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Scientific Program

4th European Chemistry Congress

May 11-13, 2017 Barcelona, Spain

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943rd Conference

Day 1 May 11, 2017

08:00-09:00 Registrations

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conferenceseries.com 09:00-09:15 **Opening Ceremony**

Keynote Forum

09:15-09:20	Introduction
09:20-09:50	Title: Hybrid nanostructures made of gold nanoparticles and functional polymers: Chemistry and applications in sensors **Claire Mangeney**, University Paris Diderot, France
09:50-10:20	Title: A Staudinger-diaza-Wittig tandem reaction and its application to the synthesis of 1H-indazoles, 1H-benzoindazoles and 1H-azaindazoles from (het)aryl azides **Eric Pasquinet**, CEA, France

Networking & Refreshments 10:20-10:35 @ Meeting Halls

Sessions: Organic Chemistry | Inorganic Chemistry | Analytical Chemistry | Green Chemistry: Green Chemical Principles | Materials Chemistry

Session Chair: Ju Chou, Florida Gulf Coast University, USA
Session Co-chair: Judit Tulla-Puche, University of Barcelona, Spain

Session Introduction

10:35-10:55	Title: The synthesis of complex marine depsipeptides **Judit Tulla-Puche**, University of Barcelona, Spain
10:55-11:15	Title: Green synthesis and characterization of stable gold nanoparticles from various fruits juices and fruit waters for biomedical applications **Ju Chou**, Florida Gulf Coast University, USA
11:15-11:35	Title: Electrodeposition of nickel on glassy carbon electrode: The rotating disk study **Batric Pesic**, University of Idaho, USA
11:35-11:55	Title: Hydrogen generation from hydrous hydrazine using Ir-based nocatalysts **Davide Motta**, Cardiff University, United Kingdom
11:55-12:15	Title: Phosphor solutions for the reduction of the time dependant intensity variation of AC LEDs **Simon Korte**, Munster University of Applied Sciences, Germany
12:15-12:35	Title: On the VUV luminescence and degradation of UV-C emitting phosphors **Mike Broxtermann**, Munster University of Applied Sciences, Germany
12:35-12:55	Title: Oxide materials chemistry using single crystal and powder X-ray and neutron diffraction **Tilo Sohnel**, University of Auckland, New Zealand
12:55-13:15	Title: High temperature ceramic ionic conductors for hydrogen separation **Cecilia Mortalo**, CNR-ICMATE, Italy

Group Photo

Lunch Break 13:15-14:15 @ Mediteraneo

Sessions: Organic Chemistry | Inorganic Chemistry | Analytical Chemistry | Green Chemistry: Green Chemical Principles | Materials Chemistry

Session Chair: Batric Pesic, University of Idaho, USA
Session Co-chair: Cecilia Mortalo, Chemical Institute of Condensed Matter and Energy Technologies, Italy

Session Introduction

14:15-14:35	Title: Moving microdroplets in 3D using photochemopropulsion **David L Officer**, University of Wollongong, Australia

14:35-14:55	**Title: Understanding underlying chemistry for renewable energy materials and environmental remedies using first principles-based computational modelings** **Byunghan Han,** Yonsei University, South Korea
14:55-15:15	**Title: Organic semiconductor materials for high efficiency dye-sensitized solar cells** **Hwan Kyu Kim,** Korea University, Korea
15:15-15:35	**Title: Construction of functional structure by precise molecular-design** **Hui Li,** Beijing Institute of Technology, China
15:35-15:55	**Title: Band-gap engineering for graphene by using low energy alkali metal ions** **Jinwook Chung,** Pohang University of Science and Technology, Korea
	Networking & Refreshments 15:55-16:10 @ Meeting Halls
16:10-16:30	**Title: Development and validation of a voltammetric method for the determination of antimony in aqueous medium** **Hugo Romero B,** Technical University of Machala, Ecuador
16:30-16:50	**Title: P-BGCE - photoreduction of benzophenone in green chemistry using an alternate solvent ethyl alcohol** **Geeta Verma,** Chandra Shehkar Azad Govt Post Graduate Nodal College, India
16:50-17:10	**Title: Synthesis of 5-membered heterocyclic systems by the pummerer reaction** **Diego Gamba-Sanchez,** University of Los Andes, Colombia
17:10-17:30	**Title: Fused multifunctionalized dibenzoselenophenes from tetraynes** **Yimin Hu,** Anhui Normal University, China
17:30-17:50	**Title: Miniaturized wire ion trap for portable mass spectrometry** **Daniel Austin,** Brigham Young University, USA
	Panel Discussion

Day 2 May 12, 2017

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Keynote Forum

09:30-09:55	**Title: An umpolung approach to the Asymmetric α-Alkylation of aldehydes and ketones** **Don M Coltart,** University of Houston, USA
09:55-10:20	**Title: Oxidative cross-dehydrogenative coupling with selective C-O bond formation** **Alexander O Terentev,** ZIOC RAS, Russia
	Networking & Refreshments 10:20-10:35 @ Meeting Halls

Sessions: Physical Chemistry | Environmental Chemistry | Theoretical Chemistry

Session Chair: Goncagul Serdaroglu, Cumhuriyet University, Turkey
Session Co-chair: Dorothee ARNS, Petrochemicals Europe, Belgium

	Session Introduction
10:35-10:55	**Title: Highly porous bio-based nanofibrous aerogels for removing cationic dyes from aqueous solutions** **Sara Mousavi,** ZHAW Life Sciences and Facility Management, Switzerland
10:55-11:15	**Title: Hydrazine-borane derivates as promising chemical hydrogen storage system. A boron-nitrogen bond study by UV-photoelectron spectroscopy and quantum calculations** **Javier Torres Escalona,** IPREM, France
11:15-11:35	**Title: The features of diamond nucleation on nanolevel prediction of diamondization of multilayered graphene** **Pavel B Sorokin,** National University of Science and Technology MISiS, Russian Federation
11:35-11:55	**Title: CNFs-supported Pd series catalysts comparison for hydrogen evolution from additive free formic acid decomposition** **Felipe Sanchez,** Cardiff University, UK
11:55-12:15	**Title: How macroeconomic factors shape the european petrochemicals industry** **Dorothee ARNS,** Petrochemicals Europe, Belgium

12:15-12:35	**Title: Transfer dehydrogenation of 1-phenylethanol over supported palladium nanoparticles under mild conditions** **Reem AlBilali,** University of Dammam, Saudi Arabia
12:35-12:55	**Title: Substituent effect on reactivity of βCCM: A computational study** **Goncagul Serdaroglu,** Cumhuriyet University, Turkey
	Lunch Break 12:55-13:55 @ Mediteraneo
	Poster Presentations (ECPP001-ECPP014) 13:55 - 14:25
ECPP001	**Title: The importance of cyclic structure on labaditin activity against a gram-positive bacteria** **Barbosa S C,** Instituto de Física de São Carlo, Brazil
ECPP002	**Title: Kinetic investigation of the formation of neodymium(III) porphyrin complexes** **Melitta Patricia Kiss,** University of Pannonia, Hungary
ECPP003	**Title: Facile synthesis of polyindole via emulsion polymerization: Effects of oxidant and surfactant types and doping** **Katesara Phasuksom,** Chulalongkorn University, Thailand
ECPP004	**Title: Electrically controlled release of ibuprofen from pectin hydrogel in transdermal drug delivery** **Sirivipa Mongkolkitikul,** Chulalongkorn University, Thailand
ECPP005	**Title: Porous zeolite y-alginate hydrogel composites for electrically controlled transdermal drug delivery** **Nophawan Paradee,** Chulalongkorn University, Thailand
ECPP006	**Title: Two cobalt-dicarboxylate metal-organic frameworks with photo-catalytic property** **Rong-Xin Yuan,** Changshu Institute of Technology, P R China
ECPP007	**Title: Continuous glucose monitoring sensors modified with nitric oxide-releasing nanofiber for improving biocompatibility: A freely-moving rat model** **Min ji Park,** Kwangwoon University, Korea
ECPP008	**Title: Development and validation of an analytical methodology for the simultaneous quantitative determination of synthetic cathinones in urine and plasma using GC-NCI-MS** **Rashed Alremeithi,** United Arab Emirates University, UAE
ECPP009	**Title: Synthesis of 1, 2, 3-triazole-linked salicylamide analogs as potent aurora kinase inhibitors** **Jae-Sang Ryu,** Ewha Womans University, Republic of Korea
ECPP010	**Title: Targeting CNS protein kinase as therapeutics for neurodegenerative diseases** **Jung-Mi Hah,** Hanyang University, Republic of Korea
ECPP011	**Title: Study of electrochemical performance: Olivine-monoclinic complexes of cathode material for Li-ion batteries** **Jiwon Lee,** University of Ulsan, Korea
ECPP012	**Title: A Theoretical Calculations of Band Gaps of conducting polymers with electron donor–acceptor unit** **Pervin Unal Civcir,** Ankara University, Turkey
ECPP013	**Title: Newly synthesized schiff bases: Structure analysis, theoretical IR, UV, 1H, 13C-NMR spectra and structureactivity relationship** **Ulku Dilek Uysal,** Anadolu University, Turkey
ECPP014	**Title: Newly synthesized Schiff bases: Structure analysis, theoretical IR, UV, 1H, 13C-NMR spectra and structureactivity relationship** **Ayse Aydogdu,** Anadolu University, Turkey
	Poster Presentations (ECPP015-ECPP027) 14:35 - 15:05
ECPP015	**Title: Synthesis, characterization and anticancer activity of new organometallic ruthenium(II/III) complexes** **Hulya Ayar Kayali,** Dokuz Eylul University, Turkey

ECPP016	**Title: Comparison of thermal and physical properties of fossil and bio-based polycarbonates** **Min-Young Lyu**, Seoul National University of Science & Technology, South Korea
ECPP017	**Title: Structure characterization of 2,6-bis(2-hydroxyethyl)-1-phenylimidazo[1,5-c]-quinazoline-3,5-dione** **Agnieszka Szyszkowska**, The Rzeszow University of Technology, Poland
ECPP018	**Title: Theoretical IR, UV, 1H and 13C-NMR spectra of certain Schiff bases derived substituted-2-aminophenol and hydroxyl benzaldehyde** **Dila Ercengi**, Anadolu University, Turkey
ECPP019	**Title: Half-sandwich ruthenium-arene complex containing heterocyclic thiosemicarbazone: The X-ray crystal structures and DNA interactions** **Elif Subasi**, Dokuz Eylul University, Turkey
ECPP020	**Title: The DFT Calculations on relationship between Solvation Energies and aromaticity of THβC, DHβC, βC** **Goncagul Serdaroglu**, Cumhuriyet University, Turkey
ECPP021	**Title: Theoretical study on a newly approved pharmaceutical formulation active components-Indacaterol and Roflumilast** **Ulku Dilek Uysal**, Anadolu University, Turkey
ECPP022	**Title: Computational study of the synthesis of pyrrole-pyrazines** **Pervin Unal Civcir**, Ankara University, Turkey
ECPP023	**Title: Synthesis, characterization and anticancer activity of new organometallic ruthenium(II/III) complexes** **Hulya Ayar Kayali**, Dokuz Eylul University, Turkey
ECPP024	**Title: Structure characterization of 2,6-bis(2-hydroxyethyl)-1-phenylimidazo[1,5-c]-quinazoline-3,5-dione** **Agnieszka Szyszkowska**, The Rzeszow University of Technology, Poland
ECPP025	**Title: Theoretical IR, UV, 1H and 13C-NMR spectra of certain Schiff bases derived substituted-2-aminophenol and hydroxyl benzaldehyde** **Dila Ercengi**, Anadolu University, Turkey
ECPP026	**Title: Collective hydration dynamics in some amino acid solutions: A combined GHz-THz spectroscopic study** **Nirnay Samanta**, S N Bose National Centre for Basic Sciences, India
ECPP027	**Biophysical characterization of dynamic hysteresis and energetics of the gating processes of the voltage gated sodium ion channel using nonequilibrium response spectroscopy** **Krishnendu Pal**, S N Bose National Centre for Basic Sciences, India
	Networking & Refreshments 15:05-15:20 @ Meeting Halls
15:20-15:40	**Title: DFT studies on copolymers of 3,4-Ethylenedioxythiophene/3-methylthiophene and pyrene** **Nevin Kaniskan**, Anadolu University, Turkey
15:40-16:00	**Title: DNA N6-methyladenine modification from unicellular eukaryotes to mammals** **Hailin Wang**, Chinese Academy of Sciences, China
16:00-16:20	**Title: Influence of different parameter in air gap membrane distillation for seawater desalination** **Rochd Sanaa**, Ben Msik Universite Hassan2 Casablanca, Morocco
16:20-16:40	**Title: First principles study on the reaction mechanisms of hydrolysis reaction of PCl_3 and $POCl_3$** **Hyunwook Jung**, Yonsei University, Korea
16:40-17:00	**Title: Physical and chemical characterisation of captagon tablets seized in dubai in 2016** **Samar Gewily**, Dubai Police Forensic Laboratory, UAE
	B2B Meeting: Evgeniya Guskova Palladium Venture Fund, Spain 17:00-17:30

Day 3 May 13, 2017

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Sessions: Medicinal Chemistry | Materials Chemistry | Petro Chemistry | Multi-disciplinary Chemistry

Session Chair: Tuanli Ya, Shaanxi University of Science and Technology, China

Session Introduction

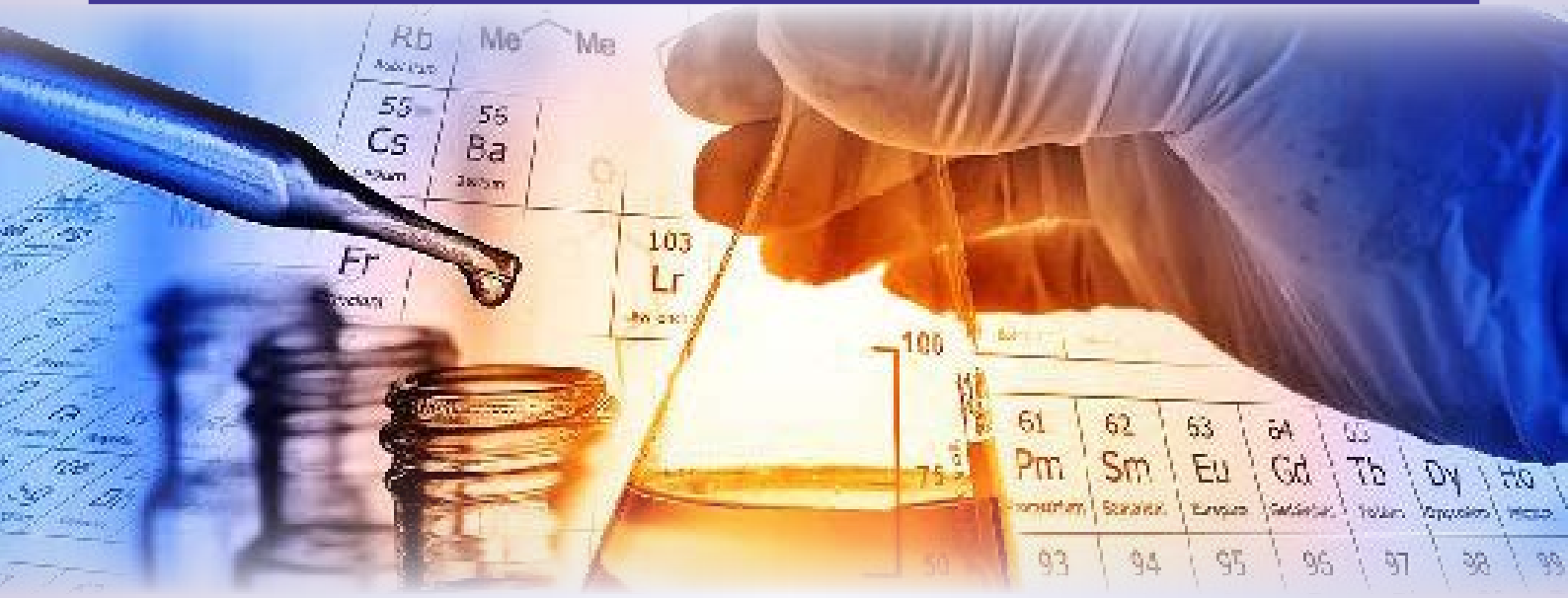
10:00-10:20	**Title: Increasing affinity and selectivity for target proteins by peptide conjugation to small molecule ligands – extending interactions "just" outside of the binding pocket** **Lars Baltzer,** Uppsala university, Sweden
10:20-10:40	**Title: Prussian blue analogues as battery materials for energy science** **Yutaka Moritomo,** University of Tsukuba, Japan

Networking & Refreshments 10:40-10:55 @ Meeting Halls

10:55-11:15	**Title: Palladium-Catalyzed Domino Heck/Aryne Carbopalladation/C-H Functionalization: Synthesis of Heterocycle-Fused 9,10-Dihydrophenanthrenes** **Tuanli Ya,** Shaanxi University of Science and Technology, China
11:15-11:35	**Title: Tenskinmetry as a conceptually innovative Tensiometric Versus Skin pathway (TVS) for non-invasive evaluation of surface energy phenomena related to the epidermal functional state and its aging critical level** **Antonio Bettero,** University of Padova, Italy
11:35-11:55	**Title: Sensors based on biomimetic porphyrin derivatives & their hybrid combinations with photonic nanoparticles** **Eugenia Fagadar-Cosma,** Institute of Chemistry Timisoara of Romanian Academy, Romania
11:55-12:15	**Title: Characterization of lamb flavor using selected ion flow tube mass spectrometry (SIFT-MS)** **Hardy Z Castada,** The Ohio State University, USA
12:15-12:35	**Title: Application of vegetable oils for extraction of rare-earth elements from water solutions** **Denis L,** Saint-Petersburg Mining University, Russia

Lunch Break 12:35-13:05 @ Mediteraneo

Award & Closing Ceremony



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June 11-13, 2018 Paris, France

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