



International Chemical Engineering & Catalysis Conference

December 12-13, 2019 | London, UK

Day 1 December 12th, 2019

MainHall

09:00-10:00 Registrations

10:00-10:05 Introduction

10:05-10:30 Opening Ceremony

Session

Plenary Talks

Chemical Kinetics and Catalysis

10:30-11:20

Title: Reaction Kinetics in Chemical Engineering

Christo Boyadjev, Bulgarian Academy of Sciences, Bulgaria

11:20-12:10

Title: Different Techniques and Methods Employed to Maintain and Provide Specific Environment in Bioenergy

Abdeen Mustafa Omer, Energy Research Institute (ERI), Nottingham, UK

12:10-12:25 Coffee Break

Session

Keynote Talks

Biochemical Engineering

12:25-13:05

Title: A New High Hydrostatic Pressure Destroyed All Pathogens Including Spores While Preserving the Bioactive Proteins of Donated Human Milk

Claude Billeaud, Medical University of Bordeaux, France

13:05-13:15 Group Photo

13:15-14:15 Lunch Break

14:15-14:55

Title: News Strategies for Sustainable Green Chemistry Based on the Extraction from Natural Sources in the Semiarid Biome

Fernanda G L Medeiros Borsagli, Universidade Federal dos Vales do Jequitinhonha e Mucuri (UFVJM), Brazil

14:55-15:35

Title: Enhanced Thermal Energy Storage by Porous Materials

Yuan Tian, De Montfort University, UK

Session

Speaker Talks

Homogeneous and Heterogeneous Catalysis, Advances in Catalysis and Chemical Engineering, Catalysis and Applications

Session Chair

Mohammed Al-Hashimi, Texas A&M University at Qatar, Qatar

15:35-16:05

Title: Using Green Chemistry for Olefin Metathesis

Mohammed Al-Hashimi, Texas A&M University at Qatar, Qatar

16:05-16:35

Title: Immobilized Bifunctional Catalysts for the Application of Advanced Oxidation Processes

Aida M. Diez, University of Vigo, Spain

16:35-16:50	Coffee Break
16:50-17:20	Title: Smart Asphalt Mixtures with Multifunctional Capabilities
	Iran Gomes da Rocha Segundo, University of Minho, Portugal
17:20-17:50	Title: Kinetic Modeling and Simulation for the Intensification of the One-Step DME Synthesis Process from CO ₂
	Ainara Ateka, University of the Basque Country, UPV/EHU, Spain
Day 2 December 13, 2019	
MainHall	
Session	Plenary Talks
	Environmental and Sustainable Chemical Engineering
10:00-10:40	Title: Integrated Biological and Chemical Process to Treat Wastes of Electronic Industries: LIFE BITMAPS: Lab-Scale and Pilot Plant Studies
	Francesco Veglio, University of L Aquila, Italy
10:40-11:20	Title: The Effect of Ozonation By- Products on Human Embryonic Kidney Cells (Hek293): Ozone as Wastewater Treatment Tool
	Mufeed J. Ewadh, University of Babylon, Iraq
11:20 - 11:35	Coffee Break
Session	Speaker Talks
	Separation Processes in Chemical Technology, Photocatalysis and Photoreactors, Bio Catalysis and Biotransformation, Photochemistry Photobiology and Electrochemistry, Organometallics, Organocatalysis and Bioinorganic Chemistry
11:35-12:05	Title: Nano Co-immobilization of Alpha-Amylase and Maltogenic Amylase by Nanomagnetic Combi-Cross-Linked Enzyme Aggregates Method for Maltose Production from Corn Starch
	Homa Torabizadeh, Iranian Research Organization for Science and Technology, Iran
12:05-12:35	Title: Cytotoxic Potential of Aphelandra Squarrosa (Acanthaceae)
	Sadaf Siddique, Jouf University College of Pharmacy, Skaka, Saudi Arabia
12:35-13:05	Title: Measuring Ion-Pairing and Hydration in Metal-Organic Cages with Microwave Microfluidics
	Angela C. Stelson, National Institute of Standards and Technology, Boulder, CO, USA
13:05-14:05	Lunch Break

14:05-14:35	Title: Improving the Yields of Complex Monoclonal Antibodies and Fusion Proteins for Cancer Therapy
	Peter Blas, The Kibworth School and UCL Department of Biochemical Engineering, United Kingdom
14:35-15:05	Title: Solvent-free Selective Oxidation of Primary Alcohols-to-Aldehydes by Molecular Oxygen Over TiO ₂ -Supported Nano-Gold Catalysts
	Deepa Dumbre, National Chemical Laboratory, India
15:05-15:35	Title: Molecular Simulation of Oil-Water Mixture Separation Using Carbon Nanotubes Membranes
	Masoud Darvish Ganji, Islamic Azad University, Qaemshahr, Iran
15:35-16:05	Title: Pronounced Impact of Te-enrichment on Physical Properties of ZnTe Thin Films for Solar Cell Applications
	Waqar Mahmood, Fatima Jinnah Women University (FJWU), The Mall Rawalpindi, Pakistan
16:05-16:20	Coffee Break
	*****Few slots are available*****
Session	YRF (Young researcher Forum)
	Photocatalysis and Photoreactors, Catalysis and Applications, Chemical Engineering of Polymers-Polymer Engineering
Session Mentor	Avraham Dayan, Tel Aviv University, Israel
16:50-17:15	Title: Photodegradation of Hazardous Organic Materials In-Situ by Titanium-Dioxide Derivatives under UV or VIS illumination
	Avraham Dayan, Tel Aviv University, Israel
17:15-17:40	Title: RGD-Modified Dihydrolypoamide Dehydrogenase Conjugated to Titanium Dioxide Nanoparticles – Switchable Integrin-Targeted Photodynamic Treatment of Melanoma Cells
	Avraham Dayan, Tel Aviv University, Israel
17:40-18:05	Title: Synthesis of Cellulose Acetate from Raw Textile Wastes
	Natália Cândido Homem, University of Minho, Portugal
18:05-18:30	Poster Sessions
	Stem Cell Bioprocessing, Organometallic and Catalysis, Homogeneous and Heterogeneous Catalysis
P-001	Title: Carbon Nanotube Multilayered Nanocomposites as Multifunctional Substrates for Actuating Neuronal Differentiation and Functions of Neural Stem Cells
	Yiwen Ruan, Jinan University, China

P-002	Title: Biodiesel Synthesis by Ultrasound Assisted Enzymatic Transesterification
	Adina Ionuta Gavrilă, University Politehnica of Bucharest, Romania
P-003	Title: Stability Studies of Au- and Ag-conjugates with Thiol - Containing Molecules
	Andreea Stanila, University of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca, Romania
***Note: This is a Tentative Program, it is Subjected to slight changes till Final Program	