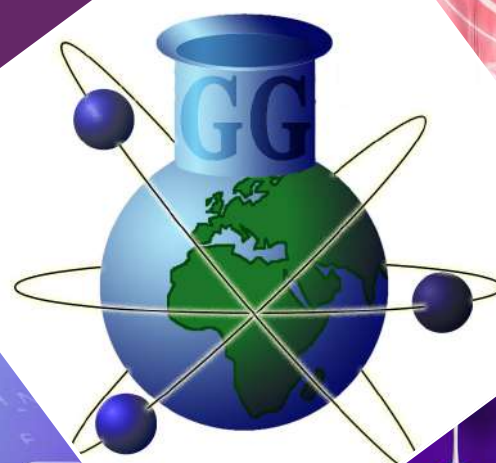


2<sup>nd</sup> International Conference on

# Catalysis and Chemical Engineering

November 09-10, 2023

Paris, France



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# Conference Programme

# Conference Programme

November 09-10, 2023, Millennium Hotel Paris Charles De Gaulle, Paris, France

Day 1, November 09, 2023

Meeting Hall: Bleriot

8.00 - 8.45

Registrations

8.45 - 9.00

Introduction

## Keynote Presentations

9.00 - 9.40

Stanislaw Dzwigaj, Sorbonne Université, France

Title: CO<sub>2</sub>-Assisted Dehydrogenation of Propane to Propene over Zn-BEA Zeolites: Impact of Acid-Base Characteristics on Catalytic Performance

9.40 - 10.20

Irena Kostova, Medical University-Sofia, Bulgaria

Title: Synthesis, Theoretical and Spectral Characterization of Biologically Active Lanthanide(III) Complexes

Group Photo: 10.20 - 10.40

Networking and Refreshments : 10.40 - 11.00 @ Foyer

11.00 - 11.40

Rohit Srivastava, Pandit Deendayal Energy University, India

Title: Exploring Enhanced Two-Dimensional Advance Electrocatalyst for the Production of Green Hydrogen: Approaches to Achieving Corrosion Resistance in Seawater Electrolysis

## Oral Presentations

Session Chair:

Stanislaw Dzwigaj, Sorbonne Université, France

Session Chair:

Višnja Vrdoljak, University of Zagreb, Croatia

**Sessions:** Catalysis for Chemical Synthesis | Chemical Engineering | Catalysis for Energy | Materials Chemistry and Catalysis | Catalysis and Zeolites | Catalysis and Pyrolysis | Physical Chemistry | Organic Chemistry | Photocatalysis and Electrochemistry | Catalysis for Renewable Sources | Green & Sustainable Chemistry | Advanced Synthesis and Catalytic Systems | Polymer Science and Technology | Enzymes and Biocatalysts | Catalysis in Oil & Gas and Petrochemical Engineering | Fluid Dynamics & its Phenomena | Environmental Catalysis | Simulation and modelling in Catalysis

11.40 - 12.05

Felix Panis, University of Vienna, Austria

Title: Tyrosinases: Ticking Time Bombs in Wetland Ecosystems!

12.05 - 12.30

**Višnja Vrdoljak**, University of Zagreb, Croatia

Title: Hybrid Organic-Inorganic Compounds based on the Polyoxomolybdate and Dioxomolybdenum(VI) Complexes: Synthesis, Structure, and Properties

12.30 - 12.55

**Vahide Nuran MUTLU**, SOCAR Turkey Research & Development and Innovation, Turkey

Title: Electrocatalytic Hydrogenation of Acetone to Isopropanol over Mesoporous Carbon Supported Bimetallic Catalysts for LOHC Applications

**Lunch @ Restaurant: 12.55 - 14.00**

14.00 - 14.25

**Nedyalka Valcheva**, Trakia University, Bulgaria

Title: Physical, Chemical, and Microbiological Characteristics of Mineral, Mountain, and Spring waters from Bulgaria, and Biological Properties of Identified Microorganisms

14.25 - 14.50

**Sneha Sandeep Lavate**, Pandit Deendayal Energy University, India

Title: One Pot Synthesis of 2D/0D VCu Layered Double Hydroxide/TiO<sub>2</sub> Nanoparticles for Electrochemical CO<sub>2</sub> Reduction to Hydrocarbons

14.50 - 15.15

**Ruaraidh Wells**, NiTech Solutions Ltd, United Kingdom

Title: Continuous Production of a Functional Consumer Care Product through Process Innovation

15.15 - 15.40

**Jacek Siódmiak**, Bydgoszcz University of Science and Technology, Poland

Title: An Investigation of Seed Mucilage Network Properties and its Formation Process using Computer Modelling

15.40 - 16.05

**Radha N Somaiya**, IIT-BOMBAY, India

Title: Promising Quasi-2D PdSi<sub>2-x</sub>Ge<sub>x</sub>N<sub>4</sub> (x = 0, 1, 2) candidate for Spontaneous Overall Water Splitting

**Networking and Refreshments: 16.05- 16.30 @ Foyer**

16.30 - 16.55

**Aysel Zahidova**, SOCAR Turkey Research & Development and Innovation, Turkey

Title: Turning CO<sub>2</sub> from a Liability into an asset with the help of Catalysis

16.55 - 17.20

**Iman Ahmed Youssef Ghannam**, National Research Centre-Dokki, Egypt

Title: Discovery of PPAR Agonists as Therapeutics in Metabolic Disorders

17.20 - 17.45

**Wafaa Lounis**, University Oran 1 ABB, Algeria

Title: Flaxseed Oil effect in Improving Neurological Impairments in Rat Pups intoxicated by Aluminum

## Day 1 Concludes followed by Awards Ceremony

**Day 2, November 10, 2023**

**Meeting Hall: Bleriot**

## Keynote Presentations

9.00 - 9.40

**Omar Chaalal**, Abu Dhabi, UAE

Title: Global Green Integrated Process

9.40 - 10.20

**Mirta Rubcic**, University of Zagreb, Croatia

Title: Dihydrazones and Carbohydrazides: A Fruitful Platform for the Development of Multifunctional Materials

## Oral Presentations

Session Chair:

**Irena Kostova**, Medical University-Sofia, Bulgaria

Session Chair:

**Omar Chaalal**, Abu Dhabi, UAE

**Sessions:** Chromatography & Mass Spectrometry | Nuclear and Radio Chemistry | Drug Chemistry | Biochemistry | Pharmaceutical Chemistry | Organic chemistry | Geochemistry | Food chemistry | Inorganic Chemistry | Food science | Agricultural Sciences | Renewable Energy | Medicinal Chemistry | Physical Chemistry | Analytical Chemistry | Nanomaterials | Chemical Engineering | Polymer Chemistry | Natural Products and Peptide Chemistry | Applied Chemistry

10.20-10.45

**Lozan Todorov**, Medical University – Sofia, Bulgaria

Title: Antioxidant Properties of a Novel Triazole Ligand and its Lanthanide(III) Complexes

## Networking and Refreshments: 10.45-11.15 @ Foyer

11.15-11.40

**Zahra Akbari**, University of Messina, Italy

Title: Determination of Lead ions ( $Pb^{2+}$ ) on Schiff base Ligand L-based SPCE electrode in Seawater

11.40-12.05

**Grigorii Buklei, HSE University, Russia**

Title: Efficient Data Acquisition Optimization for Chemical Kintetics: Leveraging Orthogonal Decision Trees and Machine Learning

12.05-12.30

**Mamadou Simina DRAME, Université Cheikh Anta Diop de Dakar, Sénégal**

Title: Assessment of Natural and Anthropogenic Contributions Particulate Matter Air Pollution in Dakar, Senegal

12.30-12.55

**Aleksandra Jankowska, Jagiellonian University, Poland**

Title: Copper-Modified Heteroatomic Ce-MWW Zeolites as Potential NO Conversion Catalysts

**Lunch @ Restaurant: 12.55 - 14.00**

### **Poster Presentations**

Poster -01

**Noura Benlemlih, University of Ibn Tofail , Morocco**

Title: The Potential for Utilizing Sludge from the Kenitra Wastewater Treatment Plant in Agricultural Practices

Poster -02

**Aleksandra Gomulka, Jagiellonian University, Poland**

Title: Effective Catalysts for Low-Temperature  $\text{NH}_3$ -SCR Process based on Copper-Modified MCM-41 Mesoporous Silica - Comparison of TIE and ADP Methods

Poster -03

**Wafaa Lounis, University Oran 1 ABB, Algeria**

Title: Flaxseed Oil effect in Improving Neurological Impairments in Rat Pups intoxicated by Aluminum

Poster -04

**Safae EL AAMMOURI, University of Ibn Tofail , Morocco**

Title: Wastewater Treatment by Infiltration Percolation Process using Fine Sand and Activated Carbon

Poster -05

**Wiktorja Dubiel, Jagiellonian University, Poland**

Title: The Effect of Iron addition in Silica-Titania Mesoporous Catalysts on the Efficiency of the Diphenyl Sulfide Oxidation Process

Poster -06

**Zehor Chouari**, University Oran ABB, Algeria

Title: Prophylactic Role of Cafeic Acid against Aluminum-Induced Kidney Damage in Wistar Rats

Poster -07

**Vivian García Rojas**, Universidad de La Serena, Chile

Title: Evaluation of Blueberry Pomac for the Production of Antioxidant Compounds through Enriched Natural Fermentation

**Networking and Refreshments : 16.00 - 16.30 @ Foyer**

**Video presentations**

VP001

**Diego Tomassone**, Holos Medical Clinical and Research, Italy

Title: The Vitamin D, IL-6 and the eGFR Markers a Possible Way to Elucidate the Lung-Heart-Kidney Cross-Talk in COVID-19 Disease: A Foregone Conclusion

VP002

**Vivian García Rojas**, Universidad de La Serena, Chile

Title: Fermentation with Native Microorganisms in Raw, Bleached and Sterilized Broccoli Puree as a Strategy to increase the Sulforaphane Content

**Day 2 Concludes followed by Panel Discussion - Awards & Closing Ceremony**