camelia Tincu



13th INTERNATIONAL CONFERENCE ON ENVIRONMENTAL ENGINEERING AND MANAGEMENT

Empower Sustainability

17 - 20 September 2025 - Iasi, Romania

Time	Code	Title	Authors
11.45-11.50	PO.6.4.	Efficient Visible Light-Driven Photocatalytic Degradation of a Synthetic Dye: Assessment of Process Efficiency and Phytotoxicity of Degradation Products	Maria Paiu*, Lidia Favier, Doina Lutic, Raluca-Maria Hlihor, Veronique Alonzo, Maria Gavrilescu
11.50 - 11.55	PO.6.5.	Synthesis and Characterization of a Cu-Enriched NPK Fertilizer Using Copper Recovered from Wastewater and CaO Additives: Agronomic Performance and Material Properties	Tataru -Fărnuș Ramona-Elena, Miscoi Roman, Cimpoeșu Ramona, Apostolescu Nicolae
11.55-12.00	PO.6.6.	Synthesis of ZnWO ₄ Catalyst for the Photocatalytic Degradation of Chlortetracycline	Nicolae Apostolescu, Corina Cernătescu, Claudia Cobzaru, Ramona Elena Tătaru Fărnuș, Călin George Pravăț, Gabriela Antoaneta Apostolescu
12.30	ICEEM13 Closing ceremony, FCEEP CH III Room		



13th INTERNATIONAL CONFERENCE ON ENVIRONMENTAL ENGINEERING AND MANAGEMENT

Empower Sustainability

17 - 20 September 2025 - Iasi, Romania

LIST OF PARTICIPANTS

Name	Affiliation
A	
Mădălina-Elena Abalasei	"Gheorghe Asachi" Technical University of Iasi, Romania
Anthony Abou Rahhal	UCEIV/ULCO, France
Feni Agostinho	Paulista University, Brazil
Maria-Bianca Aiordăchioaie	"Gheorghe Asachi" Technical University of Iasi, Romania
Teodor Andron	Institut "Jožef Stefan", Slovenia
Luminita Andronic	Transilvania University of Brasov, Romania
Petru Apopei	"Gheorghe Asachi" Technical University of Iasi, Romania
Gabriela Apostolescu	"Gheorghe Asachi" Technical University of Iasi, Romania
Nicolae Apostolescu	"Gheorghe Asachi" Technical University of Iasi, Romania
Emanuel Armanu	"Gheorghe Asachi" Technical University of Iasi, Romania
Alexandru Asandei	University of Connecticut, United States of America
John Atkinson	State University of New York at Buffalo, United States of America
B	
Catalin-Dumitrel Balan	"Gheorghe Asachi" Technical University of Iasi, Romania
Mariana Carmelia Balanica Dragomir	"Dunarea de Jos" University of Galati, Romania
Sebastian Baranyai	"Gheorghe Asachi" Technical University of Iasi, Romania
George Barjoveanu	"Gheorghe Asachi" Technical University of Iasi, Romania
Melinda-Maria Bazarghideanu	"Petru Poni" Institute of Macromolecular Chemistry, Romania
Mihaela Bectoras	"Gheorghe Asachi" Technical University of Iasi, Romania
Kinga Manuēla Berta	University of Pannonia, Hungary
Camelia Betianu	"Gheorghe Asachi" Technical University of Iasi, Romania
Alexandra Blaga	"Gheorghe Asachi" Technical University of Iasi, Romania
Chelaru Bogdan	"Gheorghe Asachi" Technical University of Iasi, Romania
Marilena-Adela Buburuzan	"Gheorghe Asachi" Technical University of Iasi, Romania
Laura Bulgariu	"Gheorghe Asachi" Technical University of Iasi, Romania
Michele Buono	Università di Bologna, Italy
C	
Bălănică Dragomir Carmelia Mariana	"Dunarea de Jos" University of Galati, Romania
Dan Cașcaval	"Gheorghe Asachi" Technical University of Iasi, Romania
Cezar Catrinescu	"Gheorghe Asachi" Technical University of Iasi, Romania
Marius Cazacu	"Gheorghe Asachi" Technical University of Iasi, Romania
Ramona-Alexandra Cîiașu	"Alexandru Ioan Cuza" University of Iasi, Romania
Timeea-Anastasia Ciobanu	"Petru Poni" Institute of Macromolecular Chemistry, Romania
Ramona Ciobanu	"Gheorghe Asachi" Technical University of Iasi, Romania
Florin Ciolacu	"Gheorghe Asachi" Technical University of Iasi, Romania
Constantin Cirjan	"Gheorghe Asachi" Technical University of Iasi, Romania
Dumitru Coman	"Gheorghe Asachi" Technical University of Iasi, Romania
Mirela Alina Constantin	INCD - ECOIND, Romania
Lucian Alexandru Constantin	INCD - ECOIND, Romania
Petronela Cozma	"Gheorghe Asachi" Technical University of Iasi, Romania
Corina Cernatescu	"Gheorghe Asachi" Technical University of Iasi, Romania



13th INTERNATIONAL CONFERENCE ON ENVIRONMENTAL ENGINEERING AND MANAGEMENT

Empower Sustainability

17 - 20 September 2025 - Iasi, Romania

Name	Affiliation
Maria Covei	Transilvania University of Brasov, Romania
Igor Cretescu	"Gheorghe Asachi" Technical University of Iasi, Romania
Mirela Cretu	Dunarea de Jos University of Galati, Romania
Iulian Cucos	"Gheorghe Asachi" Technical University of Iasi, Romania
Denis Cutcovschi	"Gheorghe Asachi" Technical University of Iasi, Romania
D	
Valeria Danilova	"Gheorghe Asachi" Technical University of Iasi, Romania
Olga Darii	Moldova State University, Republic of Moldova
Sabino De Gisi	University of Salerno, Italy
Milvia Elena Di Clemente	Politecnico di Bari, Italy
Nicoleta Dima	"Gheorghe Asachi" Technical University of Iasi, Romania
Florenta Dinita	"Gheorghe Asachi" Technical University of Iasi, Romania
Botan Dumitru	"Gheorghe Asachi" Technical University of Iasi, Romania
E	
Mohamed Eldessouki	DigInnoCent s.r.o., Czech Republic
Andra-Cristina Enache	"Petru Poni" Institute of Macromolecular Chemistry, Iasi, Romania
Mădălina-Maria Enache-Cozma	"Gheorghe Asachi" Technical University of Iasi, Romania
F	
Bianca Maria Falco	Politecnico di Bari, Italy
Elena Fasniuc Pereu	"Gheorghe Asachi" Technical University of Iasi, Romania
Francesco Fatone	Marche Polytechnic University, Italy
Lidia Favier	Universite de Rennes, France
Róbert Fejes	University of Pannonia, Hungary
Daniela Fighir	"Gheorghe Asachi" Technical University of Iasi, Romania
G	
Georgiana-Diana Gabur	"Ion Ionescu de la Brad" Life Sciences University, Iași, Romania
Iulian Gabur	"Ion Ionescu de la Brad" Life Sciences University, Iași, Romania
Loredana-Andreea Gavrila	"Gheorghe Asachi" Technical University of Iasi, Romania
Adina Carmen Gavrilescu	"Gheorghe Asachi" Technical University of Iasi, Romania
Daniela Gavrilescu	"Gheorghe Asachi" Technical University of Iasi, Romania
Dan Gavrilescu	"Gheorghe Asachi" Technical University of Iasi, Romania
Marius Gavrilescu	"Gheorghe Asachi" Technical University of Iasi, Romania
Maria Gavrilescu	"Gheorghe Asachi" Technical University of Iasi, Romania
Gelu-Razvan Gimiga	"Gheorghe Asachi" Technical University of Iasi, Romania
Magnus Graf	Karlsruhe University of Applied Sciences, Germany
Vasile Gutsanu	Moldova State University, Republic of Moldova
H	
Cristina-Alexandra Haivas	"Gheorghe Asachi" Technical University of Iasi, Romania
Martin Halecký	University of Chemistry and Technology, Czech Republic
Andrei Hancu	"Gheorghe Asachi" Technical University of Iasi, Romania
Diana Hanganu	"Gheorghe Asachi" Technical University of Iasi, Romania
Maria Harja	"Gheorghe Asachi" Technical University of Iasi, Romania
Gabriela Hristea	INCD ICPE CA, Romania
I	
Eugenia Teodora Iacob Tudose	"Gheorghe Asachi" Technical University of Iasi, Romania
Elena-Rusandra Illyes	Transilvania University of Brasov, Romania
Giovanina-Iuliana Ionică	National University of Science and Technology Politehnica Bucharest, Romania



13th INTERNATIONAL CONFERENCE ON ENVIRONMENTAL ENGINEERING AND MANAGEMENT

Empower Sustainability

17 - 20 September 2025 - Iasi, Romania

Name	Affiliation
K	
Lenuta Kloetzer	"Gheorghe Asachi" Technical University of Iasi, Romania
L	
Liliana Lazar	"Gheorghe Asachi" Technical University of Iasi, Romania
Gabriela Lisa	"Gheorghe Asachi" Technical University of Iasi, Romania
Riccardo Lo Coco	University of Verona, Italy
Ana-Maria Lupu	"Gheorghe Asachi" Technical University of Iasi, Romania
M	
Theodor Malutan	"Gheorghe Asachi" Technical University of Iasi, Romania
Ioan Mamaliga	"Gheorghe Asachi" Technical University of Iasi, Romania
Nicoleta Marin	INCD ECOIND, Romania
Luigi Marra	Università degli Studi di Napoli Federico II, Italy
Stefan Leontin Martinas Ionita	"Gheorghe Asachi" Technical University of Iasi, Romania
Ixbalanque Arturo Martínez Alva	Escuela Nacional de Ciencias Biológicas, Instituto Politécnico Nacional, Mexico
Marius Lucian Matache	University of Bucharest, Romania
Caftanachi Mihaela	"Gheorghe Asachi" Technical University of Iasi, Romania
Marcela Mihai	Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania
Eliza Molnár	University of Pannonia, Hungary
Corina-Petronela Musteret	"Gheorghe Asachi" Technical University of Iasi, Romania
N	
Gabriela Nacu	"Gheorghe Asachi" Technical University of Iasi, Romania
Irina Nălboc	INCD – INSEMEX Petrosani, Romania
Loredana Nastasa	"Gheorghe Asachi" Technical University of Iasi, Romania
Berta Nogueiro Estevinho	University of Porto, Portugal
O	
Paula Sanziana Oprea	"Gheorghe Asachi" Technical University of Iasi, Romania
P	
Maria Paiu	"Gheorghe Asachi" Technical University of Iasi, Romania
Georgiana Petrea	"Gheorghe Asachi" Technical University of Iasi, Romania
Bogdan-Andrei Pingescu	"Gheorghe Asachi" Technical University of Iasi, Romania
Loredana-Vasilica Postolache	"Gheorghe Asachi" Technical University of Iasi, Romania
Adrian Puitel	"Gheorghe Asachi" Technical University of Iasi, Romania
R	
Maria Rapa	National University of Science and Technology Politehnica Bucharest, Romania
Lăcrămioara Rusu	"Vasile Alecsandri" University of Bacau, Romania
Ioana Madalina Rusu	"Gheorghe Asachi" Technical University of Iasi, Romania
S	
Nick Schäuble	Karlsruhe University of Applied Sciences, Germany
Daniel Scradeanu	University of Bucharest, Romania
Viktor Sebestyén	University of Pannonia, Hungary
Tiberiu Vlad Simion	"Gheorghe Asachi" Technical University of Iasi, Romania
Dana Gabriela Simion	"Gheorghe Asachi" Technical University of Iasi, Romania
Brindusa-Mihaela Sluser	"Gheorghe Asachi" Technical University of Iasi, Romania
Mihaela Gabriela Staicu	"Gheorghe Asachi" Technical University of Iasi, Romania
Eduard Strainu	"Gheorghe Asachi" Technical University of Iasi, Romania



13th INTERNATIONAL CONFERENCE ON ENVIRONMENTAL ENGINEERING AND MANAGEMENT

Empower Sustainability

17 - 20 September 2025 - Iasi, Romania

Name	Affiliation
Daniela Suteu	"Gheorghe Asachi" Technical University of Iasi, Romania
Akarsh Swamilingappa Annaiah	University of Bologna, Italy
T	
Raluca-Maria Tabuleac	"Gheorghe Asachi" Technical University of Iasi, Romania
Carmen Teodosiu	"Gheorghe Asachi" Technical University of Iasi, Romania
Oleg Tihon	"Gheorghe Asachi" Technical University of Iasi, Romania
Ioana Tismanar	Transilvania University of Brasov, Romania
Adrian Catalin Toma	"Gheorghe Asachi" Technical University of Iasi, Romania
Lorenzo Tombolini	Marche Polytechnic University/University of Padua, Italy
Konstantinos Tsagarakis	Technical University of Crete, Greece
Alina Gabriela Tunaru	Transilvania University of Brasov, Romania
U	
Adrian Ungureanu	"Gheorghe Asachi" Technical University of Iasi, Romania
V	
Héctor Valdés	Universidad Católica de la Santísima Concepción, Chile
Irina Volf	"Gheorghe Asachi" Technical University of Iasi, Romania
Mihai Vrabie	"Gheorghe Asachi" Technical University of Iasi, Romania
W	
Walter Wukovits	Vienna University of Technology, Austria

SPONSORS

	Salubris SA Iasi - Silver sponsor
 water an Open Access Journal by MDPI	ICEEM13 Best Oral Presentation Award (300 EUR) ICEEM13 Best PhD Presentation Award (300 EUR) are sponsored by Water MDPI Journal
	Asociatia Romana de Mediu Romanian Environment Association