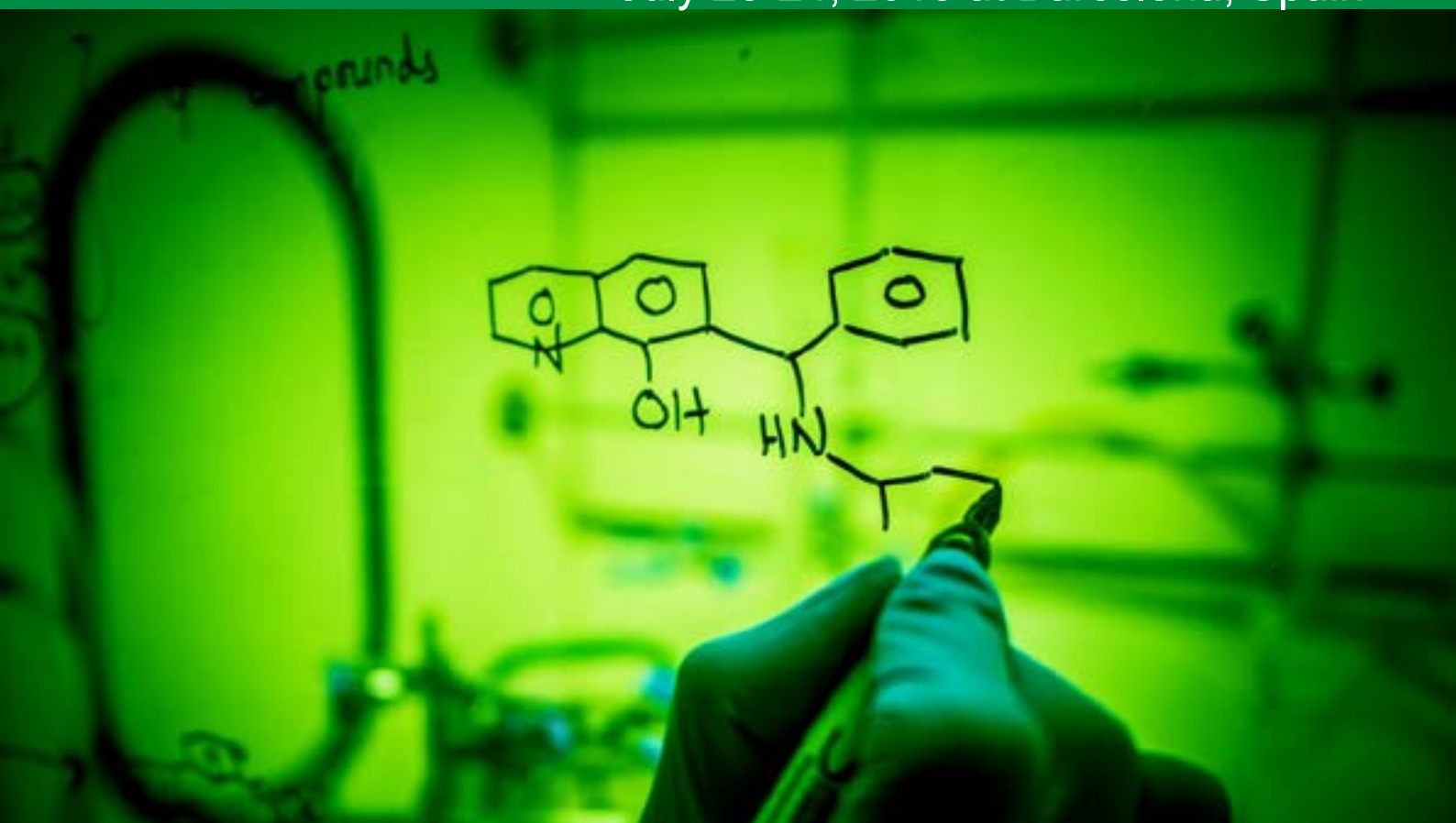


Final Scientific Program

2nd International Conference & Expo on

Green Chemistry and Engineering

July 23-24, 2018 at Barcelona, Spain



Scientific Federation

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Day 1 Jul 23, 2018

Main Hall

- 08:00-09:00 Registrations
09:00-09:10 Introduction
09:10-09:30 Opening Ceremony

Plenary Forum

- 09:30-10:20 **Title: In the Framework of Global Trade, Sustainability and Economic Growth with Industry Demand for Innovation and Technology, what kind of Modern "green" Chemical Engineering is required for the Design of the "Factory of Future" ?**
Jean-Claude Charpentier, Université de Lorraine, France
- 10:20-11:10 **Title: Domino Reactions. The Green and Economical Art of Chemical Synthesis**
Lutz F. Tietze, University of Göttingen, Germany

Networking & Refreshments Break 11:10-11:30 @ Foyer

Keynote Forum

- 11:30-12:00 **Title: Assuring better Future through the Green Chemistry**
Kamal Kant Dwivedi, ITM University Gwalior, India
- 12:00-12:30 **Title: Sustainability Metrics to Guide Green Product Design & Engineering: An Industrial Perspective**
Jens Uhlemann, Bayer AG Crop Science, Germany
- 12:30-13:00 **Title: Myths, Models and Measurements for Urban Water Treatment**
John Sansalone, University of Florida, USA

Lunch Break 13:00-14:00

Sessions: Green Synthesis, Green Catalysis, Green Nano Technology, Green Chemistry- Applications, Environmental Chemistry and Pollution Control, Benefits of Green Chemistry, Industrial Applications of Green Chemistry, Analytical Methodologies

Session Chair: Jens Uhlemann, Bayer AG Crop Science, Germany

Session Co-Chair: Kamal Kant Dwivedi, ITM University Gwalior, India

- 14:00-14:25 **Title: In Silico Generation and Analysis of "Green" Mono-Ethylene Glycol Synthesis Routes from Synthesis Gas**
Ahsan Islam, Loughborough University, UK
- 14:25-14:50 **Title: Valorization of Abundant Bio-resources: Green Glycerol Acetalization & CO₂/ Epoxides Cycloaddition Catalyzed by a complex of Zinc Tetradentate N₄ Schiff Bases**
Iyad Karaméh, Lebanese University, Lebanon
- 14:50-15:15 **Title: Pattern of Protein Stability and Protein Aggregation in Ionic Liquids**
Yathrib Ajaj, German University of Technology, Oman
- 15:15-15:40 **Title: Functional Polymeric Materials to decrease the Water Pollution by Metal Ions**
Bernabe L. Rivas, University of Concepción, Chile
- 15:40-16:05 **Title: Applying zebrafish model as an alternative test method for developmental toxicity of zinc oxide nanoparticles**
Ying-Jan Wang, National Cheng Kung University, Taiwan

Networking & Refreshments Break 16:05-16:25 @ Foyer

- 16:25-16:50 **Title: Green Valorization of glycerol by acetalisation catalyzed by Iron FeCl₃·6H₂O**
Samira Zaher, Lebanese University, Lebanon
- 16:50-17:15 **Title: Green synthesis of sulfonamide substituted aromatic carbonyls from their corresponding nitro compounds and sulfinate de sodium**
Nadim Eid, Lebanese University, Lebanon

19:00-20:00 Cocktails

Day 2 Jul 24, 2018

Main Hall

Plenary

- 09:30-10:20 **Title: New Ways to improve Si and III-V Solar Cells**
Alexander N. Buzynin, Russian Academy of Sciences, Russia
- 10:20-11:10 **Title: Exploring the advances and challenges for innovation in green biochemistry and engineering that is required for the pharmaceutical world of tomorrow**
Edith Lecomte-Norant, Innovations Technology Sciences, France

Networking & Refreshments Break 11:10-11:30 @ Foyer

Sessions: Green Catalysis, Industrial Applications of Green Chemistry, Benefits of Green Chemistry, Green Materials, Biobased Chemicals, Green Synthesis, Organic Synthesis in Different States, Green Chemistry-Catalyst Compatibility, Renewable and Sustainable energy, Environmental Chemistry and Pollution Control

Session Chair: Dragomir S. Yankov, Bulgarian Academy of Sciences, Bulgaria

Session Co-Chair: Edith Lecomte-Norant, Innovations Technology Sciences, France

- 11:30-11:55 **Title: Schiff-base Derived from Chitosan and 2-Hydroxynaphthaldehyde; Biosorbent for Uptake of Cd(II) Ions from Aqueous Media Using Raman and Atomic Absorption Spectroscopy**
Sahar Mostafa, Mansoura University, Egypt
- 11:55-12:20 **Title: Preparation and characterisation of cellulose nano crystals from bagasse using ionic liquid-dmso mixtures**
Nirmala Deenadayalu, Durban University of technology, South Africa
- 12:20-12:45 **Title: Dehydrogenative Oxidation of Alcohols Catalyzed by an Iron Complex**
Masahiro Kamitani, Kitasato University, Japan

12:45-13:00 Panel Discussion

Lunch Break 13:00-14:00

- 14:00-14:25 **Title: Isolation identification and characterization of butyrate producing Clostridium sp. strains from chickpea beans (*Cicer arietinum* L.) fermentation**
Dragomir Yankov, Institute of Chemical Engineering, Bulgaria
- 14:25-14:50 **Title: Thermoelectric Performance of Nb Doped SrTiO₃ Enhanced by Reduced Graphene Oxide**
Olena Okhay, University of Aveiro, Portugal
- 14:50-15:15 **Title: Manipulating Gold and Cds Nanoparticles with Enzymes Extracted From Plants and Bacteria**
Valery Pavlov, CIC bioma GUNE, Spain

Networking & Refreshments Break 15:15-15:35 @ Foyer

Poster Presentations on Day 2 JULY 24, 2018

- P-001 **Title: Synthesis of some Conazole Analogues and Mannich Bases starting from 4-amino-3-methyl-1H-1,2,4-triazol-5(4H)-one with Microwave Reaction Methods**
Hacer BAYRAK, Karadeniz Technical University, Turkey
- P-002 **Title: Synthesis of New Mannich Bases Containing Imidazo[2,1-β][1,3,4]Thiadiazole (ITD) Fused Rings With Fluoroquinolone Drugs**
Hacer BAYRAK, Karadeniz Technical University, Turkey
- P-003 **Title: Conventional and microwave irradiated synthesis of highly substituted piperazine-azole hybrids**
Ahmet Demirbas, Karadeniz Technical University, Turkey
- P-004 **Title: Design, microwave irradiated synthesis and antimicrobial activity screening studies of new 1,2,4-triazole-fluoroquinolone-fluoroquinolone hybrids**
Ahmet Demirbas, Karadeniz Technical University, Turkey
- P-005 **Title: Microwave irradiated synthesis and biological activity screening studies of novel mannich bases containing fluorophenyl piperazine rings**
Neslihan Demirbas, Karadeniz Technical University, Turkey
- P-006 **Title: Microwave irradiated synthesis of novel 1,2,4-triazole- fluoroquinolone conjugates as potential bioactive agents**
Neslihan Demirbas, Karadeniz Technical University, Turkey

- P-007 **Title: Chemometric expertise of clinical monitoring data of prolactinoma patients**
Vasil Simeonov, University of Sofia, Bulgaria
- P-008 **Title: The chemometric approach in studies of the toxicity of selected commercially available products for infants and children**
Borjana Donkova, University of Sofia, Bulgaria
- P-009 **Title: One-directional energy transfer on dye-doped hybrid materials for solar antenna**
Iñigo López-Arbeloa, Universidad del País Vasco/EHU, Spain
- P-010 **Title: Applying Discriminant and Cluster Analysis to Predict Allergenicity of Food Proteins**
Ludmila Naneva, University of Sofia, Bulgaria
- P-011 **Title: Studies on the Synthesis of Some Novel Chromone Derivatives**
Meltem Ceylan-Ünlüsoy, Ankara University, Turkey
- P-012 **Title: Anisotropy of the mechanical properties of partially stabilized zirconia crystals. Structure and mechanical properties of crystals ZrO_2 partially stabilized Y_2O_3**
Alexey Kulebyakin, Russian Academy of Sciences, Russian Federation
- P-013 **Title: Structure and conductivity of ceria and scandia-doped zirconia crystals grown by skull melting**
Chislov Artem, Russian Academy of Sciences, Russian Federation
- P-014 **Title: Chemical attenuation of the leaching potential of mine-related metallic elements (Zn, As, and Cd) under different leachate solute compositions**
Seunghun Hyun, Korea University, South Korea
- P-015 **Title: Eco-friendly and resource-efficient technologies produced 4-aminodiphenylamine**
Olga S. Kukurina, National Research Tomsk Polytechnic University, Russia

Certificate Felicitation @ Closing Ceremony

Bookmark Your Dates

3rd International Conference & Expo on

Green Chemistry and Engineering

July 11-12, 2019 at Las Vegas, USA