

Call for papers

12th INTERNATIONAL CONFERENCE ON ENVIRONMENTAL ENGINEERING AND MANAGEMENT

Circular Economy and Sustainability

13 - 16 September 2023, Iasi, Romania



Organized by

Gheorghe Asachi Technical University of Iasi, Romania Department of Environmental Engineering and Management

Marche Politecnic University, Italy Department of Science and Engineering of Materials, Environment and Urban Planning

Welcome

The International Conference on Environmental Engineering and Management (ICEEM) will have its twelfth edition in 2023. Since the previous edition, people's life styles, production and consumption patterns and the global economy have changed dramatically. We are now struggling to understand the impacts of these trends on the environment, on the ecosystems, and how we are going to ensure a more sustainable management of resources.

ICEEM12 will remain the same multi- and transdisciplinary forum for high-level scientific dissemination with the aim to foster internationalization, multi-disciplinarity and collaboration in environmental engineering and management research.

ICEEM12 invites academia, the research community, industry and societal representatives to contribute to the suggested themes and topics. Submissions are encouraged to present innovative, multi-disciplinarity and cross-sectorial approaches to solving environmental and sustainability problems.

ICEEM 12 will have onsite plenary sessions, poster presentations, workshops. As always, the social events of ICEEM12 will enable discussions, cooperation and networking.

We are looking forward to welcoming you in lasi!



Prof.Dr. Carmen Teodosiu Gheorghe Asachi Technical University of Iasi, Romania



dosiu Prof.Dr. Francesco Fatone Assoc.F nical Universita Politecnica delle Ghec nania Marche, Italy Unive ICEEM 12 Conference Co-Presidents



Assoc.Prof.Dr. Brindusa Sluser Gheorghe Asachi Technical University of Iasi, Romania

Conference themes & topics

I. Environmental biotechnology

- Biotechnologies for marine and terrestrial plastic pollution abatement
- Bioremediation contribution to healthy soil and food

II. Water and wastewater cycles in the context of circular (bio)economy

- Water and wastewater treatment
- Recovery of nutrients and precious elements
- Wastewater and sludge reuse applications

III. Waste management in the context of circular (bio)economy

- Waste treatment and valorization
- Valorization of biowaste and biorefineries
- Urban mining

IV. Sustainability assessment & eco-innovation

- Life cycle assessment
- Footprint indicators (ecological, water, carbon)
- Eco-design and eco-innovation

V. Novel materials for environmental and energy applications

- Solar energy materials
- Materials, eco-processes and eco-products
- Nanotechnologies

VI. Monitoring and modelling of environmental pollution

- Pollution monitoring and control
- Climate change and related events
- Modelling, optimization and simulation

VII. Thematic workshops

- Water and waste sustainable management in Eastern Europe
- Horizon European projects



International Scientific Committee

Prof. Dr., Dr. h.c. Maria Madalena dos Santos Alves University of Minho, Portugal Prof. Dr. Cecilia Maria Villas Boas de Almeida Universidade Paulista, Brazil Dr. Teresa Alvarino CETAQUA Spain Prof. Dr. Manuela Antonelli Politecnico di Milano, Italy Dr Federico Aulenta CNR IRSA, Italv Prof. Dr., Dr. h.c. Adisa Azapagic The University of Manchester, United Kingdom Assoc. Prof.dr. George Barjoveanu "Gheorghe Asachi" Technical University of Iasi, Romania Prof. Dr. Hans Bressers University of Twente, The Netherlands Prof. Dr. Tomas Cajthaml Charles University, Czech Republic Dr. Nicolas Caradot Berlin Competence Centre for Water,

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

Assoc.Prof. Dr. Cezar Catrinescu "Gheorghe Asachi" Technical University of Iasi, Romania

Prof. Dr., Dr.h.c. Yusuf Chisti Massey University, New Zealand

Prof. Dr., Dr.h.c. Phillippe Corvini FHHVN & EFB, Switzerland Prof. Dr. Igor Cretescu "Gheorghe Asachi" Technical University of Iasi, Romania

Dr. Maja Djolic University of Belgrade, Serbia

Dr. Anna Laura Eusebi Università Politecnica delle Marche, Italy

Prof. Dr. Camelia Draghici Transilvania University of Brasov, Romania

Prof. Dr., Dr.h.c. Fabio Fava University of Bologna, Italy

Prof. Dr., Dr.h.c. Silvia Fiore Politecnico di Torino, Italy

Prof. Dr., Dr.h.c. Anton Friedl Vienna University of Technology, Austria

Prof. Dr. Maria Gavrilescu "Gheorghe Asachi" Technical University of Iasi. Romania Prof.dr. Joan Garcia Universitat Politecnica de Catalunya, Spain Prof. Dr. Biagio Fernando Giannetti Universidade Paulista, Brazil Dr. Bernd Manfred Gawlik EC - JRC, Ispra, Italy Assoc. Prof. Dr. Sabino de Gisi Politecnico di Bari, Italy Prof. Dr. Almudena Hospido University of Santiago de Compostela, Spain Prof. Dr., Dr.h.c. Nikolas Kalogerakis Technical University of Crete, Greece Prof.Dr. Evina Katsou Brunel University of London, United Kingdom Prof. Dr. Athanasios Loukas Aristotle University of Thessaloniki, Greece Assoc.Prof.Dr. Simos Malamis National Technical University of Athens, Greece Prof.dr. Teodor Malutan "Gheorghe Asachi" Technical University of Iasi, Romania Prof.dr.Florica Manea Politehnica University of Timisoara, Romania Prof. Dr. Giorgio Mannina University of Palermo, Italy Prof. Dr. Ecaterina Matei Politehnica University of Bucharest, Romania Prof. Dr. Antonio Marzocchella Università degli Studi di Napoli

Federico II, Italy **Prof. Dr. Anne Menert** University of Technology, Estonia

Prof. Dr. Rolandas Meskys Life Sciences Center, Lithuania

Dr. Marcela Mihai "P. Poni" Institute of Macromolecular Chemistry, Iasi, Romania **Prof. Dr. Monika Molnar,** Budapest University of Technology, Hungary

 $\begin{array}{l} \textbf{Prof.dr. Ovidiu Nemes} \\ ({}_{i} \textit{OB}^{a} \underbrace{{}_{\bullet} \breve{S}}^{n}) {}^{a} \underbrace{{}_{f} @}{}_{f} @ \underbrace{{}_{\mu} @}{}_{\mu} @ \underbrace{{}_{\mu} @}{}_{k} @ \underbrace{{}_{\mu} &}{}_{i} & \underbrace{{}_{\mu} &}{} & \underbrace{{}_{\mu} &}{ &} & \underbrace{{}_{\mu} &}{ &} & \underbrace{{}_{\mu} &} & \underbrace{{}_{\mu} &}{ &} & \underbrace{{}_{\mu} &} & \underbrace{{}_{\mu} &}{ &} & \underbrace{{}_{\mu} &}{ &} & \underbrace{{}_{\mu} &} & \underbrace{{}_{\mu} &}{ &} & \underbrace{{}_{\mu} &}{ &} & \underbrace{{}_{\mu} &} & \underbrace{{}_{\mu} &} & \underbrace{{$

Prof. Dr. Mircea Nicoara "Alexandru Ioan Cuza" University, Iasi, Romania Prof. Dr. Cristina Orbeci

Prot. Dr. Cristina Orbeci Politehnica University of Bucharest, Romania

Prof. Dr. Maria Reis Universidade Novade Lisboa, Portugal

Prof. Dr. Sebastien Royer Université de Lille, France

Dr. Sergio Ponsa Salas University of Vic, Spain Prof. Dr. Maria Angeles Sanroman University of Vigo, Spain Prof. Dr., Dr.h.c. Wilhelm Schabel Karlsruhe Institute of Technology, Germany

Dr. Joshua Schaeffer Colorado State University, USA Prof. Dr. Stefan Shilev

Agricultural University of Plovdiv, Bulgaria Acad. Prof. Dr., Dr. h.c. Bogdan C. Simionescu

"Gheorghe Asachi" Technical University of Iasi & Romanian Academy, Romania

Prof.dr.Joanna Surmacz-Górska Silesian University of Technology, Poland

Dr. Magdalena Urbaniak University of Lodz, Polish Academy of Sciences

Dr. Gerard van den Berg KWR, the Netherlands

Prof. Dr. Irina Volf "Gheorghe Asachi" Technical University of Iasi, Romania Prof. Dr. Scott Weber

State University of New York at Buffalo, USA **Prof. Dr. Thomas Wintgens** RWTH Aachen University, Germany

www.iceem.tuiasi.ro



Submit your abstract

Authors are invited to submit a max. 2 page abstract related to the conference themes and topics by **21**st **April 2023**. The template is available on www.iceem.tuiasi.ro.

Accepted submissions will be included in the Book of abstracts.

The international Scientific Committee will suggest selected papers for publication in one of the following peer-reviewed international journals:

- Environmental Engineering and Management Journal (ISI ranked, TUIASI).
- Sustainable Production and Consumption (ISI ranked, Elsevier, to be confirmed)
- Water (ISI ranked, MDPI, to be confirmed)

Registration Fees:

	Standard Fees (EUR)	Reduced fees for PhD students* (EUR)
Early bird registration (01/05 - 30/ 06/ 2023)	300	150
Regular registration (01/07 – 10/08/2023	375	175
Late registration (after 11/08 – 31/08/2023)	450	225
Accompanying persons fee	150	
Extra fee for additional abstract	85	

Please visit the ICEEM12 website for updated information

www.iceem.tuiasi.ro

Organizing Committee

Dr. Petru Apopei Dr. George Barjoveanu Dr. Adela Buburuzan Dr. Daniela Fighir

Dr. Daniela Gavrilescu

- Dr. Andreea Gherghel Dr. Corina Musteret Dr. Qana Playan
- Dr. Oana Plavan
- Dr. Camelia Smaranda

Important dates Abstract submission de	adline:	
	21/04/2023	
Notification of abstract acceptance:		
	15/04 - 17/05/2023	
Registration start:	01/05/2023	
Registration finish:	31/08/2023	
Conference:	13-16/09/2023	

The ICEEM12 Conference fees include:

- Conference materials (program, book of abstracts),
- Coffee breaks, lunches, cocktail and conference dinner
- Presentation of 2 abstracts / registration
- Reduced fees are available for PhD students, based on application. Visit ICEEM12 website for additional info

Contact

- All information on abstract submission, registration and payments is available on the conference website www.iceem.tuiasi.ro
- Direct any specific questions to the conference organizing committee: iceem@tuiasi.ro