3rd International Conference on

PAST AND PRESENT RESEARCH SYSTEMS OF GREEN CHEMISTRY

September 19-21, 2016   Las Vegas, USA
### Keynote Forum

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:55-10:00</td>
<td>Introduction</td>
</tr>
</tbody>
</table>
| 10:00-10:25 | Title: The terawatt photovoltaic energy challenge: Status, recent advances and materials by design  
William Tumas, National Renewable Energy Laboratory, USA |
| 10:25-10:50 | Title: Green materials—which are really green?  
David A Schiraldi, Case Western Reserve University, USA |
| 10:50-11:15 | Title: Fluorinated organic compound and green sustainability  
Yoshitomi Morizawa, Asahi Glass Co., Ltd., Japan |

**Networking and Refreshments Break 11:15-11:30 @ Foyer**

### Session:

- Green Catalysis
- Green Synthesis and Designing
- Organic Synthesis
- Industrial Applications of Green Chemistry
- Green Nanotechnology

**Session Chair:** David A Schiraldi, Case Western Reserve University, USA

**Session Chair:** William Tumas, National Renewable Energy Laboratory, USA

**Session:**

- 11:30-11:50: Title: Using nature to flame retard polyolefins  
  David A Schiraldi, Case Western Reserve University, USA

- 11:50-12:10: Title: Environmentally benign organohalogen chemistry in Asahi Glass  
  Yoshitomi Morizawa, Asahi Glass Co., Ltd., Japan

- 12:10-12:30: Title: Modern green chemistry considerations in synthetic medicinal chemistry  
  Andrew C Flick, Pfizer Global Research and Development, USA

- 12:30-12:50: Title: An efficient and versatile method for synthesis of 1,4-dihydropridines at mild reaction conditions  
  Sharda Goel, Maharshi Dayanand University, India

- 12:50-13:10: Title: New approaches for green and cost-effective metal catalysis  
  Brindaban C Ranu, Indian Association for the Cultivation of Science, India

**Lunch Break 13:10-13:50 @ Atrium**

**13:50-14:10:** Title: Applications of nanoclays in diagnostic microbiology  
Claudio Rodriguez Martinez, National Center of Biological Products, Cuba

**14:10-14:30:** Title: Environmental assessment of different synthetic strategies towards engineered oxide nanomaterials  
Roberto Rosa, University of Modena and Reggio Emilia, Italy

**14:30-14:50:** Title: Recent progress in catalytic aromatic trifluoromethylation  
Hideki Amii, Gunma University, Japan

**14:50-15:10:** Title: Micellar catalysis for green chemistry: An approach to enhance reaction rate and product selectivity  
Manish Mishra, Dharmsinh Desai University, India

**15:10-15:30:** Title: Inducible promoter-based biosensor: A potential tool for high throughput screening of lignin-degrading enzyme library  
Barindra Sana, Agency for Science Technology and Research (A*STAR), Singapore

**15:30-15:50:** Title: Ru/La$_2$O$_3$-ZnO as catalyst for the selective hydrogenation of benzene in a difficult four-phase system (G/L/L/S)  
Hendrik Spod, Technische Universität Darmstadt, Germany

**15:50-16:10:** Title: Mechanistic investigation inspired economic synthesis of pyrrole derivatives  
Jingping Zhang, Northeast Normal University, China

**Networking and Refreshments Break 16:10-16:25 @ Foyer**
Title: Multicore metal catalysts effective for suzuki-heck couplings in water
Murat Emre Hanhan, Bulent Ecevit University, Turkey

Title: Heterogeneous base catalyzed depolymerization of lignin into aromatic monomers
Richa Km, CSIR-National Chemical Laboratory, India

Title: Synthesis, characterization and antibacterial activity of silver nanoparticles using Acacia senegal leaf extract
Edwina Uzunugbe, University of Zululand, South Africa

Panel Discussion 17:25-18:00

Day 2  September 20, 2016
Flamingo 1

Keynote Forum

9:30-09:55
Title: Importance of soft processing (=Low-Energy Production) of advanced inorganic materials for sustainable society
Masahiro Yoshimura, National Cheng Kung University, Taiwan

09:55-10:20
Title: Catalysis-Key to a sustainable future
Lakshmi Kantam MannePalli, Institute of Chemical Technology, India

Session: Green Chemistry Applications | Analytical Methodologies | Green Materials and Marketing

Session Chair: Yoshitomi Morizawa, Asahi Glass Co., Ltd., Japan
Session Chair: Febee R Louka, University of Louisiana, USA

10:20-10:40
Title: Investigating the efficiency of economical adsorbents in removal of polycyclic aromatic hydrocarbons
Febee R Louka, University of Louisiana, USA

10:40-11:00
Title: An environmentally friendly procedure to quantify and localize cedrelone in spodoptera frugiperda after feeding with this limonoid
Maria Fátima das Graças Fernandes da Silva, Federal University of São Carlos, Brazil

Networking and Refreshments Break 11:00-11:15 @ Foyer

11:15-11:35
Title: Biorefineries for valorization of food and agricultural residues using advanced technologies
Mauricio Rostagno, University of Campinas (UNICAMP), Brazil

11:35-11:55
Title: Emerging green analytical tools for food quality and safety
Quansheng Chen, Jiangsu University, China

11:55-12:15
Title: Green Chemistry - Not a solution but the most fundamental approach to prevent pollution
Sridevi Chigurupati, AIMST University, Malaysia

12:15-12:35
Title: Design and development of catalysts for the synthesis of fine chemicals
Lakshmi Kantam MannePalli, Institute of Chemical Technology, India

12:35-12:55
Title: Computational studies of catalytic reactions in various platforms: From organic reactions to metal-organic frameworks
Hajime Hirao, Nanyang Technological University, Singapore

Lunch Break 12:55-13:40 @ Atrium

Workshop By

13:40-14:40
Andrew C Flick, Pfizer Global Research and Development, USA

Title: Genetically modified Bacillus subtilis bacterial strain for self-healing and sustainable green bio-concrete material

14:40-15:00
Brajadulal Chattopadhyay, Jadavpur University, India

Title: Dual-color bioconjugated upconversion fluorescent probes for simultaneous sensing two foodborne pathogenic bacteria

15:00-15:20
Huanhuan Li, Jiangsu University, China

Title: Development of on-line detection system for simultaneous assessment of edible quality and internal defect in apple by NIR transmittance spectroscopy

15:20-15:40
Zhiming Guo, Jiangsu University, China
Title: Direct-writing of paper based electrodes using silver nano-ink for electrochemical application: A greener approach
Kamlesh Shrivas, Guru Ghasidas Vishwavidyalaya, India

Networking and Refreshments Break 16:00-16:15 @ Foyer

Title: Kolanutpod husk: A potential biosorbent for Cd$^{2+}$, Ni$^{2+}$ and Pb$^{2+}$
F U Okwunodulu, Ahmadu Bello University Zaria, Nigeria

Poster Presentations 16:00-17:00 @ Atrium

IGCC-001 Title: Study of subcritical water hydrolysis of green coffee powder to ethanol second generation
Forster Carneiro Tania, University of Campinas, Brazil

IGCC-002 Title: Solvent free synthesis of polyhydroquinolines: A green chemistry aspect
Vijender Goel, Maharshi Dayanand University, India

IGCC-003 Title: Multi-response optimization based on Response Surface Methodology (RSM) and desirability function for the separation of Lutein and Chlorophyll from spinach by-products by a saponification procedure
Maelle Derrien, Université Laval, Canada

IGCC-004 Title: Preparing Ag/Al$_2$O$_3$ catalyst with AlN addition to improve the low temperature reduction activity of NOx by ethanol
Hua Deng, Institute of Urban Environment, Chinese Academy of Sciences, China

IGCC-005 Title: [DBU-H$^+$] + H$_2$O as effective catalyst form for 2,3-dihydropyrido[2,3-d]pyrimidin-4(1H)-ones: A DFT Study
Haiyan Yuan, Northeast Normal University, China

IGCC-006 Title: Design, synthesis and antibacterial studies 3-methlyquinoxaline-2-hydrazone derivatives
Taiwo Festus Osho, Obafemi Awolowo University, Nigeria

IGCC-007 Title: Photocatalytic reduction of CO$_2$ by (Cu/ZnO)@C yolk-shell nanoreactors
H Paul Wang, National Cheng Kung University, Taiwan

IGCC-008 Title: Improvement of H$_2$O and SO$_2$ tolerance of Nb-modified VOx/CeO$_2$ catalysts for NH$_3$-SCR at low temperatures
Zhihua Lian, Institute of Urban Environment, Chinese Academy of Sciences, China

IGCC-009 Title: Fabrication of reusable magnetic multi-wall carbon nanotube-TiO$_2$ nanocomposite by electrostatic adsorption
Ghazale Daneshvar Tarigh, University of Tehran, Iran

IGCC-010 Title: Characterization and thermal properties of 2-thiocoumarin, NLO single crystal
K Sambathkumar, A A Govt Arts College, India

IGCC-011 Title: Zirconyl chloride catalysed synthesis of 2,2'-arylmethylene bis(3-hydroxy-5,5-dimethyl-2-cyclohexene-1-ones) under green chemistry conditions
Anju bajwan, Maharshi Dayanand University, India
Title: Instrumental evaluation of Chinese rice wine sensory attributes using near infrared spectroscopy combined with multivariate calibration
Qin Ouyang, Jiangsu University, China

Title: Optimization of a supercritical fluid extraction of Lutein and Chlorophyll from spinach by-products using Response Surface Methodology
Maelle Derrien, Université Laval, Canada

Title: Characterization of biodiesel (b100) produced from neat and waste animal fry vegetable oil, ethanol, standard and ripe plantain peel potassium hydroxide
Abayomi Taiwo, Moshood Abiola Polytechnic, Nigeria

Title: Power generation from microbial fuel cell using Comamonas sp. BT UA and Pseudomonas sp. BT 302
Priyabrata Sarkar, University of Calcutta, India

Title: Green synthesis of cinnamyl adipate using enzyme as a catalyst
Virendra K Rathod, Institute of Chemical Technology, India

Title: Biofuel cells based on glucose electrooxidation at conducting polymer modified electrodes with palladium and platinum nanoparticles
Ziad Khalifa, The British University, Egypt

Title: Extracellular bio-mimetic green synthesis of multi-applicative silver nanoparticles using Nicotiana tabacum leaf extract
Neeraj R Prasad, Shivaji University, India

Lunch Break 13:05-13:50 @ Atrium

B2B Meetings & Award Ceremony

Bookmark Your Dates

4th International Conference on Past and Present Research Systems of Green Chemistry
October 16-18, 2017 Atlanta, USA

Website: www.greenchemistry.conferenceseries.com
E-mail: greenchemistry@conferenceseries.com; greenchemistry@conferenceseries.net