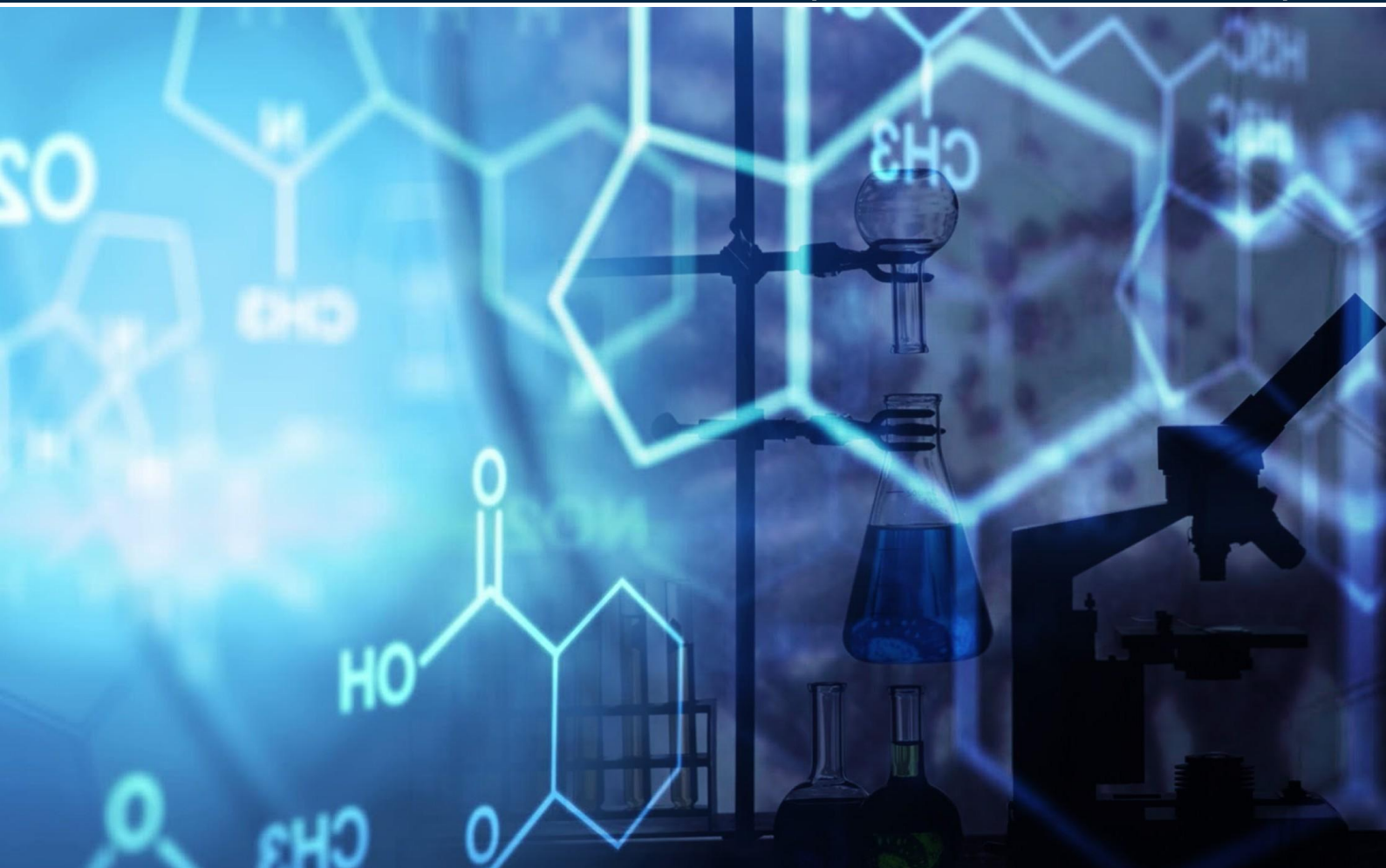


Scientific Program

2nd World Congress & Expo on Chemical Engineering & Catalysis

July 25-26, 2019 | Rome, Italy



Scientific Federation
Panjagutta, Hyderabad, Telangana-500082, India

Day 1 July 25, 2019

Suite Aurelia

08:00-09:00 Registrations
09:00-09:15 Introduction & Opening Words

Plenary Forum

09:15-10:00 **Title: Design of Metal Single-Site Zeolites and Their Application in Industrial and Environmental Catalysis**
Stanislaw Dzwigaj, Sorbonne University, France

10:00-10:45 **Title: Novel Strategies for Fouling Mitigation In Membrane Bio-Reactors**
Anastasios I. Zouboulis, Aristotle University of Thessaloniki, Greece

Refreshments Break 10:45-11:00 @ Foyer

Keynote Forum

11:00-11:35 **Title: Development of Responsive Biopolymer Systems**
Lee D Wilson, University of Saskatchewan, Canada

11:35-12:10 **Title: Valorization of Lignocellulosic Biomass: Role of Catalytic Materials in the Product Distribution and Selectivity to Value added Products**
Narendra Kumar, Abo Akademi University, Finland

12:10-12:45 **Title: Homogenous Carbonylations of Olefins and Alkynes- not only for Industry**
Ralf Jackstell, Leibniz Institute for Catalysis, Germany

12:45-12:50

Group Photo

Lunch Break 12:50-13:50 @ Restaurant

13:50-14:25 **Title: Stability of Oxidation Catalysts for the Mitigation of Ventilation Air Methane (VAM)**
Eric M Kennedy, The University of Newcastle, Australia

Invited Talks

Sessions II Photocatalysis and Photoreactors | Electrocatalysis and Bioelectrocatalysis | Catalysis for Renewable Sources and Catalysis in Nanotechnology

Session Chair Simelys Hernandez, Italian Institute of Technology, Italy

Session CO-chair Inaki Gandarias, University of the Basque Country, Spain

14:25-14:50 **Title: An Integrated Process for the Production of 2-Methylfuran from Biomass**
Inaki Gandarias, University of the Basque Country, Spain

14:50-15:15 **Title: Transparent Photocatalytic Thin Films on Glass and Flexible Polymer Substrates**
Urška Lavrenčič Štangar, University of Ljubljana, Slovenia

15:15-15:40 **Title: Electrocatalytic vs. Thermocatalytic CO₂ Reduction Towards Liquid Fuels**
Simelys Hernandez, Italian Institute of Technology, Italy

15:40-16:05 **Title: Influence of the Carbon Electrode Properties in the Electrocatalytic Oxygen Reduction Reaction**
Ana Arenillas, Instituto Nacional del Carbón, Spain

Refreshments Break 16:05-16:20 @ Foyer

16:20-16:45 **Title: Facile Synthesis of NHC-Stabilized Metal Nanoparticles and their Catalytic Application in Selective Hydrogenations**
Aitor Gual Gozalbo, Technological Center of Chemistry of Catalonia (CTQC) - EURECAT, Spain

- P-001** **Title: Ionic Liquid Pretreatment of Water Lettuce for Fermentable Sugar Production**
Pattarawan Ampunsang, Chulalongkorn University, Thailand
- P-002** **Title: Crystal-Plane Effect of TiO₂ on the Activity of TiO₂ for Oxidative Steam Reforming of Methanol**
Jareerat Chutirat, Chulalongkorn University, Thailand
- P-003** **Title: Catalytic Conversion of Fructose to 5-Hydroxymethylfurfural (HMF) in Aqueous System using Acid and Hydrophobic Functionalized Mesoporous SBA-15**
Chanakan Trai-angkun, Chulalongkorn University, Thailand
- P-004** **Title: A Study of Bimetallic Cu-Pd Catalysts for Partial Hydrogenation of Fatty Acid Methyl Esters (FAME)**
Chalita Pupairatchapong, Chulalongkorn University, Thailand
- P-005** **Title: Optimizing Carbons for Photocatalytic Degradation of Organic Pollutants**
Ana Arenillas, Instituto Nacional del Carbón, Spain
- P-006** **Title: Performance of Cobalt-Based Catalyst to Produce High Purity Hydrogen via High Temperature Water Gas Reaction**
Min-Ju Park, Changwon National University, Republic of Korea
- P-007** **Title: Real Time Analysis of Combustion Emissions: A Comparison of Catalyst Treated and Untreated Solid Fuels**
Antony Nyombi, Cranfield University, United Kingdom
- P-008** **Title: Fabrication of Highly Crystalline FeWO₄ Nanorods with g-C₃N₄ Nanosheet for the Supercapacitors**
Han Joo Kim, Chonbuk National University, Korea (South)
- P-009** **Title: Microwave Mediated Synthesize of ZnCO₂O₄ Nanocubes for Enhanced Decolorization of Cationic Dye**
T.V.M. Sreekanth, Yeungnam University, Korea (South)
- P-010** **Title: Defining Appropriate Reaction Scheme for Hydrotreating of Vegetable Oil Through Proper Calculation of Kinetic Parameters**
Alexis Tirado Cota, Instituto Politécnico Nacional, Mexico
- P-011** **Title: The Effect of Doped Metals on Me-Ce₂ Catalysts for High Temperature Water Gas Shift Reaction Using Waste-Derived Synthesis Gas**
Hui-Ju Byeon, Changwon National University, Republic of Korea
- P-012** **Title: Gold-Nickel Supported on KIT-6 and SBA-15, Catalysts for Ethanol Steam Reforming: Effect of Gold and Cerium Oxide Addition**
Sergio A. Jimenez-Lam, Universidad Autonoma de Sinaloa, Mexico

End of the Conference

Bookmark Your Dates

3rd World Congress & Expo on

Chemical Engineering & Catalysis

July 23-24, 2020 | Montreal, Canada

