VIRTUAL EVENT

FINAL PROGRAM

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8TH EDITION OF GLOBAL CONFERENCE ON

CATALYSIS, CHEMICAL ENGINEERING & TECHNOLOGY

27-28

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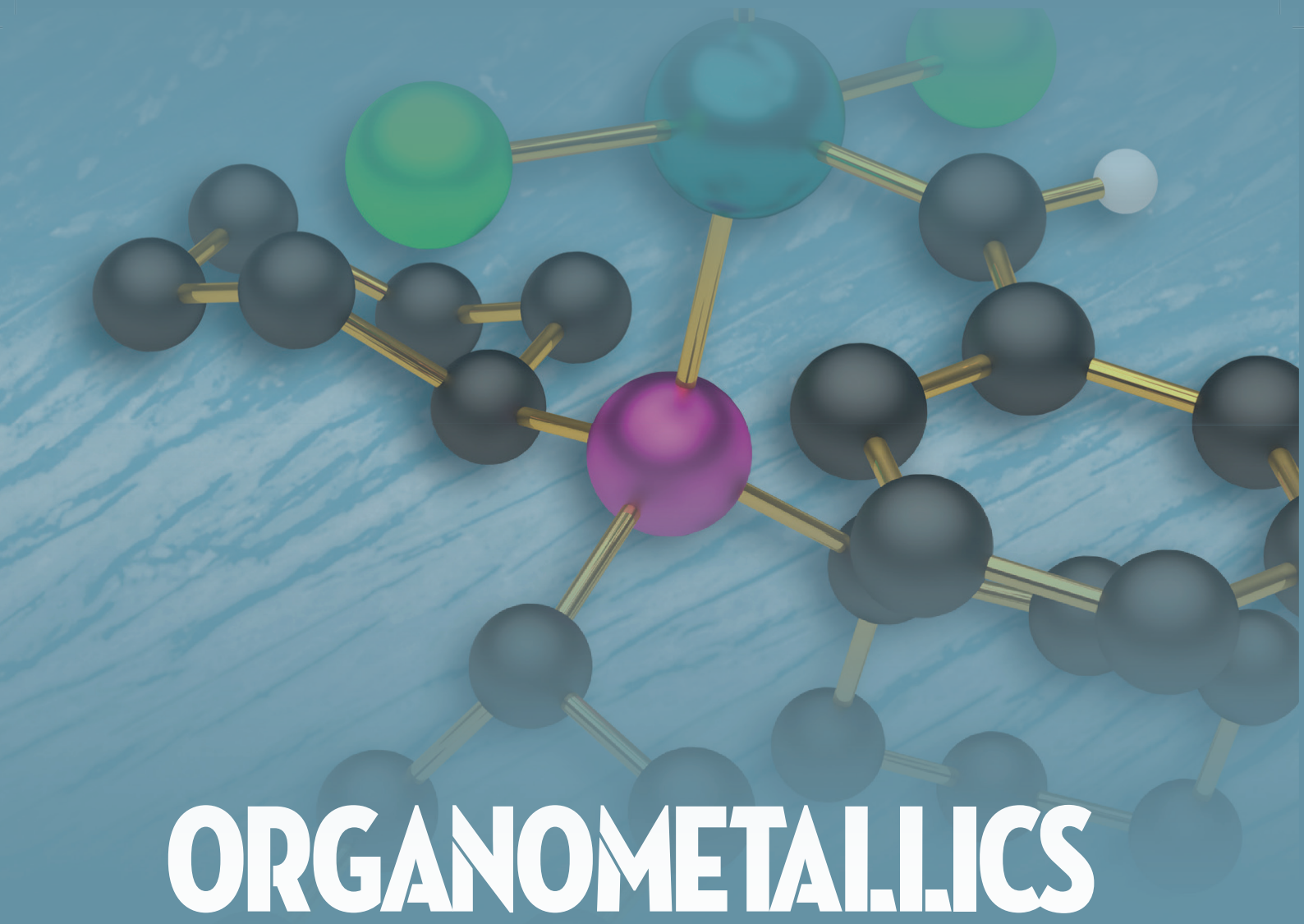
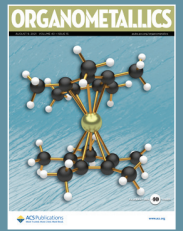


ORGANOMETALLICS

Articles record research progress across organic chemistry and inorganic chemistry on themes of catalysis, main-group chemistry, polymer and materials science, and more

EDITOR-IN-CHIEF

Paul J. Chirik, Princeton University



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GMT Timings	Local Timings	
10:00-10:10		Opening Ceremony
Keynote Presentations		
10:10-10:50	12:10-12:50	Title: Electrification of chemical engineering: A new way for intensifying chemical processes **Eugenio Meloni,** University of Salerno, Italy
10:50-11:20	12:50-13:20	Title: Optimization of Experiments for Heterogeneous Reactor Processes **Miroslaw Szukiewicz,** Rzeszow University of Technology, Poland
Oral Presentations		
11:20-11:40	13:20-13:40	Title: Intermetallic Hf2B2Ir5 as OER electrocatalyst **Iryna Antonyshyn,** Max-Planck-Institut for Chemische Physik fester Stoffe, Germany
11:40-12:00	13:40-14:00	Title: Biocatalysis in search of effective anticancer agents – A novel sugar esters based on polyhydroxyalkanoate monomers **Wojciech Snoch,** Polish Academy of Sciences, Poland
12:00-12:20	17:30-17:50	Title: Sustainable heterogeneous catalysts for arylation of arenes via C-H and C-O bond activation **G. Satishkumar,** Vellore Institute of Technology, India
12:20-12:40	20:20-20:40	Title: Enhancing the stability of Co Fischer-Tropsch catalysts with boron promotion **Adrian Tan Kong Fei,** Curtin University, Malaysia
12:40-13:00	18:10-18:30	Title: Complete oxidation of propene using Cu/Ce/ Hydroxyapatite: Effect of preparation methods **Pavan Manohar More,** Institute of Chemical Technology, India

13:00-13:20	14:00-14:20	Title: DFT study of catalytic hydrodeoxygenation of furan and derivatives on different metallic edge of MoS2 **Wilfried G. Kanhounnon,** Universite d'Abomey-Calavi, Benin
13:20-13:40	18:50-19:10	Title: Conjugated porous polymers: Potential testbed for platinum free electrocatalysis for oxygen reduction reaction **Sujoy Bandyopadhyaya,** Indrashil University, India
13:40-14:00	09:40-10:00	Title: The mechanism of the vitamin B12 active forms catalytic processes in human body **Tudor Spataru,** Columbia University, USA
14:00-14:20	17:00-17:20	Title: Transferase enzymes used in drug synthesis **Ozlem Alptekin,** University of Cukurova, Turkey
14:20-14:40	19:50-20:10	Title: Microbial hydrolytic enzymes - Power house of green fuel **Nivedita Sharma,** Dr Y S Parmar University of Horticulture & Forestry, India
14:40-15:00	16:40-17:00	Title: Ab initio tools for upgrading of biomass and production of biofuels **Michael Badawi,** University of Lorraine, France
15:00-15:20	18:00-18:20	Title: The influence of temperature and presence of organic sulfur R-S-H on the separation degree of organic solids from wastewater **Petru Spataru,** Institute of Chemistry, Republic of Moldova
15:20-15:40	18:20-18:40	Title: BODIPY dyes in light driven catalysis **Seda Cetindere,** Gebze Technical University, Turkey
15:40-16:00	18:40-19:00	Title: Development of cost-effective catalytic systems for total oxidation of VOCs by utilization of solid fuel combustion by-products **Silviya Vasileva Boycheva,** Technical University of Sofia, Bulgaria

16:00-16:20	18:00-18:20	Title: Application of biophotocatalytic system for CO2 mitigation in anerobic biogas production **Emmanuel Kweinor Tetteh,** Durban University of Technology, South Africa
16:20-16:40	19:20-19:40	Title: Implementation of spinels types of NiAl2O4, CoAl2O4 and Ni-Co2O4 as emerging nanoparticles catalysts for upgrading of extra heavy oil including hydrogen production under supercritical water conditions **Richard Djimasbe,** Kazan Federal University, Russia
16:40-17:00	17:40-18:00	Title: Lattice Boltzmann simulation of metal foam porosity effects on phase transition phenomenon in a latent heat storage device **Riheb Mabrouk,** University of Monastir, Tunisia
17:00-17:20	20:00-20:20	Title: Pyrolytic production of biofuel intermediates in the presence of zeolites: A focus on continuous operations **Guray Yildiz,** Izmir Institute of Technology, Turkey
17:20-17:40	20:20-20:40	Title: Picoplankton under the influence of climate change **Ece Kilic,** Iskenderun Technical University, Turkey
17:40-18:00	19:40-20:00	Title: Biomass-derived molecules valorization: from furfural to 2,5-furan dicarboxylic acid using a two-step oxidation/carboxylation process **Francesco Nocito,** University of Bari, Italy
18:00-18:20	02:00-02:20	Title: Gas generation mechanism of interaction between organic matter and water in high evolution stage **Dawei Chen,** Research Institute of Petroleum Exploration & Development, China
18:20-18:40	23:50-00:10	Title: Eco-friendly preparation of copper oxide graphene nanocomposites and their Fenton like activation of persulphate for the degradation of 4-chlorophenol **Binitha N Narayanan,** Sree Neelakanta Government Sanskrit College Pattambi, India

END of Day 1

GMT Timings	Local Timings	
Keynote Presentations		
10:00-10:40	13:00-13:40	Title: Process simulation of in situ catalytic fuel upgrade in aqueous media **Nikolaos C. Kokkinos,** International Hellenic University, Greece
10:40-11:20	13:40-14:20	Title: Lattice reactions and chemical factors governing shape reversibility in shape memory alloys **Osman Adiguzel,** Firat university, Turkey
Oral Presentations		
11:20-11:40	21:20-21:40	Title: Microwave-assisted synthesis and structural investigation of coal-derived few-layer graphene via a catalytic graphitization process **Faridul Islam,** The University of Newcastle, Australia
11:40-12:00	19:40-20:00	Title: Improving catalytic activity and stability over mordenite for dimethyl ether carbonylation: Effect of selective acid sites removal **Wang Xiaosheng,** China University of Petroleum-Beijing, China
12:00-12:20	14:00-14:20	Title: Natural carbon materials for sodium-ion batteries **Marita Piglowska,** Poznan University of Technology, Poland
12:20-12:40	20:20-20:40	Title: Influence of supplementary nutrients on methane generation from anaerobic fermentation of agricultural waste: Viability & Fertilizer recovery **Md Nurul Islam Siddique,** University Malaysia Terengganu (UMT), Malaysia
12:40-13:00	14:40-15:00	Title: Formate electrooxidation using cobalt hexacyanoferrate as non-noble metal catalyst **Jesus Gonzalez Cobos,** Institut de Recherches sur la Catalyse et l'Environnement de Lyon, France

13:00-13:20	18:30-18:50	Title: Adsorptive removal of phenol from wastewater using low-cost adsorbents **Ashanendu Mandal,** University of Calcutta, India
13:20-13:40	18:50-19:10	Title: Surface engineered : Noble metal nanoparticle incorporated natural diatom biosilica catalyst for oxidation of D-glucose **Varsha Brahmkhatri,** Jain University, India
13:40-14:00	19:10-19:30	Title: Packed and fluidized beds for elemental mercury adsorption **Pragati Shukla,** Bhabha Atomic Research Centre, India
14:00-14:20	19:30-19:50	Title: Enhancement of CO2 performance with incorporation of amino-functionalized filler in mixed matrix membrane **Mridusmita Barooah,** Department of Chemical Engineering, NIT Warangal, India
14:20-14:40	10:20-10:40	Title: Enrichment of sc-SWCNTs for thin film transistor and gas sensing applications **Jianying Ouyang,** National Research Council Canada, Canada
14:40-15:00	09:40-10:00	Title: PVOLED electrical simulation and analysis using CdSe quantum dots as an active layer **Carlos Alonso Lopez Gordillo,** Universidad de Ciencias y Artes de Chiapas, Mexico
15:00-15:20	10:00-10:20	Title: Review of research topics for scaling-up of sonochemical reactors (Sono-Reactors) **Orlando Elguera,** Instituto de Química (IQSC), Peru
15:20-15:40	17:20-17:40	Title: Pt-free Fe-N-C catalysts for the ORR in HT-PEMFC – Investigation of carbon black- based Fe-N-C and commercial Fe-N-C **Julia Muller Hulstede,** DLR – Institute of Engineering Thermodynamics, Germany

Poster Presentations

15:40-15:50	21:40-21:50	Title: Study of the possibility of using catalysts based on iron-ore concentrate in the decomposition of methane **Gaukhar Yergaziyeva,** Institute of Combustion Problems, Kazakhstan
15:50-16:00	21:50-22:00	Title: Conversion of ethanol over copper catalysts on rice husk **Gaukhar Yergaziyeva,** Institute of Combustion Problems, Kazakhstan
16:00-16:10	18:00-18:10	Title: A mild and simple approach to the a-perfluoroalkenylation of aldehydes by photocatalysis using phosphines **Christian Wulkesch,** Heinrich-Heine-Universitat Düsseldorf, Germany
16:10-16:20	17:10-17:20	Title: Dehydroisomerisation of a-pinene and limonene to p-cymene catalysed by metal oxides in the gas phase **Aliyah Abdullah Alsharif,** University of Liverpool, United Kingdom
16:20-16:30	19:20-19:30	Title: Facile and effective amide bond formation through direct acylation of inactivated esters **Ivaylo Slavchev,** Bulgarian Academy of Sciences, Bulgaria
16:30-16:40	19:30-19:40	Title: Spontaneous and catalyzed Crystal Nucleation in Glass of the Li2O–SiO2 System **Galina A. Sychev,** Russian Academy of Sciences, Russia
16:40-16:50	19:40-19:50	Title: Simulation of the properties dynamics of the nearest neighborhood of percolation cluster elements **Alexander Herega,** Odessa Military Academy, Ukraine

16:50-17:00	13:50-14:00	Title: Lamp phosphor powder bio-hydrometallurgical based recycling: It is possible an E-waste circular bioeconomy? **Ellen Cristine Giese**, Center for Mineral Technology (CETEM), Brazil
17:00-17:10	21:00-21:10	Title: Synthesis and formation of the Pd - MnOx / cordierite structurecatalyst for CO oxidation **Vitali Bakhtadze**, R. Agladze Institute of Inorganic Chemistry and Electrochemistry of Ivane Javakhishvili Tbilisi State University, Georgia
Thanking Note and Closing Ceremony		

UPCOMING CONFERENCES

10th Edition of Global Conference on

Catalysis, Chemical Engineering and Technology

March 28-30, 2022 | Singapore

11th Edition of International Conference on

Catalysis, Chemical Engineering and Technology

May 16-17, 2022 | Tokyo, Japan

12th Edition of Global Conference on

Catalysis, Chemical Engineering & Technology

September 05-07, 2022 | Paris, France

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