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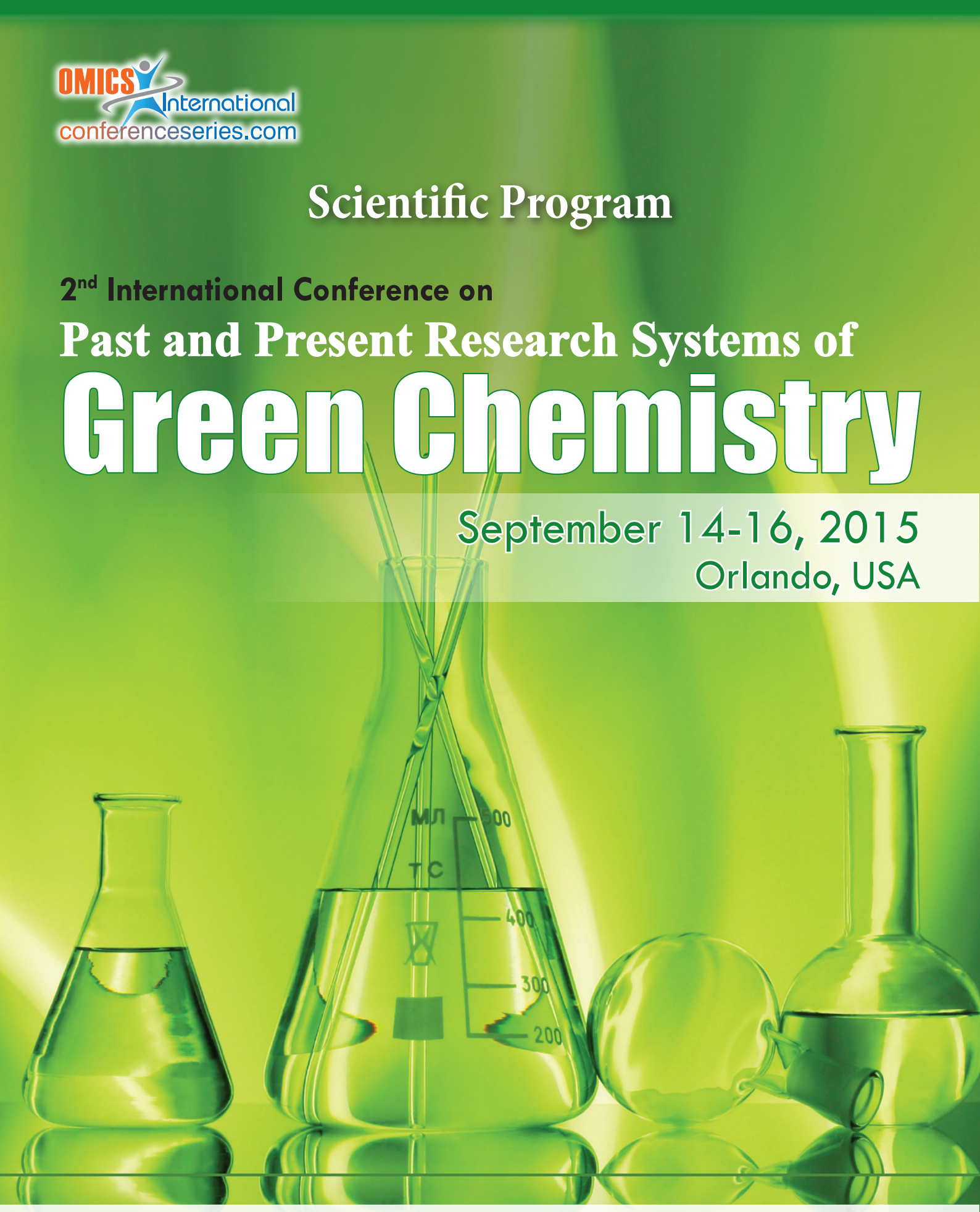
Scientific Program

2nd International Conference on

Past and Present Research Systems of

Green Chemistry

September 14-16, 2015
Orlando, USA



OMICS International Conferences

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Scientific Program

Day 1 **September 14, 2015**

Continental Ballroom 6-8

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08:30-08:55 **Opening Ceremony**

Keynote Forum

08:55-09:00	**Introduction**
09:00-09:25	**John Littleton** University of Kentucky, USA
09:25-09:50	**Lothar Brecker** University of Vienna, Austria

Special Session

09:50-10:35	**Green Chemistry: An opportunity for growth and competitive advantage** **John C Warner,** Warner Babcock Institute for Green Chemistry, USA

Networking & Refreshment Break 10:35-10:50 @ Foyer

Track 1: Basic Principles and New Trends in Green Chemistry
Track 3: Green Synthesis-Designing the Starting Materials
Track 4: Green Catalysis
Track 6: Green Metrics and Measurements

Session Chair: Joseph M Fortunak, Howard University, USA
Session Co-Chair: Dequan Xiao, University of New Haven, USA

Session Introduction

10:50-11:10	**Green pharmaceutical chemistry: Target-directed evolution of plant secondary metabolism** **John Littleton,** University of Kentucky, USA
11:10-11:30	**Transition metal catalysis for non-directed C-H functionalization** **Marion Heidi Emmert,** Worcester Polytechnic Institute, USA
11:30-11:50	**Green chemistry and global access to medicines: New chemistry for access to HIV, Malaria, and Hepatitis medicines** **Joseph M Fortunak,** Howard University, USA
11:50-12:10	**Rapid catalyst screening using a high pressure, Tandem micro-reactor GC/MS** **Bob Freeman,** Frontier Laboratories Ltd., Japan
12:10-12:30	**Green chemistry in higher education** **Amy S Cannon,** Beyond Benign, USA
12:30-12:50	**Recent developments of the fixation of atmospheric co_2 by transition metals and lanthanide complexes** **Salah S Massoud,** University of Louisiana at Lafayette, USA

Lunch Break 12:50-13:30 @ Continental Ballroom 2-4

13:30-13:50	**Exploring the mildest thermodynamic conditions for the inverse design of hydrogenation catalysts** **Dequan Xiao,** University of New Haven, USA
13:50-14:10	**Efficient cubane catalysts for artificial water-splitting** **Sandra Luber,** University of Zurich, Switzerland
14:10-14:30	**SnO_2-PbS nanocomposites and hetero structures: Fabrication, structures and applications** **Arik Kar,** University of Cambridge, UK
14:30-14:50	**The contribution of photochemistry and photocatalysis to Green Chemistry** **Angelo Albini,** University of Pavia, Italy
14:50-15:10	**Practical catalytic hydrogenation** **Xumu Zhang,** The State University of New Jersey, USA

15:10-15:30	**Asymmetric heterogeneous catalysts based on copper(II) complexes with bis(oxazoline) ligands**
	Ana Rosa Silva, Aveiro University, Portugal
15:30-15:50	**Green chemistry in niche applications: Development of "green" photoresists**
	Frank Wiesbrock, Polymer Competence Center Leoben, Austria
	Networking & Refreshment Break 15:50-16:05 @ Foyer
16:05-16:25	**Pulicaria glutinosa plant extract: A green and ecofriendly reducing agent for the preparation of highly reduced graphene oxide**
	Abdulrahman Al-Warthan, King Saud University, KSA
16:25-16:45	**Leaf extract mediated Green synthesis of silver nanoparticles from *Phyllanthus amarus*: As an antibacterial agent against wide range of microbes**
	Jaya Parkash Yadav, M.D. University, India
16:45-17:05	**Biogenic preparation of ZnO nanoparticles reduced from *Ocimum tenuiflorum* and their antioxidant activity**
	B Deva Prasad Raju, Sri Venkateswara University, India
17:05-17:25	**Facile and eco-friendly method for the synthesis of magnesium oxide nanoparticles and their antioxidant properties**
	Nannepaga John Sushma, Sri Padmavati Women's University, India
17:25-17:45	**Green synthesis of Ag, Au and Au-Ag bimetallic nanoparticles using C. albidum for catalytic application in electro-oxidation of methanol**
	Kehinde Oluseun Sodeinde, Federal University Oye-Ekiti, Nigeria
17:45-18:05	**Synthesis, antibacterial, cytotoxicity and sensing properties of biopolymer -capped silver nanoparticles**
	Samuel Oluwatobi Oluwafemi, University of Johannesburg, South Africa
18:05-18:25	**Suzuki-Miyaura Cross coupling reactions in water: New hydrophilic ligand scaffolds from Pincer compounds to cocoa beans**
	David Morales-Morales, Instituto de Quimica, Mexico
	Panel Discussions

Day 2 September15, 2015

Continental Ballroom 6-8

Keynote Forum

09:00-09:25 **Mahdi M Abu-Omar**
Purdue University, USA

09:25-09:50 **Craig L Hill**
Emory University, USA

Track 2: Green Chemistry-Chemical Applications from Laboratories to Industries
Track 8: Organic Synthesis in Different States
Track 10: Analytical Methodologies
Track 11: Sustainability and Environmental Safety

Session Chair: Mahdi M Abu-Omar, Purdue University, USA

Session Co-Chair: Miguel Yus, University of Alicante, Spain

Session Introduction

09:50-10:10	**Sustainability through catalysis: Making biofuels and chemicals from biomass**
	Mahdi M Abu-Omar, Purdue University, USA
10:10-10:30	**Natural products as active agents: On the border between sustainable application and risky use**
	Lothar Brecker, University of Vienna, Austria
10:30-10:50	**Comparing the effect of ecofriendly adsorbents and bioturbators on the concentration pyrene**
	Febee Louka, University of Louisiana, USA
	Networking & Refreshment Break 10:50-11:05 @ Foyer
11:05-11:25	**Green fuel: Selective and water compatible catalysts for solar fuel production**
	Craig L Hill, Emory University, USA
11:25-11:45	**Atom-economical and sustainable C-N bond formation reactions from alcohols and N-Sources via catalytic hydrogen transfer reactions**
	Soon H Hong, Seoul National University, South Korea
11:45-12:05	**Atom and step economy in synthetic organic chemistry**
	Miguel Yus, University of Alicante, Spain

12:05-12:25	**Organolithium chemistry using flow microreactors to Green Chemistry**
	Aiichiro Nagaki, Kyoto University, Japan
12:25-12:45	**New versatile nanostructured catalysts: From green preparation to environmentally concerned challenges**
	Capucine Sassoye, UPMC University, France
12:45-13:05	**Sustainable development of infrastructure for electric vehicles**
	Jennifer L Anthony, Kansas State University, USA
Lunch Break 13:05-13:45 @ Continental Ballroom 2-4	
13:45-14:05	**Green capillary electrophoretic stacking of analytes by ionic liquid collapse and its application coupled with ionic liquid based ultrasound assisted liquid extraction to acrylamides determination**
	Deia Abd El-Hady, University of Jeddah, KSA
14:05-14:25	**Kinetic and thermodynamic profile of solifenacin succinate sorption from wastewater by humic acid-coated TiO_2 nanoparticles: An Approach towards Green Chemistry**
	Medhat A Shaker, University of Jeddah, KSA
14:25-14:45	**De-polymerization of sugarcane bagasse lignin to value added products in sub and supercritical water**
	Sunil Joshi, National Chemical Laboratory, India
14:45-15:05	**Towards sustainable surface processing and products through green chemistry and engineering**
	Kwang-Leong Choy, University College of London, UK
15:05-15:25	**Triazole stabilized transition metal nanoparticles for 4-Nitrophenol reduction**
	Pengxiang Zhao, China Academy of Enginnering Physics, China
15:25-15:45	**Nanocatalysis and continuous-flow processing: Towards greener and more sustainable chemistry**
	Mostafa Baghbanzadeh, Harvard University, USA
Networking & Refreshment Break 15:45-16:00 @ Foyer	
16:00-16:20	**The study of trace elements uptake by plants from contaminated waters**
	Olga V Shuvaeva, Novosibirsk State University, Russia
16:20-16:40	**Gelatin wastes for better plant growth**
	Nabil H Elsayed Khamis, National Research Center, Egypt
16:40-17:00	**Improvements to the biorefinery model through lignin valorization**
	Ian Klein, Spero Energy, Inc., USA
17:00-17:20	**Detection of human osteosarcoma cell (MG-63) and evaluation of the cytotoxicity of cisplatin using the TiO_2 nanotubes modified wireless magnetoelastic sensing device**
	Xilin Xiao, University of South China, China
17:20-17:40	**Fabrication of miniaturized capillary waveguide integrated fiber-optic sensor for fluoride determination in water**
	Yan Xiong, Southwest Petroleum University, China
14:00-16:00 Poster Presentations @ Continental Ballroom 1-3	

Day 3 September 16, 2015

Continental Ballroom 6-8

Track 5: Green Chemical Solvents
Track 7: New Ideas for Non Toxic By-Products
Track 9: Industrial Applications of Green Chemistry
Track 12: Green Chemistry and Engineering

Session Chair: Feng Xu, Merck Research Laboratories, USA

Session Co-Chair: Carmen Najera, University of Alicante, Spain

Session Co-Chair: Abel E Navarro, Borough of Manhattan Community College, USA

Session Introduction

09:00-09:20	**Green by design for process evolution: Asymmetric syntheses of vibegron**
	Feng Xu, Merck Research Laboratories, USA
09:20-09:40	**Bioremediation of pollutants from pharmaceutical residual waters with marine algae and derivatives**
	Abel E Navarro, Borough of Manhattan Community College, USA
Workshop By	
09:40-10:25	**Greener Fenton processes for removal of persistent organic pollutants from wastewaters**
	Andreja Zgajnar Gotvajn, University of Ljubljana, Slovenia
Networking & Refreshment Break 10:25-10:40 @ Foyer	
10:40-11:00	**Novel lignocellulosic hydrolysate detoxification using pyrochar from digestate: Application for bioethanol fermentation**
	Monlau Florian, INRA UMR IATE, France

11:00-11:20	**Thermo-chemical pretreatments for the combined recovery of extractives and bioethanol production from Douglas-fir bark**
	Cecilia Sambusiti, INRA UMR IATE, France
11:20-11:40	**Environmental impact assessment and bio-treatability potential of deep eutectic solvent based on holing chloride**
	Andreja Zgajnar Gotvajn, University of Ljubljana, Slovenian
11:40-12:00	**SA Metrics-comparative sustainability metrics for biomass and petrochemical succinic acid production and its catalytic Valorization into ϒ-Butyrolactone**
	Marcelo E Domine, The Institute of Chemical Technology (ITQ), Spain
12:00-12:20	**Cross-coupling reactions in aqueous media**
	Carmen Najera, University of Alicante, Spain
12:20-12:40	**Atom economic synthesis of amides**
	Diego Gamba Sánchez, Universidad de los Andes, Colombia
12:40-13:00	**Production of biofuels and biobased compounds in urban biorefineries: A new paradigm for green chemistry?**
	Aurore Richel, University of Liege – Gembloux Agro-Bio Tech, Belgium
	Lunch Break 13:00-13:40 @ Continental Ballroom 2-4
13:40-14:00	**Alternative ionic liquid-based Lignocellulosic biomass pre-treatment and fractionation towards progress in biorefinery**
	Ewa Bogel-Łukasik, Universidade Nova de Lisboa, Portugal
14:00-14:20	**Thermodynamics and topological investigations of ternary mixtures containing ionic liquid with organic solvents: Excess molar volumes and excess isentropic compressibilities**
	Vinod Kumar Sharma, M D University, India
14:20-14:40	**Industrial enzymes used to build green technology for Pre-treatment of textile dyeing**
	Hui Song, Chinese Academy of Sciences, China
14:40-15:00	**Green chemistry as a tool to prevent pharmaceutical hazards and pollution**
	Gannu Praveen Kumar, Sahasra Institute of Pharmaceutical Sciences, India
15:00-15:20	**Chromate and arsenate removal by layered double hydroxides-polymer beads**
	Nguyen Thi Kim Phuong, Institute of Chemical Technology, Vietnam
15:20-15:40	**Shaped carbon nanomaterial supports based heterogeneous catalytic systems for various green routes of chemical synthesis**
	Vilas M Ravat, Reliance Industries Limited, India
	Young Researchers Forum
15:40-15:55	**Conversion of cellulose and lignocellulosic based feedstock over heterogeneous catalysts into liquid polyols**
	Katarina Fabicovicova, University of Technology Darmstadt, Germany
15:55-16:10	**From batch to continuous conversion of bio-derived platform chemicals: Aqueous phase hydrogenolysis of furfuryl alcohol into 1,2-pentanediol using a trickle bed reactor**
	Dominik Gotz, Technical University Darmstadt, Germany
16:10-16:25	**Selective extraction and separation of platinum group metals from chloride media using phosphonium based ionic liquid**
	Viet Tu Nguyen, Korea University of Science and Technology, Korea
16:25-16:40	**A truly green synthesis of α-aminonitriles via Strecker reaction**
	Juliana M Velazquez, University of Texas Pan American, USA
	Award Ceremony
	Networking & Refreshment Break 16:40-17:00 @ Foyer

Bookmark your dates

3rd International Conference on

Past and Present Research Systems of Green Chemistry

September 19-21, 2016 Las Vegas, USA

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