## Keynote Forum

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:50-10:00</td>
<td>Introduction</td>
</tr>
</tbody>
</table>
| 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 |

### 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

### Panel Discussions 12:40-12:45

Lunch 12:50-13:50 @ CHURCHILL

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**08:30-09:30 Registrations**

**09:30-09:50 Opening Ceremony**

**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

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**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

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**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
Panel Discussions 16:10-16:15
Networking and Refreshment 16:20-16:40 @ Foyer

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

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 Ag₂O, Al₂O₃-MoO₃-Ag₂O)
Y. Walid Bizregh, 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

11:10-11:30
Title: Synthesis of hyperbranched polymers from vegetable oils via ozonolysis pathway
Dirk Kuckling, University of Paderborn, Germany

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

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

11:50-12:10
Title: Novel design of multi effect evaporator for high performance of desalination plants
Abdelnasser Mabrouk, Hamad Bin Khalifa University, Qatar

Title: Dechlorination of pesticides in water using Fe-Pd bimetallic nanoparticles on membrane composite
Jane Catherine Ngila, University of Johannesburg, South Africa
<table>
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<tr>
<td>13:50</td>
<td>Title: Production and applications of foamed materials from synthesized silicate glasses by hydrate gas-formation mechanism</td>
<td>Aleksandr Ketov, Perm National Research Polytechnic University, Russia</td>
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<td>14:10</td>
<td>Title: Excess molar Gibbs energies of heptan-2-one+ 1,4-dichlorobutane or 1,6-dichlorohexane.</td>
<td>O Tafat-Igoudijenê, University of Science and Technology Houari Boumediene, Algeria</td>
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<tr>
<td>14:30</td>
<td>Title: Electrochemical conversion of dinitrogen to ammonia induced by a metal complex–supported ionic liquid</td>
<td>Akira Katayama, Nagoya Institute of Technology, Japan</td>
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<td>14:45</td>
<td>Title: A tripod exhibiting colorimetric and OFF-ON-OFF fluorogenic response for some metallic species</td>
<td>Pawanpreet Kaur, DAV College, India</td>
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<td>15:00</td>
<td>Title: Regulation of open porosity and strength in ceramics based on electro corundum and porcelain binder</td>
<td>Zaw Ye Maw Oo, D Mendeleev University of Chemical Technology of Russia, Russia</td>
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<td>15:15</td>
<td>Title: Differential optical behavior of a Schiff base molecule towards some metallic species: A chemophore for Fe (III) and fluorophore for Zn (II) and Cd (II)</td>
<td>Jaswant Singh, Panjab University, India</td>
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<td>15:30</td>
<td>Title: Synthesis of coatings from nanocarbon fibers on sorption-inert surfaces</td>
<td>Petr Ketov, Perm National Research Polytechnic University, Russia</td>
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**Poster Presentation from 15:45-16:30**

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<tr>
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<tr>
<td>APC-001</td>
<td>Title: The crystallization kinetics of the MgO-Al_{2}O_{3}-SiO_{2}-TiO_{2}-Bi_{2}O_{3} glass ceramics system produced from industrial waste</td>
<td>Hüseyin Özkan Toplan, Sakarya University, Turkey</td>
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<tr>
<td>APC-002</td>
<td>Title: Generation of urinary steroid profiles in patients with adrenal tumors using gas chromatography–mass spectrometry</td>
<td>Ludmila I Velikanova, North-Western State Medical University named after I.I. Mechnikov, Russia</td>
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<tr>
<td>APC-003</td>
<td>Title: Synthesis of new Coumaryl-3-carboxamide derivatives</td>
<td>Mustafa Kucukislamoglu, Sakarya University, Turkey</td>
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<td>APC-004</td>
<td>Title: Synthesis of sulfonamide compounds bearing thiazole ring</td>
<td>Mustafa Arslan, Sakarya University, Turkey</td>
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<td>APC-005</td>
<td>Title: Antibacterial activity of thiazolidine-4-carboxylic acid derivatives</td>
<td>Mustafa Zengin, Sakarya University, Turkey</td>
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<td>APC-006</td>
<td>Title: Work function based sensing of CO\textsubscript{2} using amine functionalized Fe\textsubscript{3}O\textsubscript{4}@SiO\textsubscript{2} core-shell nanoparticles at room temperature</td>
<td>Nauman Bin Tanvir, Albert Ludwigs University of Freiburg, Germany</td>
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**Networking & Refreshment 16:30-16:50 @ Foyer**

**Awards & Closing Ceremony**