

7th International Conference on

GREEN CHEMISTRY & TECHNOLOGY

June 18-20, 2018 | Dublin, Ireland





Opening Ceremony

Keynote Forum

Title: Investigating the Recalcitrance of Bioresources for Bio Fuels

Arthur J Ragauskas, The University of Tennessee-Knoxville, USA

Title: Bio4Products: Creating Sustainable Resources for Processing Industry

Hans Heeres, BTG Biomass Technology Group, Netherland

Group Photo & Networking and Refreshments Break

Sessions: Environmental Chemistry | Biomass & Bioenergy | Agrochemicals | Green Materials | Biopolymers & Bioplastics

Session Chair: Slot Available

Session Co-chair: Slot Available

Session Introduction

Title: Biomass based Materials and Composites via Zinc Chloride Ionic Liquid technology

Igor Babich, BIOe CON, Netherland

Title: Ionic Liquid based Artificial Cellulase type Catalysts for Cellulosic Ethanol Process

Ananda S. Amarasekara, A&M University, USA

Title: Detailed Kinetic Investigations on the Selective Oxidation of Biomass to Formic Acid (OxFA Process)

Jakob Albert, FAU Erlangen-Nürnberg, Germany

Title: HPLC Vanadium Speciation, Separation and Quantitation from within an UAE Environmental Matrix: Oxidation, Coordination Chemistry, Stability and Lability

Iman Boukhobza, Zayed University, UAE

Title: Environmental Assessment of Expansive Clays Treated with Residues from Biofuel Applied in Green Construction of Low Traffic Intensity Roads

Adela P Galvín, University of Córdoba, Spain

Lunch Break

Sessions: Renewable Sources | Green Manufacturing & Processes | Green Energy and Efficiency | Environmental Sustainability

Title: Synthesis of Visible Light Responsive $\text{Cu}(\text{OH})_2$ loaded ZnIn_2S_4 Photocatalyst for Production of Renewable Hydrogen by Non-Sacrificial Water Splitting

Thillai Sivakumar Natarajan, University College Dublin (UCD), Ireland

Title: Lignin-Based Functional Materials: Challenges and New Trends

Youssef Habibi, Luxembourg Institute of Science and Technology (LIST), Luxembourg

Title: Preparation of Activated Carbon from Acacia Seeds by H_2SO_4 Under Different Conditions as Impregnating Agent for Waste Water Treatment and Studies on Methylene blue adsorption

Ateeq Rahman, University of Namibia, Namibia

Title: Oxidative Dehydrogenation of Menthol in a Continuous Gas Phase Process

Angela Köckritz, University of Rostock, Germany

Networking and Refreshments Break

Title: Biorefinery of Wild Castor Seed for Synthesis of Green Products

Satya Narayan Naik, Indian Institute of Technology, India

Title: Synthesis and Adsorption Behavior of Chitosan-Coated MnFe₂O₄ Nanoparticles for Trace Heavy Metal Ions Removal

Zhoucheng Wang, Xiamen University, China

Title: Selective Wacker Oxidation of a Macrocyclic Diene to a Monounsaturated Carbonyl Compound Used for the Fragrance Industry in One Step

Tom Brunzel, University of Rostock, Germany

Title: Annual N₂O Emissions from Conventionally Grazed Typical Alpine Grass Meadows in the Eastern Qinghai-Tibetan Plateau

Han Zhang, Nanjing University of Information Science and Technology, China

****Speaker Slot Available****

Panel Discussions and Key Networking

Day 2 June 19, 2018

Keynote Forum

Title: Polyphenols from Catalytic Organosolv Process: Antioxidants and Carbon Fiber Applications

Tatjana Stevanovic, Laval University, Canada

Title: Advancements in Hydrothermal Processing of Algal Biomass for Co-production of Bioenergy and Nutrients

Umakanta Jena, New Mexico State University, USA

Networking and Refreshments Break

Sessions: Industrial Applications of Green Chemistry | Polymer Chemistry | Environmental Pollution & Global Warming | Green Economics | Waste Valorization & Management

Session Chair: Tatjana Stevanovic, Laval University, Canada

Session Co-Chair: Slot Available

Session Introduction

Title: A New Economic Technology for Gold Isolation

Roger B Pettman, Cycladex Inc, USA

Title: Biofuel Precursors from Agro-Industrial Wastes Under Microwave Radiation. Dublin

Andres Moreno, Univ. Castilla-La Mancha, Spain

Title: New Biopolymers with Tailored the Architectures from Renewable Building Blocks Derived from Low -Molecular Weight Hemicelluloses

Youssef Habibi, Luxembourg Institute of Science and Technology (LIST), Luxembourg

Title: Single Cell Oil Production from Agricultural Wastes and its Chemical Transformation for Production of Long Chain α , ω -Dicarboxylic Acids

Hao Fang, Northwest A&F University, China

Title: Continuous Generation of Anhydrous tert-Butyl hydroperoxide and Its Application in Flow Oxidation

Bryan Li, Pfizer Worldwide Research and Development, USA

Lunch Break

Title: Microbial Decolorization of Reactive Azo Dyes by Bacillus Spp. Under Anaerobic Condition

Maulin Shah, Enviro Technology Limited, India

Title: Capturing and Converting CO₂ to Low Carbon Emissions Fuels and Chemicals

Paul O'Connor ANTECY, The Netherlands

Title: Sustainable and Integrated Recycling of Hazardous Graphite Waste for Treating Textile Industrial Effluent

Ambika Selvaraj, Indian Institute of Technology Madras Chennai, India

Title: Tandem Organocatalytic Epoxidation/Aziridination Multicomponent Reactions for the Synthesis of New Peptidomimetics

Arlene Correa, Federal University of São Carlos, Brazil

Networking and Refreshments Break

Title: Human and Ecologically Friendly Candlelight OLED

Jwo-Huei Jou, University of Michigan, USA

Title: Conversion of Ethanol to Butadiene Over MgO-SiO₂ Catalysts

Barthos Robert, Institute of Materials and Environmental Chemistry, Hungary

Title: High Speed Zinc-Phosphate Coating Method with Acidic Electrolytes on Metal Surface

Erkan Karayigit, Guney Celik Hasir ve Demir Mamulleri San., Turkey

****Young Research Forum Slot Available****

****Speaker Slot Available****

Panel Discussions and Key Networking

Networking and Refreshments Break

Day 3 June 20, 2018

Keynote Forum

Title: Greener Protocols Biological and Pharmaceutical Compounds

Ahindra Nag, Indian Institute of Technology, India

Title: Green Chemistry is the Major Sustainable Industry for the Development of Health, Basic Need of Life, Reduces Financial Crises, Poverty and Hunger in the World.

Muhammad Usman, Agriculture research system, KPK-Pakistan

Networking and Refreshments Break

Sessions: Green Engineering | Renewable Energy | Green Chemical Reactions | Green Manufacturing & Processes

Session Chair: Slot Available

Session Co-Chair: Slot Available

Session Introduction

Title: Production of Furfural from D-xylose and Organosolv Hemicellulose in Water/Ethanol mixtures

Jakob Köchermann, DBFZ German Biomass Research Centre, Germany

Title: Cellulose Filament as Fiberglass Replacement in Reinforced Plastic

Daniel Montplaisir, Université du Québec à Trois-Rivières, Canada

Title: Changes in Air Pollution and Atmospheric Corrosivity in the Czech Republic - Effect on Materials Degradation

Katerina Kreislova, SVUOM Ltd., Czech Republic

Title: Biomass and Biogas for Sustainable Energy Generation: Recent Development and Perspectives

Abdeen Omer, Energy Research Institute (ERI), UK

Lunch Break

Title: Oxidative Dehydrogenation of Menthol in a Continuous Gas Phase Process

Angela Koeckritz, University of Rostock, Germany

Title: Bio-derived UV Blocking Materials by Laccase-Catalysed Oxidative Oligomerization of Natural Phenol Analogues

Balamurugan Ramalingam, Institute of Chemical and Engineering Sciences (ICES), Singapore

Title: Electrocatalytic Performance of Mn Containing Hydroxalcalite-like Compounds on the Oxidation of Methanol Reaction

Ariel Guzmán-Vargas, Instituto Politécnico Nacional, Mexico

Poster presentations & Young Research Forum

Title: Development of Rosemary Essential Oil in Water Emulsions

J Muñoz, Universidad de Sevilla, Spain

Title: Hydroxy Ethyl Sulfone Based Reactive Coalescing Agents for Water Borne Coating with Low Environmental Impact

Balamurugan Ramalingam, Institute of Chemical and Engineering Sciences (ICES), Singapore

Title: Bioremediation of Arsenic by Bio-fabricated Silver Nanoparticles from Aquatic Environment

T K Das, University of Kalyani, India

Title: Prediction of Glucose Yield After Enzymatic Digestibility of Pretreated Biomass

Michael loelovich, Polymate, Israel

Title: Material Life Cycle Assessments(MLCA) on $\text{Li}(\text{Ni}_{0.8}\text{Co}_{0.1}\text{Mn}_{0.1})\text{O}_2$ and $\text{Na}(\text{Ni}_{0.8}\text{Co}_{0.1}\text{Mn}_{0.1})\text{O}_2$ Cathode Material by Co-precipitation

Min Gyeom Kim, Korea National University of Transportation, Republic of Korea

Title: Determination and removal of Copper and Cadmium in Drinking Water Samples collected from Jimma Town, South-West Ethiopia, using Activated Carbon Prepared from Pumpkin Seeds

Khalid Siraj, College of Natural Sciences ,Ethiopia

Title: Adsorptive Removal of 8-hydroxyquinoline from Aqueous Solution Using Orange Peel Powder as an Adsorbent: Kinetics and Thermodynamics Study

Khalid Siraj, College of Natural Sciences ,Ethiopia

Title: Green Fabrication of Hydrogel Nanocomposites: Towards Fracture Morphology and Fracture Toughness

Ranjana Dixit, University of Delhi, India

Title: A Mechanical Insecticide Approach to Non-Chemical, Low-Cost Mosquito Control

Erin Cloherty, Termite & Rodent Control Board,USA

Coffee Break

****Speaker Slot Available****

Panel Discussions and Key Networking

NOTE: Program Schedule is subject to change with final allotment of the speaker slots

