

4TH EDITION OF INTERNATIONAL
CONFERENCE ON

GREEN CHEMISTRY AND RENEWABLE ENERGY

*"Sustainable Chemistry: Green Approaches for a
Greener Future"*



Our SCIENTIFIC COMMITTEE



WEI ZHANG
University of Massachusetts
Boston, United States



KEVIN KENDALL
Hydrogen United In
Birmingham, United Kingdom



HOSSAM A GABBAR
Ontario Tech University,
Canada



BING CHEN
Memorial University of
Newfoundland,
Canada



HELENA BELCHIOR
ROCHA
ISCTE-Instituto Universitário
De Lisboa, Portugal



CRISTIAN RAVARIU
Universitatea Politehnica
Bucuresti, Romania

Scientific TOPICS

- Green Nanotechnology
- Sources of Energy
- Environmental Chemistry and Pollution Control
- Waste reduction, waste capture and recycling
- Green and Eco Friendly Polymers and Material
- Material Science Engineering and Energy Efficient Materials
- Hybrid Renewable Energy Sources
- Green Sustainable Agriculture
- Impacts of Climate Change
- Sustainable Chemistry
- Photovoltaic Technology
- Chemical Batteries
- Biopolymer and Bioplastics
- Nuclear and Clean Energy Technologies
- Future Trends in Green Chemistry
- Green Synthesis
- Marine Energy



17-19
JUN 2024



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TENTATIVE PROGRAM

Keynote Presentations

Wei Zhang

University of Massachusetts Boston,
United States

Title : Recent developments in one-pot stepwise synthesis

Hossam A Gabbar

Ontario Tech University, Canada

Title : Advances in plasma-based waste treatment for sustainable communities

Kevin Kendall

Hydrogen United In Birmingham,
United Kingdom

Title: Green hydrogen by economic electrolysis

Bing Chen

Memorial University of Newfoundland,
Canada

Title: Will be Updated Soon....

Helena Belchior Rocha

ISCTE-Instituto Universitario De Lisboa,
Portugal

Title: The link of green chemistry with community sustainable intervention

Cristian Ravariu

Universitatea Politehnica Bucuresti,
Romania

Title: Biosensors for dopamine - receptors, transducers and nano-scale configurations

Oral Presentations

Yitong Duan

King's College London, United Kingdom

Title: Biosynthesis of Quantum Dots (QDs) in *Euglena gracilis*

Ichiro Imae

Hiroshima University, Japan

Title: Green synthesis of graphene/silicon composite and Its application to lithium-ion battery

Clement Chastrette

Centre d'Application et de Traitement des
Agroressources (CATAR), France

Title: The Atlantic case in SEA2Land project: Optimization of the fractionation by twin-screw extrusion of fish by-products for the production of biobased fertilisers and fish oil

Spalletta

Unité Transformations & Agro-ressources
- Univ. Artois, UniLasalle, ULR7519, France

Title: Toward biocatalyzed carbohydrate-based surfactants synthetic strategy: optimization of biocatalyzed multi-step one-pot synthesis of a biosourced lipophilic moiety

Alena Kharissova

Universidad Autonoma De Nuevo Leon,
Mexico

Title: Nature's solutions, engineered: Biomimetic design of antifouling materials for artificial reefs using green chemistry approaches

Sara Saldarriaga Hernandez

Tecnologico De Monterrey, Mexico

Title: From waste to wealth: A circular bioeconomy approach for the brewing industry through brewery spent grains valorization

Danay Carrillo Nieves

Tecnologico De Monterrey, Mexico

Title: Sustainable biodiesel production and high-value alginate extraction from invasive sargassum seaweeds: Unlocking economic opportunities from waste

TENTATIVE PROGRAM

Yarub Al Douri University of Sharjah, United Arab Emirates	Title: Structural investigation of quaternary alloys
Mohamed Bouzelmad Ibn Zohr University, Morocco	Title: Experimental study of the improvement of the electrical efficiency of a photovoltaic panel using a phase change material
Alami soufiane Faculty of Sciences, University V Mohammed, Morocco	Title: The inoculation with ensifer meliloti sv. rigiduloides improves the growth of robinia pseudoacacia under lead-stress
ADOU Kouakou Eric Université Nangui Abrogoua, Cote d'Ivoire	Title: Anaerobic mono-digestion of wastewater from the main slaughterhouse in yamoussoukro (Côte d'Ivoire): Evaluation of biogas potential and removal of organic pollution
Osman Adiguzel Firat University, Turkey	Title: Thermomechanical processes and lattice reactions in shape memory alloys
Suresh C Ameta PAHER University, India	Title: Photocatalysis: A Green chemical route for wastewater treatment
Ashanendu Mandal University of Calcutta, India	Title: Adsorptive removal of toxic phenol from wastewater using biological and industrial solid wastes
Chandra Mohan K R Mangalam University, India	Title: Function of heterocyclic complexes as green material in promoting sustainable chemistry
Rajesh Kumar Babasaheb Bhimrao Ambedkar Bihar University, India	Title: Biocatalyst novozyme-435 catalysed synthesis of modified nucleosides
Sunita Banaras Hindu University, India	Title: Land use land cover change for dehradun district of uttarakhand from 2000-2020
Rahul Hajare Sandip University, India	Title: Molar characterization and analytical UPLC method development of matrix impurity, disregards impurity, specified impurity associated undetectable impurity of laboratory drug isatin
Amarta Kumar Pal North-Eastern Hill University, India	Title: Graphite Oxide is an efficient green catalyst and support material In organic synthesis
Pankaj Dubey Footwear Design and Development Institute, Chhindwara, MoC, Govt of India, India	Title: Performance & emission assessment of optimized injection pressure and compression ratio on vcrc using dual biofuel
Mansoor Akhtar Shenzhen University, China	Title: Tuning the NLO response of bis-cyclometalated iridium(III) complexes by modifying ligands: experimental and structural DFT analysis
Jinsong Wu Guilin University of Electronic Technology, China	Title: Environmental sustainability and intelligence as well as general green technologies
Zhongsheng Guo Northwest A&F University, China	Title: Photovoltaic power generation and sandstone control

TENTATIVE PROGRAM

Kashan Bashir Tsinghua University, China	Title: Chemocatalytic conversion of biomass-derived glucose and cellobiose to glucaric acid without carbon-carbon bond cleavage
Victor Idankpo Ameh University of Johannesburg, South Africa	Title: Bioenergy potential of cyperus esculentus (Tigernut) residual as a second-generation feedstock
Mpho Qhubu University of Pretoria, South Africa	Title: Aquatic toxicity of heavy metals from pretoria manholes and apies river and their impact on human health
Jenifer Robinson Indian School Alwadi AL Kabir, Oman	Title: Sustainable chemistry in education
Azeez Abdullah Barzinjy Soran University, Iraq	Title: Eutectic-based ionic liquids: a novel medium for synthesizing metal and metal oxide nanoparticles
Seyyed Emad Hooshmand Alzahra University, Iran (Islamic Republic of)	Title: Fusion of cellulose and multicomponent reactions: Benign by design
Julius Kewir Renewable Energy Laboratory, University of Dschang, Cameroon	Title: Biodiesel feed stock potential and biochemical properties of defatted seeds of some tropical wild oleaginous plants.
Sodamade Abiodun Emmanuel Alayande College of Education, Nigeria	Title: Nutritional characteristics, phytochemical and antimicrobial potential of vaccinium parvifolium L. (Ericacea) leaf protein concentrates
Naomi Gaila Adamawa State College of Education, Nigeria	Title: Bioavailability and bioaccessibility of soil, spinach and onion leaves in some selected areas of mubi north local government adamawa state, nigeria
Shumaila Kiran Government College University, Pakistan	Title: Green synthesis and characterization of ZnO/NiO nanohybrid for mitigation of basic brilliant flavine Y-40 dye: An environmental clean strategy

Oral Presentation slots are available

Poster Presentations

Fabre LCA-ENSIACET/INPT-INRAE, France	Title: SLCA methodology applied to bio-based fertilizers from fisheries/aquaculture waste in the scope of the Sea2Land Project
Dinesh Chandra Joshi Retired from ICAR- Central Arid Zone Research Institute, Jodhpur, India	Title: Sustainable management of sodic water irrigated arid soils: Issues and strategies
Abid Ullah UST South Korea, Republic of	Title: MnO ₂ nanotubes as efficient catalysts for metal-air battery advancements: synthesis, applications, and performance

Poster Presentation slots are available