

Joint Event

Materials Science Virtual 2020,

Chemistry Virtual 2020,
Catalysis Virtual 2020 and
Pharma Virtual 2020

September 21-22, 2020

12:00 -19:00 GMT

12:00-12:10 Introduction

Sessions on: Catalysis | Chemical Engineering

Keynote Presentations

Webinar Speakers
Time Zone Time Zone

12:10-12:50 16:10-16:50 Title: An exploration of textual similarities and differences between two genres: The engineering research article (RA) and its subsequent poster

Tharwat M EL Sakran, American University of Sharjah, United Arab Emirates

Oral Presentations

12:50-13:10 18:20-18:40 Title: Microbial enzymes and their potential impact on human life

Ratnakar Ravindra Chitte, SPTMC, India

13:10-13:30 16:10-16:30 Title: Characterization, activity, stability of Ni/CeO₂-ZrO₂ catalyst via bioethanol steam reforming for H₂ production

Nezihe Ayas, Eskisehir Technical University, Turkey

13:30-13:50 19:00-19:20 Title: Hydrogenation of Dibenzocrown-6 ether using γ -Al₂O₃ supported Ru-Pd and Ru-Ni bimetallic nanoalloy catalysts

Yogeshwar R Suryawanshi, Veermata Jijabai Technological Institute, India

13:50-14:10 14:50-15:10 Title: Mixed metal oxide derived from Lanthanum-containing Zn-Fe-CO₃ Layered double hydroxides: Promoting visible light photocatalytic activity

Salima Bouteraa, University of Sciences and Technology of Oran, Algeria

14:10-14:30 19:10-19:30 Title: Thermal performance analysis of sugarcane bagasse pretreated by ionic liquids

Saad Saeed, NFC Institute of Engineering & Technology, Pakistan

■ Poster Presentations

- 14:30-14:40 15:30-15:40 Title: Gas-phase dehydroisomerization of alpha-pinene to para-cymene catalyzed by metal oxides
Aliyah Alsharif, University of Liverpool, United Kingdom
- 14:40-14:50 11:40-11:50 Title: Synthesis and characterization of POMs with Keggin-type structure of [PVXMo₁₂-XO₄₀](3+x)-; X= 1, 2: Effect of the calcination temperature on structure and texture properties
Juan Daniel Diaz Santibanez, Universidad de Concepcion, Chile
- 14:50-15:00 17:50-18:00 Title: Electrochemical CO₂ reduction in aqueous medium by a water-stable MOF (CAU-1-NH₂)
Muhammad Usman, King Fahd University of Petroleum and Minerals, Saudi Arabia
- 15:00-15:10 18:00-18:10 Title: TiO₂/PEDOT systems for visible light degradation of organic pollutants
Cristina Coromelci, Alexandru Ioan Cuza University of Iasi, Romania

■ Sessions on: Chemistry

■ Oral Presentations

- 15:10-15:30 18:10-18:30 Title: Computer 3D & 4D models of T-x-y & T-x-y-z diagrams of the ternary & quaternary systems as a novel tool in Chemistry & Materials Science
Vasily Lutsyk, Institute of Physical Materials Science SB RAS, Russian Federation
- 15:30-15:50 17:30-17:50 Title: New chemical scaffolds as carbon monoxide releasing molecules (CORMs) for the management of inflammation
Simone Carradori, "G. d'Annunzio" University of Chieti-Pescara, Italy
- 15:50-16:10 21:20-21:40 Title: Synthetic and analytical applications of chloramine-T
Kuriya M. Lokanatha Rai, University of Mysore, India
- 16:10-16:30 19:10-19:30 Title: The role of the morphology and dispersion of catalysts based on metal nanoparticles and metal-organic frameworks (MOFs) in some practically important reactions
Vera Isaeva, Russian Academy of Sciences, Russian Federation

16:30-16:50	19:30-19:50	Title: Nature of chemical elements Henadzi Filipenka , Saint Petersburg Electrotechnical University, Belarus
16:50-17:10	18:50-19:10	Title: Boosting the selectivity of Pt through Ge doping Elisa Jimenez-Izal , Euskal Herriko Unibertsitatea, Spain
17:10-17:30	22:40-23:00	Title: Metallohelicates: A potential catalyst for asymmetric synthesis E. Chinnaraja , Central Salt and Marine Chemicals Research Institute, India
17:30-17:50	19:30-19:50	Title: Application of green asymmetric dicationic ionic liquids for oil spill remediation in sea water Raghda El Nagar , Researcher in Egyptian Petroleum Research Institute, Egypt
17:50-18:10	23:20-23:40	Title: Facile green synthesis of silver nanoparticles from kitchen onion waste (<i>Allium cepa</i>) and quercetin: Evaluation of their antimicrobial activity and antioxidant potential Abhishek Chaudhary , Jaypee University of Information Technology, India
18:10-18:30	23:40-00:00	Title: Flexibility-Driven polymorphic solid-state emitters: A variation in the multi-stimuli responsive behavior for Anthracenyl π -conjugates Banchhanidhi Prusti , BITS Pilani, India

■ Poster Presentations

18:30-18:40	21:30-21:40	Title: The hyperaccumulating and remediating potential of some plant species Lydia Bondareva , Federal Scientific Center, Russian Federation
18:40-18:50	20:40-20:50	Title: Synthesis of vinylbenzyl bromide/divinylbenzene copolymer by post-polymerization functionalisation Irmina Wojciechowska , Poznan University of Technology, Poland

END OF DAY 1

■ **September 22, 2020**

Day 02

■ **Sessions on:** Materials Science | Minerals | Metallurgy

■ **Keynote Presentations**

Webinar Time Zone	Speakers Time Zone	
12:00-12:40	06:00-06:40	Title: Discovery: Reduction in photosynthesis correlation to carbon dioxide increase Dave White , Climate Change Truth Inc, USA

■ **Oral Presentations**

12:40-13:00	15:40-16:00	Title: Biocompatibility evaluation of biomedical materials Radu Albuлесcu , National Institute for Chemical Pharmaceutical R&D, Romania
13:00-13:20	16:00-16:20	Title: Reliability design of mechanical systems subject to repetitive stresses Seongwoo Woo , Addis Ababa Science & Technology University, Ethiopia
13:20-13:40	14:20-14:40	Title: Post effect of RTP processing on as-cut c-Si silicon wafers Yacine Kouhlane , University Badji Mokhta, Algeria
13:40-14:00	09:40-10:00	Title: Bio-mimetic multimodal nanostructured surfaces fabricated with self-assembling biopolymer and its applications Rakkiyappan Chandran , Research and Development Scientist, Supreme Corporation, USA
14:00-14:20	16:00-16:20	Title: How can microfluidics help material scientists in the field of advance materials? Afshin Abrishamkar , ESPCI Paris, CNRS, PSL Research University, France

■ **Sessions on:** Pharmaceutics and Drug Delivery Systems

■ **Oral Presentations**

14:20-14:40	10:20-10:40	Title: Key drug disposition genes and hepatic metabolic pathways are altered in germ-free mice during pregnancy Qingcheng Mao , University of Washington, USA
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14:40-15:00	11:40-12:00	Title: Perspectives for the development of strategies (drugs and non-drug therapies) for the reduction of inflammation, injury, and muscle recovery biomarkers Renato Carvalho Vilella , INCISA-IMAM, UNIASSELVI, Connective Tissue, Brazil
15:00-15:20	00:00-00:20	Title: Donor-acceptor-type polymers having Oligothiophenes with well-defined structure Ichiro Imae , Hiroshima University, Japan
15:20-15:40	18:20-18:40	Title: The use of indocyanine green in the detection of sentinel lymph node in gynaecological cancers and endometriosis Catalin Bogdan Coroleuca , University of Medicine and Pharmacy, Romania
15:40-16:00	21:10-21:30	Title: A detailed characterization of Sfin-1, Sfin-2 and Sfin-3, novel lytic phages infecting multidrug-resistant Shigella spp. Nabanita Giri , Acharya Prafulla Chandra College, India
16:00-16:20	21:30-21:50	Title: Novel Nanonutraceutical formulations and its role in health as biomedicine Sumathi Jones , Professor and Head, Asan Memorial Dental College and Hospital, India
16:20-16:40	22:20-22:40	Title: Syntheses, characterization and antimicrobial investigation on some new metal complexes of an aryl substituted Azamacrocyclic Chelator Tapashi Ghosh Roy , University of Chittagong, Bangladesh

Closing Ceremony



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