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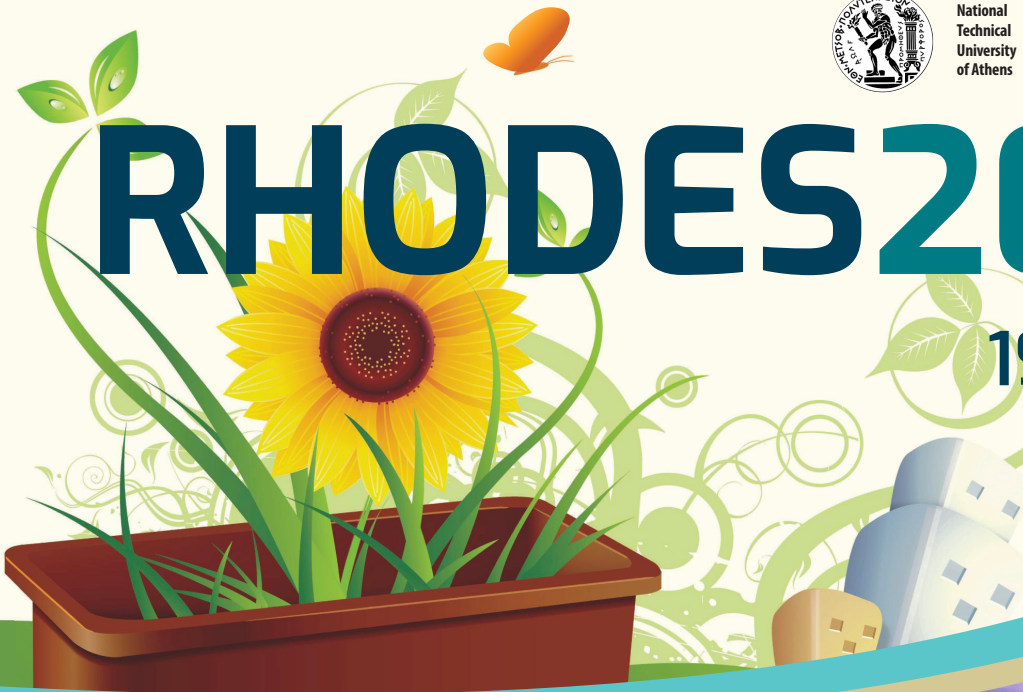


GLOBAL
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COUNCIL

RHODES2024

19-22 JUNE

rhodes2024.uest.gr



11th International Conference on Sustainable Solid Waste Management

rhodes2024.uest.gr | 19-22 June, Rhodes, Greece



OBJECTIVE

The Conference aims to address the significant issue of sustainable solid waste management through the promotion of safe practices & effective technologies. The Conference focuses mainly on modern solid waste technologies. It aims to stimulate the interest of scientists and citizens and inform them about the latest developments in the field of municipal solid waste management. **Separation at source, Biological Treatment, the treatment at central facilities, waste prevention, biowaste utilization, recycling promotion, Waste-to-energy technologies & energy recovery, smart technologies for waste management, sludge management, agricultural and livestock waste, management of specific waste streams** (construction & demolition waste, waste from electrical and electronic equipment, etc.), biotechnology, Best Available techniques, symbiosis networks, energy consumption and saving, carbon footprint and water footprint, zero-waste initiatives, plastics and bioplastics, marine litter constitute main conference subjects. Special attention will be drawn to the valorization prospects & the products from solid waste, such as: biofuels, compost, materials, etc.

It is also our ambition to strengthen the link of the applied research with industry. Hazardous waste & Household hazardous waste also constitute target area of the conference. Emphasis will be placed on **circular economy** in all key action areas (**production, consumption, waste management, secondary raw materials, innovation, investment & monitoring**) and **all priority sectors (food waste, plastics, biomass and bio-based-products, construction & demolition waste, critical raw materials)**, as well as **waste management issues and resource efficiency in islands and generally isolated and remote areas.**

The Conference will provide an opportunity to bring together scientists & professionals from government departments, industries, Municipalities, private institutions, research & education institutions, being a forum for the exchange of the most recent ideas, techniques & experiences in all areas of solid waste management. A special full one-day workshop will also focus on representatives of local authorities and municipalities in order to promote integrated solid waste management schemes.

CONFERENCE TOPICS

Topics of interest include but are not limited to:

- › Networking session for projects dealing with biowaste
- › Networking session for projects dealing with plastics, paper, metals, glass
- › Networking session for projects dealing with water circular economy, wastewater & brine management
- › Circular economy
- › Source separation schemes for solid waste
- › Biological treatment techniques (composting & anaerobic digestion)
- › Waste-to-energy technologies & Energy from Waste (biomass, oil sludge, syngas, etc.)
- › Recycling & Resources Recovery
- › EU policies and strategies for solid waste management
- › Solid waste prevention techniques
- › Household solid waste treatment technologies
- › Socio-economic issues related to solid waste management
- › Household solid waste collection techniques
- › Integrated management in islands & other isolated areas
- › Characterization of waste residues
- › Smart technologies & Decision support tools in the waste management field
- › Symbiosis and Network
- › Waste valorisation
- › Carbon & water footprint
- › Water circular economy
- › Recovery of materials from wastewater & sludge
- › Energy saving
- › Energy Efficiency and Energy Saving Potential in Industry
- › Food Economy, Policy and Culture
- › Environmental assessment and management in the food Industry
- › Environmental footprint analysis in the food sector
- › Energy-land-food-water nexus
- › LCA as a decision support tool in policy making in the food Industry
- › Food waste management and bio-economy
- › Circular economy and resource efficiency in the food industry
- › Business models and investment for tomorrow's food systems
- › Marine Litter
- › Hazardous Waste
- › Biorefineries
- › Biotechnology
- › Management of specific waste streams (construction & demolition waste, WEEE, etc)
- › Sludge management
- › Agricultural and/or livestock waste
- › Flows of multi-sized (macro-, micro- and nano-) plastic waste, including current management strategies
- › Toxicity and eco-toxicity of multi-sized plastic waste particles (especially at long-term / high exposure)
- › Eco-efficient solutions to reduce plastic waste's impacts
- › Plastic waste environmental impacts: assessment and prediction
- › Multi-actors approaches and stakeholders behaviour related to plastic waste such as consumer perception, policy makers awareness, industrial lobbying, legislation and R&D investments etc

SCIENTIFIC COMMITTEE

Maria Loizidou, National Technical University of Athens, Chair

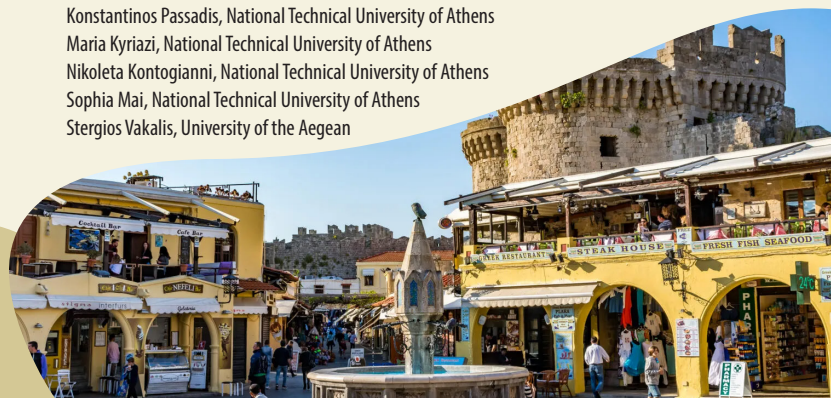
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Adam Smoliński, Central Mining Institute
Adela Galvin, University of Cordoba
Agapios Agapiou, University of Cyprus
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Amane Jada, IS2M-CNRS
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Anastasios Zouboulis, Aristotle University of Thessaloniki
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Antonio Zuurro, ENEA
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Apostolos Vlyssides, Jaypee University of Information Technology
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Celia Dias-Ferreira, Universidade Aberta & CERNAS – Research Center on Natural Resources, Environment and Society
Chew-Tin Lee, University Technology of Malaysia
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Claudio Dilaconi, Consiglio Nazionale delle Ricerche (CNR)
Costas Velis, University of Leeds
Costas Costa, Cyprus University of Technology
Cristobal Noe Aguilar Gonzalez, Universidad Autónoma de Coahuila
Daniel Tsang, The Hong Kong Polytechnic University
David Bolzonella, University of Verona
David Newman, World Biogas Association
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Dimitrios Komilis, Democritus University of Thrace
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Gerasimos Lyberatos, National Technical University of Athens
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Heribert Insam, University of Innsbruck
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Ioannis Anastopoulos, University of Ioannina
Ioannis Skiadas, Technical University of Denmark
Irina Angelidaki, Technical University of Denmark
Isam Janajreh, Masdar Institute
Jale Yanik, Ege University
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Joan Dosta, University of Barcelona
Joseph Patrick Hettiaratchi, University of Calgary
Juan Antonio Baeza Labat, Universitat Autònoma de Barcelona
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Katia Lasaridi, Harokopio University

Konstantinos Aravosis, National Technical University of Athens
Konstantinos Moustakas, National Technical University of Athens
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Stergios Vakalis, University of the Aegean
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Su Shiung Lam, Universiti Malaysia Terengganu
Sunil Kumar, CSIR-NEERI
Sunita Varjani, City University of Hong Kong
Ta Yeong Wu, Monash University
Thrassyvoulos Manios, Hellenic Mediterranean University
Ulku Yetis, Middle East Technical University
Vassilis Inglezakis, University of Strathclyde

ORGANIZING COMMITTEE

Konstantinos Moustakas, National Technical University of Athens, Head

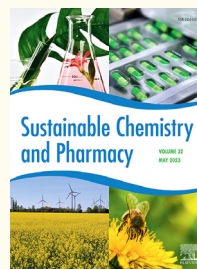
A.C. (Thanos) Bourtsalas, Columbia University
Dimitrios Malamis, National Technical University of Athens
Elli-Maria Barampouti, National Technical University of Athens
Konstantinos Passadis, National Technical University of Athens
Maria Kyriazi, National Technical University of Athens
Nikoleta Kontogianni, National Technical University of Athens
Sophia Mai, National Technical University of Athens
Stergios Vakalis, University of the Aegean



Publications

High quality **RHODES 2024** papers will be published after evaluation in:

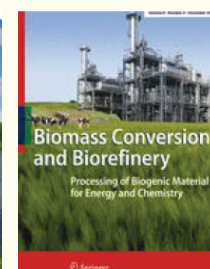
- a Special Issue of **SUSTAINABLE CHEMISTRY & PHARMACY** (Elsevier, Impact Factor: 6.0) with title: Advances in waste management in the era of circular economy
- a Special Issue of **ENVIRONMENTAL SCIENCE & POLLUTION RESEARCH** (Springer, Impact Factor: 5.8) with title: Effective waste management towards promoting circular economy
- a Special Issue of **BIOMASS CONVERSION AND BIOREFINERY** (Springer, Impact Factor: 4.0) with title: Treatment of food and other biodegradable waste streams
- a Special Issue of **WASTE AND BIOMASS VALORIZATION** (SPRINGER, Impact Factor: 3.2) in collaboration with Prof. Ange Nzihou, Editor-in-Chief of the Journal
- a Special Issue of **SUSTAINABLE CHEMISTRY FOR THE ENVIRONMENT** (ELSEVIER, gold open access – full fee waive upon invitation) in collaboration with Prof. Konstantinos Triantafyllidis, Editor-in-Chief of the Journal



SUSTAINABLE CHEMISTRY & PHARMACY



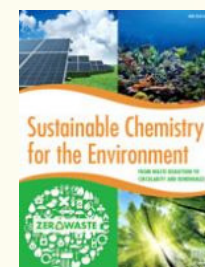
ENVIRONMENTAL SCIENCE & POLLUTION RESEARCH



BIOMASS CONVERSION AND BIOREFINERY



WASTE AND BIOMASS VALORIZATION



SUSTAINABLE CHEMISTRY FOR THE ENVIRONMENT

Call for Papers

Authors are invited to submit an extended abstract of maximum 2 pages in English, including figures and tables (as MS Word file). The abstracts can be submitted electronically via the specific form no later than **31st December 2023**.

Abstracts will be accepted based on quality, originality and relevance to the conference themes. All accepted papers will be published as the conference proceedings (in electronic form), while the high quality papers after evaluation will be published in collaborating scientific journals. We look forward to receiving your paper and we hope to see you actively taking part in the **RHODES 2024 Conference**.

Paper Submissions

After the end of the review process of the abstracts, the authors of the papers accepted for oral and poster presentation are asked to submit a full paper with maximum length of 12 pages. Please send the full paper by email to **konmoust@central.ntua.gr** until 30th April 2024 at the latest.

Important Deadlines

15 October 2023	First call for papers
30 November 2023	Second call for papers
31 December 2023	Deadline for abstract submission
15 March 2024	Notification of abstract acceptance
31 March 2024	Deadline for Early bird registration
30 April 2024	Deadline for registration of authors
30 April 2024	Deadline for submission of full papers
06 May 2024	Deadline for submission of posters with 3-min presentation

Keynote Speakers



Klaus Kümmerer



Ange Nzihou



Irini Angelidaki



David Bolzonella



Nicolas Abatzoglou

GET IN TOUCH

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