

Webinar on
**CATALYSIS AND
CHEMICAL ENGINEERING**

NOVEMBER 05, 2020 | 11 : 00 GMT

Coalesce Research Group

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Scientific Program

Webinar on Catalysis and Chemical Engineering

Thursday
Nov 05, 2020

Day 1 - November 05, 2020

11:00 - 11:10 Introduction

11:10 - 11:50 Influence of Quartz Addition to Thermal, Mechanical and Processing Parameters on PP-based Composites
Alinda Öykü Akar, Esan Eczacıbasi R&D Center, Material Development Department, Turkey

11:50 - 12:30 CO₂ hydrogenation over alkali-promoted CuO/CeO₂ catalysts
Georgios Varvoutis, Centre for Research & Technology Hellas, Greece

12:30 - 13:10 Porous CuO catalysed green synthesis of some novel 3-alkylated indoles as potent antitubercular agents
Ratnesh Das, Dr Harisingh Gour Central University, India

Lunch (13:10 - 13:40)

13:40 - 14:20 CO₂ gasification of lignite and olive kernel fuels: Effect of fuel thermal treatment, operation temperature and carbonates addition
Athanasios Lampropoulos, University of Western Macedonia, Greece

14:20 - 15:00 Organosulfonic aryl-functionalized silica nanoparticles as excellent catalysts for esterification reactions
Mohamed. M. A. Soliman, Instituto Superior Tecnico, Portugal

15:00 - 15:40 Designing next-generation Catalysts for Clean & Sustainable Technologies
Gianvito Vile, Milan Polytechnic, Italy

15:40 - 16:20 State-of-the-art catalysts for direct dehydrogenation of propane to propylene
Muhammad Hashir, King Abdul Aziz university, Saudi Arabia

16:20 - 17:00 Heterogeneous catalysts as a key tool for bioenergy processes: A review
Jaime Filipe B. Puna, ISEL – Higher Institute of Engineering of Lisbon, Portugal

Poster Presentations (17:00 - 17:30)

17:00 - 17:15 Vanadium C-scorpionate immobilized on mesoporous silica as catalyst for alcohol oxidation
Luís Correia, ISEL – Higher Institute of Engineering of Lisbon, Portugal

17:15 - 17:30 Sustainable Synthesis of Metal-Organic Frameworks (MOF's) and their application as dynamic catalysts
Joana Brás, ISEL – Higher Institute of Engineering of Lisbon, Portugal

End of Day 1 Sessions