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Tentative Program

4th International Conference on

Past and Present Research Systems of Green Chemistry

October 16-18, 2017 Atlanta, Georgia, USA

Theme: "Advances in Continuous Green Chemistry: Back to the Future"



For Available Speaker Slots

greenchemistry@chemistryconference.org

19+ Interactive Sessions

15+ Keynote Lectures

75+ Plenary Lectures

5+ Workshops

Conference Secretariat

Hilton Atlanta Airport

Address: 1031 Virginia Ave, Atlanta, GA 30354, USA

Phone:+1 404-767-9000

http://greenchemistry@chemistryconference.org

Tentative Program

4th International Conference on Green Chemistry

October 16-18, 2017 Atlanta, Georgia, USA

Program at a Glance

Day 1

Morning Sessions	Reception/Registration	08.00-09.00	
		Time	General Session
	Least of 3 Keynote/Plenary Talks	09.00-09.15	Inaugural Address
		09.15-09.45	Keynote/Plenary Talk 1
		09.45-10.15	Keynote/Plenary Talk 2
		10.15-10.45	Keynote/Plenary Talk 3
	Panel Discussions/Group Photo		
	Coffee/Tea Break 10.45-11.00 (Networking)		
Evening Sessions	11.00-12.40	5 Speakers (20 Mins Each)	
	Lunch Break 12.40-13.30		
	13.30-15.30	6 Speakers (20 Mins Each)	
	Coffee/Tea Break 15.30-15.45 (Networking)		
	15.45-17.25	5 Speakers (20 Mins Each)	

19 Speakers for Day 1

Day 2

	Time	Session 1	Session 2
Morning Sessions	09.00-10.40	5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
	Coffee/Tea Break 10.40-10.55 (Networking)		
	10.55-12.35	5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
	Lunch Break 12.35-13.25		
Evening Sessi	13.25-15.05	5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
	Poster Sessions		
	Coffee/Tea Break 15.05-15.20 (Networking)		
	15.20-17.00	5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)

40 Speakers on Day 2

Day 3

	Time	Session 1	Session 2
Morning Sessions	09.00-10.40	5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
	Coffee/Tea Break 10.40-10.55 (Networking)		
	10.55-12.35	5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
	Lunch Break 12.35-13.25		
	13.25-15.05	5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
Evening Sessions	Poster Sessions		
	Coffee/Tea Break 15.05-15.20 (Networking)		
	15.20-17.00	5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
	Closing Ceremony		

40 Speakers on Day 3

NOTE: Program Schedule is subject to change with final allotment of the speaker slots

For more Details PS: http://greenchemistry.conferenceseries.com/

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Glimpses of Green Chemistry Conferences





















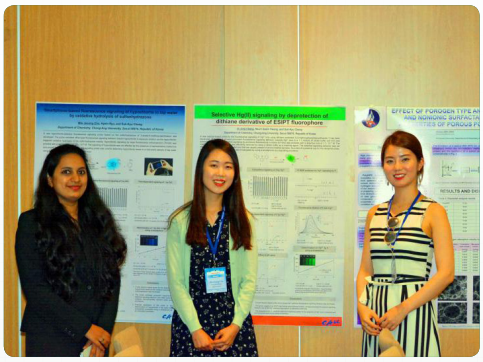




Glimpses of Green Chemistry Conferences













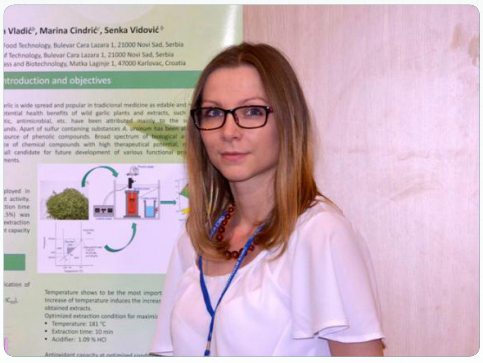












Major Scientific Sessions

- Green Catalysis
- Green Chemistry Applications
- Green Synthesis and Designing
- New Trends in Green Chemistry
- Green Chemical Solvents
- Green Metrics and Measurements
- Solar Energy in Action
- Organic Synthesis
- Industrial Applications of Green Chemistry
- Analytical Methodologies
- Sustainability and Environmental Safety
- Green Chemistry and Engineering
- Waste Management Strategies
- Green Materials and Marketing
- Entrepreneurs Investment Meet

Best Poster Award

- You will be given about 5-7 minutes to present your poster including questions and answers. Judges may pose questions during the evaluation of the poster
- Judges will even evaluate the student's enthusiasm towards their study, interest and knowledge in the area of their research
- The winners will be announced at the closing ceremony of the conference. The decision of the winner will be withdrawn if the winner/winners is/are not present at the time of announcement



- Apart from the judging time you may also be present at the poster to share your research with interested delegates



Young Researchers Forum

- Present your research through oral presentations
- Learn about career development and the latest research tools and technologies in your field
- This forum will give pertinent and timely information to those who conduct research and those who use and benefit from research
- Develop a foundation for collaboration among young researchers
- The forum will provide an opportunity for collegial interaction with other young investigators and established senior investigators across the globe
- Interact and share ideas with both peers and mentors

General Queries

greenchemistry@chemistryconference.org

Conference Venue

Atlanta, Georgia, USA

Contact us
America: Conference Series LLC
Green Chemistry 2017
2360 Corporate Circle., Suite 400 Henderson,
NV 89074-7722, USA
Phone: +1-888-843-8169, Fax: +1-650-618-1417,
Toll free: +1-800-216-6499
Email: greenchemistry@chemistryconference.org

Contact us
UK: Conference Series LLC
Green Chemistry 2017
Heathrow Stockley Park Lakeside House
1 Furzeground Way, Heathrow
UB11 1BD, UK
Tel: +1-800-216-6499
Email: greenchemistry@conferenceseries.net

Contact us
Asia-Pacific: Conference Series LLC
Green Chemistry 2017
Divyasree Building, Raidurg
6th Floor, North Block
Hyderabad 500032, INDIA
Tel: 040-33432309
Email: greenchemistry@chemistryconference.org



Best Tourist Destinations in Atlanta, Georgia



Centennial Olympic Park



Church of the Sacred Heart of Jesus



Millennium Gate Museum



Fernbank Museum Of Natural History



Georgia Aquarium



Six Flags Over Georgia



SkyView Atlanta



Zoo Atlanta

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Scientific Program

3rd International Conference on

Past and Present Research Systems of Green Chemistry

September 19-21, 2016 Las Vegas, USA



Hosting Organizations: Conference Series LLC
2360 Corporate Circle., Suite 400 Henderson, NV 89074-7722, USA
Ph: +1-702-508-5200, Fax: +1-650-618-1417, Toll free: +1-800-216-6499
Conference Series Ltd
Heathrow Stockley Park Lakeside House, 1 Furzeground Way, Heathrow, UB11 1BD, UK, Tel: +1-800-216-6499
Email: greenchemistry@conferenceseries.net; greenchemistry@conferenceseries.com

Day 1 September 19, 2016

Registrations

Flamingo 1

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

Keynote Forum

Introduction

Title: The terawatt photovoltaic energy challenge: Status, recent advances and materials by design
William Tumas, National Renewable Energy Laboratory, USA
Title: Green materials-which are really green?
David A Schiraldi, Case Western Reserve University, USA
Title: Fluorinated organic compound and green sustainability
Yoshitomi Morizawa, Asahi Glass Co., Ltd., Japan

Networking and Refreshments Break @ 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

Title: Using nature to flame retard polyolefins
David A Schiraldi, Case Western Reserve University, USA
Title: Environmentally benign organohalogen chemistry in Asahi Glass
Yoshitomi Morizawa, Asahi Glass Co., Ltd., Japan
Title: Modern green chemistry considerations in synthetic medicinal chemistry
Andrew C Flick, Pfizer Global Research and Development, USA
Title: An efficient and versatile method for synthesis of 1,4-dihydropridines at mild reaction conditions
Sharda Goel, Maharshi Dayanand University, India
Title: New approaches for green and cost-effective metal catalysis
Brindaban C Ranu, Indian Association for the Cultivation of Science, India

Lunch Break @ Atrium

Title: Applications of nanoclays in diagnostic microbiology
Claudio Rodríguez Martínez, National Center of Biological Products, Cuba
Title: Environmental assessment of different synthetic strategies towards engineered oxide nanomaterials
Roberto Rosa, University of Modena and Reggio Emilia, Italy
Title: Recent progress in catalytic aromatic trifluoromethylation
Hideki Amii, Gunma University, Japan
Title: Micellar catalysis for green chemistry: An approach to enhance reaction rate and product selectivity
Manish Mishra, Dharmsinh Desai University, India
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
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
Title: Mechanistic investigation inspired economic synthesis of pyrrole derivatives
Jingping Zhang, Northeast Normal University, China

Networking and Refreshments Break @ Foyer

Titile: 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 Uzunuigbe, University of Zululand, South Africa

Panel Discussion

Flamingo 1

Keynote Forum

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

Title: Investigating the efficiency of economical adsorbents in removal of polycyclic cyclic aromatic hydrocarbons
Febee R Louka, University of Louisiana, USA
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 @ Foyer

Title: Biorefineries for valorization of food and agricultural residues using advanced technologies
Mauricio Rostagno, University of Campinas (UNICAMP), Brazil
Title: Emerging green analytical tools for food quality and safety
Quansheng Chen, Jiangsu University, China
Title: Green Chemistry - Not a solution but the most fundamental approach to prevent pollution
Sridevi Chigurupati, AIMST University, Malaysia
Title: Design and development of catalysts for the synthesis of fine chemicals
Lakshmi Kantam Mannepalli, Institute of Chemical Technology, India
Title: Computational studies of catalytic reactions in various platforms: From organic reactions to metal-organic frameworks
Hajime Hirao, Nanyang Technological University, Singapore

Lunch Break @ Atrium

Workshop By
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
Brajadulal Chattopadhyay, Jadavpur University, India
Title: Dual-color bioconjugated upconversion fluorescent probes for simultaneous sensing two foodborne pathogenic bacteria
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
Zhiming Guo, Jiangsu University, China
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 @ 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 @ Atrium

Title: Study of subcritical water hydrolysis of green coffee powder to ethanol second generation
Forster Carneiro Tania, University of Campinas, Brazil
Title: Solvent free synthesis of polyhydroquinolines: A green chemistry aspect
Vijender Goel, Maharshi Dayanand University, India
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
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

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

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

Title: Photocatalytic reduction of CO_2 by (Cu/ZnO)@C yolk-shell nanoreactors
H Paul Wang, National Cheng Kung University, Taiwan
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
Title: Fabrication of reusable magnetic multi-wall carbon nanotube-TiO_2 nanocomposite by electrostatic adsorption
Ghazale Daneshvar Tarigh, University of Tehran, Iran
Title: Characterization and thermal properties of 2-thiocoumarin, NLO single crystal
K Sambathkumar, A A Govt Arts College, India
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

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

Networking and Refreshments Break @ Foyer

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 @ 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
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Scientific Program

European Chemistry Congress

June 16-18, 2016 Rome, Italy



Hosting Organization: Conference Series LLC

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Heathrow Stockley Park Lakeside House, 1 Furzeground Way, Heathrow, UB11 1BD, UK, Tel: +1-800-216-6499

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Scientific Program

Day 1 June 16, 2016

Registrations

Olimpica 1 & 2

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Opening Ceremony

Keynote Forum

Title: Biomacromolecule poly[3-(3,4-dihydroxyphenyl)glyceric acid] with potential therapeutic effect

Vakhtang V Barbakadze, Tbilisi State Medical University, Georgia

Title: Carbohydrate microarrays for study of glycan associated biological events

Injae Shin, Yonsei University, Korea

Track 1: Fundamentals of Organic Chemistry
Track 2: Inorganic Chemistry
Track 3: Analytical Chemistry

Session Introduction

Session Chair: Ionel I Mangalagiu, "Al.I.Cuza" University of Iasi, Romania

Session Co-chair: Maia Merlani, Tbilisi State Medical University, Georgia

Title: An innovative method for the extraction and quantification of curcuminoids from a complex matrix
Jarintzi Yared Rico Ruiz, Euro-Nutec Premix SA de CV, Mexico

Title: Conjugates of hyaluronic acid with tyramine - synthesis and application
Radovan Buffa, Contipro Pharma, Czech Republic

Title: Diketopyrrolopyrroles - the journey from ferrari pigments to fluorescent functional dyes
Daniel T Gryko, Polish Academy of Sciences, Poland

Coffee Break@ Foyer

Title: Non-coulombic ionic crystals with non-alternate arrangement of complex cations and inorganic anions
Takumi Konno, Osaka University, Japan

Title: Toward molecular designing on graphene-based materials for catalytic applications
Sungjin Park, Inha University, South Korea

Title: Tailor-made synthesis of multilayered trimetallocyclophanes via transannula π-π Interactions
Ok-Sang Jung, Pusan National University, Korea

Title: Supramolecular catalysis within confined environment of metal-organic architectures
Chunying Duan, Dalian University of Technology, P R China

Title: Quantification of valproic acid in human plasma using high performance liquid chromatography-photodiode array
Yahdiana Harahap, Universitas Indonesia, Indonesia

Title: Validation guidelines of hydralazine hydrochloride spectrophotometric method
Laila A Al-Shatti, The Public Authority for Applied Education and Training, Kuwait

Group Photos

Lunch Break@ Restaurant

Title: Synthesis of ultramarine pigment from the mudstone of kutingkeng formation and the improvement of its refractory properties
S L Chen, National Cheng-Kung University, Taiwan

Title: New podants with azaheterocycles skeleton as smart versatile building blocks for multiple tasks
Ionel I Mangalagiu, "Al.I.Cuza" University of Iasi, Romania

Title: Analysis of *Botulinum* Neurotoxin A (BoNT/A) in pharmaceutical products using MALDI-TOF and LC-MS/MS
Yiu-chung Wong, Hong Kong Government Laboratory, Hong Kong
Title: Synthesis of natural biologically active poly[3-(3,4-dihydroxyphenyl)-glyceric acid] analogues
Maia Merlani, Tbilisi State Medical University, Georgia
Title: Preparation and synthetic application of 1-Azoniabicyclo[n.1.0]alkanes
Hyun-Joon Ha, Hankuk University of Foreign Studies, Korea
Title: Sulfur based metal complexes for synthesis of semiconductor nanoparticles
Makwena Justice Moloto, Vaal University of Technology, South Africa
Title: Functionalization of Keggin type nickel substituted phosphotungstate by immidazole: Synthesis, characterization and catalytic activity
Anjali Patel, The M S University of Baroda, India

Coffee Break@ Foyer

Track 4: Green Chemistry: Green chemical principles
Track 5: Medical Biochemistry

Session Introduction

Session Chair: Janis Gravitis, Latvian State Institute of Wood Chemistry, Latvia
Session Co-chair: M Paula Robalo, Instituto Politécnico de Lisboa, Portugal, Portugal

Title: Protein-specific approach to osteopontin purification from *Chlamydomonas reinhardtii*
Zivko Nikolov, Texas A&M University College Station, USA
Title: Green forest and agricultural waste bio-refinery techniques and breakthrough materials
Janis Gravitis, Latvian State Institute of Wood Chemistry, Latvia
Title: Photocatalytic H2-production by homogeneous and heterogeneous advanced materials
Peter Brüggeller, University of Innsbruck, Austria
Title: New conceptual diary liodonium salts for metal-free arylation of carboxylic acids and other coupling reactions
Toshifumi Dohi, Ritsumeikan University, Japan
Title: Loss mechanism in the open circuit voltage of polymer solar cells
Zhicai He, South China University of Technology, P R China
Title: Preparation and swelling capacity of superabsorbent polymer composites based on attapulgite clay
El-Refaie Kenawy, Tanta University, Egypt
Title: Laccases: biocatalysts towards new heterocyclic cores
M Paula Robalo, Instituto Politécnico de Lisboa, Portugal
Title: Effect of Quercetin and Apigenin on LDL receptor gene (LDLR) and Hydroxy-methyl glutrate reductase gene (*Hmgcr*) in a cholesterol attenuating trial.
Marwa E Kenawy, Tanta University, Egypt

Day 2 June 17, 2016

Olimpica 1 & 2

Keynote Forum

Title: Selectivity control of Au-catalyzed oxidation of glycerol in water
Bo-Qing Xu, Tsinghua University, China

Title: Functions of nucleic acids with non-canonical structures
Naoki Sugimoto, Konan University, Japan

Title: Pyrrolo[3,2-b]pyrroles-new electron-rich functional π-electron system
Daniel T Gryko, Polish Academy of Sciences, Poland

Coffee Break @ Foyer

Poster Presentations

ECPP001	**Title: Unnatural fluoro-oxindole alkaloids produced by *Uncaria guianensis* plantlets**
	Adriana A Lopes, Universidade de Ribeirão Preto, Brazil

ECPP002	**Title: Spectrophotometric investigation of early lanthanide(III) porphyrin complexes**
	Melitta Patrícia Kiss, University of Pannonia, Hungary
ECPP003	**Title: Photoinduced heterogenous catalysis with TiO_2 and kaolinite**
	Orsolya Fónagy, University of Pannonia, Hungary
ECPP004	**Title: Photocatalytic decomposition of a nonionic detergent**
	Hegedűs Péter, University of Pannonia, Hungary
ECPP005	**Title: Patented method-based evaluation of the toxicity of some uncoupling dinitrophenol-like compounds**
	Marius Zaharia, Alexandru Ioan Cuza University, Romania
ECPP006	**Title: Synthesis, antiproliferative activity and molecular docking of new colchicine derivatives**
	Adam Huczynski, Adam Mickiewicz University, Poland
ECPP007	**Title: Antimycobacterial activity and QSAR studies of 2*H*-chromene and coumarin based hydrazones**
	Violina T Angelova, Medical University of Sofia, Bulgaria
ECPP008	**Title: Selective and stoichiometric fatty acids sensing with a polydiacetylene liposome**
	Chang Wook Song, Pohang University of Science and Technology, Republic of Korea
ECPP009	**Title: Novel two-photon dyes: Minimal autofluorescence in tissue imaging**
	Juryang Bae, Pohang University of Science and Technology, Republic of Korea
ECPP010	**Title: Lysosomal zinc ions imaging with two-photon fluorescent probe**
	Hyeonjin Park, Pohang University of Science and Technology, Republic of Korea
ECPP011	**Title: How to enhance fluorescence and two-photon properties of typical dipolar dyes in aqueous media?**
	Hyerim Kim, Pohang University of Science and Technology, Republic of Korea
ECPP012	**Title: Ionic conductivity on cyano-bridged bimetal assemblies**
	Kosuke Nakagawa, The University of Tokyo, Japan
ECPP013	**Title: A fluorenyl-based metal-organic framework with photocatalytic property**
	Rong-Xin Yuan, Changshu Institute of Technology, P.R.China
ECPP014	**Title: Palladium nanoparticles supported on four different materials as efficient catalysts for suzuki cross-coupling reactions**
	Bilgehan Guzel, University of Cukurova, Turkey
ECPP015	**Title: Synthesis of $ScCO_2$ soluble perfluorinated chiral shiff-base ligand and its metal complexes**
	Burcu Darendeli, University of Cukurova, Turkey
ECPP016	**Title: Synthesis and enzyme inhibition study of dihydrofurocumarin and dihydrofuropyrane compunds**
	Asli Ustalar, Kocaeli University, Turkey
ECPP017	**Title: Signaling of Hg(II) ions by reaction-based probes based on depro-tection of dithiane**
	In Jung Chang, Chung-Ang University, Republic of Korea
ECPP018	**Title: Smartphone-based fluorescence signaling of hypochlorite in tap water by oxidative hydrolysis of sulfonhydrazone**
	Min Jeoung Cho, Chung-Ang University, Republic of Korea
ECPP019	**Title: Dual signaling of the water content of biofuel-relevant ethanol and butanol by pyranines**
	Yun-uk Jung, Chung-Ang University, Republic of Korea
ECPP020	**Title: Photophysical properties of boron trifluoride complexes based on 2(2',4'-dihydroxyphenyl) benzothiazole and benzimidazole**
	Sang Hun Lee, Chung-Ang University, Republic of Korea
ECPP021	**Title: Phytochemical screening and antitumor effect of ethanol extract of Egyptian wild plants**
	Thoria Diab, Tanta University, Egypt
ECPP022	**Title: Calcineurin levels and activity in breast cancer: Relation to apoptosis**
	Abeer Abdel Hamid Ahmed Khamis, Tanta University, Egypt
ECPP023	**Title: Protection and functionalization of magnetic iron oxide nanoparticles with phthalic acid for the efficient removal of reactive black 5 from aqueous solutions**
	Gehan M Nabil, Alexandria University, Egypt

ECPP024	**Title: A new polymeric membrane Fe (III) Ion-selective sensor based on Fe (III)-Morin (3, 5, 7, 2', 4'-Pentahydroxyflavone) Schiff Base**
	Tugba Ozer, Yildiz Technical University, Turkey
ECPP025	**Title: A novel iron(II) selective membrane electrode based on 2-cyanomethyl n-methyl-n-phenyl dithiocarbamate and its applications**
	Tugba Ozer, Yildiz Technical University, Turkey
ECPP026	**Title: Computer simulation of the molecules of thermotropic substituted biphenyls**
	Abulyaissova L K, Buketov State University of Karagandy, Kazakhstan
ECPP027	**Title: Comparative study of corrosion of iron in cyanide and thiourea media in hydrometallurgical processes**
	Hugo Romero, Universidad Técnica de Machala, Ecuador
ECPP028	**Title: Adsorption kinetics, isotherms and thermodynamic studies for Hg2+ adsorption from aqueous medium using alizarin red-S loaded amberlite IRA-400 resin**
	Mu Naushad, King Saud University, Saudi Arabia
ECPP029	**Title: In situ preparation of nitrogen enriched hierarchically nanoporous carbon from polybenzoxazine precursor for CO_2 capture and storage**
	Nicharat Manmuanpom, Chulalongkorn University, Bangkok
ECPP030	**Title: Direct voltammetric determination of redox-active iron in carbon nanotubes**
	Wei Zhe Teo, Nanyang Technological University, Singapore

Speaker Presentations to be continued

Track 6: Physical Chemistry
Track 9: Nuclear chemistry

Session Introduction

Session Chair: Piotr Cysewski, Nicolaus Copernicus University in Toruń, Poland

Session Co-chair: Ken Cham-Fai Leung, The Hong Kong Baptist University, Hong Kong

Title: Impacts of conformational geometries in fluorinated hydrocarbons
Tim Brandenburg, Helmholtz Zentrum Berlin, Germany
Title: Decarboxylative fluorination of carboxylic acids with heterogeneous catalysts
Giulia Tarantino, Cardiff University, UK
Title: Conceptual design of a nano-leaf for artificial photosynthesis
Jacinto Sá, Uppsala University, Sweden
Title: Fabrication and characterization of Pd-Ni porous membrane for hydrogen separation
Sun Hee Choi, Korea Institute of Science and Technology, South Korea
Title: Anti-inflammatory and wound healing activities of *Hemisgraphis alternata*
Joo Kheng Goh, Monash University Malaysia, Malaysia

Lunch Break@ Restaurant

Title: RNA self-assembly and RNA bio-nanotechnology
Luc Jaeger, University of California, USA
Title: Extraction and characterization of collagen from the white jellyfish (*Lobonema smithi Mayer.*)
Ubon Rerk-am, Thailand Institute of Scientific and Technological Research, Thailand
Title: Interfacial assembly and theranostic applications of organic-inorganic hybrid nanomaterials
Ken Cham-Fai Leung, The Hong Kong Baptist University, Hong Kong
Title: An efficient coformers selection for co-crystals screening of active pharmaceutical ingredients
Piotr Cysewski, Nicolaus Copernicus University in Toruń, Poland

Track 7: Biological Chemistry
Track 8: Environmental Chemistry
Track 10: Theoretical Chemistry

Session Introduction

Session Chair: Yanli Wang, National Center for Biotechnology Information, USA

Session Co-chair: Min Jae Lee, Seoul National University, Korea

Title: Data mining drug, chemical probe and their biological activity in PubChem
Yanli Wang, National Center for Biotechnology Information, USA

Title: NMR Molecular Replacement, NMR^2
Julien Orts, Swiss Federal Institute of Technology, Switzerland

Title: Opening the core particle gate of mammalian proteasomes to enhance their degradatory activity
Min Jae Lee, Seoul National University, Korea

Coffee Break @ Foyer

Poster Presentations

ECPP031	**Title: Promotion of sorghum hybrids bran grown in southern italy for PHB ecological production by Sphingomonas cynarae**
	Roberta Romano, University of Salento, Italy
ECPP032	**Title: Synthesis of NiO nanoparticles for new nanocomposite materials**
	Sevil Çetinkaya, Kirikkale University, Turkey
ECPP033	**Title: Antioxidant activity of wild garlic extract (*Allium ursinum*) obtained by subcritical water extraction**
	Alena Tomsik, University of Novi Sad, Serbia
ECPP034	**Title: Preparation of biological active steroids**
	Sevinc Ilkar Erdagi, Kocaeli University, Turkey
ECPP035	**Title: Synthesis of 4-amino-N-4-pyridin-1,8-naphthalimide, a new ligand for complexes and metalorganic frameworks**
	Ulisses Fiorin Angelo, University of São Paulo, Brazil
ECPP036	**Title: In vivo anti-wrinkle and anti-melasma activities of peptides isolated from Pigeon pea (*Cajanus cajan L. Millsp*)**
	Tuanta Sematong, Thailand Institute of Scientific and Technological Research, Thailand
ECPP037	**Title: Effect of porogen type and cationic, anionic and nonionic surfactant ratio on the properties of porous polymer supports**
	Vesile Şima Ünnü, Kirikkale University, Turkey
ECPP038	**Title: Polyaniline–Ionic liquid mixtures and their application in dye-sensitized solar cells**
	Sang Jun Lee, Kwangwoon University, Korea
ECPP039	**Title: Air annealing technique to improve photoelectric properties of pristine graphene**
	Dapeng Wei, Chinese Academy of Sciences, China
ECPP040	**Title: Development of lateral-flow immunoassay for the diagnosis of laryngopharyngeal reflux disease**
	Jiyoon Kwon, Kwangwoon University, Korea
ECPP041	**Title: Characteristics of the different S=O, S-O, N---H, O---H and Na---O bonds into the powerful laxative sodium picosulphate drug and their effects on the properties**
	Silvia Antonia Brandan, Institute of Inorganic Chemistry, Argentina
ECPP042	**Title: Multiresidue analysis of selected pharmaceutical compouds in poultry manure by gas chromatography–mass spectrometry**
	Ramón Aznar, Spanish National Institute for Agricultural and Food Research and Technology, Spain
ECPP043	**Title: Study on the micro pulsed electro-chemical machining of invar alloy according to electrolyte variables**
	Seong-Hyun Kim, Inha University, Republic of Korea
ECPP044	**Title: Antimicrobial activity of collagen/silver doped hydroxyapatite composites against gram-pozitive and gram-negative bacteria**
	A M Prodan, Carol Davila University of Medicine and Pharmacy, Romania
ECPP045	**Title: Antimicrobial activity of collagen/silver doped hydroxyapatite composites against gram-pozitive and gram-negative bacteria**
	C L Popa, National Institute of Materials Physics, Romania

ECPP046	**Title: The Nitrogen Cycle in air, soil and water**
	Reza Pashaei, University of Siena, Italy
ECPP047	**Title: Tunable magnetic property and millimeter wave absorption property of ε-Fe_2O_3 by metal substutution**
	Asuka Namai, The University of Tokyo, Japan
ECPP048	**Title: Anticonvulsant activity of newly synthesized benzoylhydrazones with 2*H*-chromene and coumarin moieties in ICR mice**
	Valentin Karabelyov, Medical University of Sofia, Bulgaria
ECPP049	**Title: Perpendicularly-oriented microdomain ordering of lamella-forming PS-*b*-PMMA thin film observed by tuning film thickness**
	Wooseop Lee, Yonsei University, Republic of Korea
ECPP050	**Title: Phase transition behavior of asymmetric polystyrene-b-poly(2-vinylpyridine) thin films under strong interfacial Interactions : A stable hexagonally modulated layer (HML) structure**
	Sungmin Park, Yonsei University, Republic of Korea
ECPP051	**Title: Interaction between the hydroxyl functionalized PS and dPS in dry brush system**
	Seongjun Jo, Yonsei University, Republic of Korea
ECPP052	**Title: Synthesis and characterization of new quaternary niobium selenites**
	Bongsu Kim, Chung-Ang University, Republic of Korea
ECPP053	**Title: Polar noncentrosymmetric $ZnMoSb_2O_7$ and nonpolar centrosymmetric $CdMoSb_4O_{10}$: d_{10} transition metal size effect influencing the stoichiometry and the centricity**
	Hongil Jo, Chung-Ang University, Korea
ECPP054	**Title: Effective removal of rare earth metals using surface-active agent**
	Dzhevaga Natalia Vladimirovna, National Mineral Resources University, Russia
ECPP055	**Title: Thermodynamic characteristics of sorption extraction of anionic complexes of erbium with trilon B on weakly basic anionite**
	Ponomareva Mariya, National Mineral Resources University, Russia
ECPP056	**Title: The interaction of 1-nitro- and 1-bromo-1-nitro-3,3,3-trifluoro(chloro)propenes with phenylazide**
	Alena Kuzhaeva, National Mineral Resources University, Russia
ECPP057	**Title: Modern glassy phosphate fertilizers**
	Kirill Karapetian, National mineral resources university, Russia

Speaker Presentations to be continued

Title: Arsenic speciation studies in *Oriza sativa* L. grown in wahalkada, Sri Lanka
Samanthika R Hettiarachchi, The Open University of Sri Lanka, Sri Lanka
Title: Effect of preanalytical techniques and variables on plasma ammonia determination
Ibraheem M Al-Qurashi, Taif University, Saudi Arabia
Title: Bioavailability and concentration of selected heavy metals from soils at the Ecton mining area with long-mining history of Cu, Pb, and Zn, Derbyshire, UK
Zahid O Alibrahim, Wolverhampton University, United Kingdom
Title: Ion-imprinted thermoresponsive fluorescent hydrogel for removal and determination of uranyl ion
Elif Gökçe Atçakan, Istanbul Technical University, Turkey
Title: Electrophilic phosphinidene complex affords novel organophosphorus compounds
Arif Ali Khan, Guru Gobind Singh Indraprastha University, India
Title: Synthesis of composite materials for chromatographic column separations
Amjad Mumtaz Khan, Aligarh Muslim University, India
Title: Regulation of electron transfer in nitric oxide synthase by conformational dynamics
Changjian Feng, University of New Mexico, USA

Title: Aggregation-free gold nanoparticles in ordered mesoporous carbons: towards highly active and stable heterogeneous catalysts for selective oxidation of alcohols and selective reduction of nitroarenes
Ying Wan, Shanghai Normal University, China

Day 3 June 18, 2016

Olimpica 1 & 2

Track 11: Medicinal Chemistry
Track 12: Materials Chemistry

Session Introduction

Session Chair: Brian W Dymock, University of Singapore, Singapore

Session Co-chair: Marc Le Borgne, Université Lyon, France

Title: Ruthenium organometallic compounds as promising anti-metastatic drugs for breast cancer chemotherapy
M Helena Garcia, Universidade de Lisboa, Portugal
Title: Polymer-metal conjugates: Versatile scaffolds for the synthesis of new antitumor drugs
Andreia Valente, Universidade de Lisboa, Portugal
Title: Novel functional materials based on cyanido-bridged metal assemblies and metal oxides
Shin-ichi Ohkoshi, The University of Tokyo, Japan
Title: The medicinal chemist's toolbox: how to use it to develop small molecule CK2 inhibitors
Marc Le Borgne, Université Lyon, France

Coffee Break@ Foyer

Title: Designed bispecific molecules selectively inhibiting both JAK2 and HDAC at low nanomolar concentrations
Brian W Dymock, University of Singapore, Singapore
Title: *In silico* screening of *Aloysia citrodora* Palau. leaf essential oil for anticholinesterase inhibitors
Sawsan Abuhamdah, The University of Jordan, Jordan
Title: Design of active and durable catalysts with non-precious materials for oxygen reduction and evolution reactions: First principles prediction and experimental validation
Byungchan Han, Yonsei University, Korea
Title: The effect of doping NiMgAl catalysts with lanthanum on the dry reforming of methane
Samer Aouad, University of Balamand, Lebanon
Title: S-Nitrosothiol-modified silica/polymer hybrid nanofibers as a nitric oxide storage/delivery scaffold
Soo Ji Son, Kwangwoon University, Korea

Lunch Break@ Restaurant

Track 13: Petro Chemistry
Track 14: Multi-disciplinary Chemistry

Session Introduction

Session Chair: Jean-Bernard Regnouf-de-Vains, Universite de Lorraine, France

Session Co-chair: Rukan Can Seyfeli, Gazi University, Turkey

Title: Study of intermolecular and intramolecular vibrations in heterocyclic aromatic hydrocarbons
Patricia Guevara Level, Université de Pau et des Pays de l'Adour, France
Title: From discrete to supported antibacterial calixarenes: toward bacteriophilic materials
Jean-Bernard Regnouf-de-Vains, Universite de Lorraine, France
Title: First-principles calculation of ε-Fe_2O_3 with a huge coercive field
Marie Yoshikiyo, The University of Tokyo, Japan
Title: *Thymus* and *Origanum* species growing in Turkey: Their phytochemical and biological activity properties
Ufuk Özgen, Karadeniz Technical University, Turkey
Title: Bentonite-Treatment of Bentonite with Na_2CO_3 and MgO
Rukan Can Seyfeli, Gazi University, Turkey
Title: The benefit of supplementing with Iron and vitamin B12 singly and in combination on haemoglobin among 6 to 9 years old rural primary school children in Kilifi County, Kenya?
Priscilla Monyangi Nyakundi, Kenya Medical Research Institute, Kenya

Title: Exploring DNA interaction and anticancer activity of ruthenium (II) mononuclear complexes and their luminescent properties

S Satyanarayana, Osmania University, India

Coffee Break: @ Foyer

Title: Determination of skin softeners, skin shiners and phytoconstituents from eugenol oil extracted from clove buds of clove trees found in zanzibar

Ochieng Anthony, Sumait University, Tanzania

Title: Quantitative analysis of multi-component alkane mixture with fourier transform infrared spectrometer based on TR-LSSVM-PSO

Feng Zhang, Xi'an Jiaotong University, China

Title: An attractor-repulsor molecular design prinicple for the exploration of supramolecular steric hindrance (SSH) effects

Linghai Xie, Nanjing University of Posts & Telecommunications, China

Title: Arithmetic progression way in calibration STD curve

Hisham H A Mohammedkhair, University of Khartoum, Sudan

Award Ceremony



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Scientific Program

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Past and Present Research Systems of Green Chemistry

September 14-16, 2015

Orlando, USA



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Scientific Program

Day 1 **September 14, 2015**

Continental Ballroom 6-8

conferenceseries.com **08:30-08:55** **Opening Ceremony**

Keynote Forum

Introduction

John Littleton
University of Kentucky, USA

Lothar Brecker
University of Vienna, Austria

Special Session

Title: Green Chemistry: An opportunity for growth and competitive advantage
John C Warner, Warner Babcock Institute for Green Chemistry, USA

Networking & Refreshment Break @ 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

Title: Green pharmaceutical chemistry: Target-directed evolution of plant secondary metabolism
John Littleton, University of Kentucky, USA
Title: Transition metal catalysis for non-directed C-H functionalization
Marion Heidi Emmert, Worcester Polytechnic Institute, USA
Title: Green chemistry and global access to medicines: New chemistry for access to HIV, Malaria, and Hepatitis medicines
Joseph M Fortunak, Howard University, USA
Title: Rapid catalyst screening using a high pressure, Tandem micro-reactor GC/MS
Bob Freeman, Frontier Laboratories Ltd., Japan
Title: Green chemistry in higher education
Amy S Cannon, Beyond Benign, USA
Title: 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 @ Continental Ballroom 2-4

Title: Exploring the mildest thermodynamic conditions for the inverse design of hydrogenation catalysts
Dequan Xiao, University of New Haven, USA
Title: Efficient cubane catalysts for artificial water-splitting
Sandra Luber, University of Zurich, Switzerland
Title: SnO_2-PbS nanocomposites and hetero structures: Fabrication, structures and applications
Arik Kar, University of Cambridge, UK
Title: The contribution of photochemistry and photocatalysis to Green Chemistry
Angelo Albini, University of Pavia, Italy
Title: Practical catalytic hydrogenation
Xumu Zhang, The State University of New Jersey, USA
Title: Asymmetric heterogeneous catalysts based on copper(II) complexes with bis(oxazoline) ligands
Ana Rosa Silva, Aveiro University, Portugal

Title: Green chemistry in niche applications: Development of "green" photoresists
Frank Wiesbrock, Polymer Competence Center Leoben, Austria

Networking & Refreshment Break @ Foyer

Title: 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
Title: 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
Title: Biogenic preparation of ZnO nanoparticles reduced from *Ocimum tenuiflorum* and their antioxidant activity
B Deva Prasad Raju, Sri Venkateswara University, India
Title: 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
Title: 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
Title: Synthesis, antibacterial, cytotoxicity and sensing properties of biopolymer -capped silver nanoparticles
Samuel Oluwatobi Oluwafemi, University of Johannesburg, South Africa
Title: 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

Mahdi M Abu-Omar
Purdue University, USA

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

Title: Sustainability through catalysis: Making biofuels and chemicals from biomass
Mahdi M Abu-Omar, Purdue University, USA
Title: Natural products as active agents: On the border between sustainable application and risky use
Lothar Brecker, University of Vienna, Austria
Title: Comparing the effect of ecofriendly adsorbents and bioturbators on the concentration pyrene
Febee Louka, University of Louisiana, USA

Networking & Refreshment Break @ Foyer

Title: Green fuel: Selective and water compatible catalysts for solar fuel production
Craig L Hill, Emory University, USA
Title: 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
Title: Atom and step economy in synthetic organic chemistry
Miguel Yus, University of Alicante, Spain
Title: Organolithium chemistry using flow microreactors to Green Chemistry
Aiichiro Nagaki, Kyoto University, Japan
Title: New versatile nanostructured catalysts: From green preparation to environmentally concerned challenges
Capucine Sassoye, UPMC University, France
Title: Sustainable development of infrastructure for electric vehicles
Jennifer L Anthony, Kansas State University, USA

Lunch Break @ Continental Ballroom 2-4

Title: 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

Title: 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

Title: De-polymerization of sugarcane bagasse lignin to value added products in sub and supercritical water
Sunil Joshi, National Chemical Laboratory, India
Title: Towards sustainable surface processing and products through green chemistry and engineering
Kwang-Leong Choy, University College of London, UK
Title: Triazole stabilized transition metal nanoparticles for 4-Nitrophenol reduction
Pengxiang Zhao, China Academy of Enginnering Physics, China
Title: Nanocatalysis and continuous-flow processing: Towards greener and more sustainable chemistry
Mostafa Baghbanzadeh, Harvard University, USA

Networking & Refreshment Break @ Foyer

Title: The study of trace elements uptake by plants from contaminated waters
Olga V Shuvaeva, Novosibirsk State University, Russia
Title: Gelatin wastes for better plant growth
Nabil H Elsayed Khamis, National Research Center, Egypt
Title: Improvements to the biorefinery model through lignin valorization
Ian Klein, Spero Energy, Inc., USA
Title: 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
Title: Fabrication of miniaturized capillary waveguide integrated fiber-optic sensor for fluoride determination in water
Yan Xiong, Southwest Petroleum University, China

Poster Presentations @ Continental Ballroom 1-3

Title: An alternative process of reduction of diimines
Ingrid Miranda–Carvajal, National University of Colombia, Colombia
Title: Arsenic adsorption into thermally treated dolomite
Yousef Salameh, American University Beirut, Lebanon
Title: Conversion of crude glycerol, the biodiesel production by-product, into value-add chemical 2,3-butanediol through microbial fermentation
Hsin-Yao Cheng, Green Technology Research Institute, Taiwan
Title: The current progress of cellulosic ethanol development in CPC corporation, Taiwan
Jui-Hui Chen, Green Technology Research Institute, Taiwan
Title: Peanut virginia type (*Arachis hypogaea* L.) as feedstock for biodiesel production: Comparative analysis from methylic and ethylic routes
Euripedes G Silveira Junior, University of Northern of Rio de Janeiro, Brazil
Title: Integrated process of unconventional biodiesel production reusing glycerol: Techno-economic and environmental impact evaluation
Victor Haber Perez, University of Northern of Rio de Janeiro, Brazil
Title: Novel nanoparticles of Ru and Pd supported on bacterial biomass for catalytic hydrogenation of 5-HMF to produce 2,5-DMF
Bayonle Kayode, University of Birmingham, UK
Title: Modeling and simulation of a fuel cell of polymer membrane for the generation of electricity
Claudia Milena Cabrera-Sanmartin, State University of Northern of Rio de Janeiro, Brazil
Title: Study of hydrolysis of sugarcane bagasse in pilot plant for fermentable sugars obtaining for second generation ethanol
Tania F Carneiro, State University of Campinas, Brazil
Title: Extraction and purification of bioactive compounds by combining supercritical fluids and ultrasound and on-line coupling with solid-phase extraction
Mauricio A Rostagno, Universidade Estadual de Campinas , Brazil

Title: Ethanol production in bioreactor assisted by electromagnetic field: Kinetic modeling
Manuel G Mendoza Turizo, University of Northern of Rio de Janeiro, Brazil
Title: Equilibrium and kinetics studies on the biosorption of caffeine by hydrogel beads
Ziu Wing Lo, Borough of Manhattan Community College, USA
Title: Uptake of organic pollutants by solid wastes as an eco-friendly remediation alternative
Kateryna Zhdanova, Borough of Manhattan Community College, USA
Title: Evaluation of deep eutectic solvents as electrolytes for a non-aqueous vanadium redox battery
Laleh Bahadori, University of Malaya, Malaysia
Title: Green route to synthesis of (4-methoxy-phenyl)- phosphonodithioic acid and its Ni & Co complexes
Tomilola Ajayi, University of Kwazulu-natal, South Africa
Title: Isolation and characterization of heavy metal tolerant bacteria for the purpose of bioremediation
Finola Fung-Khee, Borough of Manhattan Community College, USA
Title: Chemoselective reactions of Diaminomaleonitrile (Damn) in water
Jicli Jose Rojas Salgado, Universidad Nacional de Colombia, Colombia

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

Title: Green by design for process evolution: Asymmetric syntheses of vibegron
Feng Xu, Merck Research Laboratories, USA
Title: Bioremediation of pollutants from pharmaceutical residual waters with marine algae and derivatives
Abel E Navarro, Borough of Manhattan Community College, USA

Workshop By

Title: Greener Fenton processes for removal of persistent organic pollutants from wastewaters
Andreja Zgajnar Gotvajn, University of Ljubljana, Slovenia

Networking & Refreshment Break @ Foyer

Title: Novel lignocellulosic hydrolysate detoxification using pyrochar from digestate: Application for bioethanol fermentation
Monlau Florian, INRA UMR IATE, France
Title: Thermo-chemical pretreatments for the combined recovery of extractives and bioethanol production from Douglas-fir bark
Cecilia Sambusiti, INRA UMR IATE, France
Title: Environmental impact assessment and bio-treatability potential of deep eutectic solvent based on holing chloride
Andreja Zgajnar Gotvajn, University of Ljubljana, Slovenian
Title: 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
Title: Cross-coupling reactions in aqueous media
Carmen Najera, University of Alicante, Spain

Title: Atom economic synthesis of amides
Diego Gamba Sánchez, Universidad de los Andes, Colombia
Title: 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 @ Continental Ballroom 2-4

Title: Alternative ionic liquid-based Lignocellulosic biomass pre-treatment and fractionation towards progress in biorefinery
Ewa Bogel-Łukasik, Universidade Nova de Lisboa, Portugal
Title: 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
Title: Industrial enzymes used to build green technology for Pre-treatment of textile dyeing
Hui Song, Chinese Academy of Sciences, China
Title: Green chemistry as a tool to prevent pharmaceutical hazards and pollution
Gannu Praveen Kumar, Sahasra Institute of Pharmaceutical Sciences, India
Title: Chromate and arsenate removal by layered double hydroxides-polymer beads
Nguyen Thi Kim Phuong, Institute of Chemical Technology, Vietnam
Title: 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

Title: Conversion of cellulose and lignocellulosic based feedstock over heterogeneous catalysts into liquid polyols
Katarina Fabicovicova, University of Technology Darmstadt, Germany
Title: 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
Title: 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
Title: A truly green synthesis of α-aminonitriles via Strecker reaction
Juliana M Velazquez, University of Texas Pan American, USA

Award Ceremony

Networking & Refreshment Break @ Foyer

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Day 1 August 25, 2014

Registrations

Independence A

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Opening Ceremony

Keynote Forum

Introduction

Tatsuya Nabeshima
University of Tsukuba, Japan

Ingrid Mergelsberg
Merck Co., Inc., USA

Mark Hayward
Active Ingredient Technologies, USA

Coffee Break @ Foyer

Steven J Langford
Monash University, Australia

Moinuddin Sarker
AEE-CT Chapter, USA

Lothar Brecker
University of Vienna, Austria

Track 1: Basic Principles and New Trends in Green Chemistry
Track 3: Green Synthesis
Track 10: Analytical Methodologies
Track 11: Sustainability and Environmental Safety

Session Introduction

Session Chair: Lothar Brecker, University of Vienna, Austria
Session Co-Chair: Bingbing Li, Central Michigan University, USA

Title: Methods and systems for converting plastic to fuel
Moinuddin Sarker, AEE-CT Chapter, USA

Title: Plasma chemistry for suitability and environmental safety
Hai-Feng Ji, Drexel University, USA

Lunch Break @ Benjamins

Title: Keratin waste: A valuable resource for pharmaceutical and forensic applications
Ramiz Boulos, Flinders University, Australia

Title: Electronic states and photocatalytic activities of TiO_2 modified with metal nanoparticles studied by far-ultraviolet spectroscopy
Ichiro Tanabe, Kwansei Gakuin University, Japan

Title: *In-situ* NMR and STD NMR to study mechanisms of enzyme catalyzed reactions to optimize use of enzymes in organic synthesis
Lothar Brecker, University of Vienna, Austria

Title: Reduction of solvent usage in HPLC during column re-equilibration after gradient elution in Reversed- Phase Liquid Chromatography
Joe P Foley, Drexel University, USA

Title: Fluorescent dipyrrin-typical-element complexes responding to external stimuli
Tatsuya Nabeshima, University of Tsukuba, Japan

Title: Recent structure relationship studies (SAR) on natural occurring sulfonium salts as potent α-glucosidase inhibitors
Weijia Xie, China Pharmaceutical University, China

Title: Nanostructured biodegradable polymeric materials through a green chemical approach
Bingbing Li, Central Michigan University, USA

Coffee Break @ Foyer

Title: Supercapacitive swing adsorption of carbon dioxide
Kai Landskron, Lehigh University, USA
Title: Mechanism-based molecular design of chemicals with low carcinogenicity potential
David Y Lai, US Environmental Protection Agency, USA
Title: Application of aquatic plant phytoremediation as green technology treatment of lead in polluted water
Nadia Badr, Alexandria University, Egypt
Title: Chemical depolymerization of lignin in Ionic liquids
Kei Saito, Monash University, Australia
Title: Infiltration of green chemistry concept in chemistry experiment teaching
Hua Yan, Logistic Engineering University, China
Title: The use of thermal release technique with atomic absorption detection for the study of mercury transformation in contaminated environment
Olga V Shuvaeva, Siberian Branch of Russian Academy of Science, Russia

Panel Discussions

Cocktails sponsored by **Journal of Environmental Analytical Chemistry @ Foyer**

Day 2 August 26, 2014

Independence A

Track 2: Green Chemistry-Chemical Applications
Track 4: Green Chemistry-Catalyst Compatibility
Track 7: Benefits of Green Chemistry
Track 9: Industrial Applications of Green Chemistry

Session Chair: Jon D Stewart, University of Florida, USA
Session Co-Chair: Abel E Navarro, Borough of Manhattan Community College, USA

09:00-10:00 Workshop on **"Progress in Chemistry for Suitability & Environmental Safety"**
Haifeng Frank Ji, Drexel University, USA

Title: Green chemistry in a changing landscape - Isn't green chemistry simply good chemistry?
Steven J Langford, Monash University, Australia
Title: Developing flavoprotein alkene reductases into synthetically useful catalysts for asymmetric reductions
Jon D Stewart, University of Florida, USA

Coffee Break @ Foyer

Title: Inverse molecular design of green catalysts for biomass conversion
Dequan Xiao, University of New Haven, USA
Title: Efficient catalyst reuse by dissolution in non-conventional media
Carlos A M Afonso, University of Lisbon, Portugal
Title: Improving the adsorptive properties of biomaterials for the removal of heavy metals
Abel E Navarro, Borough of Manhattan Community College, USA
Title: Minimally competent lewis acids for the synthesis of glycosides
Robin Polt, The University of Arizona, USA
Title: Arylation of Weakly Acidic C–H's
Patrick J Walsh, University of Pennsylvania, USA

12:35-13:30 Workshop on **"Toward the Inverse Molecular Design of Green Catalysts"**
Dequan Xiao, University of New Haven, USA

Lunch Break @ Benjamins

Title: An extremely stable and highly active periodic mesoporous lewis acid silica for mukaiyama-aldol reaction in water
Fang Zhang, Shanghai Normal University, China
Title: Bi-functional catalyst for conversion of 2-*methylfuran* as an waste biomass derived chemical to biodiesel
Hattrick-Simpers, University of South Carolina, USA
Title: Catalysis, atom economy and green toxicology: Tools for sustainable chemistry and drug discovery
Nicholas Gathergood, Dublin City University, Ireland
Title: Recreational water sources and health hazard (contamination of recreational water sources to pathogenic *Acanthamoeba* in Iran)
Maryam Niyyati, Shahid beheshti university of medical sciences, Iran
Title: Recent findings on anti-tumoral and antioxidant triterpene saponins from some Cameroonian medicinal plants
Tapondjou A Leon, University of Dschang, Cameroon

Coffee Break @ Foyer

Panel Discussion

Poster Presentations @ Foyer
Cocktails Sponsored by **Journal of Organic Chemistry @ Foyer**

Day 3 August 27, 2014

Independence A

Track 5: Green Chemical Solvents
Track 6: Aromatic and Non-Aromatic Green Chemistry
Track 8: Organic Synthesis in Different States
Track 12: Green Chemistry and Engineering

Session Introduction

Session Chair: John A Glaser, US Environmental Protection Agency, USA
Session Co-Chair: Shipra Roy, Sarojini Naidu Government Girls PG College, India

09:00-10:00 Workshop on **"Insight from Computer Modelling for Drug Discovery"**
Ramiz A Boulos, Flinders University, Australia

Title: Finding the innovation in green chemistry/engineering
John A Glaser, US Environmental Protection Agency, USA
Title: Green chemistry at merck - A development chemist's perspective
Ingrid Mergelsberg, Merck Co., Inc., USA

Coffee Break @ Foyer

Title: Development of sisal fiber reinforced cement composites as substitute of asbestos cement composites- A green chemical approach
Shipra Roy, Sarojini Naidu Government Girls PG College, India
Title: New separations strategies with an emphasis on recycling chemistry for high value rare earth elements
Eric J Schelter, University of Pennsylvania, USA
Title: Green chemistry innovation in the synthesis of medicines
Rakeshwar Bandichhor, Dr. Reddy's Laboratories, India
Title: Recent advances in heteropoly acids-catalyzed organic reactions in water
Majid M Heravi, Alzahra University, Iran
Title: Novel organic transformations in aqueous media
J S Yadav, Indian Institute of Chemical Technology, India
Title: Green processes to diisocyanates and polyurethane-urea elastomers via carbonate raw materials: New NPR and NIR processes
Shenghong A Dai, National Chung-Hsin University, Taiwan
Title: Polymer-supported siloxane transfer agents: A green chemistry approach toward cross-coupling reactions
Minh H Nguyen, University of Pennsylvania, USA
Title: Determination of organochlorine pesticides in water samplesand decomposition kinetics of Chlorpyrifos using advanced oxidation process
Muhammad Ismail, University of Peshawar, Pakistan

Lunch Break @ Benjamins

Panel Discussions

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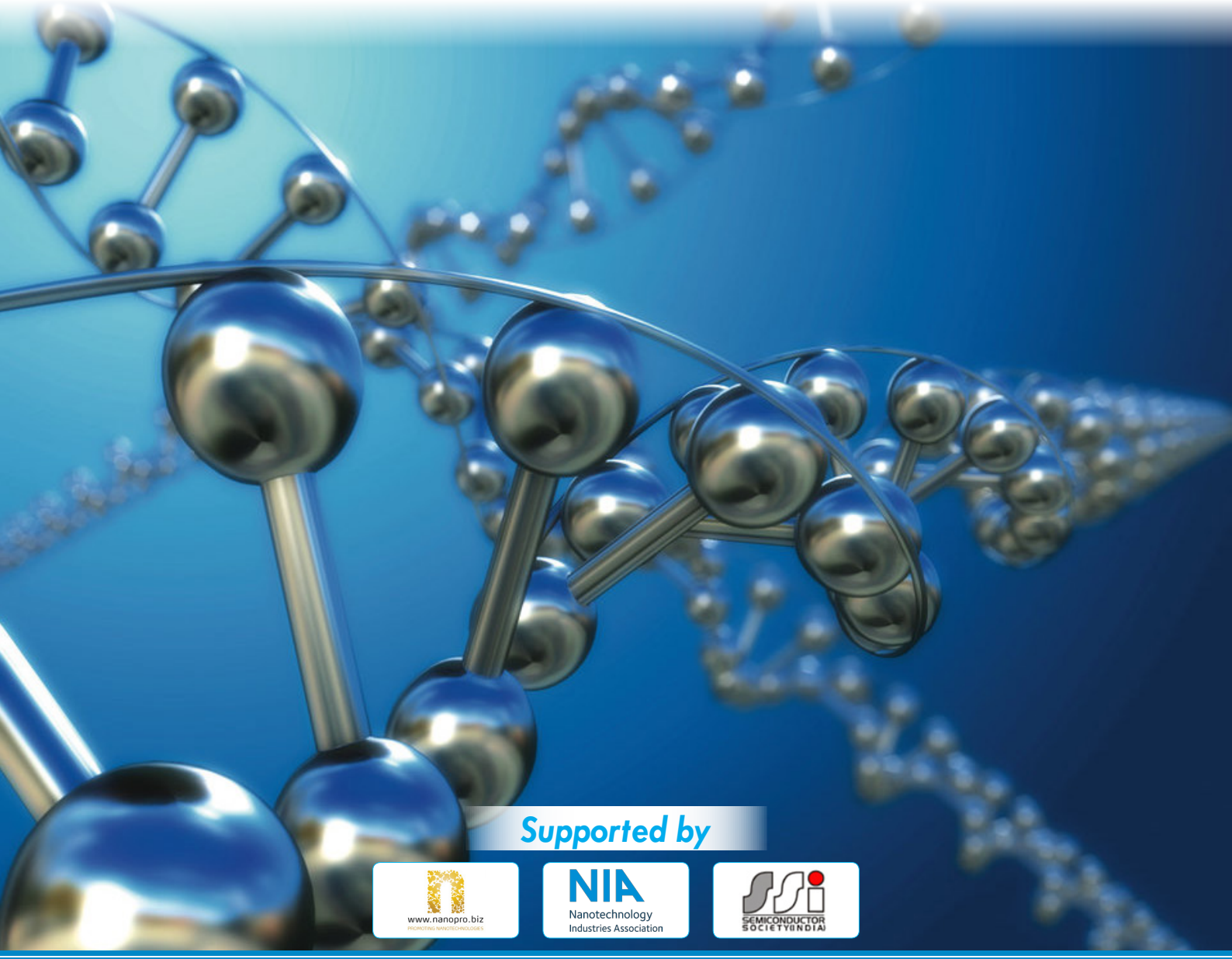
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October 06, 2013

Registrations

Day 1 October 07, 2013

Registrations

Salon A

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Opening Ceremony

Keynote Forum

Introduction

Isaac C. Sanchez
University of Texas, USA

Arumugam Manthiram
University of Texas at Austin, USA

Dongyang Li
University of Alberta, Canada

Coffee Break @ Event Center

Aris Christou
of Maryland, USA

Zhifeng Ren
University of Houston, USA

Federico Rosei
University of Quebec, Canada

Track 1: Materials Science and Engineering (Session 1)

Session Chair: Xiao Wang Zheou, Sandia National Laboratories, USA

Session Co-Chair: Frederique Gadot, University of South Paris, France

Session Introduction

Title: Big data is the future of material science
Alex V. Vasenkov, Multiscale Solutions Inc., USA

Title: Analytical bond-order potential for aluminum
Xiao Wang Zhou, Sandia National Laboratories, USA

Group Photo @ Salon A

Lunch Break @ Event Center

Title: Effect of bio field treatment on the physical and thermal characteristics of silicon, Tin and lead powders
Shrikant Patil, Trivedi foundation, USA

Title: Metamaterials and their applications for astrophysical and medical domains
Frederique GADOT, University of South Paris, France

Title: Atomistic simulations of initial yield mechanism in ultrafine-grained metals
Tomohito Tsuru, Japan Atomic Energy Agency, Japan

Title: Understanding materials based on the electron work function
Dongyang Li, University of Alberta, Canada

Title: Physical characterization and microstructure evaluation of titanium dioxide semiconductor discs processed with binders
Shahida Begum, Universiti Tenaga Nasional, Malaysia

Title: Potential of microwave processed cordierite based glass-ceramic glazes for next generation floor tiles
Sumana Ghosh, Central Glass and Ceramic Research Institute, (CSIR), India

Coffee Break @ Event Center

Title: Mechanical behavior of pure aluminum processed by constrained groove pressing
Shantharaja M, Bangalore University, India

Title: Evaluation of material and mechanical properties of mullite bonded porous SiC ceramics prepared by an infiltration technique and conventional powder processing routes
Nijhuma Kayal, Central Glass and Ceramic Research Institute, (CSIR), India

Title: Characterization study of functionally graded metal ceramic composites fabricated by layer processing technique
Kumar R, M S Ramaiah Institute of Technology, India

Title: Enhanced performance of zinc oxide arrester by simple modification in processing and design
Shahida Begum, Universiti Tenaga Nasional, Malaysia

Title: Comparative Study of microstructure & mechanical properties of plain wire rod and TMT wire rod manufactured at Bhilai Steel Plant (BSP), India
Aparna Lohiya, Kansas State University, USA

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Fiji

Track 1: Materials Science and Engineering (Session 2)

Session Chair: Anand Chokkalingam, The University of Queensland, Australia

Session Co-Chair: Kholmurad Khasnov, M. V. Lomonosov Moscow State University, Russia

Session Introduction

Title: The effect of binder and pressure on the preparation of recycled soda lime silica glass composite bodies
Adele Dzikwi Garkida, Ahmadu Bello University, Nigeria

Title: Production of new conjugated polymer through maillard reaction between Durian Seed Gum (DSG) and Whey Protein Isolate (WPI)
Hamed Mirhosseini, University Putra Malaysia, Malaysia

Group Photo @ Salon A

Lunch Break @ Event Center

Title: Phenomena of interaction of external field and synthesis of new materials
Kholmurad Khasanov, M. V. Lomonosov Moscow State University, Russia

Title: Flow ability characteristics, functional properties and rheological properties of a natural carbohydrate-protein biopolymer
Bahareh Tabatabaee Amid, University Putra Malaysia, Malaysia

Title: Novel nanoporous superacids with ordered porous structure for fFine chemical synthesis
Chokkalingam Anand, The University of Queensland, Australia

Title: Computing macroscopic mechanical properties of heterogeneous composites
Hyunsun Lee, Hawaii Pacific University, USA

Title: Magnetoelectric and dielectric properties of $PbZr_{0.52}Ti_{0.48}O_3$-$Co_{0.6}Zn_{0.4}Mn_{0.3}Fe_{1.7}O_4$- $PbZr_{0.52}Ti_{0.48}O_3$ trilayer composites
Arti Gupta, University of Delhi, India

Track 3: Energy Materials

Session Chair: Satish K. Nune, Pacific Northwest National Laboratory, USA

Session Co-Chair: Takao Mori, National Institute for Materials Science (NIMS), Japan

Session Introduction

Title: Hierarchical nanoporous carbon architectures for super capacitor applications
Satish K. Nune, Pacific Northwest National Laboratory, USA

Coffee Break @ Event Center

Title: Developing high temperature thermoelectric materials through control of atomic and grain structure
Takao Mori, National Institute for Materials Science (NIMS), Japan

Title: Development and characterization of poly(arylene ether sulphone)based polymer electrolyte membranes for direct methanol fuel cell applications
Erde Can, Yeditepe University, Turkey

Title: Seeing small: Enabling new discoveries in energy materials through advanced transmission electron microscopy
Paulo J. Ferreira, University of Texas at Austin, USA

Title: A simple thermal plasma method to produce pure graphene flake structures
Ramona Pristavita, McGill University, Canada

Title: Beyond li-ion - A case for magnesium battery systems
Nikhilendra Singh, Toyota Research Institute of North America, USA

Title: Evolution of the flux combination for pelletization of high alumina iron ore fines
T. K. Sandeep Kumar, Lulea University of Technology, Sweden

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Tahiti

Track 4: Mining and Metallurgy
Track 5: Surface Science and Engineering

Session Chair: Raymundo Ordonez Olivares, University of Pittsburgh, USA

Session Co-Chair: Viswanathan S. Saji, Korea University, Republic of Korea

Session Introduction

Title: Strategic metals in the United States civil war
Charles D. Ross, Longwood University, USA

Title: Annealing behavior of titanium bearing HSLA steel through electron back scattering diffraction
R. Ordonez, University of Pittsburgh, USA

Group Photo @ Salon A

Lunch Break @ Event Center

Title: Electrochemical reduction of Eu (III) for the recovery of Eu from rare earth materials solution using turbulent-induced cell
Kyeong Woo Chung, Korea Institute of Geoscience and Mineral Resources, Korea

Title: Corrosion control and nanomaterials
Viswanathan S. Saji, Korea University, Republic of Korea

Title: High-wavelength, low-energy photochemical surface engineering
Jason R. Tavares, Polytechnique Montreal, Canada

Title: Catalyst surface design by molecular imprinting of oxide-supported ru complex catalyst for regioselective epoxidation
Satoshi Muratsugu, Institute for Molecular Science, Japan

Title: Creation of an environmental atlas for a quarry cluster
Sampath Kumar M.C, B.M.S College of engineering, India

Title: Recovery of valuable metals from spent SCR catalysts for de-NOx by soda roasting
Jin-Young Lee, Korea Institute of Geoscience & Mineral Resources, Korea

Coffee Break @ Event Center

Title: Optimization of coating parameters on coating morphology of basalt short fiber for preparation of Al/Ba salt metal matrix composites
S. Paul Vizhian, Bangalore University, India

Title: The hydrophobic to hydrophilic transition of graphene in the presence of H_2O molecules
Zhimin Ao, The University of Technology, Australia

Title: Effect of thermal treatment and rolling on mechanical properties and corrosion resistance of aluminum- hematite composite
C. N. Chandrappa, M S Ramaiah Institute of Technology, India

Title: Effect of particle size on mechanical properties of SiC particle-reinforced aluminium alloy composites
M. C. Krishnamurthy, BMS Evening College of Engineering, India

Title: Cutting force and surface roughness analysis using gray based taguchi method for turning operation
Umesh C. K, Bangalore University, India

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Day 2 October 08, 2013

Salon A

Track 2: Nanomaterials and Nanocomposites (Session 1 A)

Session Chair: Kytai T. Nguyen, University of Texas at Arlington, USA

Session Co-Chair: Ramesh K. Agarwal, Washington University in St. Louis, USA

Session Introduction

Title: Dual-imaging enable nanoparticles for diagnosis and therapy of prostate cancer
Kytai T. Nguyen, University of Texas at Arlington, USA
Title: Controlling the interfacial properties of carbon nanotubes
Kirk J. Ziegler, University of Florida, USA
Title: CFD Simulations of transport of atmospheric aerosols and nanoparticles in models of human respiratory system
Ramesh K. Agarwal, Washington University in St. Louis, USA
Title: Controlling interphase formations in polymer/nano-carbon composite fibers for improving mechanical performance
M. L. Minus, Northeastern University, USA
Title: Cutting edge developments in the analysis of protein colloids in amyloid fiber formation
Jonathan R. Anson, Florida Institute of Technology, USA
Title: Nanostructured composites for controlled drug delivery and stem cell functions
Huinan Liu, University of California at Riverside, USA

Coffee Break & Poster Presentations @ Event Center

Title: Precision manipulation, assembling, and actuation of nanoentities by electric tweezers
Donglei (Emma) Fan, The University of Texas at Austin, USA
Title: Site-targeting nanotherapeutics for micro vascular normalization
Kaustabh Ghosh, University of California, USA
Title: Properties and fabrication of functional oxide nanoparticles for future electronic devices
Keigo Suzuki, Murata Manufacturing Co.Ltd., Japan
Title: Smart nanostructured implants for regenerative nanomedicine
N. Benkirane-Jessel, French National Institute of Health and Medical Research, France

Lunch Break @ Event Center

Track 2: Nanomaterials and Nanocomposites (Session 1 B)

Session Chair: Farid Menaa, Fluorotronics Inc., USA

Session Co-Chair: Abdel Hadi Kassiba, University of Maine, France

Session Introduction

Title: Nanostructures for control of nansocale light-matter interaction
Ganapathi Subramania, Sandia National Laboratories, USA
Title: Popping up graphene oxide for capacitive applications
Lianxi Zheng, Nanyang Technological University, Singapore
Title: Functional nanocomposites based on silicon carbide nanoparticles: Selected insights on electronic and optical features
Abdel Hadi Kassiba, University of Maine, France
Title: Characterization and application of nanoalumina prepared by different routes
Nelcy D. S. Mohallem, Universidade Federal de Minas Gerais, Brazil
Title: Flame retardant nanocomposites for engineering application
R. Suresh, R V College of Engineering, India
Title: Preparation and wear characterisation of zirconium nano particle reinforced with Al356.1 aluminium alloy matrix
Chittappa H. C, Bangalore University, India
Title: Chiral quantum dots
Y. K. Gun'ko, Trinity College of Dublin, Ireland
Title: Graphene & derivatives: The G point in regenerative medicine?
Farid Menaa, Fluorotronics Inc., USA

Coffee Break @ Event Center

Title: Thermal stability and mechanical properties of nanostructured coatings for innovative applications in the oil and gas industry
F. Musharavati, Qatar University, Qatar
Title: Catalytic reactions on Pt nanoclusters. Size and coverage effects in CO oxidation and methanol decomposition
Sergey Dobrin, University of Toronto, Canada
Title: Graphite reinforced polymer nanocomposites for conducting packaging applications
Sarat K. Swain, Veer Surendra Sai University of Technology, India
Title: Biotemplated semiconductor/metal nanostructures - Their characteristic features and future prospects
Anil Kumar, Indian Institute of Technology Roorkee, India

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Track 2: Nanomaterials and Nanocomposites (Session 2)

Session Chair: Cengiz S. Ozkan, University of California Riverside, USA

Session Co-Chair: Hai- Feng Frank Ji, Drexel University, USA

Session Introduction

Title: Nanoparticles in humans: Experiments, methods and strategies
Lev S. Ruzer, Lawrence Berkeley National Laboratory, USA
Title: Needleless electrospinning of nanofiber nonwovens and highly-twisted nanofiber yarns
Tong Lin, Deakin University, Australia
Title: Self assembled organic and organic-Inorganic nanopillars
Hai-Feng Frank Ji, Drexel University, USA
Title: Van der Waals interaction between nanostructures
Jianmin Tao, Tulane University, USA
Title: Nanostructured materials for advanced energy storage
Cengiz S. Ozkan, University of California Riverside, USA
Title: Synthesis and self-assembly of dielectric nanocubes
Dewei Chu, University of New South Wales, Australia

Coffee Break & Poster Presentations @ Event Center

Title: Aerosols handbook: Measurement, dosimetry, and health effects
Lev S. Ruzer, Lawrence Berkeley National Laboratory, USA
Title: Titanium dioxide based nanostructured polycarbazole reinforced Organic-Inorganic composite material
Mohammad Shakir, Aligarh Muslim University, India
Title: Design of nanoporous cluster-assembled materials
Jon M. Matxain, University of the Basque Country, Spain
Title: Origin of huge coercivity in iron oxide ε-Fe2O3
Marie Yoshikiyo, The University of Tokyo, Japan
Title: Interface engineering of CeO_2 nanostructure based memristors
Adnan Younis, University of New South Wales, Australia

Lunch Break @ Event Center

Track 6: Biomaterials and Tissue Engineering

Session Chair: Narayan Bhattarai, North Carolina A&T State University, USA

Session Co-Chair: Hongjing Dou, Shanghai Jiao Tong University, China

Session Introduction

Title: The Effect of polymer/ceramic scaffold architecture and composition on the growth of MC3T3 osteoblastic cell line
Amy Yousefi, Miami University, USA
Title: Functional electrospun nanofibers for biomedical applications
Narayan Bhattarai, North Carolina A&T State University, USA
Title: *In vitro* and *ex vivo* toxicology of antimicrobial conjugated electrolytes: Interactions with mammalian cells
Heather Canavan, University of New Mexico, USA
Title: Osteoporosis treatment of hybrid biomaterial chitosan- bioactive glass graft: Effects on bone remodeling
Hassane Oudadesse, University of Rennes1, France
Title: Solid-liquid multiphase simulation of protein-surface interaction and protein adsorption on polymer surfaces
P. K. Biswas, Tougaloo College, USA
Title: Revolutionizing metallic biomaterials for biodegradable implants
J. Sankar, North Carolina A&T State University, USA
Title: Electrochemical synthesis and evaluation of platinum-iridium-oxide thin film for biomedical applications
Artin Petrossians, University of Southern California, USA
Title: Hierarchical scaffolds produced by a hybrid solid free form fabrication/thermally-induced phase separation technique
Amy Yousefi, Miami University, USA

Coffee Break @ Event Center

Title: Medical applications of amphiphilic comb type graft copolymer containing inorganic nanoparticles
Derya Burcu Hazer, Mugla Sitki Kocman University, Turkey
Title: Structured PEGs for manipulation of biological macromolecules
Kazushi Kinbara, Tohoku University, Japan
Title: Bulk compounding of PCL-PEO blends for 3D plotting of scaffolds for cardiovascular tissue engineering
K. Ragaert, Ghent University, Belgium
Title: Advancement in tissue engineering scaffold development: Rapid prototyping technology
Md Enamul Hoque, University of Nottingham Malaysia Campus, Malaysia
Title: Enhanced effect of silver nanoparticles on the bioactivity of hydroxyapatite nanocomposite
A. A. Mostafa, University of Rennes 1, France
Title: Facile preparation of multi-scaled quantum dot barcodes and their application in multiplexed hepatitis B detection
Hongjing Dou, Shanghai Jiao Tong University, China
Title: Reprogramming macrophages to combat cancer by engineering polymer surface properties
Kaitlin M. Bratlie, Iowa State University, USA

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Day 3 October 09, 2013

Salon A

Track 7: Materials Chemistry (Organic and inorganic) and Sustainable Chemistry
Track 8: Biophysics & Systems Biology

Session Chair: Shin-ichi Ohkoshi, The University of Tokyo, Japan

Session Co-Chair: Toshio Naito, Ehime University, Japan

Session Introduction

Title: Giant vesicles prepared by nitroxide-mediated photo-controlled/ living radical polymerization-induced self-assembly
Eri Yoshida, Toyohashi University of Technology, Japan
Title: Production of jet and diesel fuel blend stocks from dienes via catalysis
Padmaja Gunda, Pacific Northwest National Laboratory, USA
Title: Novel functionalities on metal complex material and metal oxide-based nanomaterial
Shin-ichi Ohkoshi, The University of Tokyo, Japan
Title: Reversible and simultaneous control of conduction and magnetism in organic materials by UV irradiation
Toshio Naito, Ehime University, Japan
Title: Hepatic and renal toxicity of cadmium in protein malnourished rats
Syed Saleem Husain, Jazan University, KSA

Coffee Break @ Event Center

Title: The study of rhodium substituted ε-iron oxide nanomagnets exhibiting gigantic coercive field, high frequency millimeter wave absorption
Asuka Namai, University of Tokyo, Japan
Title: Evaluation of effect of different solvents on the oxidation of benzyl alcohol & cyclohexanol using modified clays
N. Suma, Global Academy of Technology, India

Track 9: Optics and Laser Technology
Track 10: Advances in Instrumentation Technology
Track 11: Emerging Areas of Materials Science

Session Chair: Avin Pillay, The Petroleum Institute, UAE

Session Co-Chair: Victor Abrukov, Chuvash State University, Russia

Session Introduction

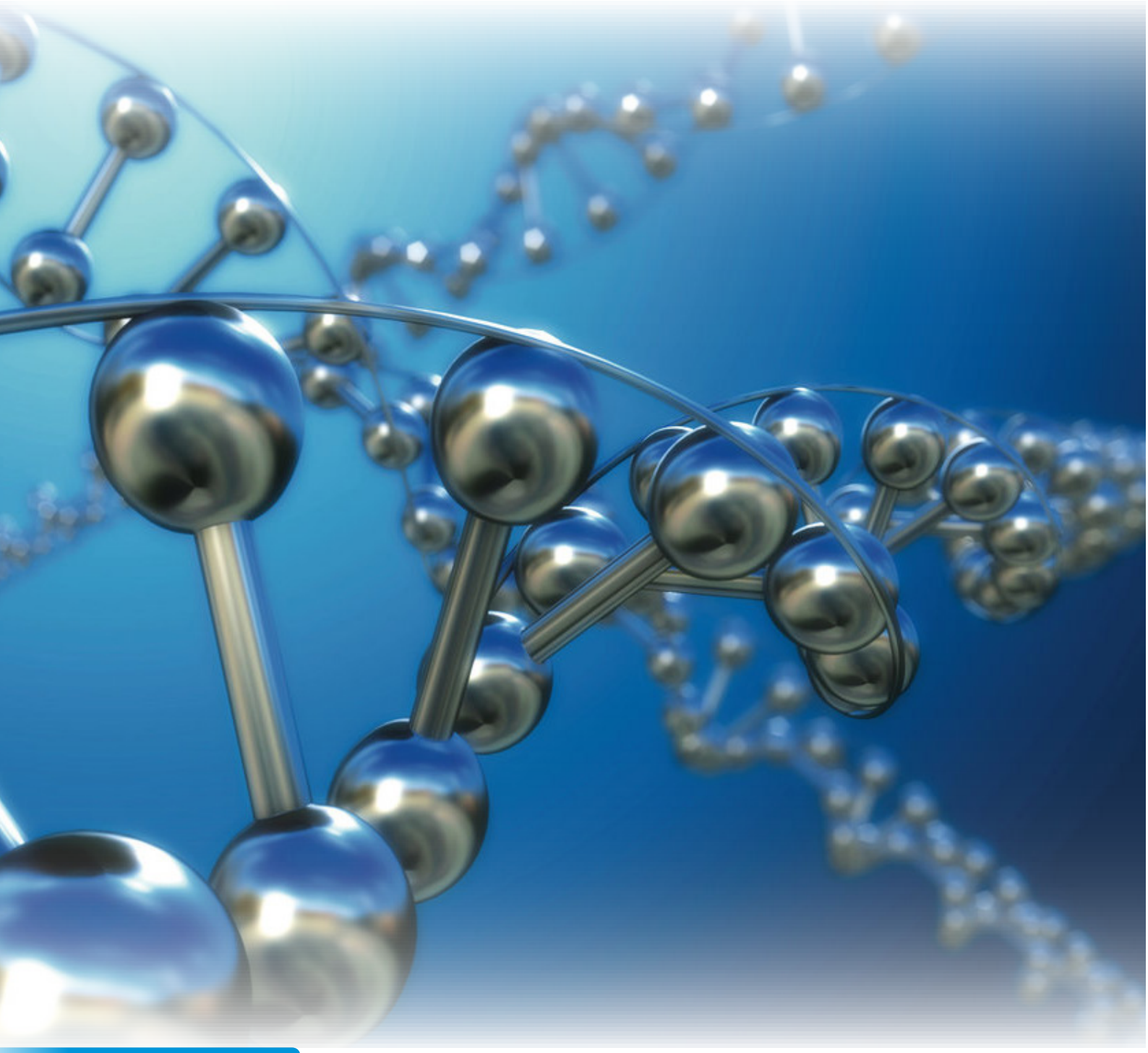
Title: Atomic-level precise artificial atom towards material innovation
Norifusa Satoh, National Institute for Materials Science, Japan
Title: High-speed atomic force microscopy for video imaging of functioning biological molecules
Noriyuki Kodera, Kanazawa University, Japan
Title: Antimicrobial surfaces containing immobilized photosensitizers
Marina Nisnevitch, Ariel University, Israel
Title: PAC Spectroscopy: A technique to characterize materials at an atomic scale
R. Dogra, Beant College of Engineering & Technology, India

Lunch Break @ Event Center

Title: An educational perspective on Materials Science
Souhaila F. Almutawa, Kuwait University, Kuwait
Title: In-homogenous broadening in InP/AlGaInP quantum dot laser structures
Mohammed Saad Al-Ghamdi, King Abdulaziz University, Saudi Arabia
Title: Geometric stabilities, electronic and magnetic properties of stable palladium adsorption on graphene-A first principle study
Md Mahmudur Rahman, Universiti Putra Malaysia, Malaysia
Title: Novel approach for deep-UV depth-profiling studies (ICP-MS) of soft waxes and asphaltenes using liquid nitrogen pre-treatment
Avin Pillay, The Petroleum Institute, UAE

Title: A new material experiment: Data mining for modeling, data mining for presentation
Victor Abrukov, Chuvash State University, Russia
Title: Development of a radial basis function neural network for the recognition of common phases Present in carbon steel metallographs
Sara E. McCaslin, The University of Texas at Tyler, USA

Coffee Break @ Event Center



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