

EURO

CHEMISTRY CONFERENCE

June 11-13, 2018 | Rome, Italy



Rome, Italy

Hotel Mercure Roma West,
Viale Eroi di Cefalonia, 301, 00128

Theme :

*Envision the on-going
enhancements in the field of
Chemistry*

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Hall - Romelo

Day 1 Monday | May 11, 2018

08:00-09:00 Registration

09:00-09:25 Opening Ceremony

09:25-09:30 Introduction

Keynote Session

09:30-10:00 **Title: Advances in energy hybridization for resilient supply: A sustainable approach to meet the growing demand in the Middle East**
Joseph D. Smith, Missouri University of Science and Technology, USA

10:00-10:30 **Title: Acceleration of drug discovery through the judicious application of enabling chemistry technology**
Stevan W Djuric, AbbVie | Pharmaceutical Research & Development, USA

Group Photo

10:30-10:50 **Coffee Break @ Foyer**

10:50-11:20 **Title: Molecular photoswitching enables ultrasensitive detections and super-resolution imaging in biological cells**
Alexander Li, Washington State University, USA

11:20-11:50 **Title: Power - to - X - efficient harnessing of renewables**
Rudiger-A. Eichel, Forschungszentrum Jülich GmbH, Germany

Symposium by Michael Schnurch | TU Wien, Austria

11:50-12:20 **Title: Substituting gaseous reagents in C-H activation chemistry – A quest for increased practicability at the laboratory scale**
Michael Schnurch, TU Wien, Austria

12:20-12:40 **Title: Catellani reactions 2.0: From batch to continuous flow conditions**
Nicola Della Ca, University of Parma, Italy

12:40-13:00 **Title: Highly reactive non-classical iron(II) polyhydride pincer complexes – Catalysts for the activation of C-H and B-H bonds**
Karl Kirchner, Vienna University of Technology, Austria

13:00-13:20 **Title: Reactivity of hypercoordinated iodanes in C-H functionalization**
Andras Stirling, Research Center for Natural Sciences, Hungary

13:20-13:40 **Title: Bond activation using cobalt complexes: Synthesis of arenes and heteroarenes**
Marko Hapke, Johannes Kepler University Linz, Austria

13:40-14:20 **Lunch @ Foyer**

Speaker Session

Inorganic Chemistry | Organic Chemistry

Session Chair: Dr. Stevan W Djuric, USA

Session Co-Chair: Dr. Luisa Di Paola, Italy

Session Introduction

14:20-14:40 **Title: Tyrosinase: An enzyme for multiple approaches**
Marcia Cristina Campos de Oliveira, Federal Rural University of Rio de Janeiro, Brasil

14:40-15:00 **Title: Uses of cyclohexandiones for the synthesis of nitrogen and/or sulfur heterocyclic compounds together with their cytotoxic evaluations**
Rafat M. Mohareb, Cairo University, Egypt

15:00-15:20	Title: Catalytic enantioselective synthesis and its application to drug production Mauro. F. A. Adamo, Royal College of Surgeons in Ireland (RCSI), Ireland
15:20-15:40	Title: Synthesis and characterization of biologically active Benzimidazol analogs D. Ramachandran, Acharya Nagarjuna University, India
15:40-16:00	Coffee Break @ Foyer
16:00-16:20	Title: Organic-inorganic porphyrin-polyoxometalate hybrid materials for the photoelectrochemical energy conversion and for the photocatalysis Laurent Ruhlmann, University of Strasbourg, France
16:20-16:40	Title: Thermodynamic characteristics of hydration processes of lithium-cesium double chloride $\text{LiCl} \cdot 3\text{CsCl} \cdot 4\text{H}_2\text{O}$ Olga Pestova, Saint Petersburg State University, Russia
16:40-17:00	Title: X-ray-crystal of aurate salt complex of di-protonated tetra (2-pyridyl) pyrazine H_2TPPZ Mohsen M Mostafa, Mansoura University, Egypt

Panel Discussion

Day 2 Tuesday | June 12, 2018

Hall - Romelo

Keynote Session

09:00-09:30	Title: The role of mass spectrometry in improving the diagnosis and management of thyroid and adrenal diseases Steven J Soldin, National Institutes of Health (NIH), USA
09:30-10:00	Title: Hydrogels coupled with monitoring electrochemical tool for a cleaning of graphic artworks Laura Micheli, University of Rome Tor Vergata, Italy
10:00-10:30	Title: Pyrazoloquinolinones as new tool compounds for GABA_A receptors Michael Schnurch, TU Wien, Austria
10:30-10:50	Coffee Break @ Foyer
10:50-11:20	Title: Nature inspired synthesis to deliver functionally diverse small molecules Kamal Kumar, Max Planck Institute of Molecular Physiology, Germany

Speaker Session 1

Session Chair: Dr. Steven J Soldin, USA

Session Co-Chair: Dr. Nicola Della Ca, Italy

11:20-11:40	Title: Autoimmunity and neurodegeneration: The mimicry pathway from aberrant N-glycosylated peptides to specific bacterial antigens Anna Maria Papini, University of Florence, Italy
11:40-12:00	Title: PEGylated auxiliary: Accessing homogeneous glycoproteins via sequential glycosylation and ligation of peptides Claudia Bello, University of Florence, Italy
12:00-12:20	Title: New organic peroxides with valuable properties Alexander Terentev, N. D. Zelinsky Institute of Organic Chemistry, Russia
Special Session: Theoretical Biochemistry	
12:20-12:50	Title: Proteins in the net how the network paradigm modified the approach to protein science Luisa Di Paola, University Campus Bio-Medico, Italy
12:50-13:10	Title: TBA Alessandro Giuliani, University Campus Bio-Medico, Italy
13:10-13:30	Title: Mapping energy transport networks in proteins David M. Leitner, University of Nevada, USA

13:30-14:10	Lunch @ Foyer
14:10-14:30	Title: Unravelling cancer driver mutations using protein structure network and molecular dynamics Elena Papaleo, Danish Cancer Society Research Center, Denmark
14:30-14:50	Title: Characterization of allosteric binding pockets through protein contact network analysis of protein structures: An approach to drug discovery Chiara Platania, University of Catania, Italy
14:50-15:10	Title: TBA Giuseppe Melacini, McMaster University, Canada
Speaker Session 2	
Environmental Chemistry Green Chemistry	
15:10-15:30	Title: Identification, occurrence and transport of emerging per – And polyfluoroalkyl substances from a fluoropolymer facility in China Yali Shi, State Key Laboratory of Environmental Chemistry and Ecotoxicology, China
15:30-15:50	Title: Emission and elimination of cyclic volatile methylsiloxanes in landfills located in twenty cities of China Lin Xu, State Key Laboratory of Environmental Chemistry and Ecotoxicology, China
15:50-16:10	Coffee Break @ Foyer
16:10-18:00	Poster Presentations @ Foyer
Poster Judge 1: Michael Schnurch, Austria	
Poster Judge 2: Laura Micheli, Italy	
ECCP1	A LSPR sensor for detection of Pb(II) based on functionalized gold nanoparticles Junwei Di, Soochow University, China
ECCP2	Utilization of the waste of Mexican lemon seeds (<i>Citrus aurantifolia</i>) for the production of biodiesel Benito Reyes Trejo, Autonomous University Chapingo, Mexico
ECCP3	Snapshot of Ruthenium–Carbene–Resorc[4]arene Complex in an Olefin Metathesis Reaction Deborah Quaglio, Sapienza University of Rome, Italy
ECCP4	Resorc[4]arene-based site directed immobilization of antibodies for immunosensors development Francesca Ghirga, Italian Institute of Technology, Italy
ECCP5	The effective method of synthesis the functional materials based on oxides of d-block elements Ilya Sokolov, Moscow Technological University (MIREA), Russia
ECCP6	Copper binding induces nitration of NPY under nitrate stress Huixian Ye, Huazhong University of Science and Technology, China
ECCP7	Light-up fluorescent transducer for the determination of glucose based on manganese dioxide-phenol formaldehyde resin nanocomposite Xudong Wang, Huazhong University of Science and Technology, China
ECCP8	Cathodic protection of offshore structures partially buried: A numerical approach Simone Louise Delarue Cezar Brasil, Federal University of Rio de Janeiro, Brazil
ECCP9	Uses of dimedone for the synthesis of new heterocyclic derivatives with anti-tumor, c-Met, tyrosine and Pim-1 kinases inhibitions Wagnat W. Wardakhan, National Organization for Drug Control & Research, Egypt
ECCP10	The regulatory effect of Selt overexpression on glucose metabolism Ke Li, Huazhong University of Science & Technology, China
ECCP11	Inorganic polymers based on dimethyl H-phosphonate and silicon or boron compounds Violeta Mitova, Bulgarian Academy of Sciences, Bulgaria

ECCP12	Synthesis and characterization of new BTBT derivatives with alkylthiophene core Pavol Tisovsky, Comenius University, Slovakia
ECCP13	Extending half life of h-ferritin nanoparticle by fusing albumin binding domain for doxorubicin encapsulation Rong Yu, Chinese Academy of Sciences, China
ECCP14	Chemical weathering of lime-based tempera paint dosimeters under polluted urban air and accelerated SO₂ test Carolina Cardell Fernandez, University of Granada, Spain
ECCP15	Synthetic non-hem catalase models Patrik Torok, University of Pannonia, Hungary
ECCP16	Kinetics and mechanism of epoxidation of olefins by chiral tetrapyrridyl oxoiron(IV) complex Balazs Kripli, University of Pannonia, Hungary
ECCP17	Steric control and mechanism of benzaldehyde oxidation by polypyridyl oxoiron(IV) complexes: Aromatic versus benzylic hydroxylation of aromatic aldehydes Jozsef Kaizer, University of Pannonia, Hungary
ECCP18	Occurrence of fluorinated methylsiloxanes in sewage sludge in China Yaqi Cai, Research Center for Eco-Environmental Sciences, China
ECCP19	Two new C₂₁ steroidal glycosides from marsdeniastenacissima(R_{OXB}.) Wight et Arn Shu Wang, Sichuan University, China
ECCP20	TBA Pablo Sobrado, Virginia Tech, USA
ECCP21	Positron annihilation Doppler broadening studies on ruthenium(III) antibiotic sulfa-drug complexes Moamen S. Refat, Taif University, Saudi Arabia

End of Day 2

Panel Discussions

Day 3 Wednesday | June 13, 2018

Hall - Romelo

Keynote Session

09:00-9:30	Title: Biopolymers bioconjugates and biomaterials from renewable lipids Aman Ullah, University of Alberta, Canada
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Speaker Session 1

Materials Chemistry | Environmental Chemistry | Green Chemistry

Session Chair: Dr. Domenico Albanese, Italy

Session Co-Chair: Dr. Ruben Mas-Balleste, Spain

09:30-9:50	Title: Inherent photocatalytic properties of imine-based COFs Ruben Mas-Balleste, Autonomous University of Madrid, Spain
09:50-10:20	Title: Application of the LBET method to the analysis of microporous structure of the active carbons produced from biomass by chemical activation Mirosław Kwiatkowski, AGH University of Science and Technology, Poland
10:20-10:40	Title: Synthesis and NMR characterisation of phosphorus and silicon containing inorganic polymers Neli Koseva, Bulgarian Academy of Sciences, Bulgaria
10:40-11:00	Coffee Break @ Foyer
11:00-11:20	Title: A concise synthesis of 2,3-dihydro-1,5-benzothiazepines Domenico Albanese, University of Milan, Italy

Speaker Session 2

Neurochemistry | Nuclear Chemistry | Polymer Chemistry | Medicinal Chemistry

11:20-11:40	Title: SO₂ and HCl removal characteristics of hydrated limes with different specific surface areas in the dry-type sorbent reaction accelerator at operating condition of waste incineration plant Young-Ok Park, Korea Institute of Energy Research, Korea
11:40-12:00	Title: Other half of liquid chromatography Xindu Geng, Northwest University, China
12:00-12:20	Title: Replacing Pd(OAc)₂ with supported palladium nanoparticles in C-H bond, C-O bond activation reaction Yong-Sheng Bao, Inner Mongolia Normal University, China
12:20-12:40	Title: Aminoacetylenic derivatives of various biological activities Zuhair Muhi-eldeen, Petra University, Jordan
12:40-13:00	Title: Exploring new avenues for covalent functionalization and application of carbon-encapsulated iron nanoparticles Artur Kasprzak, Warsaw University of Technology, Poland
13:00-13:20	Title: Cationic antimicrobial peptides are active against multidrug-resistant <i>Staphylococcus aureus</i> and <i>Pseudomonas aeruginosa</i> Carole Ayoub Moubareck, Zayed University, UAE
13:20-13:40	Title: Matching extendability of fullerene graphs Shoichi Tsuchiya, Senshu University, Japan
13:40-14:20	Lunch @ Foyer
14:20-14:40	Title: New compounds of Ru (II) and of cone metals stabilized with NHC ligands: Synthesis, characterization and antimicrobial activity Carmela Saturnino, University of Basilicata, Italy

Young Researchers Forum

14:40-15:00	Assessment of antioxidant activity and mineral composition of forest herbs and fruits Paulina Drozd, Forest Research Institute, Poland
15:00-15:20	Application of hydrophilic interaction liquid chromatography in the speciation analysis of selenium Aleksandra Sentkowska, University of Warsaw, Poland

Certificate Distribution & Closing Ceremony

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