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3rd International Conference on

Past and Present Research Systems of Green Chemistry

September 19-21, 2016 Las Vegas, USA



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Day 1 September 19, 2016

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

Flamingo 1

conferenceseries.com **09:30-09:55** **Opening Ceremony**

Keynote Forum

09:55-10:00 **Introduction**

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 Introduction

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

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

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 Rodríguez Martínez, 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_2O_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

16:25-16:45	**Titile: Multicore metal catalysts effective for suzuki-heck couplings in water** **Murat Emre Hanhan,** Bulent Ecevit University, Turkey
16:45-17:05	**Title: Heterogeneous base catalyzed depolymerization of lignin into aromatic monomers** **Richa Km,** CSIR-National Chemical Laboratory, India
17:05-17:25	**Title: Synthesis, characterization and antibacterial activity of silver nanoparticles using *Acacia senegal* leaf extract** **Edwina Uzunuigbe,** University of Zululand, South Africa

Panel Discussion 17:25-18:00

Day 2 September 20, 2016

Flamingo 1

Keynote Forum

09:30-09:55	**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: Catalytis-Key to a sustainable future** **Lakshmi Kantam Mannepalli,** Institute of Chemical Technology, India

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

Session Introduction

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 cyclic 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

13:40-14:40	**Workshop By** **Andrew C Flick,** Pfizer Global Research and Development, USA
14:40-15:00	**Title: Genetically modified *Bacillus subtilis* bacterial strain for self-healing and sustainable green bio-concrete material** **Brajadulal Chattopadhyay,** Jadavpur University, India
15:00-15:20	**Title: Dual-color bioconjugated upconversion fluorescent probes for simultaneous sensing two foodborne pathogenic bacteria** **Huanhuan Li,** Jiangsu University, China
15:20-15:40	**Title: Development of on-line detection system for simultaneous assessment of edible quality and internal defect in apple by NIR transmittance spectroscopy** **Zhiming Guo,** Jiangsu University, China

15:40-16:00	**Title: Direct-writing of paper based elctrodes using silver nano-ink for eletrochemical application: A greener aproach** **Kamlesh Shrivas**, Guru Ghasidas Vishwavidyalaya, India
	Networking and Refreshments Break 16:00-16:15 @ Foyer
16:15-16:35	**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_2O_3 catalyst with AlN addition to improve the low temperature reduciton activity of NOx by ethanol** **Hua Deng**, Institute of Urban Environment, Chinese Academy of Sciences, China
IGCC-005	**Title: $[DBU-H]^+$ and H_2O 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_2O 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

Day 3 September 21, 2016

Flamingo 1

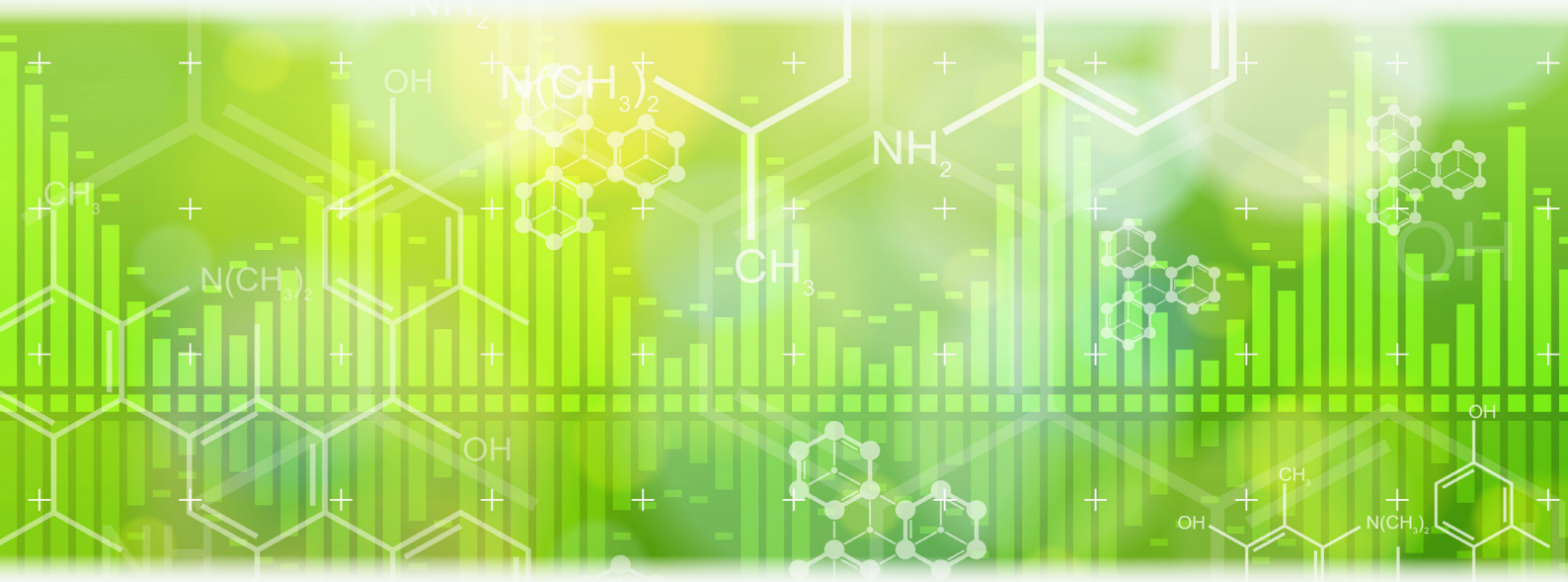
Session:
New Trends in Green Chemistry | Green Chemical Solvents | Green Metrics and Measurements
Sustainability and Environmental Safety | Green Chemistry and Engineering

Session Introduction

Session Chair: Andrew C Flick, Pfizer Global Research and Development, USA
Session Chair: Kavita Shah, Banaras Hindu University, India

09:30-09:50	**Title: Putting plant residue in use for dopamine estimation in human biofluids: A green technology** **Kavita Shah**, Banaras Hindu University, India
09:50-10:10	**Title: Potential efficacy of nano-curcumin against nicotine toxicated mammalian proteins** **Krishna Chattopadhyay**, Jadavpur University, India
10:10-10:30	**Title: Synthesis of TGA capped CdTe quantum dots as luminescent probe for carbazochrome sodium sulfonate determination** **Yanhua Liu**, China Pharmaceutical University, China

10:30-10:50	**Title: Instrumental evaluation of Chinese rice wine sensory attributes using near infrared spectroscopy combined with multivariate calibration** **Qin Ouyang**, Jiangsu University, China
10:50-11:10	**Title: Optimization of a supercritical fluid extraction of Lutein and Chlorophyll from spinach by-products using Response Surface Methodology** **Maelle Derrien**, Université Laval, Canada
	Networking and Refreshments Break 11:10-11:25 @ Foyer
11:25-11:45	**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
11:45-12:05	**Title: Power generation from microbial fuel cell using *Comamonas sp.* BT UA and *Pseudomonas sp.* BT 302** **Priyabrata Sarkar**, University of Calcutta, India
12:05-12:25	**Title: Green synthesis of cinnamyl adipate using enzyme as a catalyst** **Virendra K Rathod**, Institute of Chemical Technology, India
12:25-12:45	**Title: Biofuel cells based on glucose electrooxidation at conducting polymer modified electrodes with palladium and platinum nanoparticles** **Ziad Khalifa**, The British University, Egypt
12:45:13:05	**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



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