

4th International Conference on Sustainable Chemical & Environmental Engineering



SUST
ENG
2025

1 - 4 September 2025

Thessaloniki, Greece

hybrid event

www.susteng.tuc.gr

secretariat.susteng@tuc.gr

+30 2821006208

organizers



Design of
Environmental
Processes Lab



Technical University of Crete
School of Chemical and
Environmental Engineering



Cyprus
University of
Technology

Dear friends and colleagues,

I am pleased to invite you to the **4th International Conference on Sustainable Chemical and Environmental Engineering (SUSTENG 2025)**, between **1st to 4th September 2025**.

The conference is organized by the "Design of Environmental Processes Laboratory", of the School of Chemical and Environmental Engineering, Technical University of Crete and the Cyprus University of Technology.

The **SUSTENG 2025** Conference will take place both with physical and virtual presence.

The conference aims to encourage the exchange of knowledge between academicians, scientists and engineers on hot issues and current developments in chemical and environmental engineering through sustainable perspective. The participants will have the opportunity to present their recent research findings on an extended spectrum of conference topics and be informed about new challenges, future trends, and technological innovations on sustainable processes following the principles of circular economy.

After the completion of the conference, all abstracts/full papers will be published in the **SUSTENG 2025** Conference Proceedings with ISBN number, while selected manuscripts will be published to at least one Special Issues at high IF scientific journals.

The conference Chair

Petros Gikas

Professor

Head of the "Design of Environmental Processes Lab"

School of Chemical and Environmental Engineering

Technical University of Crete, Greece



Session 1: Biotechnology and biochemical Engineering

Session 2: Valorization of food waste

Session 3: Wastewater management

Session 4: Solid waste management and greenhouse gas monitoring

Session 5: Modeling and optimization in energy and environment

Session 6: Life cycle assessment

Session 7: Circular economy in waste management

Season 8: Sustainable agriculture and waste management

Session 9: Sustainable water management and reuse

Season 10: Biosolids management and valorization

Scientific committee:

Achille Ephrem Assogbadjo, University of Abomey-Calavi, Benin **Isam Janajreh**, Khalifa University, UAE

Alexandros Katsaounis, University of Patras, Greece

Jacek Dach, Poznan University of Life Sciences, Poland

Alexandros Stefanakis, Technical University of Crete, Greece

Justin Chun-Te Lin, Feng Chia University, Taiwan

Anastasios Zouboulis, Aristotle University of Thessaloniki, Greece

Keisuke Kuroda, Toyama Prefectural University Japan

Andreas Andreopoulos, National Technical University of Athens, Greece

Konstaninos Moustakas, National Technical University of Athens, Greece

Andrew Livingstone, Queens Mary University, UK

Konstantinos Komnitsas, Technical University of Crete, Greece

Anestis Vlysidis, National Technical University of Athens, Greece

Komi Agboka, University of Lome, Togo

Angela Gorgoglione, Universidad de la República, Uruguay

Lazaros Papageorgiou, University College, UK

Antonios Kokosis, National Technical University of Athens, Greece

Lesly Tejada, University of Cartagena, Colombia

Antonios Papadakis, Region of Crete, Greece

Manish Kumar, University of Petroleum and Energy Studies, India

Apostolos Giannis, Technical University of Crete, Greece

Maria Christina Fragkou, University of Chile, Chile

Apostolos Voulgarakis, Technical University of Crete, Greece

Maria Loizidou, National Technical University of Athens, Greece

Aristeidis Koutroulis, Technical University of Crete, Greece

Michael Fountoulakis, University of the Aegean, Greece

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Athanasia Tekerlekopoulou, University of Patras, Greece

Michael Kornaros, University of Patras, Greece

Athanasios Kungolos, Aristotle University of Thessaloniki, Greece

Michalis Koutinas, Cyprus Univeristy of Technology

Athanasios Stasinakis, University of the Aegean, Greece

Mohamed El Shaer, Zagazig University, Egypt

Baoning Zhu, Beijing University of Chemical Technology, China

Mohamed Elhag, King Abdulaziz University, Saudi Arabia

Christos Akratos, Democritus University of Trace, Greece

Muhammad Arslan Ashraf, Government College University Faisalabad, Pakistan

Constantinos Chrysikopoulos, Technical University of Crete, Greece

Nicolas Kalogerakis, Technical University of Crete, Greece

Cristina Trois, University of Kwa Zulu –Natal, South Africa

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Dagmar Juchelkova, Technical University of Ostrava, Czech Republic

Nikolaos Kiratzis, University of Western Macedonia, Greece

Danae Venieri, Technical University of Crete, Greece

Nikolaos Nikolaidis, Technical University of Crete, Greece

Daniel Mamais, National Technical University of Athens, Greece

Nikolaos Paranychanakis, Technical University of Crete, Greece

Despoina Vamvouka, Technical University of Crete, Greece

Noredine Loeid Mahdjoub, University of Kwa Zulu-Natal, South Africa

Dimitrios Dermantas, National Technical University of Athens, Greece

Okan Tarık Komesli, Atatürk University, Turkey

Dimitris Vayenas, University of Patras, Greece

Panagiota Angeli, University College, UK

Dinis Juizo, University of Eduardo Mondlane, Mozambique

Partycja Pochwatka, University of Life Sciences in Lublin, Poland

Dionissios Mantzavinos, University of Patras, Greece

Paraschos Melidis, Democritus University of Trace, Greece

Paraskevi Panagiotopoulou, Technical University of Crete, Greece

Petros Gikas, Technical University of Crete, Greece

Phillimon Odirile, University of Botswana, Botswana

Ruihong Zhang, University of California Davis, USA

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Dorothea Kasiteropoulou , University of Thessaly, Greece	Sema Sevinc Sengor , Middle East University, Turkey
Evan Diamantopoulos , Technical University of Crete, Greece	Shan Yi , University of Auckland, New Zealand
Ezio Ranieri , University of Bari, Italy	Simona Di Gregorio , University of Pisa, Italy
Elvis Tiburue , University of Ghana	Simos Malamis , National Technical University of Athens, Greece
Gagik Torosyan , State Engineering University of Armenia, Armenia	Spyridon Ntougias , Democritus University of Trace, Greece
George Karatzas , Technical University of Crete, Greece	Stergios Vakalis , University of the Aegean, Greece
George Kyzas , International Hellenic University, Greece	Stratos Pistikopoulos , Texas A&M University, USA
George Papapolymerou , University of Thessaly, Greece	Stylianios Rozakis , Technical University of Crete, Greece
George Tchobanoglous , University of California Davis, USA	Theocharis Tsoutsos , Technical University of Crete, Greece
Georgios Arampatzis , Technical University of Crete, Greece	Therese Lee Chan , The University of the West Indies, Trinidad and Tobago
Georgios Papadakis , Agricultural University of Athens, Greece	Timothy Ginn , Washington State University, USA
Gerasimos Lyberatos , National Technical University of Athens, Greece	Tonni Agustiono Kurniawan , Xiamen University, China
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Herve Boileau , University of Savoie Mont-Blanc, France	Vassilios Tsihrintzis , National Technical University of Athens, Greece
Hery Tiana Rakotondramiarana , University of Antananarivo, Madagascar	Wei-Qin Zhuang , University of Auckland, New Zealand
Ioannis Kalavrouziotis , Hellenic Open University, Greece	Yaoyu Zhou , Hunan Agricultural University, China
Ioannis Manariotis , University of Patras, Greece	
Ioannis Tsanis , Technical University of Crete, Greece	
Ioannis Vyrides , Cyprus University of Technology	
Ioannis Yentekakis , Technical University of Crete, Greece	

SUSTENG 2025- PROGRAMME AT A GLANCE

DAY 1 – Monday 1 September Susteng 2025	
Aristotle University Research Dissemination Center (KEDEA)	
Registration	14:00 - 16:00
Session 1: Biotechnology and biochemical Engineering	16:00 - 17:45
Welcome Speeches	18:00 - 18:30
PLENARY LECTURE: Professor Petros Gikas	18:30 - 19:15
Welcome reception	19:30 - 22:00
DAY 2 – Tuesday 2 September Susteng 2025	
Aristotle University Research Dissemination Center (KEDEA)	
Session 2: Valorization of food waste	09:30 - 10:45
Coffee break - Posters viewing	10:45 - 11:00
Session 3: Wastewater management	11:00 - 12:30
PLENARY LECTURE: Professor Insel Güçlü	12:30 - 13:15
Lunch break	13:15 - 14:45
Session 4: Solid waste management and greenhouse gas monitoring	14:45 - 16:30
PLENARY LECTURE: Professor Paraschos Melidis	16:30 - 17:15
Session 5: Modeling and optimization in energy and environment	17:15 - 18:15
Session 6: Life cycle assessment	18:15 - 19:00
Gala dinner	20:30 - 23:00
DAY 3 – Wednesday 3 September Susteng 2025	
Aristotle University Research Dissemination Center (KEDEA)	
Session 7: Circular economy in waste management	09:30 - 10:45
Coffee break - Posters viewing	10:45 - 11:00
PLENARY LECTURE: Professor Jacek Dach	11:00 - 11:45
Session 8: Sustainable agriculture and waste management	11:45 - 13:15
Lunch break	13:15 - 14:45
PLENARY LECTURE: Professor Konstantinos Kakosimos	14:45 - 15:30
Session 9: Sustainable water management and reuse	15:30 - 16:15
Session 10: Biosolids management and valorization	16:15 - 18:00
Closing ceremony	18:00 - 18:30
DAY 4 - Thursday 4 September Susteng 2025	
Conference excursion at the capital of ancient Macedonia Aegae, in Vergina, and the grave of Philip II, father of Alexander the Great, and the Byzantine town of Veria	09:00 - 17:00



SUSTENG 2025 PROGRAMME

DAY 1 – Monday 1 September Susteng 2025	
Aristotle University Research Dissemination Center (KEDEA)	
Registration	14:00 - 16:00
Session 1: Biotechnology and biochemical Engineering Chair: Emine Çokgör, Manal Haj Zaroubi	16:00 - 17:45
Anaerobic production of biosurfactants from contaminated soils: a waste valorization approach to soil remediation M. Puddu, G. Beretta, S. Saponaro and E. Sezenna	16:00 - 16:15
Carbon dioxide capture from actual industrial flue gas using microalgae G. Makaroglou, P. Gikas	16:15 - 16:30
From lab to pilot scale microalgae-based photobioreactors: statistical optimization of 3rd generation biofuel production A. Pavlou, G. Penloglou and C. Kiparissides	16:30 - 16:45
Willow (<i>salix acmophylla boiss.</i>) leaf and branch extracts inhibit in vitro sporulation of <i>Coccidia</i> (<i>Eimeria</i> spp.) from goats M. Haj-Zaroubi, N. Mattar, S. Awabdeh, R. Sweidan, A. Markovics, J. D. Klein and H. Azaizeh	16:45 - 17:00
Optimization of high-added value terpenes recovery from genetically engineered <i>Saccharomyces cerevisiae</i> and <i>Yarrowia lipolytica</i> strains A. Moschona, C. Gerasi, M. Moumin, F. Tsakiroglou, A. Assimopoulou and S.I. Patsios	17:00 - 17:15
Valorization of Invasive Macroalgae (<i>Asparagopsis armata</i> and <i>Sargassum</i> spp.) as Sources of Immune-Enhancing Aquafeed Ingredients: Recovery and In-Vitro Fish Digestibility Assessment S. Papadaki, C. Stergiopoulos, , N. Tricha and M. Krokida	17:15 - 17:30
Life cycle assessment of systems exploiting microalgae for the wastewater treatment G. Dolci, M.J.F.A. Nichilo, M. Grosso, and L. Rigamonti	17:30 - 17:45
Welcome Speeches	18:00 - 18:30
PLENARY LECTURE: Professor Petros Gikas Energy Self-Sustainable Wastewater Treatment Plants Chair: Insel Güçlü, Jacek Dach	18:30 - 19:15
Welcome reception Aristotle University Research Dissemination Center (KEDEA)	19:30 - 22:00

DAY 2 – Tuesday 2 September Susteng 2025	
Aristotle University Research Dissemination Center (KEDEA)	
Session 2: Valorization of food waste Chair: Caro Dario, Emine Çokgör	09:30 - 10:45
Comparing the carbon footprint of traditional beef burger with burgers fortified with by-products D. Caro	09:30 - 09:45
Sustainable valorization of seafood waste: enzyme-based chitin extraction as an alternative to chemical processes I. Kan, A. Morales, L. Sillero and X. Erdocia	09:45 - 10:00
Pomegranate Peel Bioplastic: Transforming Food Waste into Eco-Friendly Materials for Product Design L. Mailat, Delia A. Prisecaru	10:00 - 10:15
Valorisation of watermelon peel into an adsorbent for removal of hexavalent chromium Mangwandi Chirangano, GartlanCiaran, Khong Justin	10:15 - 10:30
Nutritional transformation in black soldier fly larvae: effects of diet on protein and fat content A.Albalawneh, S. F. Alarsan, H. Hasan, M. Diab, S. A. Znaimah, A. M. Alalwan, Y. AlBalawnah, E. Alnaimat, B.I Sharman, and M. A. Dayyeh	10:30 - 10:45
Coffee break - Posters viewing	10:45 - 11:00
Session 3: Wastewater management Chair: Paraschos Melidis, Güven Didem	11:00 - 12:30
Microalgal treatment of AnMBR Effluent: a low-energy approach to nutrient reduction E. Politou, A. Makri, D. Matziri, N. Remmas, S. Ntougias and P. Melidis	11:00 - 11:15
Circular economy strategy in wastewater treatment: the example of Limassol district local government organisation sewage treatment plant in Moni, Cyprus Y. Tsouloftas, S. Metaxas, M. Vrionides, P. Marti, V. Konstantinides and G. Panayiotou	11:15 - 11:30
Integrating greywater treatment and green façade creation using vertical flow constructed wetlands E. Stefanatou and M.S. Fountoulakis	11:30 - 11:45
An Appraisal for a Sustainable Process Design and Operation for Leachate Treatment D. Guven, E. Çokgör, G.E. Zengin Balci, B. Kaya, G. Ozyildiz, D. Soylu, I. Takacs, G. Insel, S. Sözen, and D. Orhon	11:45 - 12:00

Removal of non-steroidal anti-inflammatory micropollutants and nitrification in hybrid systems operating at low sludge age D. Soylu, B. Ciftcioglu Gozuacik, Ş. Yilmaz, G.E.Zengin, İ. Pala-Ozkok, E. Topuz, G. Ozyildiz, D. Guven, G. Insel and E. Cokgor	12:00 - 12:15
Innovative wastewater technologies for the upgrade of overloaded activated sludge plants K. Tsamoutsoglou, P. Gikas	12:15 - 12:30
PLENARY LECTURE: Professor Insel Güçlü Novel hybrid nutrient removal process for advanced nutrient removal: experimental based process development Chair: Paraschos Melidis, Petros Gikas	12:30 - 13:15
<i>Lunch break</i>	<i>13:15 - 14:45</i>
Session 4: Solid waste management and greenhouse gas monitoring Chair: Villa Francesca, Insel Güçlü	14:45 - 16:30
Dewatering of landfill leachate by combined flocculation with geotextile filtration B. Kaya, S. Dogruel, V. Oztug and E. Cokgor	14:45 - 15:00
Evaluation of decentralized composting systems for household wet waste and impact on greenhouse gas emissions from waste management by its partial adoption M. S. Ghadage, and A. Garg	15:00 - 15:15
The Problem Tree: a strategic tool for priorities' identification, applied to the assessment of operational and design issues of a solid waste treatment facility in Lebanon F. Villa, A. De Robertis and M. Grosso	15:15 - 15:30
Management of household hazardous waste: survey and comparative analysis M. Markantoni, T. Daras and A. Giannis	15:30 - 15:45
Ternary Deep Eutectic Solvent-Mediated Leaching of Valuable Metals from Waste Printed Circuit Boards A. Alaydaroos, N. Chola, S. Stephen, G.E. Luckachan, G. Xavier, M. Elkadi, E. AlNashef, M. Abi Jaoude	15:45 - 16:00
Comparison of source and site level methane emissions measurements at gas installations N. Tsochatzidis	16:00 - 16:15
Preliminary investigation of removal of pharmaceuticals from aqueous solutions by potato peel based biochars produced from hydrothermal conversion and pyrolysis: a comparative study J.Khong, and C. Mangwandi	16:15 - 16:30
PLENARY LECTURE: Professor Paraschos Melidis Anaerobic Membrane Bioreactors for Sustainable Municipal Wastewater Treatment Chair: Petros Gikas, Jacek Dach	16:30 – 17:15

Session 5: Modeling and optimization in energy and environment Chair: Thomas Thomaidis, Vassilis Charitopoulos	17:15 - 18:15
An optimisation approach towards the integration of hydrogen in heat and power decarbonization M.E. Efthymiadou, V.M. Charitopoulos and L.G. Papageorgiou	17:15 - 17:30
Deciphering the impact of AI's energy demand on Europe's Green Deal M. Hemmati, V. M Charitopoulos	17:30 - 17:45
Assessment of water-energy-food-ecosystem nexus of sakarya river basin S. Yaykiran and A. Ekdal	17:45 - 18:00
Integrating sustainability into decision support for the transition to resilient business models I. Mavrogiannis	18:00 - 18:15
Session 6: Life cycle assessment Chair: Gregoris Panayiotou, Konstantinos Tsamoutsoglou	18:15 - 19:00
Is Life Cycle Assessment essential for sustainability in heritage? T. Tsoutsos, C. Nikoloudakis	18:15 - 18:30
Advanced Thermolysis of Waste Plastics into Sustainable Aviation Fuel Feedstocks and A Mass-Balance Certified Approach for Waste to Energy Solutions Aris Gorogias	18:30 - 18:45
Sustainable extraction of V and Ti from low-grade V-bearing titanomagnetite deposits G. Bartzas, D. Vathi, K. Komnitsas	18:45 - 19:00
Gala dinner	20:30 - 23:00

DAY 3 – Wednesday 3 September Susteng 2025	
Aristotle University Research Dissemination Center (KEDEA)	
Session 7: Circular economy in waste management Chair: Fabio Hernández-Ramos, Abeer Albalawneh	09:30 - 10:45
Deep eutectic solvents and microwave heating for efficient oligosaccharide recovery from apple tree pruning waste L. Sillero, J. Labidi and A. Morales	09:30 - 09:45
From Waste to Value: Pilot-Scale EV Battery Recycling in Armenia H. Akarmazyan, G. Vardanyan, V. Marukhyan, A. Tadevosyan	09:45 - 10:00
Metal leaching from e-waste using phosphonium-based hydrophobic deep eutectic solvent N. M. Chola, S. Stephen, G. E. Luckachan, G. Xavier, M. Elkadi, I. Alnashef, M. Abi Jaoude	10:00 - 10:15
Optimizing drying kinetics and calorific value assessment of wastewater sludge for enhanced waste-to-energy gasification L. Tshenyego	10:15 - 10:30

From urban pruning to sustainable films: unlocking the value of tree residues F. Hernández-Ramos, A. Morales, P. de Hoyos-Martínez, J. Pérez-Arce, X. Erdocia, L. Sillero	10:30 - 10:45
<i>Coffee break - Posters viewing</i>	<i>10:45 - 11:00</i>
PLENARY LECTURE: Professor Jacek Dach Biogas and biomethane as a key element of the circular economy and carbon footprint reduction in the products Chair: Konstantinos Kakosimos, Petros Gikas	11:00 - 11:45
Season 8: Sustainable agriculture and waste management Chair: Patrycja Pochwatka, Konstantinos Tsamoutsoglou	11:45 - 13:15
Traditional and Indigenous Knowledge and Conservation Practices of Forest Food Species in Guinean Forests of West Africa (GFWA) Biodiversity Hotspot A. E. Assogbadjo, G. Avakoudjo	11:45 - 12:00
Optimization of microwave assisted delignification of apple tree pruning using deep eutectic solvents A. Morales, X. Erdocia, J. Labidi, L. Sillero	12:00 - 12:15
Application of remote sensing technologies for sustainable forest fire monitoring and management A. Dudnyk, O. Opryshko, K. Witaszek	12:15 - 12:30
Scalable deployment of IoT systems for sustainable precision olive farming in Laconia, greece G. Panagopoulou, I. Moutsinas, T. Theodosiadis	12:30 - 12:45
BSF larvae: a sustainable complementary solution for broiler carcass management A. Jonas-Levi, I. Opatovsky, A. Hurvitz, A. Salomon, R. Gutman, R. Sivan	12:45 - 13:00
Microplastics an emerging environmental pollutant in agriculture: interaction between microplastics and soil humic substances on an agricultural crop M. Dimitropoulou, A. Ioannidi, I. Zafeiropoulos, K. Bourikas, M. Papadaki, E. Giannakopoulos	13:00 - 13:15
<i>Lunch break</i>	<i>13:15 - 14:45</i>
PLENARY LECTURE: Professor Konstantinos Kakosimos From bench to module scale hydrogen production via artificial and natural light water splitting Chair: Petros Gikas, Paraschos Melidis	14:45 - 15:30
Session 9: Sustainable water management and reuse Chair: Kupryaniuk Karol, Jakub Kostecki	15:30 - 16:15
Beyond Negative Environmental Results: The Critical Role of Risk Assessment in Legionella Control A. Papadakis, R. Andreas, P. Manetakakis, N. Gikas, E. Koufakis, K. Tsamoutsoglou, P. Gikas	15:30 - 15:45

Modification of membranes by using the layer by layer technology for the removal of Cr(VI) anions from groundwaters N. Malouchi	15:45 - 16:00
Development of a decision support system for shallow lakes under the impact of eutrophication and climate change and its application to a hypertrophic lake A. Ekdal, M. Gurel, C. Gurevin and A. Erturk	16:00 - 16:15
Sensors selection for real-time recovery of textile dyeing wastewater R. Partal, S. Murat Hocaoglu, M. Kitis, E. Ozturk, E. Simsek Yesil	16:15 - 16:30
Season 10: Biosolids management and valorization Chair: Patrycja Pochwatka, Jacek Dach	16:15 - 18:00
Conversion of sewage sludge to lipids for biofuels Jonas-Levi, Y. Gerchman, H. Azaizeh	16:30 - 16:45
Quantifying european biomass flows and certifying residual biomass valorization: a case from the region of central Macedonia, Greece A. Karanasiou, S. Skoutida, M. Batsioulas, G. Banias, S. Patsios	16:45 - 17:00
The role of demand-driven biogas plants in Europe's energy transition: potential for energy system stability and integration with other RES A. Łukomska, J. Dach	17:00 - 17:15
The role of animal biomass in the biogas sector in Poland: current status and potential P. Pochwatka, A. Kowalczyk-Juśko, A. Mazur, W. Czekala, J. Dach	17:15 - 17:30
Influence of the type of straw on the intensity of sewage sludge composting W. Bojarski, W. Czekala, M. Nowak, P. Sołowiej, K. Kupryaniuk, J. Dach	17:30 - 17:45
Spray mode and precursor molarity as key parameters in solution spray pyrolysis of oxygen electrodes for low temperature reversible solid oxide cells (socs) A. Kotsiolis, E. Roditis, C. Ziazias, N. Nikiforidis, A. Krestou, N. Kiratzis	17:45 - 18:00
Closing ceremony	18:00 – 18:30

DAY 4 - Thursday 4 September Susteng 2025	
Conference excursion at the capital of ancient Macedonia Aegae, in Vergina, and the grave of Philip II, father of Alexander the Great, and the Byzantine town of Veria	09:00 - 17:00

Bioremediation of secondary cheese whey effluent by *Pseudomonas* sp. pHDV1

E. Pappa, A. Lyratzakis, N.C. Stratigakis, G. Tsiotis

Hydrogen-Rich Gas Production From The Steam Gasification Of Olive By-Products With Minimum Carbon Dioxide Emissions

D. Vamvuka, S. Karvounis, K. Kyriakidis, I. Papakyriakopoulos and A. Strataki

Optimal wind power investments and bidding strategies in electricity market considering green certificates trading

M. Kanta, C. Dimitriadis, M. Georgiadis

Copper recovery from printed circuit boards: Alkaline glycine leaching system

J. Matado, L.H. Gomes and S.C. Pinho

Influence of operating parameters on lead hydrometallurgical leaching of lead-acid batteries with NaCl

L. H. Gomes, A. Lourenço, S. C. Pinho, M. J. J. de S. Ponte, H. de A. Ponte, H. de Santana

Adsorption of Reactive Red 120 dye by oxidized biochar from palm tree fibers

P. Haskis, F. Krommida, M. Vlastou, I. Varampoutis, D. Kyvrikoseos, D. A. Giannakoudakis, I. Ioannidis, I. Pashalidis, P. Mpeza and I. Anastopoulos

Valorization of industrial waste into silica based adsorbents for water OPPs removal

G. Silva, O. Freitas, V. Fernandes, F. Gomes

Assessment of marine fuels stability: a storage perspective

I. Kosma, L. Chysikou, S. Bezergianni

Immerse virtual training on critical raw materials: preparing responsible professionals for a sustainable future

E. Machairas, E. Varouchakis, B. Lottermoser, S. Hajinia Leilabadi

Policy pathways for marine litter prevention and control: insights from the SeaClear2.0 Project

L. Orthodoxou Demetra, I. Loizidou Xenia

Analysis of Phospholipid Fatty Acids (PLFAs) as a soil bioindicator: the effect of vineyard abiotic stress on the soil microfauna as a case study

E. Ieronymaki, M. Drosos, I. Zafeiropoulos, M. Papadaki, E. Giannakopoulos

The use of coffee grounds as fuel

P. Sołowiej, W. Bojarski, J. Dach, A. Kowalczyk-Juśko

Agricultural biogas as a sustainable energy source for non-agricultural regions: the case of Lubuskie Province, Poland

J. Kostecki, S. Myszograj, E. Płuciennik Koropczuk

BSF larvae: a sustainable complementary solution for broiler carcass management

A. Jonas-Levi

Methane emission during degradation of microplastics in the aquatic environment

P. Koszelnik, M. Kida

Bridging the gap between academic water quality modeling and decision-making: towards usable and trustworthy

A. Gorgoglione, P. Gikas

Utilization of agricultural by-products and waste biomass for energy purposes

K. Witaszek, W. Czekąła, A. Dudnyk, K. Kupryaniuk, J. Dach

The influence of substrate extrusion process on the energy and economic efficiency of biogas plant exploitation

K. Kupryaniuk, K. Witaszek, D. Janczak, W. Czekąła, J. Dach

Biogas yield – theory and practical experience

A. Kowalczyk-Juśko, M. Byra, P. Pochwatka, A. Mazur, W. Czekąła, J. Dach

On the way to circular economy: Valorization of Brewery Waste for added-value bioproducts from Black Soldier Fly Larvae

J. Reséndiz Luna, V. Caltzontzin Rabell, C. Gutiérrez Antonio, B. Sofia, E. Ieronymaki, E. Giannakopoulos, V. Bekiari, P. Souliou, G. Serifi, S. Argyroudis, I. Zafeiropoulos, G. Karavidas, M. Papadaki

DRAFT

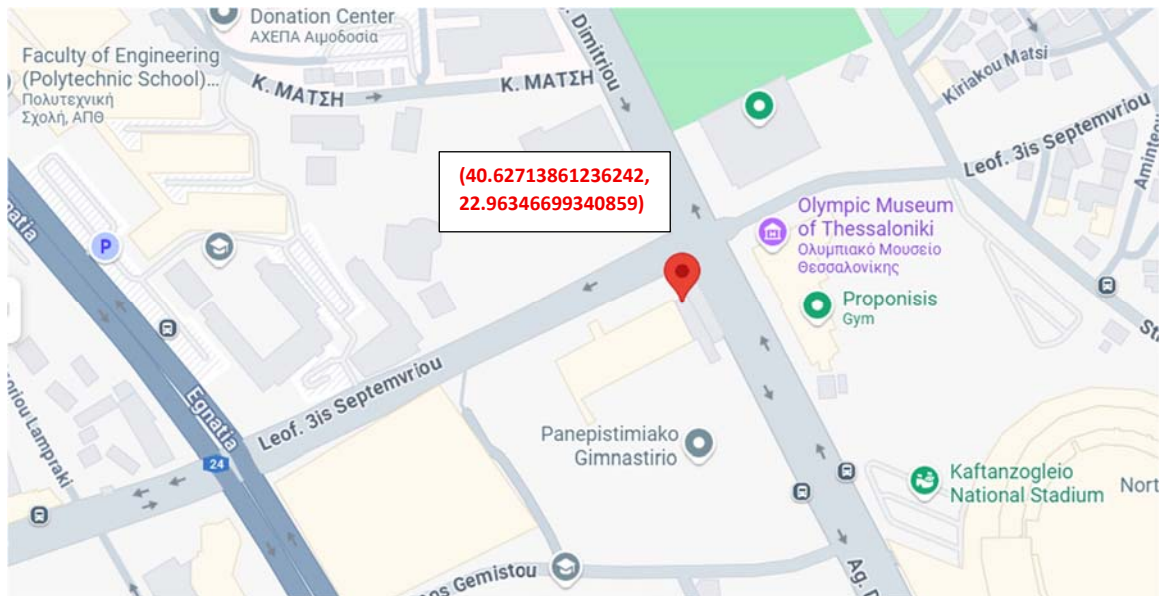
Venue

Aristotle University Research Dissemination Center (KEDEA)

Address: 3rd September Str. - University Campus Thessaloniki 546 36

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You can also visit the official website of KEDEA: kedeia.rc.auth.gr



Contact

Professor Petros Gikas

Design of Environmental Processes Laboratory

School of Chemical and Environmental Engineering, Technical University of Crete, Greece

T: +30 28210 37836

E: pgikas@tuc.gr, secretariat.susteng@tuc.gr

W: www.deplab.tuc.gr, www.susteng2025.tuc.gr

