

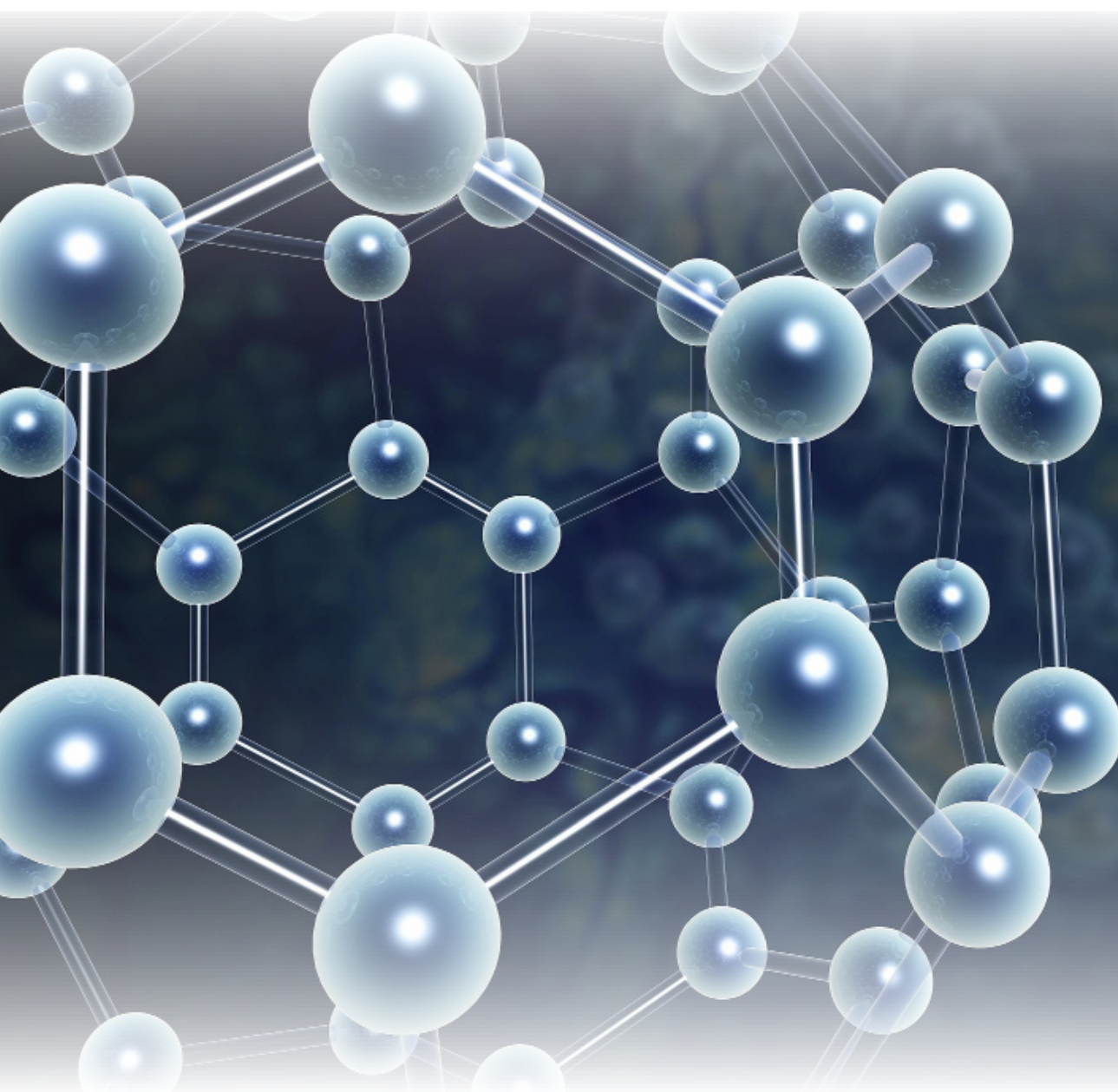
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1047<sup>th</sup> Conference

*Scientific Program*

3<sup>rd</sup> International Conference on  
**Organic and Inorganic Chemistry**

July 17-19, 2017 Chicago, USA



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## Milan

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09:00-09:25

## Opening Ceremony

## Keynote Forum

- 09:25-09:30 **Introduction**
- 09:30-10:00 **Title: Tailor made recyclable Pt-nanoparticle catalysts for creation of functionalized vinylsilanes**  
Bhanu P S Chauhan, William Paterson University, USA
- 10:00-10:30 **Title: Synthetic application of chiral aziridines**  
Hyun-Joon Ha, Hankuk University of Foreign Studies, South Korea
- 10:30-11:00 **Title: Catalytic hydrogenation of non-polar unsaturated organic molecules promoted by bifunctional iron complexes**  
Hiroshi Nakazawa, Osaka City University, Japan

## Panel Discussion

Networking &amp; Refreshment Break 11:00-11:15 @ Foyer

## Sessions:

Inorganic Materials and Nanoparticles | Organometallic Chemistry | Polymer Chemistry | Green Chemistry and Sustainable Technology | Advanced Synthesis and Catalysis | Modern Organic Chemistry and Applications | Natural Products and Heterocyclic Chemistry | Bioorganic and Biochemistry | Advance Trends in Organic Chemistry | Medicinal Chemistry, Drug Synthesis

Session Chair: Yingju Xu, Merck &amp; Co., Inc., USA

Session Co-Chair: Hyun-Joon Ha, Hankuk University of Foreign Studies, South Korea

## Session Introduction

- 11:15-11:40 **Title: Mechanistic study of alcohol oxidation by oxidized Cu<sup>II</sup> salen-type complexes: Relationship between reactivity and the electronic structure of the complexes**  
Yuichi Shimazaki, Ibaraki University, Japan
- 11:40-12:05 **Title: Electronic requirements for C-H activation in half-sandwich complexes**  
Ashoka G Samuelson, Indian Institute of Science, India
- 12:05-12:30 **Title: Hydrophobic, hydrophilic and amphiphilic silica/copolymer nanoparticles by surface-initiated atom transfer radical polymerization**  
Ling He, Xi'an Jiaotong University, China
- 12:30-12:55 **Title: The discovery of one-pot protocol to synthesize spiro[n]arenes**  
Xie Linghai, Nanjing University of Posts and Telecommunications, China

## Panel Discussion

Lunch Break 12:55-13:45 @ Athens Rooms

- 13:45-14:10 **Title: Concept of malignancy of brain tumors for drug design of boron neutron capture therapy**  
Masao Takagaki, Kyoto University, Japan
- 14:10-14:35 **Title: Process development towards a green manufacturing route for letermovir exploiting novel asymmetric reactions**  
Yingju Xu, Merck and Co., Inc., USA
- 14:35-15:00 **Title: Corrosion behavior of TiC-Ni-5Mo<sub>2</sub>C cermet**  
Nawarat Worauaychai, Ramkhamhaeng University, Thailand
- 15:00-15:25 **Title: Effect of agrochemicals on metal speciation and their associated health risk in soil and vegetable species**  
Makanjuola O Mojeed, Federal University of Agriculture, Nigeria
- 15:25-15:50 **Title: Polyhydroxy alkaloids from aziridine**  
Hyun-Joon Ha, Hankuk University of Foreign Studies, South Korea

## Panel Discussion

Networking & Refreshment Break 15:50-16:05 @ Foyer

- 16:05-16:30 **Title: Catalysis and life-cycle-analysis of current and future industrial routes to CO<sub>2</sub> utilization**  
Thomas E Müller, RWTH Aachen University, Germany
- 16:30-16:55 **Title: Stereoselective synthesis of hernandulcin, peroxylippidulcine A, lippidulcines A, B and C and taste evaluation**  
Marco G Rigamonti, Politecnico di Milano, Italy
- 16:55-17:20 **Title: Multi-functional N,O donors for Cu catalyzed Csp<sup>2</sup>-Csp cross-coupling reaction**  
Ziwei Gao, Shaanxi Normal University, China
- 17:20-17:45 **Title: Comparative study of CO adsorption on zirconia polymorphs by diffuse reflectance FT-IR and transmission FT-IR spectroscopy**  
Zhongyi Ma, Chinese Academy of Sciences, China
- 17:45-18:10 **Title: The synthesization of SAPO-11 and its catalytic performance for the alkylation of naphthalene**  
Wei Zhang, Chinese Academy of Sciences, China
- 18:10-18:35 **Title: Co nanoparticles as efficient catalysis in homo- and hetero coupling reaction**  
Abdolreza Hajipour, Isfahan University of Technology, Iran

## Panel Discussion

Day 2 | July 18, 2017

Milan

## Keynote Forum

- 10:00-10:30 **Title: Synthesis of bound-type bis-heterocycles via Groebke-Blackburn-Bienaymé**  
Rocío Gámez-Montaño, Universidad de Guanajuato, Mexico
- 10:30-11:00 **Title: XLH chemistry for organic nanogrids with "Plenty of Room"**  
Xie Linghai, Nanjing University of Posts and Telecommunications, China

## Panel Discussion

Networking & Refreshment Break 11:00-11:15 @ Foyer

- 11:15-11:45 **Title: Dendritic and nanostructured boron and carbon compounds for cancer therapy**  
Narayan S Hosmane, Northern Illinois University, USA

### Sessions:

Bioorganic and Biochemistry | Advance Trends in Organic Chemistry | Inorganic and Bioinorganic Catalysis | Physical Organic Chemistry | Industrial Inorganic Chemistry | Stereochemistry of Organic Compounds | Medicinal Chemistry, Drug Synthesis | Organic Chemical Engineering | Inorganic Materials and Nanoparticles | Green Chemistry and Sustainable Technology

Session Chair: Bhanu P S Chauhan, William Paterson University, USA

Session Co-Chair: Rocío Gámez-Montaño, Universidad de Guanajuato, Mexico

## Session Introduction

- 11:45-12:10 **Title: Novel maltooligosaccharide from biosynthesis**  
Thornthan Sawangwan, Ramkhamhaeng University, Thailand
- 12:10-12:35 **Title: Design and creation of autonomous dynamics in self-assemblies**  
Yoshiyuki Kageyama, Hokkaido University, Japan
- 12:35-13:00 **Title: Vanadium-catalyzed bromination reaction with molecular oxygen**  
Toshiyuki Moriuchi, Osaka University, Japan

## Panel Discussion

Lunch Break 13:00-13:50 @ Athens Rooms

- 13:50-14:15 **Title: Synthesis of 7-(2-substituted-phenylthiazolidinyl)-benzopyran-2-one derivatives**  
Anil K Tripathi, Indian Institute of Integrative Medicine (CSIR), India
- 14:15-14:40 **Title: Biosorption of cadmium and lead ions from aqueous solution of cashew (*Anacardium occidentale*) leaf**  
Adeyemi Olufemi, Olabisi Onabanjo University, Nigeria

- 14:40-15:05 **Title: Vanadium pyrophosphate catalyst: Core-shell morphology and attrition resistance**  
Marco G Rigamonti, Polytechnique Montreal, Canada
- 15:05-15:30 **Title: Quantitative detection of the conformational transitions between open and closed forms of cytochrome P450 oxidoreductase (CYPOR) at the membrane surface in different functional states**  
Sara Arafeh, Marquette University, USA
- 15:30-15:55 **Title: Synthesis and characterization of Ru(II)-bis-benzimidazole-based complexes, Ru(III)-polydentate pyridine-based complexes and Ru(II)-bis-benzimidazole polydentate pyridine-based complexes with broad spectrum antimicrobial activity and novel mode of action**  
Daphne Mapolelo, University of Botswana, Botswana

#### Panel Discussion

Networking & Refreshment Break 15:55-16:10 @ Foyer

- 16:10-16:35 **Title: A low temperature procedure for the delamination of waste printed circuit boards by dissolution of epoxy resin substrate**  
Himanshu Ranjan Verma, Indian Institute of Technology (Banaras Hindu University), India
- 16:35-17:00 **Title: High-pressure titanium dioxide as visible-light driven photocatalyst with narrow bandgap**  
Hadi Razavi-Khosroshahi, Nagoya Institute of Technology, Japan
- 17:00-17:25 **Title: Isolation and characterization of phytoconstituents and evaluation of anticancer potential of the medicinal plant *Wrightia tinctoria* (Roxb.) R. Br. from South India**  
Beena Jose, Vimala College, India
- 17:25-17:50 **Title: Variations of some airborne trace elements concentrations as potential carcinogens**  
Heba M Adly, Umm Al-Qura University, KSA
- 17:50-18:15 **Title: Design, optimization and control of energy-saving dividing-wall column for separating azeotropes**  
Ming Xia, Chinese Academy of Sciences, China
- 18:15-18:40 **Title: Jones oxidation of glycerol catalyzed by small gold clusters**  
Anthony Pembere, Chinese Academy of Sciences, China

#### Day 2 | July 18, 2017

#### Poster Presentation

16:10-17:00 @ Foyer

- OC001 **Title: Synthetic and application studies of carbohydrate-based molecular transporters as a drug delivery vector**  
Jungkyun Im, Soonchunhyang University, South Korea
- OC002 **Title: Peramivir analogs bearing hydrophilic substituent to overcome viral resistance**  
Din-Chi Chiu, National Taiwan University, Taiwan
- OC003 **Title: Synthesis and antidiabetic evaluation of coumarins**  
Sanjeev Dhawan, University of KwaZulu Natal, South Africa
- OC004 **Title: Semitransparent perovskite solar cell with increased stability of top laminated carbon nanotube composite**  
Inga Ermanova, National University of Science and Technology, Russia
- OC005 **Title: Design of 4H-chromene and chromene based azo chromophores: A novel series of potent antimicrobial and anticancer agents**  
Fawzia F Albalawi, Taibah University, KSA
- OC006 **Title: Synthesis of 2-Tetrazolylmethyl-isoindolin-1-ones via a one-pot Ugi-Azide/(n-acylation/exo-Diels-Alder)/dehydration process**  
Rocío Gámez-Montaño, Universidad de Guanajuato, Mexico
- OC007 **Title: Preparation and characterization of porous titania and zirconia-hydroxyapatite by modified sol-gel method**  
Sanaa Saoiabi, Mohammed V University, Morocco
- OC008 **Title: The effect of preparation conditions on the ion-exchange properties of LTA zeolite prepared from local silica**  
Samia A Kosa, King Abdulaziz University, KSA
- OC009 **Title: Comparison of some physico-chemical parameters of Yewa river (Ogun State, Southwest Nigeria) with national and international standard**  
Raji Iyabode, Lagos State University, Nigeria
- OC010 **Title: Synthesis of thiohydantoins tagged  $\beta$ -lactams**  
Neha Manhas, University of Kwa-Zulu Natal, South Africa

- OC011 **Title: Synthesis, characterization and antimicrobial properties of riboflavin and 1, 10-phenantroline metal complexes**  
Emmanuel O Taiwo, Ekiti State University, Nigeria
- OC012 **Title: Endogenous water-triggered and ultrasound accelerated synthesis of 1,5-disubstituted tetrazoles via a solvent and catalyst-free Ugi-azide reaction**  
Rocío Gámez-Montaño, Universidad de Guanajuato, México
- OC013 **Title: Synthesis of chalcones containing fragments of heterocyclic amines**  
Daria Boiko, The National Academy of Sciences of Belarus, Belarus
- OC014 **Title: Synthesis and characterization of novel 2,3-furandion derivatives**  
Serap Kizilkaya, Mus Alparslan University, Turkey
- OC015 **Title: Synthesis and *in vitro* evolution of benzimidazole based substituted purine as potential anticancer agents**  
Alka Sharma, Panjab University, India
- OC016 **Title: Synthesis of 2-julolidin-imidazo[1,2-a] pyridines via Groebke–Blackburn–Bienaymé reaction and studies of optical properties**  
Rocío Gámez-Montaño, Universidad de Guanajuato, Mexico

Day 3 | July 19, 2017

Milan

B2B Meetings

Networking & Refreshment Break 10:30-10:50 @ Foyer

Discussion on: Advance Trends in Inorganic & Organic Chemistry

Networking & Extended Lunch Break 13:00-13:45 @ Athens Rooms

Award & Closing Ceremony



**Bookmark your dates**

5<sup>th</sup> International Conference on

# Organic & Inorganic Chemistry

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