Scientific Program

Registrations
09:00-09:30

PULSUS
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Opening Ceremony
09:30-09:55

Day 1 Dec 05, 2018

Conference Hall- Rosales

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

Group Photo

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

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

Sessions: 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 @ Lounge

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 @ Terrace

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- Rosales

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 @ Terrace

Session Introduction

Sessions: 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 @ Lounge

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

14:40-15:10

Title: Synthesis of (Ti,Cr)C and (Ti,W)C solid solutions powders by mechanical alloying: Application for cutting tools

Mohsen Mhadhbi, National Institute of Research and Physical-chemical Analysis, Tunisia

Young Researcher Forum

15:10-15:40	**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: 15:40-16:00 @ Terrace

16:00-16:20	**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 Presentations @ 16:20-17:00

CE_01	**Title: Synthesis and antibacterial effects of Cobalt - cellulose magnetic nanocomposites** **Nadiyah Alahmadi,** University of Jeddah, KSA
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, KSA

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

Award and Closing Ceremony