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Scientific Program

International Conference on

Applied Chemistry

October 17-18, 2016 Houston, USA



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Day 1 October 17, 2016

08:30-09:30 Registrations

Windsor II

conferenceseries.com **09:30-09:50** Opening Ceremony

Keynote Forum

09:50-10:00 Introduction

10:00-10:30 Title: Target synthesis and mechanism studies of boron/nitrogen-alkane analogs
Xuenian Chen, Henan Normal University, China

10:30-11:00 Title: Design of lanthanide based phosphors using non-empirical calculations
Werner Urland, University of Fribourg, Switzerland

Group Photo

Networking and Refreshment 11:00-11:20 @ Foyer

Session:
Fundamentals and principles of Applied Chemistry | Applied Physical Chemistry | Applied Surface Chemistry
Applied Inorganic Chemistry | Catalytic Chemistry

Session Chair: Mauro Coelho dos Santos, Federal University of ABC, Brazil

Session Co-chair: Sergei A Kulinich, Tokai University, Japan

Session Introduction

11:20-11:40 Title: Intensification of the rate of production of an annular electrochemical reactor used to conduct diffusion controlled reactions by the combined swirl flow and surface roughness
Dina Ahmed El-Gayar, Alexandria University, Egypt

11:40-12:00 Title: Effect of the presence of strong and weak electrolytes on the existence of the uniaxial and biaxial nematic phases in lyotropic mixtures
Antonio Martins Figueiredo Neto, University of Sao Paulo, Brazil

12:00-12:20 Title: Degradation of organic pollutants using nanomaterials and electrochemical advanced oxidative processes
Mauro Coelho dos Santos, Federal University of ABC, Brazil

12:20-12:40 Title: A novel high performance dual biosensor for the detection of aspartame in food samples
Venkatasubba Naidu Nuthalapati, Sri Venkateswara University, India

Panel Discussions 12:40-12:45

Lunch 12:50-13:50 @ CHURCHILL

13:50-14:10 Title: Nanoflake arrays: Their preparation and gas-sensing
Sergei A Kulinich, Tokai University, Japan

14:10-14:30 Title: Agostic interaction influencing catalyst procedure and C-H chemical shift
Xuenian Chen, Henan Normal University, China

14:30-14:50 Title: Complexes of salicyladehyde-2-amino-4-thiazoleacetic acid hydrazone (ATASH) with some M(II) sulphates and acetates (M= Ni, Cu, Co, Zn, Mn)
M. C Enedoh, Imo State University Owerri, Nigeria

14:50-15:10 Title: Study of Pd nanoparticles and metal-organic framework (MOF) composite as heterogeneous catalyst
Zhiyong Wang, Troy University, USA

15:10-15:30 Title: Super-wetting micro-/nano-structured electrodes for gas-involved electro-catalysis
Xiaoming Sun, Beijing University of Chemical Technology, China

15:30-15:50 Title: Valorization of bioglycerol to value added products: Sulfonated mesoporous Polydivinylbenzene (PDVB) as an efficient solid acid catalyst for room temperature synthesis of solketal
Sanjeev P Maradur, Poornaprajna Institute of Scientific Research, India

15:50-16:10 **Title: Novel metal hydroxystannates and their oxides as solid acid-base catalysts for biodiesel synthesis and glycerol transformations**

Ganapati Shanbhag, Poornaprajna Institute of Scientific Research, India

Panel Discussions 16:10-16:15

Networking and Refreshment 16:20-16:40 @ Foyer

16:40-17:00 **Title: Development and validation of carotenoids determination method in organic extracts obtained from agro industrial waste materials using extraction techniques and high performance liquid chromatography**

Imeda Rubashvili, Tbilisi State University, Georgia

17:00-17:20 **Title: Use of a new developed micro-pulse-like reactor for the kinetic catalytic measurements of CO, CH, NO, and NOx removal from car exhaust gases on the catalyst (BZ Ag_2O, Al_2O_3-MoO_3-Ag_2O)**

Y. Walid Bizreh, Damascus University, Syria

Video Presentations

Title: Effect of variation of viscosity on magnetic field effect in radical ion pair system at various permittivities

Deb Narayan Nath, Indian Association for the Cultivation of Science, India

Title: Design, synthesis and evaluation of novel phthalimide derivatives as *in vitro* anti-microbial, anti-oxidant and anti-inflammatory agents

Phoebe Farag Allah Lamie, Beni-Suef University, Egypt

Title: Design and synthesis of novel benzimidazole, benzoxazole and benzothiazole derivatives bearing biologically active thiazole, dihydroquinolone and thiazolidinone moieties as a new class of antitumor agents

John N Phillopes, Beni-Suef University, Egypt

Panel Discussion

Day 2 October 18, 2016

Windsor II

Keynote Forum

10:00-10:30 **Title: Synthesis of functional smart materials**

Dirk Kuckling, University of Paderborn, Germany

10:30-11:00 **Title: Modified nanocomposite materials for removal of water pollutants**

Jane Catherine Ngila, University of Johannesburg, South Africa

Networking and Refreshment 11:00-11:10 @ Foyer

Sessions:
Applied Polymer Chemistry | Applied Medicinal Chemistry | Organometallic Chemistry | Thermodynamics of Applied Chemistry | Isolation Techniques | Applications of Applied Chemistry

Session Chair: Abdelnasser Mabrouk, Hamad Bin Khalifa University, Qatar

Session Co-chair: Keisham Surjit Singh, National Institute of Technology Agartala, India

Session Introduction

11:10-11:30 **Title: Synthesis of hyperbranched polymers from vegetable oils via ozonolysis pathway**

Dirk Kuckling, University of Paderborn, Germany

11:30-11:50 **Title: Synthesis, structural characterization and anti-diabetic activities of organotin(IV) azo-carboxylates: Crystal structure of a 48 membered macrocyclic-tetrameric trimethyltin(IV) complex**

Keisham Surjit Singh, National Institute of Technology Agartala, India

11:50-12:10 **Title: Bio-film and trace metals removal from waste aqueous effluent using Moringa oleifera-silver nitrate micro-particles**

Ukiwe Lugard Luke Nnabugwu, Federal University of Technology, Nigeria

12:10-12:30 **Title: Novel design of multi effect evaporator for high performance of desalination plants**

Abdelnasser Mabrouk, Hamad Bin Khalifa University, Qatar

12:30-12:50 **Title: Dechlorination of pesticides in water using Fe-Pd bimetallic nanoparticles on membrane composite**

Jane Catherine Ngila, University of Johannesburg, South Africa

Lunch 12:50-13:50 @ CHURCHILL

13:50-14:10	**Title: Production and applications of foamed materials from synthesized silicate glasses by hydrate gas-formation mechanism** **Aleksandr Ketov,** Perm National Research Polytechnic University, Russia
14:10-14:30	**Title: Excess molar Gibbs energies of heptan-2-one+ 1,4-dichlorobutane or 1,6-dichlorohexane. Comparison with values using the DISQUAC contribution model** **O Tafat-Igoudjilenê,** University of Science and Technology Houari Boumediene, Algeria

Young Research Forum

14:30-14:45	**Title: Electrochemical conversion of dinitrogen to ammonia induced by a metal complex–supported ionic liquid** **Akira Katayama,** Nagoya Institute of Technology, Japan
14:45-15:00	**Title: A tripod exhibiting colorimetric and OFF-ON-OFF fluorogenic response for some metallic species** **Pawanpreet Kaur,** DAV College, India
15:00-15:15	**Title: Regulation of open porosity and strength in ceramics based on electro corundum and porcelain binder** **Zaw Ye Maw Oo,** D Mendeleev University of Chemical Technology of Russia, Russia
15:15-15:30	**Title: Diverse optical behavior of a Schiff base molecule towards some metallic species: A chemophore for Fe (III) and fluorophore for Zn (II) and Cd (II)** **Jaswant Singh,** Panjab University, India
15:30-15:45	**Title: Synthesis of coatings from nanocarbon fibers on sorption-inert surfaces** **Petr Ketov,** Perm National Research Polytechnic University, Russia

Poster Presentation from 15:45-16:30

APC-001	**Title: The crystallization kinetics of the MgO-Al_2O_3-SiO_2-TiO_2-Bi_2O_3 glass ceramics system produced from industrial waste** **Hüseyin Özkan Toplan,** Sakarya University, Turkey
APC-002	**Title: Generation of urinary steroid profiles in patients with adrenal tumors using gas chromatography–mass spectrometry** **Ludmila I Velikanova,** North-Western State Medical University named after I.I. Meechnikov, Russia
APC-003	**Title: Synthesis of new Coumaryl-3-carboxamide derivatives** **Mustafa Kucukislamoglu,** Sakarya University, Turkey
APC-004	**Title: Synthesis of sulfonamide compounds bearing thiazole ring** **Mustafa Arslan,** Sakarya University, Turkey
APC-005	**Title: Antibacterial activity of thiazolidine-4-carboxylic acid derivatives** **Mustafa Zengin,** Sakarya University, Turkey
APC-006	**Title: Work function based sensing of CO_2 using amine functionalized Fe_3O_4@SiO_2 core-shell nanoparticles at room temperature** **Nauman Bin Tanvir,** Albert Ludwigs University of Freiburg, Germany

Networking & Refreshment 16:30-16:50 @ Foyer

Awards & Closing Ceremony

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