

16th Edition of Global Conference on

CATALYSIS, CHEMICAL ENGINEERING AND TECHNOLOGY

CONFERENCE
PROGRAM

14-16
SEPT, 2023

VALENCIA
SPAIN

HYBRID EVENT

Venue:

Olympia Hotel, Events & Spa, Carrer Mestre Serrano,
5, 46120 Alboraiia, Valencia, Spain

DAY 01

Thursday, September 14
(In-person)

08:00-08:50

Registrations

08:50-09:00

Opening Ceremony and
Introduction

09:00-10:20

In-person Keynote Presentations

10:20-16:30

In-person Oral Presentations

16:30-17:00

In-person Poster Presentations

DAY 02

Friday, September 15
(Virtual)

08:50-09:00

AV check

09:00-11:40

Virtual Keynote Presentations

11:40-14:40

Virtual Oral Presentations

14:40-15:00

Virtual Poster Presentations

DAY 03

Saturday, September 16
(Virtual)

08:50-09:00

AV check

09:00-09:40

Virtual Keynote Presentations

09:40-12:40

Virtual Oral Presentations

12:40-14:20

Virtual Keynote Presentations

IN-PERSON

VIRTUAL

Day 01 Break Timings

10:40-11:10

Coffee Break

12:50-13:50

Lunch Break

16:30-17:00

Coffee Break

Important Note

- The conference program will follow Central European Summer Time (CEST).
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DAY 1

IN-PERSON

SEPTEMBER 14, 2023

Thursday

KEYNOTE PRESENTATIONS

Central European Summer Time (CEST)

08:00-08:50 | Registrations

08:50-09:00 | Opening Ceremony and Introduction

Moderator:

Wael Hamd, University of Balamand, Lebanon

09:00-09:40

In-Person

Yiannis Deligiannakis
University of Ioannina, Greece

Title: Industrial scale production of high performance nanophotocatalysts: Flame Spray Pyrolysis (FSP) as a scalable technology for transition from lab to industrial engineering and the TRL hurdles

09:40-10:20

In-Person

Dror Malka
Holon Institute of Technology (HIT), Israel

Title: TE/TM polarization MMI combiner based on silicon slot-waveguide technology

ORAL PRESENTATIONS

10:20-10:40

In-Person

Enrico Paris
CREA - IT, Italy

Title: Sorption Enhanced Water Gas Shift (SEWGS) process during biomass gasification

Group Photo

10:40-11:10 | Coffee Break

Chair:

Yiannis Deligiannakis, University of Ioannina, Greece

11:10-11:30

In-Person

Louloudi Maria
University of Ioannina, Greece

Title: Hybrid molecular catalysts for industrial-scale H₂ production from C₁-substrates at near ambient conditions: Opportunities and challenges

11:30-11:50

In-Person

Faizan Ahmad
Teesside University,
United Kingdom

Title: Hydrogen technologies for sustainable future

Central European Summer Time (CEST)

11:50-12:10

In-Person

Hoda Shafaghat
RISE Research Institutes of
Sweden AB, Sweden

Title: Catalytic pyrolysis of waste electrical and electronic equipment plastics for chemical recycling

12:10-12:30

In-Person

Krisztian Lorincz
XiMo Hungary Ltd, Hungary

Title: Industrial scale olefin metathesis with schrock catalysts

12:30-12:50

In-Person

Christian Vianey Paz Lopez
Chulalongkorn University,
Thailand

Title: Undoped and Co-doped anatase-brookite catalysts-An experimental/theoretical study of the less - studied TiO₂ mixed phase

12:50-13:50 | Lunch Break

Moderator:

Christian Vianey Paz Lopez, Chulalongkorn University, Thailand

13:50-14:10

In-Person

Ilhem Omri
Laboratory of Microbial Ecology
and Technology National
Institut of Applied Sciences and
Technology, Tunisia

Title: Analysis of phosphoric ore bacterial and eucaryal microbial diversity by molecular tools and Small-SubUnit (SSU) sequencing

14:10-14:30

In-Person

Wael Hamd
University of Balamand, Lebanon

Title: Design of novel ZnO nanostructures for enhancing the photocatalytic degradation of organic pollutants

14:30-14:50

In-Person

Teresa Matoso M Victor
Higher Polytechnic Institute
of Technologies and Sciences,
Angola

Title: Production of zeolites by conversion of kaolin for application in the process of catalytic cracking in fluidized bed

14:50-15:10

In-Person

Hossam Ahmed Tieama
Abu Qir Fertilizers and Chemical
Industries Co.Alexandria, Egypt

Title: Synthesis and characterization of modified cellulose acetate ultrafiltration membranes prepared from CA/PVP/Additives/solvent used for water ultrafiltration applications

15:10-15:30

In-Person

Guodong Qi
National Centre for Magnetic
Resonance in Wuhan, China

Title: Open Sn sites on Sn-Beta zeolite and their role in MPVO reaction: A solid - state NMR study



15:30-15:50 In-Person

Freweyni Kassa Gebremariam
Mekelle University, Ethiopia

Title: Compaction characteristics predictive model from index properties of fine-grained soils case in Mekelle city, Northern part of Ethiopia

15:50-16:10 In-Person

Abdul-Rhman H Muhammad
Cairo University, Egypt

Title: Bioluminescence: Studying the behavior of the light-off bioreporter DF4/PUTK2 as a light - on assay against lead

16:10-16:30 In-Person

Xueli Su
Jingchu University of
Technology, China

Title: Study on treatment and recovery of ammonia nitrogen wastewater

16:30-17:00 | Coffee Break

POSTER PRESENTATIONS

PP01 In-Person

Danuta Drozdowska
Medical University of Białystok,
Poland

Title: Application of a new generation of triazine-based coupling reagent in medicinal chemistry

PP02 In-Person

Carola Bahamondes Donoso
Universidad Tecnológica
Metropolitana, Chile

Title: Development of a solid biocatalyst through the immobilization of laccase enzyme on a chemically modified polylactic acid support

PP03 In-Person

Sung Chyr Lin
National Chung Hsing University,
Taiwan

Title: Cellulose-based metal chelate-epoxy bifunctional adsorbent for concomitant purification and covalent immobilization of his-tagged trehalose synthase

End of Day 1



DAY 2

VIRTUAL

SEPTEMBER 15, 2023

Friday

KEYNOTE PRESENTATIONS

Central European Summer Time (CEST)

08:50-09:00 CEST | AV check

Moderator:
Eleonora Aneggi, University of Udine, Italy

09:00-09:40 09:00-09:40

Stanislaw Dzwigaj
Sorbonne University, France

Title: Application of metal single-site zeolite catalysts in catalysis

09:40-10:20 08:40-09:20

Kevin Kendall
HydrogenUnited.org,
United Kingdom

Title: Green hydrogen by 2030 in UK

10:20-11:00 10:20-11:00

Pieter Samyn
SIRRIS - Department Innovations
in Circular Economy, Belgium

Title: Interface design for circular bio-composites: Sensing the failure

11:00-11:40 12:00-12:40

Osman Adiguzel
Firat University, Turkey

Title: Shape reversibility and temperature deformation relations in shape memory alloys

ORAL PRESENTATIONS

11:40-12:00 11:40-12:00

Erik Christensen
Technical University of Denmark,
Denmark

Title: CH_4 and CH_3OH by co-electrolysis of CO_2 and H_2O at intermediate temperatures using bifunctional catalysts

12:00-12:20 12:00-12:20

Stefan Müller
Evonik Oxeno GmbH & Co. KG,
Germany

Title: Synthesis, reactivity and stability investigation of new ligands for the alkoxy-carbonylation

Central European Summer Time (CEST)

12:20-12:40 11:20-11:40

Paul Somerville
Self Lab, United Kingdom

Title: Evolving our knowledge of chemical and natural reactions involved with climate change, to help us find new ways to lessen its impact

12:40-13:00 13:40-14:00

Elena Milyute
International Research Group,
Lithuania

Title: Characterization of lonsdaleite as an indicator of crystal growth according to the laws of vortex dynamics of a spherical vortex

13:00-13:20 16:30-16:50

Ashanendu Mandal
University of Calcutta, India

Title: Removal of phenol from wastewater using biological and industrial wastes as adsorbents

13:20-13:40 07:20-07:40

Jhonattan David Manosalvas Mora
Louisiana State University,
United States

Title: Effect of solid acids in methane aromatization

13:40-14:00 07:40-08:00

Haibo Ge
Texas Tech University,
United States

Title: Distal functionalization via transition metal catalysis

14:00-14:20 08:00-08:20

Milan Stojanovic
Columbia University Irving
Medical Center, United States

Title: Signal amplification in molecular cascades on cell surfaces

14:20-14:40 06:20-06:40

George Luis
Instituto Politécnico Nacional,
Mexico

Title: Elimination of sulfamethoxazole using ozone in the presence of catalytic films on iron and nickel base

POSTER PRESENTATIONS

14:40-14:50 16:40-16:50

Vitali Bakhtadze
Ivane Javakhishvili Tbilisi State
University, Georgia

Title: Synthesis of cordierite - MnOx - Block carriers co oxidation catalysts

14:50-15:00 09:50-10:00

Gabriel Abarca Anjari
Universidad Bernardo O'higgins,
Chile

Title: Ionic liquid phases on copper nanoparticles: DFT insights and modulation of the electronic environment for catalysis

DAY 3

VIRTUAL

SEPTEMBER 16, 2023
Saturday

KEYNOTE PRESENTATIONS

Central European
Summer Time
(CEST)

Local Timings

08:50-09:00 CEST | AV check

09:00-09:40 09:00-09:40

Alec Groysman

Technion (Israeli Institute of
Technology), Israel

Title: Corrosion risk management and process safety in chemical engineering processes

ORAL PRESENTATIONS

09:40-10:00 19:40-20:00

Ghadamgahi Sedigheh

Islamic Azad University,
New Zealand

Title: A green chemistry fabrication nanomaterials for waste water removal

10:00-10:20 10:00-10:20

Eleonora Aneggi

University of Udine, Italy

Title: Sustainable solvent-free selective oxidation of benzyl alcohol using Ru-based catalysts

10:20-10:40 11:20-11:40

Sergey Suchkov

Institute for Global Health of
MGUPP, Russia

Title: Personalized and Precision Medicine (PPM) as a unique healthcare model to be set up via biodesign, bio- and chemical engineering, translational applications, and upgraded business modeling to secure the human healthcare and biosafety

10:40-11:00 11:40-12:00

Delia Teresa Sponza

Dokuz Eylül University, Turkey

Title: Removal of some sulfonamides using reused MXene doped to bismuth ferrite (MXene/ BiFeO₃) nanocomposite from pharmaceutical industry wastewaters

11:00-11:20 14:30-14:50

Ram Sambhar Shukla

Central Salt and Marine
Chemicals Research Institute
(CSMCRI), India

Title: Rhodium - hydrotalcite catalyzed effective heterogeneous transformation of carbon oxides to organic chemicals

Central European
Summer Time
(CEST)

Local Timings

11:20-11:40

12:20-12:40

Igor V. Shevchenko

M.P. Semenenko Institute of
Geochemistry Mineralogy and
Ore Formation, Ukraine

Title: Water can copy the size of its clusters and other molecules. "Water memory" and solar activity

11:40-12:00

15:10-15:30

Suresh C. Ameta

PAHER University, India

Title: Photocatalysis: An emerging green technology

12:00-12:20

13:00-13:20

Delia Teresa Sponza

Dokuz Eylül University, Turkey

Title: Photocatalytic treatment of industrial pulp and paper mill wastewater using Fe₂O₃/TiO₂ nanocomposite

12:20-12:40

07:20-07:40

Jessica R P Oliveira

Universidade Tecnológica
Federal do Paraná, Brasil

Title: Green magnetic nanocatalyst to applied in emerging pollutants removal

KEYNOTE PRESENTATIONS

12:40-13:20

07:40-08:20

Marta Litter

University of General San Martín
and CONICET, Argentina

Title: TiO₂ photocatalytic removal of hexavalent chromium and arsenic

13:20-14:00

07:20-08:00

Thomas J Colacot

Global Technology Innovation,
United States

Title: Tunable unsymmetrical ferrocene based ligands (MPhos) for API synthesis via Csp₂-Csp₃ cross couplings

14:00-14:20

08:00-08:40

Thomas J Webster

Interstellar Therapeutics,
United States

Title: Nano implants: A catalyst for human clinical success


End of Day 03

END NOTE

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Notes

Notes



*We wish to meet you again at our
upcoming edition...*

17th Edition of International Conference on
**Catalysis, Chemical Engineering
and Technology**

(Catalysis 2023)

October 26-28, 2023 | Boston, Massachusetts, USA | Hybrid Event

Questions? Contact

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