

# 4<sup>th</sup> Edition of Catalysis, Chemical Engineering and Technology Virtual

November 17, 2023



**V-CHEM2023**

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Webinar  
Timings

Speakers  
Timings

07:00 – 07:10

Introduction

07:10 – 07:50

07:10 – 07:50

P

Title: New codification approach in order to predict and access the phase behavior profile of a generical chemical system

**Goncalo Carrera, NOVA School of Science and Technology, Portugal.**

07:50 – 08:30

07:50 – 08:30

P

Title: Towards more environmentally friendly chemical synthesis using alternative solvents

**Małgorzata E Zakrzewska, NOVA School of Science and Technology, Portugal.**

08:30 – 09:05

16:30 – 17:05

K

Title: Comparative study of in-situ catalytic pyrolysis of rice husk for syngas production: Kinetics modelling and product gas analysis

**Bridgid L F Chin, Curtin University Malaysia, Malaysia.**

09:05 – 09:40

17:05 – 17:40

K

Title: Research progress in catalytic conversion of low-carbon alcohols and hydrocarbons to aromatics and gasoline

**Keming Ji, Chinese Academy of Sciences, China.**

09:40 – 10:15

17:40 – 18:15

K

Title: Mesoporous Cathode Films for Electrochromic Smart Windows

**Chi-Ping Li, National United University, Taiwan.**

10:15 – 10:50

11:15 – 11:50

K

Title: Photodegradation of a model pollutant in a slurry photocatalytic membrane reactor with vertical filter and external membrane

**Cristina Lavorato, University of Calabria, Italy.**

10:50 – 11:25

17:50 – 18:25

K

Title: Nanoporous composites for environment, catalysis, and medicine

**Raffaele Ricco, Asian Institute of Technology, Thailand.**

11:25 – 12:00	19:25 – 20:00	K	<p>Title: Revolutionizing Penicillin Antibiotic Detection in Milk: Analysing the Performance and Eco-Friendly Attributes of Amino-Functionalized Magnetic Silica Nanocomposites in Magnetic Micro-Solid Phase Extraction</p> <p><b>Noorfatimah Yahaya, Universiti Sains Malaysia, Malaysia.</b></p>
12:00 – 12:35	13:00 – 13:35	K	<p>Title: Polyterpene oxidation assisted by molybdenum catalysts derived from acyl-hydrazone ligands</p> <p><b>Jana Pisk, University of Zagreb, Croatia.</b></p>
12:35 – 13:10	07:35 – 08:10	K	<p>Title: Origin of the Apparent Particle-Size Limit in Gamma-alumina</p> <p><b>Karl Sohlberg, Drexel University, United States.</b></p>
13:10 – 13:45	21:10 – 21:45	K	<p>Title: Recent progress in TiO<sub>2</sub>-Based photocatalysts for conversion of CO<sub>2</sub> to hydrocarbon fuels: A systematic review</p> <p><b>Azrina Abd Aziz, Universiti Malaysia Pahang Al-Sultan Abdullah, Malaysia.</b></p>
13:45 – 14:20	21:45 – 22:20	K	<p>Title: Rational Design of Electrocatalysts for Nitrogen Conversion</p> <p><b>Shaodong Zhou, Zhejiang University, China.</b></p>
14:20 – 14:55	09:20 – 09:55	K	<p>Title: Design of polyolefin with programmable lifespan to eliminate End-of-Life Plastics</p> <p><b>Huan Gu, University of New Haven, USA.</b></p>
14:55 – 15:15	17:55 – 18:15	I	<p>Title: Functionalized magnetic biocomposite for efficient adsorption of anionic azo dye: Spectroscopic and kinetic studies</p> <p><b>Hasan Saygili, Batman University, Turkey.</b></p>
15:15 – 15:35	18:15 – 18:35	I	<p>Title: Biofuels from Algae and Microorganism</p> <p><b>Gawel Solowski, Bingol University, Turkey.</b></p>
15:35 – 15:45	E-Poster Presentation		<p>Title: The Co-N bond cleavage in the adenosyncobalamin cofactor in advance to Glutamate Mutase and Methylmalonyl-CoA Mutase processes</p> <p><b>Teodor Dumitrescu, Columbia University, USA.</b></p>

# Closing Ceremony