

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  
Time Zone

Speakers  
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/CeO<sub>2</sub>-ZrO<sub>2</sub> catalyst via bioethanol steam reforming for H<sub>2</sub> production

**Nezihe Ayas**, Eskisehir Technical University, Turkey

13:30-13:50

19:00-19:20

Title: Hydrogenation of Dibenzocrown-6 ether using  $\gamma$ -Al<sub>2</sub>O<sub>3</sub> 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-CO<sub>3</sub> 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 [PVXMo<sub>12</sub>-XO<sub>40</sub>](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 CO<sub>2</sub> reduction in aqueous medium by a water-stable MOF (CAU-1-NH<sub>2</sub>)  
**Muhammad Usman**, King Fahd University of Petroleum and Minerals, Saudi Arabia
- 15:00-15:10    18:00-18:10    Title: TiO<sub>2</sub>/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  <b>Henadzi Filipenka</b> , Saint Petersburg Electrotechnical University, Belarus
16:50-17:10	18:50-19:10	Title: Boosting the selectivity of Pt through Ge doping  <b>Elisa Jimenez-Izal</b> , Euskal Herriko Unibertsitatea, Spain
17:10-17:30	22:40-23:00	Title: Metallohelicates: A potential catalyst for asymmetric synthesis  <b>E. Chinnaraja</b> , 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  <b>Raghda El Nagar</b> , 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  <b>Abhishek Chaudhary</b> , Jaypee University of Information Technology, India
18:10-18:30	03:10-03:30	Title: Donor-acceptor-type polymers having Oligothiophenes with well-defined structure  <b>Ichiro Imae</b> , Hiroshima University, Japan
18:30-18:50	00:00-00:20	Title: Flexibility-Driven polymorphic solid-state emitters: A variation in the multi-stimuli responsive behavior for Anthracenyl $\pi$ -conjugates  <b>Banchhanidhi Prusti</b> , BITS Pilani, India

## ■ Poster Presentations

18:50-19:00	21:50-22:00	Title: The hyperaccumulating and remediating potential of some plant species  <b>Lydia Bondareva</b> , Federal Scientific Center, Russian Federation
19:00-19:10	21:00-21:10	Title: Synthesis of vinylbenzyl bromide/divinylbenzene copolymer by post-polymerization functionalisation  <b>Irmina Wojciechowska</b> , 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  <b>Dave White</b> , Climate Change Truth Inc, USA

## ■ **Oral Presentations**

12:40-13:00	15:40-16:00	Title: Biocompatibility evaluation of biomedical materials  <b>Radu Albuлесcu</b> , 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  <b>Seongwoo Woo</b> , 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  <b>Yacine Kouhlane</b> , 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  <b>Rakkiyappan Chandran</b> , 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?  <b>Afshin Abrishamkar</b> , 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  <b>Qingcheng Mao</b> , 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  <b>Renato Carvalho Vilella</b> , INCISA-IMAM, UNIASSELVI, Connective Tissue, Brazil
15:00-15:20	18:00-18:20	Title: The use of indocyanine green in the detection of sentinel lymph node in gynaecological cancers and endometriosis  <b>Catalin Bogdan Coroleuca</b> , University of Medicine and Pharmacy, Romania
15:20-15:40	20:50-21:10	Title: A detailed characterization of Sfin-1, Sfin-2 and Sfin-3, novel lytic phages infecting multidrug-resistant Shigella spp.  <b>Nabanita Giri</b> , Acharya Prafulla Chandra College, India
15:40-16:00	21:10-21:30	Title: Novel Nanonutraceutical formulations and its role in health as biomedicine  <b>Sumathi Jones</b> , Professor and Head, Asan Memorial Dental College and Hospital, India
16:00-16:20	22:00-22:20	Title: Syntheses, characterization and antimicrobial investigation on some new metal complexes of an aryl substituted Azamacrocyclic Chelator  <b>Tapashi Ghosh Roy</b> , University of Chittagong, Bangladesh
16:20-16:40	19:20-19:40	Title: Effect of Diclofenac on Doxorubicin-Induced Apoptosis in Breast Cancer  <b>Noha Eldeab Mohamed</b> , King Abdulaziz University, Saudi Arabia

## Closing Ceremony



## Contact

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