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Tentative Program

8th International Conference on

Environmental Chemistry and Engineering

September 20-22, 2018 Berlin, Germany



For available speaker slots

environmental@chemistryconference.org

300+ Participation

14+ Interactive Sessions

15+ Keynote Lectures

75+ Plenary Lectures

5+ Workshops

Conference Secretariat
Kemp House, 152 City Road, London EC1V 2NX, United Kingdom
Phone:+448000148923 Fax: +442030041517
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http://environmentalchemistry.conferenceseries.com/

8th International Conference on

Environmental Chemistry and Engineering

September 20-22, 2018 Berlin, Germany

Program at a Glance

Day 1

Morning Sessions / Evening Sessions — 19 Speakers for Day 1

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)		
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)	

Day 2

Morning Sessions / Evening Sessions — 30 Speakers on Day 2

	Time	Session 1	Session 2
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)
Poster Sessions			
Coffee/Tea Break 15.05-15.20 (Networking)			
15.20-17.00		5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)

Day 3

Morning Sessions / Evening Sessions — 30 Speakers on Day 2

	Time	Session 1	Session 2
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)
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 Cermony			
NOTE: Program Shedule is subject to change with final allotment of the speaker slots			
environmental@chemistryconference.org			

Note: Workshops and Symposia slots are available. To book slot for Workshop and Symposium send us the proposal

Call for Abstract: http://environmentalchemistry.conferenceseries.com/call-for-abstracts.php

Registration: http://environmentalchemistry.conferenceseries.com/registration.php

Abstract Submission: http://environmentalchemistry.conferenceseries.com/abstract-submission.php

e-Poster: http://environmentalchemistry.conferenceseries.com/eposter-presentation.php

Glimpses of Environmental Chemistry Conferences





















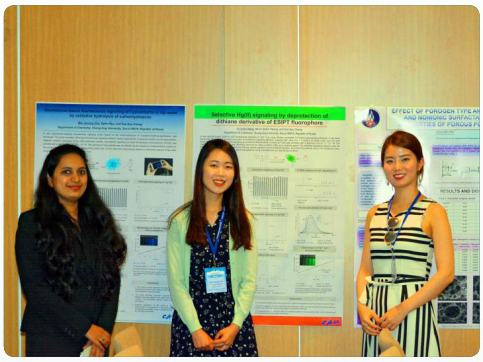




Glimpses of Environmental Chemistry Conferences













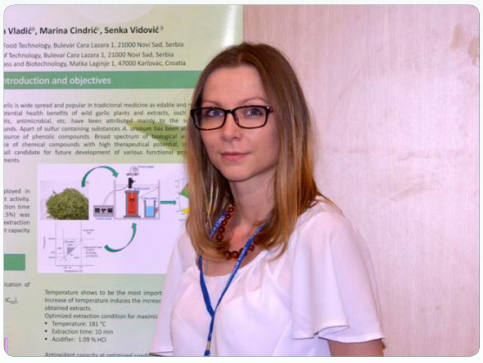












Major Scientific Sessions

- Environmental Disasters
- Environmental Biotechnology and Molecular biology
- Environmental Ecosystem
- Environmental Technologies and sustainability Metrics
- Earth and Geochemistry
- Biogeochemical cycle
- Human population growth and Environment
- Environmental Education
- Environmental Chemistry and Engineering
- Environmental Biotechnology
- Pollution Control Chemistry and Green Chemistry
- Environmental Toxicology and Mutagenicity
- Energy and Environment
- Applications of Environmental Chemistry
- Environmental Design
- Environmental Hazards
- Chemical and Polymer Engineering
- Environmental Management and Policy
- Environmental Biology
- Environmental science
- Renewable Energy Sources and Storages
- Environmental Climatic factors

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
environmental@chemistryconference.org

Conference Venue

Berlin, Germany

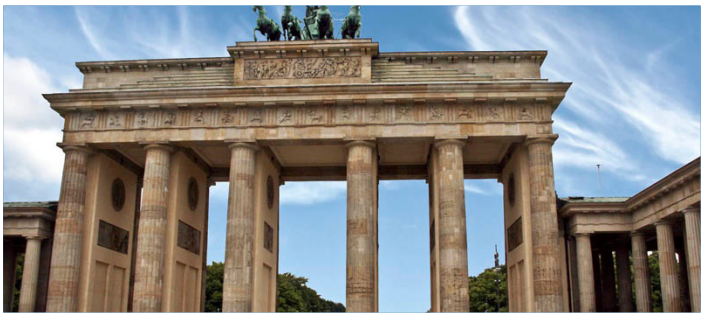
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Best Tourist Destinations in Berlin



Brandenburg Gate



Charlottenburg Palace



Memorial Church



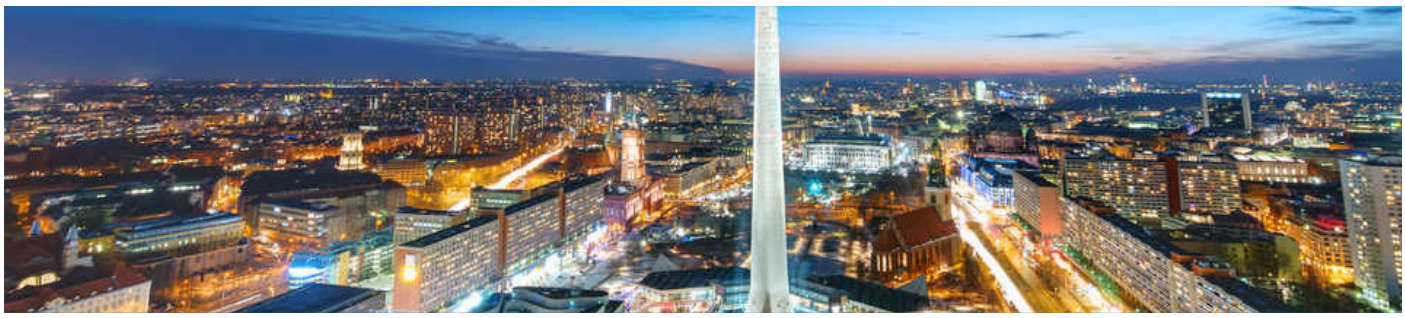
Museum Island



Pergamon-Museum



Reichstag



Berlin Television Tower

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Scientific Program

6th International Conference on

Environmental Chemistry and Engineering

July 24-25, 2017 Rome, Italy



Day 1 July 24, 2017

Registrations

Olimpica 2

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Opening Ceremony

Keynote Forum

Introduction

Title: Greener strategies for organics and nanomaterials: sustainable applications of magnetic nanocatalysts and modified graphitic carbon nitrides

Rajender S. Varma, Palacky University, Czech Republic and Cincinnati, USA

Title: Valorizing Lignin

Arthur Ragauskas, The University of Tennessee, USA

Title: Novel heterogeneous catalysts and processes for biomass derivatives transformations into fuels and chemicals

Marcelo E. Domine, Instituto de Tecnología Química (UPV - CSIC), Spain

Title: Ionically conducting materials as effective catalyst supports with potential implementations in emissions control catalysis

Ioannis V Yentekakis, Technical University of Crete, Greece

Networking & Refreshments

Sessions: Green Catalysis | Green Synthesis/Reactions | Green Chemistry

Session Chair: Shuji Akai, Osaka University, Japan

Session Co-chair: Karine de Oliveira Vigier, University of Poitiers, France

Session Introduction

Title: Lipase-metal integrated catalysis for quantitative conversion of racemic alcohols into optically pure compounds

Shuji Akai, Osaka University, Japan

Title: Catalytic conversion of carbohydrates in the presence of choline chloride : Use of deep eutectic solvents

Karine de Oliveira Vigier, University of Poitiers, France

Title: Elucidation of the electronic structure of metal-oxo reactive species in porous media for the oxidation of methane and ethane

Konstantinos D. Vogiatzis, The University of Tennessee, USA

Title: Readily available homogeneous and heterogeneous catalysts for the cycloaddition of CO_2 to epoxides: A low carbon-footprint perspective

Valerio D' Elia, Vidyasirimedhi Institute of Science and Technology, Thailand

Title: A single enzymatic approach for deracemization of secondary alcohols

Musa M. Musa, King Fahd University of Petroleum and Minerals, Saudi Arabia

Title: Flow microreactors enables green chemistry approach for organolithium chemistry

Aiichiro Nagaki, Kyoto University, Japan

Title: Expanding the reaction space of aldolases using hydroxypyruvate as a nucleophilic substrate

Virgil Helaine, Université Clermont Auvergne, France

Group Photo

Lunch Break

Sessions: Environmental Chemistry | Environmental Toxicology and Mutagenicity | Renewable Energy Sources and Storages

Session Chair: Angelo Nacci, University of Bari, Italy

Session Co-chair: Maria Michela Dell'Anna, Polythecnic University of Bari, Italy

Session Introduction

Title: An assessment of air quality in the surrounding holy places of Mecca, Saudi Arabia during Hajj

Haider A Khwaja, University at Albany, USA

Title: Nanostructured materials for green catalysis

Angelo Nacci, University of Bari, Italy

Title: Carbon-enhanced manufacturing and digitalization supporting cycle economy

Dominik Rohrmus, Siemens AG, Germany

Title: Catalytic activity and recyclability of polymer supported palladium or nickel nanoparticles in organic reactions in water

Maria Michela Dell'Anna, Polythecnic University of Bari, Italy

Title: A novel mechanism for BPA-triggered hepatic steatosis

Sijun Dong, Institute of Urban Environment - CAS, China

Title: Electrocatalytic production of hydrogen using iron sulfur cluster

Khalaf M Alenezi, University of Hail, KSA

Networking & Refreshments

Title: Heavy metals in seawater from Marmara sea, Istanbul

Gökberk Kara, Marmara University, Turkey

Title: Dosing of proper oxidizing agents pretreatment to Kalatuwawa water to reduce the Trihalomethane (THM) formation in drinking water

Jayalal L P R Wijesinghe, National Water Supply and Drainage Board, Sri Lanka

Title: Preparation of Yb^{3+} doped microspherical BiOI and its photocatalytic activity for the degradation of rhodamine B in water

Linping Zhang, Donghua University, China

Title: Removal of Carbon Dioxide and Sulphur Dioxide from flue gas streams using membrane gas–liquid contactor

Seyed Mojtaba Mirfendereski, Beheshti University,Tehran, Iran

Title: Assessment of Polynuclear Aromatic Hydrocarbons (PAHs) in local steak (suya) samples in Makurdi town, Benue State-Nigeria

Ubwa S T, Benue State University, Nigeria

Title: Using electrocoagulation to remove chloride and ammonium from reject brine treated by solvay process

Miada A Ali, United Arab Emirates University, UAE

Panel Discussion

Day 2 July 25, 2017

Olimpica 2

Keynote Forum

Introduction

Title: Toward carbon fibers from single component kraft lignin systems: An application of green chemistry with forest biomaterials

Dimitris S. Argyropoulos, North Carolina State University, USA

Title: C-H free metal-organic green catalysts

Sergiu. M. Gorun, Seton Hall University, USA

Title: Sustainable production means rational entropy management

J. Michael Köhler, Technical University of Ilmenau, Germany

Title: Novel macroporous cryogels with enhanced adsorption capability for the removal of Cu(II) ions from aqueous phase: Modeling, kinetics and recovery studies

Ufuk Yildiz, Kocaeli University, Turkey

Networking & Refreshments

Sessions: Green Materials | Green Energy | Green Chemistry

Session Chair: Vassiliki-Alexandra Glezakou, Pacific Northwest National Laboratory, USA

Session Co-chair: Takeo Sasaki, Tokyo University of Science, Japan

Session Introduction

Title: Molecular simulations turn 'green': An integrated approach to accelerate the development of CO_2 capture solvents

Vassiliki-Alexandra Glezakou, Pacific Northwest National Laboratory, USA

Title: Photo-detachable adhesives composed of photo-depolymerizable Poly(olefin sulfone)s

Takeo Sasaki, Tokyo University of Science, Japan

Title: Vanillin: A renewable and versatile platform chemical for sustainable polymers

Joseph F. Stanzione III, Rowan University, USA

Title: Hydrogen peroxide - oxidation reactions under microwave irradiation

Dariusz Bogdal, Cracow University of Technology, Poland

Title: Supercritical fluid technology for greener processes

Youn-Woo Lee, Seoul National University, Korea

Title: Graphene-based material for oil spill removal

Annalisa Pola, Directa Plus SpA , Italy

Title: Chemical markers for the characterization of bioaerosol

Francesca Buiarelli, University of Rome "La Sapienza", Italy

Group Photo

Lunch Break

Title: Clean and sustainable liquid hydrogen storage materials

Chang Won Yoon, Korea Institute of Science and Technology, Republic of Korea

Title: Challenges of green chemistry for value added products

Ahindra Nag, Indian Institute of Technology, Kharagpur, India

Title: Waste biomass derived aqueous extracts as alternative green solvent media for organic transformations

Diganta Sarma, Dibrugarh University, India

Title: Water quality of the Chelif river in the Mostaganem area (North-West of Algeria)

Batoul Benkaddour, Mostaganem University, Algeria

Title: Global atmospheric emissions of toxic heavy metals from anthropogenic sources under multi-scale regions

Hezhong Tian, Beijing Normal University, China

Title: Removal of oil hydrocarbons using the grass *Panicum máximum* and a bacterial consortium in contaminated soil

S M Contreras-Ramos, CIATEJ, Mexico

Workshop

Title: Sustainable processing of biomass and its derivatives

Marcelo E. Domine, Instituto de Tecnología Química (UPV - CSIC), Spain

Networking & Refreshments

Poster Presentations 16:35- 17:35 @ Foyer

Poster Judges: Dariusz Bogdal, Cracow University of Technology, Poland
Ufuk Yildiz, Kocaeli University, Turkey

EGCPP01 **Title: Green synthesis of new chiral halogenated imines derived from Benzo[b]thiophene-2-carboxaldehyde**

Andrea Moreno-Ceballos, Universidad Autónoma de Puebla, Mexico

EGCPP02 **Title: Green synthesis of chiral imines and their Zn(II) complexes**

Daniela Gutiérrez, Universidad Autónoma de Puebla, Mexico

EGCPP03 **Title: Green synthesis of a chiral imine and its Pd(II) complex**

Gloria E. Moreno, Universidad Autónoma de Puebla, Mexico

EGCPP04 **Title: Solvent-free mechanochemical obtention of phenol-N-aminal aggreagates**

John Sadat-Bernal, Universidad Militar Nueva Granada (UMNG), Colombia

EGCPP05 **Title: Solvent-free procedure for the synthesis of tetrahydrosalen (H4salen) ligands by a solid state reaction using sodium borohydride as a reducing agent**

Jaime Ríos-Motta, Universidad Nacional de Colombia, Colombia

EGCPP06 **Title: Green synthetic approaches for medium ring-sized and linear Benzylimidazolidine oligomers**

Augusto Rivera, Universidad Nacional de Colombia, Colombia

EGCPP07 **Title: Prediction of cellulose dissolution in ionic liquids using molecular descriptors based QSAR model**

Chan Kyung Kim, Inha University, Korea

EGCPP08 **Title: Methane steam reforming through shell-and-tube heat exchanging reformer to improve heat transfer rate from low temperature heat source**

Sangseok Yu, Chungnam National University, South Korea

EGCPP09 **Title: Two-dimensional inorganic electride promoted electron transfer efficiency in transfer hydrogen reactions of carbon-carbon multiple bonds**

Ye Ji Kim, Sungkyunkwan University, Republic of Korea

EGCPP10 **Title: Enhanced GABA production via protein complex of *Pyrococcus horikoshii* glutamate decarboxylase and Escherichia coli GABA transporter**

Soon Ho Hong, University of Ulsan, Korea

EGCPP11 **Title: Ammonia borane as hydrogen storage material: Study of some of its clusters**

Cacier Zilahy Hadad, Universidad de Antioquia, Colombia

EGCPP12 **Title: Accelerated solvent extraction as an alternative tool for extraction of chlorogenic acid from Cynara scolymus leaves**

Ibrahim Ahmed Saleh, National Research Centre, Egypt

EGCPP13 **Title: Manganese-salan complex immobilized on reduced graphene oxide: A recyclable catalyst for aerobic enantioselective epoxidation of olefins**

Hassan Hosseini-Monfared, University of Zanjan, Iran

EGCPP14 **Title: Comparison of net GHG emissions between separated system and crop-swine integrated system in the North China Plain**

Zhejin Li, China Agricultural University, China

EGCPP15 **Title: Dehydration of sugars from grape juice waste by Microwave Radiation**

Almudena Lorente, University of Castilla La Mancha (UCLM), Spain

EGCPP16 **Title: Structure and Electrochemical properties of recycled active electrodes from spent lead acid battery and modified with different manganese dioxide contents**

Simona Rada, Technical University of Cluj-Napoca, Romania

EGCPP17 **Title: Survey analysis of dental ceramic materials based on yttria oxide-stabilized zirconia**

Marius Rada, National Institute for R&D of Isotopic and Molecular Technologies, Romania

EGCPP18 **Title: Low-temperature hydrogenation of carbon dioxide to methanol using a homogeneous cobalt catalyst**

Rauf Razzaq, Leibniz-Institute for Catalysis e.V. University of Rostock, Germany

EGCPP19 **Title: Metal-free aerobic oxidative coupling of thiols for synthesis of disulfides and sulfenamides**

Liting Yang, Zhengzhou University, China

EGCPP20 **Title: Ab initio calculation of structural and elastic properties of Mg_2Sn and Mg_2Pb compounds**

Yassine Chaouche, University of Larbi Tébessi, Algeria

EGCPP21 **Title: Efficient extraction and functionalization of cellulose nanocrystals through hydrochloric acid hydrolysis under hydrothermal conditions**

Miao Cheng, Donghua University, China

EGCPP22 **Title: Design and development of an advanced solar module for a cruiser vehicle**

Alberto Lucci, University of Bologna, Italy

EGCPP23 **Title: Using finite elements for improving the sustainability in ceramic processes**

Giuseppe Lucisano, University of Bologna, Italy

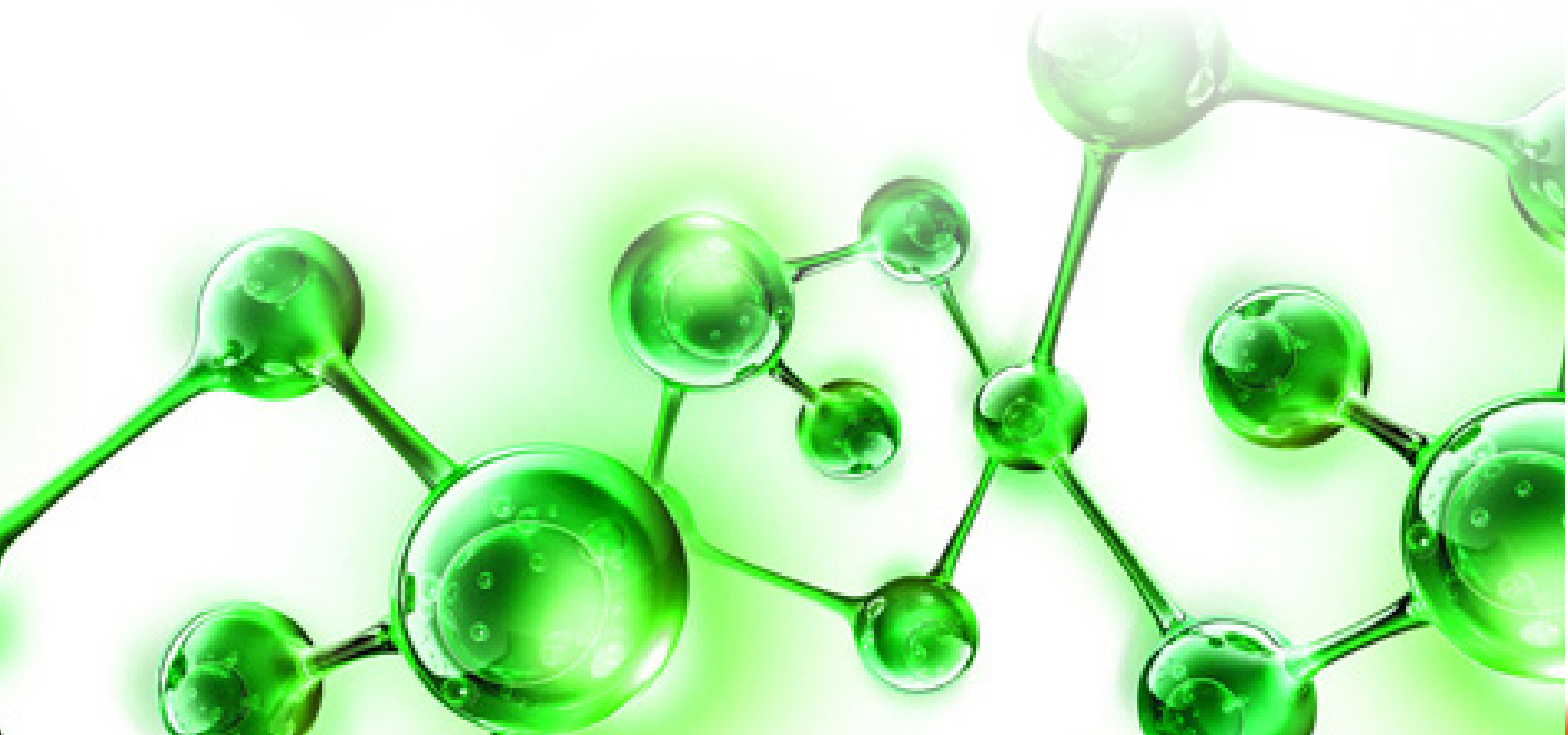
EGCPP24 **Title: Investigation of impact in biocomposites for application in solar vehicles**

Felipe Vannucchi de Camargo, University of Bologna, Italy

EGCPP25	**Title: Assessing the vulnerability of freshwater fish in Canada's eastern boreal to climate change** **Michael van Zyll de Jong,** Memorial University, Canada
EGCPP26	**Title: Hydrophobic sorption of the soil treated with *giant Miscanthus*-derived biochar as a function of aging period** **Seunghun Hyun,** Korea University, South Korea
EGCPP27	**Title: Characteristics of bio-oil produced by the Pyrolysis of mixed waste tire and biomass** **Ozlem Onay,** Anadolu University, Turkey
EGCPP28	**Title: Treatment of hazardous waste incineration plant effluent by novel hydrogels** **Ömer F Kemik, İZAYDAŞ, Turkey**
EGCPP29	**Title: Lithium tetrathiafulvalene carboxylate assisted inductively coupled plasma mass spectrometry determination of total mercury in air particulate matter supported by electrochemical study of preservation effects** **Maja Budanovic,** Nanyang Technology University, Singapore
EGCPP30	**Title: Biological nutrient removal: The effect of organic load** **Tea Širac,** University of Zagreb, Croatia
EGCPP31	**Title: Numerical and experimental investigation of mixture uniformity and predicted performance of Urea-SCR system with vandium-based catalysts based NH3-Temperature programming disorption experiment** **Changhee LEE,** Songwon University, South Korea
EGCPP32	**Title: Physicochemical and bacteriological analyses of water samples from hand dug wells in Lafia metropolis, Nasarawa State, Nigeria** **Abel Augustine,** Federal University Lafia, Nigeria
EGCPP33	**Title: COX free hydrogen production for fuel cell applications using cobalt incorporated carbon supported material** **Aytak Mammadli,** Gazi University, Turkey
EGCPP34	**Title: Development of a simple biogas digester as a source of renewable energy and sustainable livelihood** **Lamfu Fabrice Yengong,** University of Buea, Cameroon
EGCPP35	**Title: Determination of residues levels of seven pesticides in tomatoes samples taken from three markets in Khartoum state** **Ahmed Hammad,** University of Khartoum, Sudan

Panel Discussion

Networking & Refreshments



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5th International Conference on

Environmental Toxicology and Ecological Risk Assessment

September 12-13, 2016 Phoenix, USA

Scientific Program



Registrations

Hall A

conferenceseries.com

Opening Ceremony

Keynote Forum

Introduction

Title: Assessment of climate change impacts on air temperature, precipitation, and human health; a specific example and some universal recommendations
L DeWayne Cecil, Sustainable earth observation systems LLC, USA

Title: Reducing agricultural pesticide poisoning in sub-Sahara Africa: Beyond zero-risk
Oluro minivi Ibitayo, Texas Southern University, USA

Panel Discussion

Networking & Refreshment Break

Group Photo

Title: Environmental melamine exposure and renal diseases
Ming-Tsang Wu, Kaohsiung Medicine University, Taiwan

Sessions on:
Environmental Toxicity & Sciences | Environmental Chemistry | Global Warming

Session Chair: Mei-Ling Hsu, National Chengchi University, Taiwan
Session Co-Chair: Gonzalez-Acevedo Zayre I, Mexican Center of Innovation on Geothermal Energy, Mexico

Session Introduction

Title: An analysis of the effect of argon on methane dry reforming using dielectric barrier discharge
Maryam Khoshtinat Nikoo, Independent Researcher, California, USA

Title: Probing toxicologically relevant interactions of inorganic pollutants in the bloodstream
Jurgen Gailer, University of Calgary, Canada

Title: Desalination of Cd2+ and Pb2+ from wastewater by *Aspergillus niger* decomposed *Citrus limetta* peel powder
Vinit Prakash, Maharishi Markandeshwar University, India

Title: Fertilizer and management strategies for reducing greenhouse gas emissions while optimizing grain yields from US rice and maize systems
Maria Arlene Adviento-Borbe, Delta Water Management Research Unit, USA

Panel Discussion

Lunch Break

Title: Solvent-free biodiesel epoxidation
Diego Defferrari, Federal University of Rio Grande do Sul, Brazil

Title: Exploring the impact of global warming media use, energy saving and carbon emission reduction coverage on environmental actions
Huiping Huang, National Chiao Tung University, Taiwan

Title: Environmental baseline of geothermal sites
Gonzalez-Acevedo Zayre I, Mexican Center of Innovation on Geothermal Energy, Mexico

Title: Deltamethrin induced changes in endocrine glands in Heteropneustes fossilis
Suresh Kumar, Chhaju Ram Memorial Jat College, India

Title: Trends and changes of factors contributing to low-carbon practices among Taiwanese public: A four-wave longitudinal comparison (2009-2015)
Mei-Ling Hsu, National Chengchi University, Taiwan

Panel Discussion

Networking & Refreshment Break

Title: Waste management as a means to mitigate environmental toxicity in developing countries

Aremu Adeola Enoch, Glasgow Caledonian University, UK

Title: Assessment of organochlorine pesticide residues in raw food samples from open markets in two African cities

Yannick Belo Nuapia, University of Kinshasa, DR Congo

Title: Development of glass bead retro-reflective envelope to mitigate the urban heat island and reduce building energy consumption

Jihui Yuan, Huazhong University of Science and Technology, China

Title: Selenium in Brazil nut "milk": Is it safe?

Ariane M Kluczkovski, Federal University of Amazonas, Brazil

Panel Discussion

Day 2 September 13, 2016

Hall A

Registrations

Keynote Forum

Title: The bloodstream as a critical site to discover environmental causes for disease

Jurgen Gailer, University of Calgary, Canada

Sessions on:

Aquatic Toxicity | Ecotoxicology | Environmental Stressors | Health Sciences & Risk Assessment

Session Chair: Huiping Huang, National Chiao Tung University, Hsinchu, Taiwan

Session Co-Chair: Jihui Yuan, Huazhong University of Science and Technology, China

Session Introduction

Title: Intake of phthalate-tainted foods and microalbuminuria in children: the 2011 taiwan food scandal

Ming-Tsang Wu, Kaohsiung Medicine University, Taiwan

Title: The occurrence of the invasive *foraminifera Trochammina hadai* (Uchio) in Ubatuba, SP, Brazil

Patrícia P B Eichler, Universidade do Sul de Santa Catarina, Brazil

Title: Optimization of growth conditions for laboratory and field assessments using immobilized benthic diatoms

Tania Vidal, University of Aveiro, Portugal

Panel Discussion

Networking & Refreshment Break

Title: Cyanobacteria and diatoms as indicators of geothermal and anthropogenic impact in Los Negritos, Michoacán, México

Estrella Nunez-Zarco, Mexican Center of Innovation in Geothermal Energy, Mexico

Title: Presence and distribution of heavy metal in raw food samples from open markets from johannesburg, south africa and kinshasa, democratic republic of South Africa

Yannick Belo Nuapia, University of Kinshasa, South Africa

Title: Toxicity induced by Gadolinium ions on sea urchin embryos: Comparison among phylogenetically distant species and focus on stress response and skeletogenesis

Chiara Martino, University of Palermo, Italy

Title: A sustainability evaluation framework for science and technology institutes: An International comparative analysis

Rafael Gustavo de Lima, Federal University of Santa Catarina, Brazil

Panel Discussion

Video presentation

Title: Environmental risk assessment of hospital wastewater in Enugu, Nigeria

Eze Chukwuebuka ThankGod, Federal University Oye-Ekiti, Nigeria

Lunch Break

Closing & Award Ceremony

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683rd Conference

Accredited cpd Course

Scientific Program

3rd International Conference on

Past and Present Research Systems of Green Chemistry

September 19-21, 2016 Las Vegas, USA



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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

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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

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

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

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

Day 2 September 20, 2016

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

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

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

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

Poster Presentations 16:00-17:00 @ Atrium

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

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

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

IGCC-004
Title: Preparing Ag/Al_2O_3 catalyst with AlN addition to improve the low temperature reduciton activity of NOx by ethanol
Hua Deng, Institute of Urban Environment, Chinese Academy of Sciences, China

IGCC-005 **Title: [DBU-H]$^+$ and H_2O as effective catalyst form for 2,3-dihydropyrido[2,3-d]pyrimidin-4(1H)-ones: A DFT Study**

Haiyan Yuan, Northeast Normal University, China

IGCC-006 **Title: Design, synthesis and antibacterial studies 3-methlyquinoxaline-2-hydrazone derivatives**

Taiwo Festus Osho, Obafemi Awolowo University, Nigeria

IGCC-007 **Title: Photocatalytic reduction of CO_2 by (Cu/ZnO)@C yolk-shell nanoreactors**

H Paul Wang, National Cheng Kung University, Taiwan

IGCC-008 **Title: Improvement of H_2O and SO_2 tolerance of Nb-modified VOx/CeO_2 catalysts for NH_3-SCR at low temperatures**

Zhihua Lian, Institute of Urban Environment, Chinese Academy of Sciences, China

IGCC-009 **Title: Fabrication of reusable magnetic multi-wall carbon nanotube-TiO_2 nanocomposite by electrostatic adsorption**

Ghazale Daneshvar Tarigh, University of Tehran, Iran

IGCC-010 **Title: Characterization and thermal properties of 2-thiocoumarin, NLO single crystal**

K Sambathkumar, A A Govt Arts College, India

IGCC-011 **Title: Zirconyl chloride catalysed synthesis of 2,2'-arylmethylene bis(3-hydroxy-5,5-dimethyl-2-cyclohexene-1-ones) under green chemistry conditions**

Anju bajwan, Maharshi Dayanand University, India

Day 3 September 21, 2016

Flamingo 1

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

Session Introduction

Session Chair: Andrew C Flick, Pfizer Global Research and Development, USA

Session Chair: Kavita Shah, Banaras Hindu University, India

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

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

B2B Meetings & Award Ceremony

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Scientific Program

European Chemistry Congress

June 16-18, 2016 Rome, Italy



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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

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

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

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

Poster Presentations @ 10:15-11:40	
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: 12:20-13:00 @ 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

Poster Presentations @ 15:20-16:00

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

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

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

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

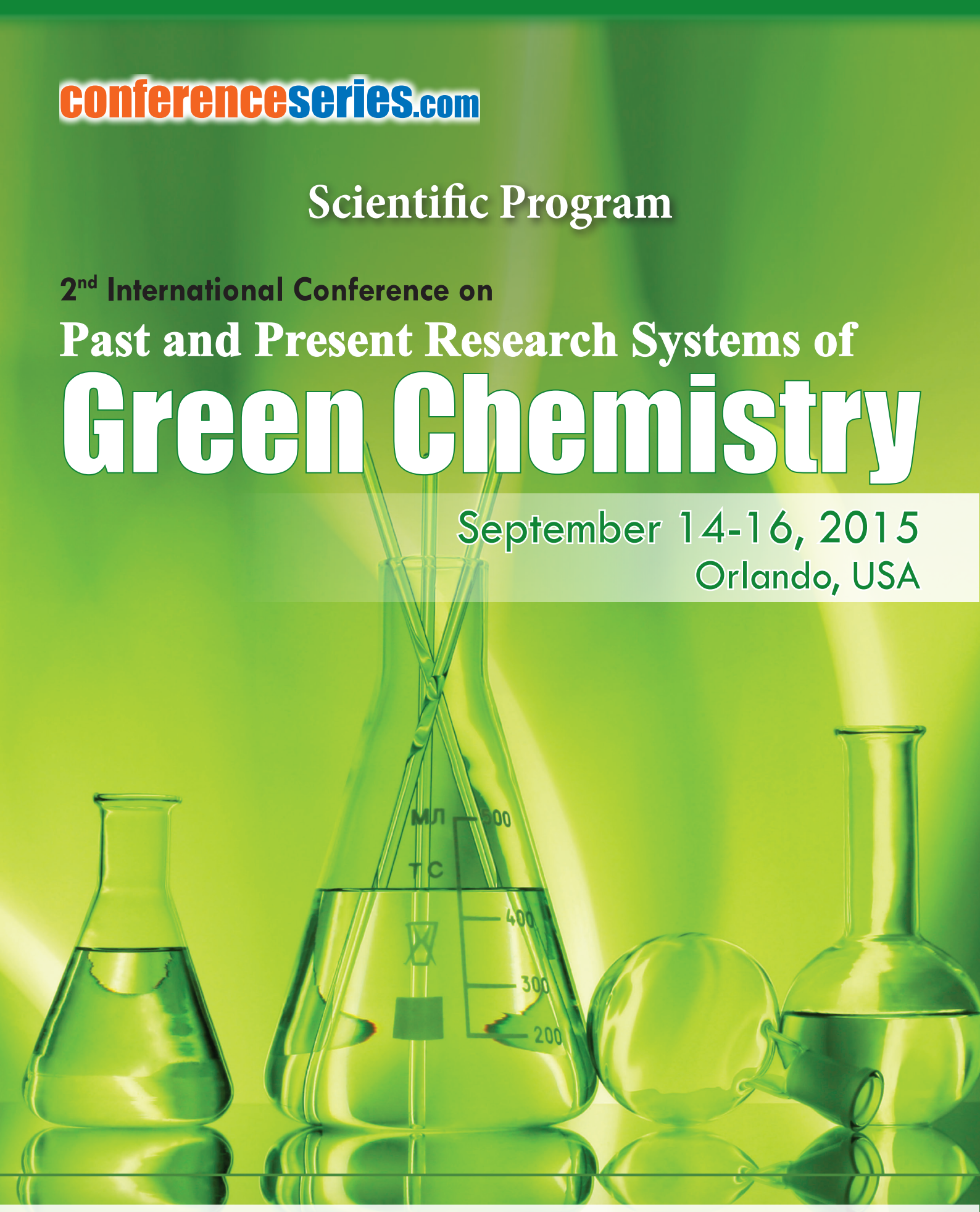
2nd International Conference on

Past and Present Research Systems of

Green Chemistry

September 14-16, 2015

Orlando, USA



Conferences

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Scientific Program

Day 1 **September 14, 2015**

Continental Ballroom 6-8

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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

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

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

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 10:50-11:05 @ 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

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

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

GCP-01	**Title: An alternative process of reduction of diimines**
	Ingrid Miranda–Carvajal, National University of Colombia, Colombia
GCP-02	**Title: Arsenic adsorption into thermally treated dolomite**
	Yousef Salameh, American University Beirut, Lebanon
GCP-03	**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
GCP-04	**Title: The current progress of cellulosic ethanol development in CPC corporation, Taiwan**
	Jui-Hui Chen, Green Technology Research Institute, Taiwan
GCP-05	**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
GCP-06	**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
GCP-07	**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
GCP-08	**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
GCP-09	**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
GCP-10	**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
GCP-11	**Title: Ethanol production in bioreactor assisted by electromagnetic field: Kinetic modeling**
	Manuel G Mendoza Turizo, University of Northern of Rio de Janeiro, Brazil
GCP-12	**Title: Equilibrium and kinetics studies on the biosorption of caffeine by hydrogel beads**
	Ziu Wing Lo, Borough of Manhattan Community College, USA
GCP-13	**Title: Uptake of organic pollutants by solid wastes as an eco-friendly remediation alternative**
	Kateryna Zhdanova, Borough of Manhattan Community College, USA
GCP-14	**Title: Evaluation of deep eutectic solvents as electrolytes for a non-aqueous vanadium redox battery**
	Laleh Bahadori, University of Malaya, Malaysia
GCP-15	**Title: Green route to synthesis of (4-methoxy-phenyl)- phosphonodithioic acid and its Ni & Co complexes**
	Tomilola Ajayi, University of Kwazulu-natal, South Africa

GCP-16	**Title: Isolation and characterization of heavy metal tolerant bacteria for the purpose of bioremediation**
	Finola Fung-Khee, Borough of Manhattan Community College, USA
GCP-17	**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

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

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

Bookmark your dates

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