

# 4<sup>th</sup> European Organic Chemistry Congress

March 01-03, 2018 | London, UK



**Conference Series -America**

One Commerce Center-1201, Orange St. #600, Wilmington, Zip 19899, Delaware, USA  
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**Conference Series -UK**

Kemp House, 152 City Road, London EC1V 2NX, UK  
Toll Free: +0-800-014-8923

## Meeting Room: Bleriot 2

conference**series.com** 09:00-09:10

## Opening Ceremony

## Keynote Forum

09:10-09:15 Introduction

**Title: New application of chiral N-Sulfinyl imine**

09:15-09:40

Miguel Yus, University of Alicante, Spain

09:40-10:05

**Title: Zeolites: Fundamental features and environmental implications**

Christopher J Rhodes, Fresh Lands Environmental Actions, UK

10:05-10:30

**Title: An efficient way of producing fuel hydrocarbon from CO<sub>2</sub> and activated water**

Tadayuki Imanaka, Ritsumeikan University, Japan

## Speaker Presentations

Sessions: Catalysis of Organic Chemistry

Session Chair: Carmen Nájera, University of Alicante, Spain

Session Introduction

10:30-10:50

**Title: Multicomponent 1,3-Dipolar cycloadditions of azomethine ylides**

Carmen Nájera, University of Alicante, Spain

## Group Photo

Networking and Refreshments Break 10:50-11:05 @ Breakout Area

11:05-11:25

**Title: Oxidative cross-coupling with selective C-O bond formation**

Alexander Terent'ev, N.D. Zelinsky Institute of Organic Chemistry, Russia

11:25-11:45

**Title: Discovery of novel anticancer agents through C7-functionalization of indolic scaffolds**

Neeraj Kumar Mishra, Sungkyunkwan University, South Korea

11:45-12:05

**Title: Decarboxylative coupling reactions of propiolic acid derivatives**

Sunwoo Lee, Chonnam National University, South Korea

12:05-12:25

**Title: Octahedral complexes as enantioselective catalysts in organic syntheses**

Anil Kumar, Shri Mata Vaishno Devi University, India

12:25-12:45

**Title: Polyolefins as homogeneous supports of ruthenium based olefin metathesis catalysts**

Hassan Said Bazzi, Texas A&amp;M University, Qatar

Sessions: Electo Organic Chemistry | Physical Organic Chemistry | Bio Organic Chemistry |  
Chemical Bonding | Heterocyclic Compounds

Session Chair: Tofik Nagiev, Institute of Catalysis and Inorganic Chemistry, Azerbaijan

Session Introduction

12:45-13:05

**Title: Coherent-synchronized gas-phase oxidation of piperidine with H<sub>2</sub>O<sub>2</sub> and N<sub>2</sub>O**

Tofik Nagiev, Institute of Catalysis and Inorganic Chemistry, Azerbaijan

Lunch Break 13:05-13:45 @ RBG

13:45-14:05

**Title: Contribution of organometallic/polymer chemistry to post lithium ion battery research**

John Muldoon, Toyota Research Institute of North America, USA

14:05-14:25

**Title: Effect of structure and electronic property of chiral N, N'-dioxide-metal complexes on asymmetric catalysis: A theoretical study**

Zhishan Su, Sichuan University, China

14:25-14:45

**Title: Synthesis of substituted benzazoles and computational evaluation of their mechanism**

Ashok Kumar, Devi Ahilya Vishwavidyalaya, India

**14:45-15:05** Title: **Design, synthesis and molecular docking of novel indole derivatives as VEGFR-2 inhibitors**

Iman A Y Ghannam, National Research Centre, Egypt

**15:05-15:25** Title: **New method for direct C-C bond formation from alcohols catalyzed by N-halo organic compound under solvent-free reaction conditions**

Njomza Ajvazi, Jožef Stefan Institute, Slovenia

**Networking and Refreshments Break 15:25-15:40 @ Breakout Area**

**Sessions: Stereochemistry | Hetero Cyclic Compounds**

**Session Chair: Mangalagiu Ionel, Alexandru Ioan Cuza University, Romania**

**Session Introduction**

**15:40-16:00** Title: **An umpolung approach to the asymmetric  $\alpha$ -alkylation of aldehydes and ketones**  
Don Coltart, University of Houston, USA

**16:00-16:20** Title: **Azine, diazine and diazoles: Chemistry and applications**  
Ionel I Mangalagiu, Alexandru Ioan Cuza University, Romania

**16:20-16:40** Title: **Intramolecular interactions in [2.2]paracyclophanes**  
Lucian M Birsa, Alexandru Ioan Cuza University of Iasi, Romania

**16:40-17:00** Title: **Acetylhydrazine Bis-pyridazinones: Synthesis and stereochemistry**  
Amariucai-Mantu Dorina, Alexandru Ioan Cuza University, Romania

**17:00-17:20** Title: **The synthesis of exocyclic derivatives of pyrazoles based on 1H-pyrazolylbutannitriles**

H. N. Khachatryan, Institute of Organic Chemistry, Scientific-Technological center of Organic and Pharmaceutical Chemistry NAS RA, Armenia

**Panel Discussion**

**Day 2 March 02, 2018**

**Meeting Room: Bleriot 2**

**Keynote Forum**

**09:10-09:15** Introduction

Title: **The chemistry of nitrosoalkenes and azoalkenes in the synthesis of heterocyclic compounds**

**09:15-09:40**

Teresa Pinho e Melo, University of Coimbra, Portugal

**09:40-10:05**

Title: **Mimicking DNA proofreading and repair for stereospecific synthesis of polymers from ladderphane to stromaphane**

Tien-Yau Luh, National Taiwan University, Taiwan

**10:05-10:30**

Title: **Visible light-driven generation of N-radicals and reaction design**

Jia-Rong Chen, Central China Normal University, China

**Networking and Refreshments Break 10:30-10:45 @ Breakout Area**

**Sessions: Catalysis of Organic Reactions | Elementary Concepts of Organic Chemistry | Green and Environmental Chemistry | Medicinal Chemistry | Bio Organic Chemistry**

**Session Chair: Radha Tomar, Jiwaji University, India**

**Session Introduction**

**10:45-11:05** Title: **Chloroacetamides: Versatile intermediates for the synthesis of nitrogen heterocycles using radical and non-radical processes**

Faiza Diaba, University of Barcelona, Spain

**11:05-11:25**

Title: **Phenolic and flavonoid content in Pomegranate (*Punica granatum L.*) fruit peel extracts and its activity**

Premlatha, S.V. National Institute of Technology, India

**11:25-11:45**

Title: **Organoiodine (III) mediated oxidation of enones in methanolic potassium hydroxide**

Rashmi Pundeer, Kurukshetra University, India

**11:45-12:05**

Title: **Green nanoporous zeolites for multifunctional waste managing applications**

Radha Tomar, Jiwaji University, India

**12:05-12:25** Title: Synthesis of methyl phenyl sulfoxide from its sulfide by *Musa paradisiaca* ascorbate peroxidase  
Pratibha Yadav, IITD, New Delhi, India

### Speaker Presentations

Sessions: Catalysis of Organic Reactions | Elementary Concepts of Organic Chemistry | Green and Environmental Chemistry | Bio Organic Chemistry

Session Chair: Kurt V Mikkelsen, University of Copenhagen, Denmark

Session Introduction

### Video Presentations & Lunch Break 12:25-13:05 @ RBG

**13:05-13:25** Title: Development of cycloaddition reactions using 1,4-zwitterionic intermediates  
Jun-ichi Matsuo, Kanazawa University, Japan

**13:25-13:45** Title: Exploitation of solar energy  
Kurt V Mikkelsen, University of Copenhagen, Denmark

**13:45-14:05** Title: Structural modification and bioactivity evaluation of multi-targeted Tetrahydroprotoberberine Derivatives (THPBs)  
Hong Liu, Shanghai Institute of Materia Medica, China

**14:05-14:25** Title: Discovery and development of novel DPP IV inhibitor  
Jiang Wang, Shanghai Institute of Materia Medica, China

**14:25-14:45** Title: Development of materials for OPV applications  
Agnieszka Pron, Merck Chemicals Ltd, UK

### Poster Presentations 14:45-15:45 @ Foyer

Poster Judge: Miguel Yus, University of Alicante, Spain

**PB-01** Title: Batch/Continuous flow iron-catalyzed C-H functionalization for the synthesis of bioactive peroxides

Boopthay Gnanaprakasm, Indian Institute of Science Education-Pune, India

**PB-02** Title: Chemical dynamic resolution of unprotected  $\beta_2$ - and  $\beta_3$ -amino acids with a novel Me-proline-derived chiral ligand

Shuni Wang, Institute of Materia Medica, China

**PB-03** Title: Synthesis of  $\alpha$ -ketocarboxylate group-containing Indolines via Ru(III)-catalyzed C-H addition and oxidation

Hyunjung oh, Sungkyunkwan University, South Korea

**PB-04** Title: Rh(III)-catalyzed C-H alkylation of indolines with enones through conjugate addition and protonation pathway

Hyunjung oh, Sungkyunkwan University, South Korea

**PB-05** Title: Synthesis and cytotoxic evaluation of 2,3-disubstituted Indoles derived from azobenzenes by using Rh(III)-catalysis

Hyunjung oh, Sungkyunkwan University, South Korea

**PB-06** Title: Synthesis and anti-inflammatory evaluation of 2-aminobenzaldehydes via Ir(III)-catalyzed C-H amidation

Saegun Kim, Sungkyunkwan University, South Korea

**PB-07** Title: C(sp<sub>3</sub>)-H alkylation of 8-methylquinolines with allylic alcohols under Rh(III)-catalysis  
Sangil Han, Sungkyunkwan University, South Korea

**PB-08** Title: Synthesis and anticancer evaluation of 7-azaindoles under rhodium(III)-catalyzed C-amidation

Jihye Park, Sungkyunkwan University, South Korea

**PB-09** Title: Paper-based colorimetric sensor system for the high-throughput screening of IR-catalyzed C-H borylation

Han-Sung Kim, Chonnam National University, South Korea

**PB-10** Title: *Ab initio* molecular design for [2+2] photocycloaddition and metathesis reactions  
Jakub Med, UCT Prague, Czech Republic

**PB-11** Title: Isolation of adulterants from liquid fuels using synthetic zeolite membranes  
S.S Tomar, Jiwaji University, India

Poster Judge: **Teresa Pinho e Melo**, University of Coimbra, Portugal

- PB-12**  
**Title: Visible-light-driven aza-o-quinone methide generation for the synthesis of indoles in a multicomponent reaction**  
 Yi-Yin Liu, Central China Normal University, China
- PB-13**  
**Title: Visible light-driven iminyl radical-mediated C-C single bond cleavage/radical addition cascade of oxime esters**  
 Xiaoye Yu, Central China Normal University, China
- PB-14**  
**Title: Visible-light-driven C-H bond oxidation/cyclization cascade for construction of azaisoindolinones**  
 Dong-Mei Yan, Central China Normal University, China
- PB-15**  
**Title: Development of bio-based polymers based on agroforestry waste extractions of lignins cured and reinforced with antimicrobial agents delaying fungal and bacterial activity by increasing the period of life of a food on the shelf**  
 Luis E González, University of Chihuahua, Mexico
- PB-16**  
**Title: Synthesis and anticancer evaluation of new heterocyclic compounds designed as phenstatin analogues**  
 Ramona Danac, Alexandru Ioan Cuza University, Romania
- PB-17**  
**Title: Biocatalytic one-pot cycloaddition reactions using horseradish peroxidase**  
 Bianca Furdui, University of Galati, Romania
- PB-18**  
**Title: Ion-assisted synthesis of cyclic homopeptides**  
 Nikolina Vidovic, University of Milan, Italy
- PB-19**  
**Title: Neutral and room temperature conditions for Cu-catalyzed C-O coupling of aliphatic diols and diaryliodonium salts**  
 Kyung Mi Kim, Sungshin Women's University, Republic of Korea
- PB-20**  
**Title: Use of natural peloids of Georgia for cosmeceutical purposes**  
 Nana Devdariani, Georgian Technical University, Georgia
- PB-21**  
**Title: Regio- and stereoselective chlorocyanation of alkynes**  
 Alejandro G. Barrad, Georg-August Universität Göttingen, Germany
- PB-22**  
**Title: Zeolite H-ZSM-5 an efficient and reusable catalyst for the Synthesis of indeno naphthopyrans and tetrahydrobenzo[a]xanthen-11-ones under solvent free condition**  
 Kautily Rao Tiwari, Jiwaji University, India
- PB-23**  
**Title: New (aminomethylene)bisphosphonates obtained from heterocyclic amines and their biological activity**  
 Patrycja Petruczynik, Wroclaw of University of Science and Technology, Poland
- PB-24**  
**Title: Hybrid systems tetrathiafulvalenes - [2.2]paracyclophanes**  
 Laura Gabriela Sarbu, Alexandru Ioan Cuza University of Iasi, Romania
- PB-25**  
**Title: Implicit-descriptor ligand-based virtual screening by means of collaborative filtering**  
 Raghuram Srinivas, Southern Methodist University, USA
- PB-26**  
**Title: New molecules with azaheterocycles skeleton of potential interest in leishmaniasis**  
 Mangalagiu Violeta, Alexandru Ioan Cuza University, Romania

Day 3 March 03, 2018

Networking and Lunch 12:30-13:30 @ RBG

Panel Discussion

Awards &amp; Closing Ceremony

5<sup>th</sup> European

# Organic Chemistry Congress

February 11-13, 2019 Madrid, Spain

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