



National
Technical
University
of Athens



ΠΕΡΙΦΕΡΕΙΑ ΚΡΗΤΗΣ
REGION OF CRETE



HERAKLION2019

www.heraklion2019.uest.gr

7th International Conference on Sustainable Solid Waste Management



26-29 June 2019



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.

Site visits and tours will also take place on Saturday 29th June 2019.

CONFERENCE TOPICS

Topics of interest include but are not limited to:

- 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

- 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
- Review papers on biotechnology
- Management of specific waste streams (construction & demolition waste, WEEE, etc)
- Sludge management
- Agricultural and/or livestock waste

SCIENTIFIC COMMITTEE

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ORGANIZING COMMITTEE

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- Eleni Kargaki, Region of Crete
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- Maria Kasidoni, National Technical University of Athens
- Stergios Vakalis, Free University of Bolzano
- Vasiliki Panaretou, National Technical University of Athens

Publications

The best HERAKLIONS 2019 papers on circular economy will be published after evaluation in a Special Issue of **SCIENCE OF THE TOTAL ENVIRONMENT** (ELSEVIER, Impact Factor: 4.610) with title "Circular economy and environment with emphasis on waste management & resource valorization". The best HERAKLION 2019 papers will be published after evaluation in a Special Issue of **WASTE AND BIOMASS VALORIZATION** (SPRINGER, Impact Factor: 1.874) in collaboration with Prof. Ange Nzihou, Editor-in-Chief of the Journal & Prof. Maria Loizidou, Chair of the HERAKLION 2019 Scientific Committee & Guest Editor, in a Special Issue of **ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH** (Springer, Impact Factor: 2.800) (Guest Editors: K. Moustakas, M. Loizidou). & in a Special Issue of **BIOMASS CONVERSION AND BIOREFINERY** (Springer, Impact Factor: 1.310) (Guest Editors: K. Moustakas, M. Loizidou).

The best energy papers of the HERAKLION 2019 Conference will be published after evaluation in a Special Issue of **ENERGY & ENVIRONMENT** (<http://journals.sagepub.com/home/ee>) (SAGE, Impact Factor: 0.568) (Guest Editors: Konstantinos Moustakas, Maria Loizidou, Abdul-Sattar Nizami & Jingsan Xu)

The best water related papers will be published in a Special Issue of **DESALINATION & WATER TREATMENT** (Impact Factor: 1.631).

More collaborating journals will be announced in the next weeks.



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 15th February 2019.

Abstracts will be accepted based on quality, originality and relevance to the conference themes. All accepted papers will be published as the conference proceedings (CD ROM format), while the best papers after evaluation will be published in scientific journals. We look forward to receiving your paper and we hope to see you actively taking part in the HERAKLION 2019 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 2019 at the latest.

Important Deadlines

15 October 2018	First call for papers
30 November 2018	Second call for papers
15 February 2019	Extended Deadline for abstract submission
28 February 2019	Notification of abstract acceptance
20 March 2019	Deadline for Early bird registration
20 April 2019	Deadline for authors to register
30 April 2019	Deadline for submission of full papers

CONTACT DETAILS

Heraklion
Crete Island, Greece

Scientific Secretariat
Dr. Konstantinos Moustakas
Unit of Environmental Science & Technology
School of Chemical Engineering
National Technical University of Athens

9, Heroon Polytechniou Street, 15773,
Zographou Campus, Athens, Greece
Website: <http://www.heraklion2019.uest.gr>
Email: konmoust@central.ntua.gr
Tel.: +30 210 7723108/2334

