

5th Online International Conference on Catalysis and Chemical Engineering (Scopus Indexed)

Day 1 - April 04, 2022

10:00 - 10:10

Introduction

Plenary Presentation

10:10 - 10:50

Identification Of Solids For True Design And Precise Characterization Of Functional Materials
Bunsho Ohtani, Bu Hokkaido University, Japan

Oral Presentations

10:50 - 11:10

Eco-Friendly Synthesis Of Metallic Bismuth Nanoparticles
Marc Port, HESAM University, France

11:10 - 11:30

Screening of Commercial Fined Plate-Tube Heat Exchangers for Adsorption Heat Transformation
Alexandra Grekova, Boreskov Institute of Catalysis SB RAS, Russia

11:30 - 11:50

Transition Metal Complexes (Fe, Cu, Co) With Semi-, Thiosemi - And S-Methl - Isothiosemicarbazone Ligand Systems As Potential Electrocatalysts For Hydrogen Evolution Raction
Violeta Jevtovic, University of Hail, Kingdom of Saudi Arabia

11:50 - 12:10

Semisynthesis Of Rumphellaones A-C And Rumphellolide J From Caryophyllene
Rasina Dace, Latvian Institute of Organic Synthesis, Latvia

12:10 - 12:30

Enantiopure Construction Of Small-Molecules Of Drug-Likeness From Naturally Occurring Non-Racemic 2-Hydroxycitric Acid Lactones
Chithra Mohan, Mahatma Gandhi University , India

Lunch: 12:30 - 13:00

13:00 - 13:20

Green Synthesis Of Nano Composites For Radioactive And Toxic Ion Binding
Ugis Eismonts, University of Latvia, Latvia

13:20 - 13:40

The Abatement Of Dye From Real-Time Textile Dyeing Effluent Using Electrochemically Generated Cu(OH)₂/Cu₂O As Coagulants In Electrocoagulation
Parameswari Kalivel, Karunya Institute of Technology and Sciences, India

13:40 - 14:00

Smart Hybrid Self-Sensing Nano-Composite Concrete Embedded Sensors For Structural Health Monitoring Applications
Anand M.Hunashyal, KLE Technological University, India

14:00 - 14:20

Information Shuttling by shuttling of electron - A Novel Electrochemical/DFT Approach
Saba Rauf, Jinnah University for Women, Pakistan

Day 1 Concludes

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Keynote Presentations

- 10:00 - 10:30 **Optimization Of Engine Operating Parameters Using Hybrid-Numerical Model**
Sathyanatayanan. S, Saranathan College of Engineering, India
- 10:30 - 11:00 **Chemical Factors And Lattice Reactions Governing Thermoelasticity And Superelasticity In Shape Memory Alloys**
Osman Adiguzel, Firat University, Turkey

Oral Presentations

- 11:00 - 11:20 **Investigation On Mechanical Properties Of A Livestock Waste (Valle Del Belice' Sheep Wool) As Reinforcement In Earthen Building Components**
Monica Parlato, University of Catania, Italy
- 11:20 - 11:40 **Biodifferentiation And Biosynthesis Of Zinc Oxide Nanoparticles Using Olive Mill Wastewater And Music Sounds**
Selma Hamimed, University of Carthage, Tunisia
- 11:40 - 12:00 **Microwave Assisted Spectrophotometric Determination Of Cefaclor In Pure Form And Pharmaceutical Formulation**
Amina Mumtaz, PCSIR Labs Complex, Pakistan
- 12:00 - 12:20 **Crossing Of Potato And Biotechnology**
Partoev Kurbonali, National Academy of Sciences, Tajikistan
- 12:20 - 12:40 **Synthesis Of Surface Engineered Zinc Ferrite ($ZnFe_2O_4$) Nanoparticles By Coprecipitation Method And Their Characterization**
Atta Ur Rahman, Jjiangsu University of Science and Technology, China
- 12:40 - 13:00 **Green synthesis of a novel porous gold-curcumin nanocomposite for efficient alcohol oxidation**
Sai Prasad Nayak, Sri Sathya Sai Institute of Higher Learning, India

Poster Presentation

- 13:00 - 13:15 **Docking And Molecular Dynamics To Predict The Binding Modes Of Flavonoid With Some Kinase Inhibitors**
Abdelatif Messaoudi, Université Batna, Algeria

Day 2 Concludes