Scientific Program

Registrations
09:00-09:30

PULSUS
WWW.PULSUSCONFERENCE.COM

Opening Ceremony
09:30-09:55

Day 1 Dec 05, 2018

Conference Hall

Keynote Forum

Introduction 09:55-10:00

10:00-10:40
Title: Nuclear spin catalysis in biomolecular nanoreactors: Premises and promises
Vitaly K Koltover, Institute of Problems of Chemical Physics, Russia

10:40-11:20
Title: Polymer encapsulation of radioactive waste in nuclear industry
Ahmet E Osmanlioglu, Istanbul University, Turkey

Refreshments and Networking Break 11:20-11:40 @ Foyers

11:40-12:20
Title: From polymer solution to porous membrane - Controlling the membrane morphology using a modeling approach
Denis Bouyer, University of Montpellier, France

Session Introduction

Session: Chemical Engineering | Advanced Catalytic systems | Chemical Polymer Technology | Catalysis & nanotechnology | Biofuels in Chemical Engineering | Homogeneous and Molecular Catalysis | Biofuels in Chemical Engineering | Catalysis for Renewable Chemicals

Session Chair: Vitaly K Koltover, Institute of Problems of Chemical Physics, Russia
Co Chair: Sibudjing Kawi, National University of Singapore, Singapore

12:20-12:50
Title: Development of Ni-based catalysts for CO_2 and biomass conversions to Hydrogen
Sibudjing Kawi, National University of Singapore, Singapore

Lunch Break 12:50-13:50

13:50-14:20
Title: Micro reactor technology: Flow chemistry impact on applied catalysis
Hany A Elazab, British University in Egypt, Egypt

14:20-14:50
Title: Oxidation of Cresol isomers using γ-Al_2O_3, SiO_2 as adsorbents and ozone
Viswanadha Srirama Rajasekhar Pullabhotla, University of Zululand, South Africa

14:50-15:20
Title: In silico design of nanomaterials for environnemental and catalytic applications
Michael Badawi, University of Lorraine, France

Refreshments and Networking Break 15:20-15:40 @ Foyers

15:40-16:10
Title: Electrochemical activity of Pt-Pd supported on Carbon Xerogels towards ORR
Vladimir Linkov, University of the Western Cape, South Africa

16:10-16:40
Title: Laser vaporization and controlled condensation (LVCC): Graphene supported Pd/Fe_3O_4 nanoparticles as an efficient magnetic catalyst for suzuki cross-coupling
Hany A Elazab, British University in Egypt, Egypt

Young Scientist Forum

16:40-17:00	**Title: Catalyst's eco-design from natural clay: Modified-clay efficient catalyst for the synthesis of α,β unsaturated carbonyl compounds** **Hanae Ouaddari,** University of Hassan II Casablanca, Morocco
17:00-17:20	**Title: Role of Sulfur in catalyst poisoning and regeneration during biogas dry reforming** **Vivek Pawar,** Indian Institute of Technology, India
17:20-17:40	**Title: DFT theoretical study and electronic properties study of organic semiconductor molecules based on terphenyl for organic photovoltaic and solar cell applications** **Siham Lakrikh,** Sultan Moulay Slimane University, Morocco

Day Concludes

Day 2 Dec 06, 2018

Conference Hall

Keynote Forum

09:30-10:10	**Title: Chemistry of Phosphinidene complexes - Synthesis of novel organophosphorous compounds** **Arif Ali Khan,** Guru Gobind Singh Indraprastha University, India
10:10-10:50	**Title: Hydrodearomatization of model monoaromatics over Ni/Al_2O_3: Theoretical and experimental approaches** **Sylvette Brunet,** Institute of Environmental Chemistry and Poitiers Materials, France

Refreshments and Networking Break 10:50-11:10 @ Foyers

Session Introduction

Session: Organic Chemistry | Biochemical Engineering | Catalytic Reactions Engineering | Catalysis for Renewable Chemicals | Chemical Engineering | Advanced Catalytic Systems | Chemical Polymer Technology | Catalysis & Nanotechnology

Session Chair: Arif Ali Khan, Guru Gobind Singh Indraprastha University, India
Co Chair: Sylvette Brunet, Institute of Environmental Chemistry and Poitiers Materials, France

11:10-11:40	**Title: Protein enrichment from broken rice waste through chemical process** **Muhammad Suleman Tahir,** University of Gujrat, Pakistan
11:40-12:10	**Title: Advances in fluid structure interaction methodologies for evaluating cardiovascular disorders** **Amit Koikkarah Aji,** Max Planck Institute for Colloids and Interfaces, Germany
12:10-12:40	**Title: Carbon-based nanomaterials as electrocatalysts for energy related reactions** **Diana M Fernandes,** LAQV-Requimte, Portugal

Lunch Break 12:40-13:40

13:40-14:10	**Title: Synthesis and characterization of Pt/Zn-ZSM-5 nanocatalysts for Xylene isomerization reaction** **Milad Rasouli,** University of Sistan and Baluchestan, Iran
14:10-14:40	**Title: Study the operating variables of reactive distillation by HYSYS software** **Khaled Elmarimi,** National Oil Corporation, Libya

Young Researcher Forum

14:40-15:10	**Title: Innovative technology combination (integrated cyclone-packed technology & combustion management and monitoring system) for emission reduction and efficiency Increasing in Small-Scaled Biomass Combustion Systems** **Souha Meriee & Niro Akbary,** Fraunhofer Institute for Building Physics IBP, Germany

Refreshments and Networking Break 15:10-15:30 @ Foyers

15:30-16:00

Title: The effect of some organic compounds on efficiency of the fenton process for degradation of some organic pollutants

Besa Mulaj, University of Prishtina, Kosovo

Poster Judge : Sylvette Brunet, Institute of Environmental Chemistry and Poitiers Materials, France

Poster Presentation @ 16:00-17:00

CE_01

Title: Synthesis and antibacterial effects of Cobalt - cellulose magnetic nanocomposites

Nadiyah Alahmadi, University of Jeddah, Saudi Arabia

CE_02

Title: Ordered Pt-Fe-Ni trimetallic nanocrystals for catalyzing the oxygen reduction reaction

Hong Zhu, Beijing University of Chemical Technology, China

CE_03

Title: Exploration of new molecules used in photovoltaic cells with the TDDFT method

Hajar Atmani, Sultan Moulay Slimane University, Morocco

CE_04

Title: A novel development of biosensor to detect early signs of heartattack

Nabeel Ahmed, University of Gujrat, Pakistan

CE_05

Title: QSAR modeling and lipinski calculations on 1,2-benzodiazole derivatives

Siham Lakrikh, Sultan Moulay Slimane University, Morocco

CE_06

Title: Novel generation of glass tube column based on monolithic poly(styrene-co-divinyl benzene) as stationary phase in HPLC for separation of small molecules

Mohamd Ouladsmane, King Saud University, Saudi Arabia

17:00-17:45 B2B Meetings & Panel Discussions

Award and Closing Ceremony

