

2nd Online International Conference on
Chemistry and Nanosciences

March 04-05, 2021

Day 01: March 04, 2021

“BRITISH TIME - STARTS FROM 11:00 AM”

- 11:00 - 11:15 **Opening Ceremony and Introduction**

Speaker Sessions

- 11:15 - 11:40 Title: Using XRD technique for model composite and related materials
Takashiro Akitsu, Tokyo University of Science, Japan
- 11:40 - 12:05 Title: AI in support to plant disease management
P Anitha, Department of Botany, BMS College for Women, India
- 12:05 - 12:30 Title: Ferrocenylated molecular cages for homogenous catalysis
Artur Kasprzak, Warsaw University of Technology, Poland
- 12:30 - 12:55 Title: Laser ablation of perovskite bulks and adamantylammonium halides for producing hybrid nanoparticles
Ignacio Rosa-Pardo, University of Valencia, Spain
- 12:55 - 13:20 Title: Recent developments in functionalization of antibacterial polymer coatings
Iva Rezić, University of Zagreb, Croatia
- 13:20 - 14:05 Break
- 14:05 - 14:30 Title: Synthesis and biological activity studies of cyclotriphosphazene derivatives containing carbazole side groups
Resit Cemaloglu, Ankara University, Turkey
- 14:30 - 14:55 Title: Peptide nanogels as scaffold for fabricating dermal grafts and 3D skin models
Wafaa T Arab, King Fahad Medical Research Center, King Abdul Aziz University, KSA
- 14:55 - 15:20 Title: Reliability design of mechanical systems subjected to repetitive stresses
Seong-woo Woo, Addis Ababa Science and Technology University, Ethiopia
- 15:20 - 15:45 Title: A novel strategy of AOX-1p guided expression of amylase from *Bacillus licheniformis* in a Lipase+ *Pichia pastoris* host in presence of methyl oleate
Amuliya Kashyap and Rani Gupta, University of Delhi South Campus, India

2nd Online International Conference on
Chemistry and Nanosciences

March 04-05, 2021

- 15:45 - 16:10 Title: Photocatalytic remediation of nitrate in aqueous environment by TiO₂-based photocatalysts – Organic hole scavenger influence on reaction product(s)
Haruna Adamu, Abubakar Tafawa Balewa University, Nigeria
- 16:10 - 16:25 Break
- 16:25 - 16:50 Title: Applications of enzymatic protein modification using prenyltransferases
Mark D Distefano, University of Minnesota, USA
- 16:50 - 17:15 Title: Double-Duty metal complexes: Catalysis and anti-microbial activity in one package!
Joseph S Merola, Virginia Tech Blacksburg, USA
- 17:15 - 17:45 Title: Theoretical investigation on linear and nonlinear optical properties of a GaN/ Al_xGa_{1-x}N core/ shell/ matrix structure
Nabil Zeiri, Université de Kairouan and Université de Sousse, Tunisia

Certificate Felicitation and Closing Ceremony

Day 02: March 05, 2021

“BRITISH TIME - STARTS FROM 11:00 AM”

11:00 - 11:15 **Introduction**

Speaker Sessions

- 11:15 - 11:40 Title: Laboratory and field studies for sources and fate of atmospheric gaseous elemental mercury
Satoshi Irei, National Institute for Minamata Disease, Japan
- 11:40 - 12:05 Title: Chemoselective reduction of nitroarenes to aromatic amines with commercial metallic iron powder in water under mild reaction conditions
Rajendra D Patil and Yoel Sasson, Moolji Jaitha College, India and The Hebrew University of Jerusalem, Israel
- 12:05 - 12:30 Title: Palladium-catalysed controlled amination and arylation of 3-cyclopropyl-1-methylpyrazol-5-amine
Fatma Allouche, University of Sfax, Tunisia

2nd Online International Conference on Chemistry and Nanosciences

March 04-05, 2021

- 12:30 - 12:55 Title: Design and synthesis of novel stiripentol mimics for the treatment of neurological disorders

Santosh Kumar Rath, Danteswari College Pharmacy, India

- 12:55 - 13:10

Break

Poster Sessions

- 13:10 - 13:30 Title: Synthesis ultrathin 2D nanocrystals of NiCo-LDH/RGO via layer-by-layer method and study of their electrochemical properties as electrodes of hybrid battery-supercapacitor devices

Artem Lobinsky, Saint Petersburg State University, Russia

- 13:30 - 13:50 Title: Additive manufacturing of silicone soft materials designed for health care

Jean-Marc Francès, Elkem Silicones, France

- 13:50 - 14:10 Title: A simple aptamer-based colorimetric assay for rapid detection of C-reactive protein using gold nanoparticles

Maria Antonio, University of Aveiro, Portugal

- 14:10 - 14:30 Title: Infrared Spectroscopic Study of LTX-315 on liposomes mimicking cancer cell membranes: An application to understand the activity of biological active peptides

Maria Camila Klaiss and Marcela Manrique-Moreno, University of Antioquia, Colombia

- 14:30 - 14:50 Title: Starch-based C-dots from natural gadong tuber as pH fluorescence label for optical biosensing of arginine

Ling Ling Tan, National University of Malaysia, Malaysia

Certificate Felicitation and Closing Ceremony
