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10th European Organic Chemistry Congress

March 21-22, 2019
Rome, Italy



SCIENTIFIC PROGRAM

SCIENTIFIC PROGRAM

Thursday, 21th March

DAY 1

Thursday, 21th March

08:30-09:00 **Registrations**

09:00-09:30 **Introduction**

09:30-09:50 COFFEE BREAK

09:50-11:50
Meeting Hall 01

KEYNOTE LECTURES

11:50-13:10

MEETING HALL 01	MEETING HALL 02
Talks On: Elementary Concepts of Organic Chemistry and Bioorganic Chemistry	**Talks On:** Catalysis of Organic Reactions, Inorganic & Organometallic Compounds, Chemical Bonding & Cheminformatics
Functional groups	Heterogeneous catalytic process
Aliphatic and aromatic compounds	Catalyst formulation and preparation methods
Peptides sequence analysis	Organometallic nomenclature
Classification of amino acids	Atoms, electrons and orbitals
Stereochemistry of amino acids	

13:10-13:15 GROUP PHOTO

13:15-14:00 LUNCH BREAK

14:00-16:00

MEETING HALL 01	MEETING HALL 02
Talks On: Stereochemistry of Organic Compounds, Analytical Techniques in Organic Chemistry, Bio-Chemistry & Agriculture Chemistry	**Talks On:** Medicinal Chemistry and Pharmaceutical Chemistry
Chromatography	Drug discovery, Design and Development
Principles of molecular spectroscopy electromagnetic radiation	Pharmacophore and Xenobiotic metabolism
Patterns of spinspin splitting pairs of doublets	Pharmacognosy and Pharmacokinetics
Biochemistry and agrochemicals	Pharmaceutical Chemistry Novel Aspects
Elementarycalculus	Computational Chemistry and Chemical Biology

16:00-16:20 COFFEE BREAK

MEETING HALL 01 (16:20-17:00)	MEETING HALL 01 (17:00-18:00)
Young Researchers	Workshop

DAY 2
Friday, 22nd March

09:00-10:30 Meeting Hall 01 — **KEYNOTE LECTURES**

10:30-10:50 COFFEE BREAK

10:50-12:50

MEETING HALL 01	MEETING HALL 02
Talks On: Structure and Reactivity of Organic Compounds, Molecular Design and Synthesis	**Talks On:** Physical Organic Chemistry, Organic Photochemistry and Electro Organic Chemistry
Chemical composition	Atomic theory
Amine (NH2), Carboxyl (COOH), Hydroxyl (OH).	Biophysical Chemistry
Macromolecules	Thermochemistry and quantum chemistry
Design and synthesis of small and smart molecule	Synthetic organic photochemistry
Receptors, Transporters	Bioelectrochemical systems
Allosteric interactions	Molecular Electrochemistry

12:50-13:35 LUNCH BREAK

13:35-15:55

MEETING HALL 01	MEETING HALL 02
Talks On: Natural Products and Heterocyclic Chemistry, Polymers, Organic Materials, and Nanomaterials, Green and Environmental Chemistry	**Talks On:** Flow Chemistry, Computanial and Supramolecular Chemistry
Chemistry and efficacy of natural products	Polymer structure and morphology
Safety and regulations on natural products	Green chemical solvents
	Continuous flow reactors

15:55-16:15 COFFEE BREAK

MEETING HALL 01 (16:15-17:00)	MEETING HALL 01 (17:00-18:00)
Poster Presentations	Workshop

PAST AFFILIATES

PAST AFFILIATES

Miguel Yus
University of Alicante, Spain

Chistopher J Rhodes
Fresh Lands Enivornmental actions, UK

Carmen Nájera
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Mangalagiu Ionel
Alexandru Ioan Cuza Universitry, Romania

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Toyota Research Institute of North America, USA

Kurt V Mikkelsen
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Rashmi Pundeer
Kurukshetra University, India

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Kanazawa University, Japan

Sunwoo Lee
Chonnam National University, Republic of Korea

Ashok Kumar
Devi Ahilya University, India

Njomza Ajvazi
Jožef Stefan Institute, Slovenia

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Shanghai Institute of Materia Medica, China

Jiang Wang
Shanghai Institute of Materia Medica, China

Anil Kumar
Shri Mata Vaishno Devi University, India

Faïza Diaba
University of Barcelona, Spain

Radha Tomar
Jiwaji University, India

Amariucai-Mantu Dorina
Alexandru Ioan Cuza Universitry, Romania

Prema Latha
S.V. National Institute of Technology, India

Iman Ghannam
National Research Centre, Egypt

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Texas A&MUniversity, Qatar

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Central China Normal University, China

Dong-Mei Yan
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Alexandru Ioan Cuza University of Iasi, Romania

S.S Tomar
Jiwaji University, India

Mangalagiu Violeta
Alexandru Ioan Cuza Universitry, Romania

Raghuram Srinivas
Southern Methodist University, USA

Rome Attractions



Glimpses of Euro Organic chemistry Conferences

















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Scientific Program

4th European Organic Chemistry Congress

March 01-03, 2018 | London, UK



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Day 1 March 01, 2018

Registrations

Meeting Room: Bleriot 2

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Opening Ceremony

Keynote Forum

Introduction

Title: New application of chiral N-Sulfinyl imine
Miguel Yus, University of Alicante, Spain

Title: Zeolites: Fundamental features and environmental implications
Christopher J Rhodes, Fresh Lands Enivornmental Actions, UK

Title: An efficient way of producing fuel hydrocarbon from CO_2 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

Title: Multicomponent 1,3-Dipolar cycloadditions of azomethine ylides
Carmen Nájera, University of Alicante, Spain

Group Photo

Networking and Refreshments Break

Title: Oxidative cross-coupling with selective C-O bond formation
Alexander Terent'ev, N.D. Zelinsky Institute of Organic Chemistry, Russia

Title: Discovery of novel anticancer agents through C7-functionalization of indolic scaffolds
Neeraj Kumar Mishra, Sungkyunkwan University, South Korea

Title: Decarboxylative coupling reactions of propiolic acid derivatives
Sunwoo Lee, Chonnam National University, South Korea

Title: Octahedral complexes as enantioselective catalysts in organic syntheses
Anil Kumar, Shri Mata Vaishno Devi University, India

Title: Polyolefins as homogeneous supports of ruthenium based olefin metathesis catalysts
Hassan Said Bazzi, Texas A&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

Title: Coherent-synchronized gas-phase oxidation of piperidine with H_2O_2 and N_2O
Tofik Nagiev, Institute of Catalysis and Inorganic Chemistry, Azerbaijan

Lunch Break

Title: Contribution of organometallic/polymer chemistry to post lithium ion battery research
John Muldoon, Toyota Research Institute of North America, USA

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

Title: Synthesis of substituted benzazoles and computational evaluation of their mechanism
Ashok Kumar, Devi Ahilya Vishwavidyalaya, India

Title: Design, synthesis and molecular docking of novel indole derivatives as VEGFR-2 inhibitors
Iman A Y Ghannam, National Research Centre, Egypt

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

Sessions: Stereochemistry | Hetero Cyclic Compounds

Session Chair: Mangalagiu Ionel, Alexandru Ioan Cuza Universitry, Romania

Session Introduction

Title: An umpolung approach to the asymmetric α-alkylation of aldehydes and ketones
Don Coltart, University of Houston, USA
Title: Azine, diazine and diazolos: Chemistry and applications
Ionel I Mangalagiu , Alexandru Ioan Cuza University, Romania
Title: Intramolecular interactions in [2.2]paracyclophanes
Lucian M Birsa, Alexandru Ioan Cuza University of Iasi, Romania
Title: Acetylhydrazine Bis-pyridazinones: Synthesis and stereochemistry
Amariucai-Mantu Dorina, Alexandru Ioan Cuza University, Romania
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

Introduction
Title: The chemistry of nitrosoalkenes and azoalkenes in the synthesis of heterocyclic compounds
Teresa Pinho e Melo, University of Coimbra, Portugal
Title: Mimicking DNA proofreading and repair for stereospecific synthesis of polymers from ladderphane to stromaphane
Tien-Yau Luh, National Taiwan University, Taiwan
Title: Visible light-driven generation of N-radicals and reaction design
Jia-Rong Chen, Central China Normal University, China

Networking and Refreshments Break

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

Title: Chloroacetamides: Versatile intermediates for the synthesis of nitrogen heterocycles using radical and non-radical processes
Faïza Diaba, University of Barcelona, Spain
Title: Phenolic and flavonoid content in *Pomegranate (Punica granatum L.)* fruit peel extracts and its activity
Premlatha, S.V. National Institute of Technology, India
Title: Organoiodine (III) mediated oxidation of enones in methanolic potassium hydroxide
Rashmi Pundeer, Kurukshetra University, India
Title: Green nanoporous zeolites for multifunctional waste managing applications
Radha Tomar, Jiwaji University, India
Title: Synthesis of methyl phenyl sulfoxide from its sulfide by *Musa paradisiaca* ascrobate 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

Title: Development of cycloaddition reactions using 1,4-zwitterionic intermediates
Jun-ichi Matsuo, Kanazawa University, Japan
Title: Exploitation of solar energy
Kurt V Mikkelsen, University of Copenhagen, Denmark

Title: Structural modification and bioactivity evaluation of multi-targeted Tetrahydroprotoberberine Derivatives (THPBs)
Hong Liu, Shanghai Institute of Materia Medica, China
Title: Discovery and development of novel DPP IV inhibitor
Jiang Wang, Shanghai Institute of Materia Medica, China
Title: Development of materials for OPV applications
Agnieszka Pron, Merck Chemicals Ltd, UK

Poster Presentations	
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 β_2- and β_3-amino acids with a novel Me-proline-derived chiral ligand** **Shuni Wang**, Institute of Materia Medica, China
PB-03	**Title: Synthesis of α-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_3)-H allkylation 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
	Networking and Refreshments Break
Poster Presentations	
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
PB-27	**Title: Design, synthesis, and structure-activity relationships of novel 4,7,12,12a-tetrahydro-5H-thieno[3',2':3,4]pyrido[1,2-b]isoquinoline and 5,8,12,12a-tetrahydro-6H-thieno[2',3':4,5] pyrido[2,1-a]isoquinoline derivatives as cellular activators of adenosine 5'-monophosphate-activated protein kinase (AMPK)** **Zhanni Gu,** China Pharmaceutical University, China

Day 3 March 03, 2018

Networking and Lunch

Panel Discussion

Awards & Closing Ceremony

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Scientific Program

Proceedings of

2ND EUROPEAN ORGANIC CHEMISTRY CONGRESS

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Amsterdam, Netherlands

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Registrations

Meeting Place 2

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Opening Ceremony

Keynote Forum

Introduction

Title: Fascinating boron-nitrogen-containing heteroaromatic compounds- Electronic structure analysis

Anna Chrostowska, Université de Pau et des Pays de l'Adour, France

Title: Peptidyl derivatives of diaryl 1-aminoalkylphosphonates as a new potential antibacterial and antiviral agents

Józef Oleksyszyn, Wrocław University of Technology, Poland

Title: Studies in natural product synthesis: Elevenol, Iodopyridone and isoquinocyclinone

Ulrich Koert, Philipps University, Germany

Title: Studies on Angolan medicinal plants

Dina Mendonça, University of Beira Interior, Portugal

Networking and Refreshment Break

Sessions: Organometallic Compounds | Bioorganic Chemistry | Carbohydrates and Phenols | Stereochemistry | Green and Environmental Chemistry | Natural Product Chemistry

Session Chair: Binne Zwanenburg, Radboud University Nijmegen, Netherlands

Session Co-chair: Brendan A Burkett, Technology and Research (A*STAR), Singapore

Session Introduction

Title: Concise routes to fused azole heterocycles and their application in the synthesis of potential drug candidates

Neelakandha S Mani, Janssen Pharma R&D, USA

Title: Homogeneous N-H activation of ammonia by iridium and rhodium organometallic complexes

Miguel Ángel Casado, University of Zaragoza, Spain

Title: Focusing on practical aspects of synthetic carbohydrate chemistry: Opportunities for simplification and innovation

Alfonso Iadonisi, University Federico II, Italy

Title: One-pot synthesis of nucleotides and conjugates

Béatrice Roy, Université de Montpellier, France

Title: News organometallic methodologies towards thioglycosides

Samir Messoudi, Université Paris-Sud, France

Lunch Break

Title: Influence of additives on the properties of ceramics from electrofusion corundum

Zaw Ye Maw Oo, D Mendeleev University of Chemical Technology of Russia, Russia

Title: Allylic substitutions of secondary allylic esters: Allylic picolinates with organocopper reagents and allylic phosphates with Ar_2CH anions

Yuichi Kobayashi, Tokyo Institute of Technology, Japan

Title: Determination of bioactive sexual ingredients from *panicum maximum* species and efficacy of the extract

Ochieng O Anthony, Sumait University, Tanzania

Title: A mild Cu(I)-catalyzed oxidative aromatization of indolines to indoles

Mark McLaughlin, Merck & Co., USA

Title: Ecofriendly synthesis of carbohydrate-derived heterocycles with potential antiproliferative activity

Verónica Luque-Agudo, University of Extremadura, Spain

Networking and Refreshment Break

Title: Nazarov cyclization mediated by a chiral sulfoxide: Lewis acid induced switch of torquoselectivity

Xavier J Salom-Roig, Université de Montpellier, France

Title: Challenges in process development of active pharmaceutical ingredients in view of green chemistry

Kaptan Singh, Sun Pharma, India

Title: Coherent-synchronized reaction of oxidation of pyridine "green oxidants" - H_2O_2 and N_2O

Tofik M Nagiev, Nagiev Institute of Catalysis and Inorganic Chemistry, Azerbaijan

Title: Characteristic of polycyclic aromatic hydrocarbons (PAHs) in urban air Jakarta

Miftahudin, University of Indonesia, Indonesia

Title: Human and ecologically-friendly organic light-emitting diode

Jwo-Huei Jou, National Tsing Hua University, Taiwan

Panel Discussion

Day 2 March 03, 2017

Meeting Place 2

Keynote Forum

Title: 1000 wastefree solid-state syntheses from 2 mmol to industrial scale and processes with 100% yield in 26 reaction types

Gerd Kaupp, University of Oldenburg, Germany

Title: Asymmetric methallylation of ketones catalyzed by a highly active organocatalyst 3, 3'-F2-BINOL and its application in synthesis of 11-β-HSD inhibitor

Yongda Zhang, Boehringer Ingelheim Pharmaceuticals, Inc., USA

Title: Synthesis of methane-linked *bis*-heterocycles containing the 1, 5-disubstituted-tetrazole moiety via Ugi-azide based methodologies

Rocío Gámez-Montaño, Universidad de Guanajuato, México

Title: Explorations in the unchartered world of 1, 4, 2-oxathiazole chemistry

Brendan A Burkett, Technology and Research (A*STAR), Singapore

Networking and Refreshment Break

Sessions: Elementary Concepts of Organic Chemistry | Analytical Techniques in Organic Chemistry | Carboxylic Acid and its Derivatives | Polymers and Monomers | Bio-Chemistry and Agricultural Chemistry

Session Chair: Béatrice Roy, Université de Montpellier, France

Session Co-Chair: Xavier J Salom-Roig, Université de Montpellier, France

Session Introduction

Title: Challenges and opportunities in process research: The development of Cu and Zn catalyzed asymmetric propargylations

Daniel R Fandrick, Boehringer-Ingelheim Pharmaceuticals Inc., USA

Title: Palladium tandem catalyzed 1, 5-sulfonyl migration/ suzuki-miyaura cross coupling reactions

Fatih Sirindil, University of Strasbourg, France

Title: Comprehensive transformation of alcohols catalyzed by *N*-halo organic compounds under green reaction conditions

Njomza Ajvazi, International Postgraduate School Stefan, Slovenia

Title: Chiral octahedral complexes as catalysts for enantioselective organic synthesis

Anil Kumar, Shri Mata Vaishno Devi University, India

Title: Catalysis with high density molecular monolayers for organic transformation

Kenji Hara, Tokyo University of Technology, Japan

Lunch Break

Poster Presentations

Poster Judge: Neelakandha S Mani, Janssen Pharma R&D, USA

EOC-01 **Title: Improved AdoMet analogs serve as nucleic acids labels**

Milda Nainyte, Vilnius University, Lithuania

EOC-02 **Title: Multivalent recognition of GlcNAc derivatives- WGA interaction by SPR and fluorospectroscopic methods**

Amrita Kumari, Saitama University, Japan

EOC-03 **Title: Synthesis of aminocyclopetitol analogues via CSI-mediated stereoselective amination**

Han Pyo Son, Sungkyunkwan University, South Korea

EOC-04 **Title: *Syzygium samarangense* as a great successor to acid-base indicator in 21st century**

Soh Ann Ching, Pusat Tingkatan 6 SMK Johor Jaya 1, Malaysia

EOC-05 **Title: Friedel-Crafts acylation of veratrole with acetic anhydride for the synthesis of acetoveratrone using nanocrystalline ZSM-5**

Suzan A Khayyat, King Abdulaziz University, KSA

EOC-06 **Title: Synthesis and biological evaluation of hybrid acridine-HSP90 ligand conjugates as telomerase inhibitors**

Rima Dakheelallah H Alharthy, King Abdulaziz University, KSA

Title: Recent development in the synthesis and synthetic applications of functionalized allylic compounds

Farhat Rezgui, University of Tunis El Manar, Tunisia

Title: Strigolactones, new plant hormones with a rich future true challenges for organic chemists

Binne Zwanenburg, Radboud University Nijmegen, Netherlands

Title: Addition of pyrazoles to crotonaldehyde in the presence of water

Hasmik Khachatryan, Institute of Organic Chemistry, Scientific Technological Center Organic and Pharmaceutical Chemistry NAS RA, Armenia

Networking and Refreshment Break

Title: *(E)*-and *(Z)*-Stereodefined parallel syntheses of multi-substituted α, β-unsaturated esters: Application to short step syntheses of both *(E)*-and *(Z)*-Zimelidines and Tamoxifens

Hidefumi Nakatsuji, Kwansei Gakuen University, Japan

Title: Synthesis of polysubstituted nicotinates and azafluorenones

Haruyasu Asahara, Kochi University of Technology, Japan

Title: Allium cepa.L as acid-base indicator

Koo Thai Hau, Form 6 Centre of SMK Taman Johor Jaya 1, Malaysia

Title: Determination of relationship between pH and acid loading in gas treatment plant (amine unit)

Hogr O Pirdawood, Gas Treatment Plant (GTP) Laboratory and Water Treatment Unit (RO System), Iraq

Panel Discussion

Award & Closing 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

Coffee Break:

Poster Presentations

Title: Unnatural fluoro-oxindole alkaloids produced by *Uncaria guianensis* plantlets
Adriana A Lopes, Universidade de Ribeirão Preto, Brazil
Title: Spectrophotometric investigation of early lanthanide(III) porphyrin complexes
Melitta Patrícia Kiss, University of Pannonia, Hungary
Title: Photoinduced heterogenous catalysis with TiO_2 and kaolinite
Orsolya Fónagy, University of Pannonia, Hungary
Title: Photocatalytic decomposition of a nonionic detergent
Hegedűs Péter, University of Pannonia, Hungary
Title: Patented method-based evaluation of the toxicity of some uncoupling dinitrophenol-like compounds
Marius Zaharia, Alexandru Ioan Cuza University, Romania
Title: Synthesis, antiproliferative activity and molecular docking of new colchicine derivatives
Adam Huczynski, Adam Mickiewicz University, Poland
Title: Antimycobacterial activity and QSAR studies of 2*H*-chromene and coumarin based hydrazones
Violina T Angelova, Medical University of Sofia, Bulgaria
Title: Selective and stoichiometric fatty acids sensing with a polydiacetylene liposome
Chang Wook Song, Pohang University of Science and Technology, Republic of Korea
Title: Novel two-photon dyes: Minimal autofluorescence in tissue imaging
Juryang Bae, Pohang University of Science and Technology, Republic of Korea
Title: Lysosomal zinc ions imaging with two-photon fluorescent probe
Hyeonjin Park, Pohang University of Science and Technology, Republic of Korea
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
Title: Ionic conductivity on cyano-bridged bimetal assemblies
Kosuke Nakagawa, The University of Tokyo, Japan
Title: A fluorenyl-based metal-organic framework with photocatalytic property
Rong-Xin Yuan, Changshu Institute of Technology, P.R.China
Title: Palladium nanoparticles supported on four different materials as efficient catalysts for suzuki cross-coupling reactions
Bilgehan Guzel, University of Cukurova, Turkey

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:

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

Title: Promotion of sorghum hybrids bran grown in southern italy for PHB ecological production by Sphingomonas cynarae
Roberta Romano, University of Salento, Italy
Title: Synthesis of NiO nanoparticles for new nanocomposite materials
Sevil Çetinkaya, Kirikkale University, Turkey
Title: Antioxidant activity of wild garlic extract (*Allium ursinum*) obtained by subcritical water extraction
Alena Tomsik, University of Novi Sad, Serbia
Title: Preparation of biological active steroids
Sevinc Ilkar Erdagi, Kocaeli University, Turkey
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
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
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
Title: Polyaniline–Ionic liquid mixtures and their application in dye-sensitized solar cells
Sang Jun Lee, Kwangwoon University, Korea
Title: Air annealing technique to improve photoelectric properties of pristine graphene
Dapeng Wei, Chinese Academy of Sciences, China
Title: Development of lateral-flow immunoassay for the diagnosis of laryngopharyngeal reflux disease
Jiyoon Kwon, Kwangwoon University, Korea
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
Title: Multiresidue analysis of selected pharmaceutical compouds in poultry manure by gas chromatography–mass spectrometry

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
Title: The Nitrogen Cycle in air, soil and water
Reza Pashaei, University of Siena, Italy
Title: Tunable magnetic property and millimeter wave absorption property of ε-Fe_2O_3 by metal substutution
Asuka Namai, The University of Tokyo, Japan
Title: Anticonvulsant activity of newly synthesized benzoylhydrazones with 2*H*-chromene and coumarin moieties in ICR mice
Valentin Karabelyov, Medical University of Sofia, Bulgaria
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
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
Title: Interaction between the hydroxyl functionalized PS and dPS in dry brush system
Seongjun Jo, Yonsei University, Republic of Korea
Title: Synthesis and characterization of new quaternary niobium selenites
Bongsu Kim, Chung-Ang University, Republic of Korea
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
Title: Effective removal of rare earth metals using surface-active agent
Dzhevaga Natalia Vladimirovna, National Mineral Resources University, Russia
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
Title: The interaction of 1-nitro- and 1-bromo-1-nitro-3,3,3-trifluoro(chloro)propenes with phenylazide

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

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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: 12:40-13:20 @ Restaurant

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

Session Introduction

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

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

Title: Study of intermolecular and intramolecular vibrations in heterocyclic aromatic hydrocarbons
Patricia Guevara Level, Université de Pau et des Pays de l'Adour, France
Title: From discrete to supported antibacterial calixarenes: toward bacteriophilic materials
Jean-Bernard Regnouf-de-Vains, Universite de Lorraine, France
Title: First-principles calculation of ε-Fe_2O_3 with a huge coercive field
Marie Yoshikiyo, The University of Tokyo, Japan

Title: *Thymus* and *Origanum* species growing in Turkey: Their phytochemical and biological activity properties
Ufuk Özgen, Karadeniz Technical University, Turkey
Title: Bentonite-Treatment of Bentonite with Na_2CO_3 and MgO
Rukan Can Seyfeli, Gazi University, Turkey
Title: The benefit of supplementing with Iron and vitamin B12 singly and in combination on haemoglobin among 6 to 9 years old rural primary school children in Kilifi County, Kenya?
Priscilla Monyangi Nyakundi, Kenya Medical Research Institute, Kenya
Title: Exploring DNA interaction and anticancer activity of ruthenium (II) mononuclear complexes and their luminescent properties
S Satyanarayana, Osmania University, India

Coffee Break:

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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