10th International Conference on Sustainable Solid Waste Management
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
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Publications

High quality CHANIA 2023 papers will be published after evaluation in:

- a Special Issue of SUSTAINABLE CHEMISTRY & PHARMACY (Elsevier, Impact Factor: 5.464) with title: Waste management and resource efficiency in the era of circular economy,
- a Special Issue of ENVIRONMENTAL SCIENCE & POLLUTION RESEARCH (Springer, Impact Factor: 5.190) with title: SUSTAINABLE WASTE MANAGEMENT & VALORISATION WITHIN THE CIRCULAR ECONOMY ERA,
- a Special Issue of BIOMASS CONVERSION AND BIOREFINERY (Springer, Impact Factor: 4.050) with title: Treatment of food and other biodegradable waste streams,
- a Special Issue of WASTE AND BIOMASS VALORIZATION (SPRINGER, Impact Factor: 3.449) in collaboration with Prof. Ange Nzihou, Editor-in-Chief of the Journal

More 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 31st December 2022.

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 CHANIA 2023 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 2023 at the latest.

Important Deadlines

- 15 October 2022: First call for papers
- 30 November 2022: Second call for papers
- 31 December 2022: Deadline for abstract submission
- 15 February 2023: Notification of abstract acceptance
- 15 March 2023: Deadline for Early bird registration
- 15 April 2023: Deadline for authors to register
- 30 April 2023: Deadline for submission of full papers
- 06 May 2023: Deadline for submission of posters with 3-min presentation

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