21st Edition of Global Conference on

Catalysis, Chemical Engineering & Technology

Theme: Exploring New Horizons in Catalysis and Chemical Engineering

ACCREDITED PROVIDER #780056

11-13TH SEPTEMBER 2025

Our OCMs

STANISLAW DZWIGAJ
Sorbonne University, France

THOMAS J WEBSTER
Interstellar Therapeutics, United States

DAI YEUN JEONG
Asia Climate Change Education Center, Korea, Republic of

VLADISLAV SADYKOV
Boreskov Institute of Catalysis, Russian Federation

SERGEY SUCHKOV
R&D Director of the National Center for Human Photosynthesis, Mexico

ENRICO PARIS
CREA-IT & DIAEE, Italy

Scientific TOPICS

- Macrocyclic and Supramolecular chemistry
- Catalysis and Porous Materials
- Integrated Catalysis
- Catalysis for Energy
- Plasma Catalysis
- Photochemistry, Photobiology and Electrochemistry
- Enzymes, Coenzymes and Metabolic Pathways
- Catalysis for Renewable Sources
- Nuclear Chemistry/Radiochemistry
- Chemical Kinetics and Catalytic Activity
- Separation Processes in Chemical Technology
- Catalysis and Applications
- Petrochemical Engineering
- Homogeneous Catalysis, Molecular Catalysis
- Green and Sustainable Chemistry
- Catalysis for Biorefineries

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

Keynote Presentation

Stanislaw Dzwigaj, Sorbonne University, France

Title: Application of vanadium and tantalum single-site zeolite catalysts in catalysis

Thomas J Webster, Interstellar Therapeutics, United States

Title: 30,000 nano implants in humans with no infections, no loosening, and no failures

Dai Yeun Jeong, Asia Climate Change Education Center, Korea

Title: Human impact on natural environment and its implications

Vladislav Sadykov, Boreskov Institute of Catalysis, Russian Federation

Title: Design of nanocomposite materials for active components of structured catalysts for biofuels transformation into syngas, catalytic layers of membrane reactors with oxygen/ hydrogen separation and anodes of solid oxide fuels cells operating in the internal reforming mode

Sergey Suchkov, R&D Director of the National Center for Human Photosynthesis, Mexico

Title: Personalized and precision medicine (PPM) as a unique healthcare model through biodesign-inspired & biotech-driven translational applications and upgraded business marketing to secure the human healthcare and biosafety

Isabel Oller Alberola, Plataforma Solar de Almería, Spain

Title: Solar heterogeneous photocatalysis and photochemistry for urban wastewater regeneration and reuse

Jean Paul Lange, University of Twente, Netherlands

Title: Valorizing lignocellulose to ethylene glycol: Catalysis, catalyst deactivation and conceptual process design

Enrico Paris, CREA-IT & DIAEE, Italy

Title: Effect of bed material on syngas quality: Comparison of biomass gasification with different bed materials

Ho Soon Min, INTI International University, Malaysia

Title: Will be updated soon

Oral Presentation

Haibo Ge, Texas Tech University, United States

Title: Distal functionalization via transition metal catalysis

Beatrice Vincenti, Sapienza University of Rome, Italy

Title: Cleaner syngas from biomass gasification: Is K-Feldspar the key?

Martin Vlcek, Independent Researcher, Czech Republic

Title: The Living Water

Jin Hee Lee, Korea Research Institute of Chemical Technology, Korea

Title: Sustainable advancements in polyurethane monomer synthesis: Green pathways from CO2 to isocyanates

Sergey Suchkov, R&D Director of the National Center for Human Photosynthesis, Mexico

Title: Antibody-proteases as translational biomarkers, targets and potential tools of the next step generation as applicable for design-driven personalized and precision medical practice

Majed Alamoudi, King Abdulaziz University, Saudi Arabia

Title: Role of alkali earth metals in tailoring Ni/CeO2 system for efficient ammonia decomposition

Oral Presentation

Sajjad Ali, Prince Sultan University, Saudi Arabia

Title: The role of hydrogen in sustainable energy solutions

Delia Teresa Sponza, Dokuz Eylul University, Turkey

Title: Production of nanocomposites from wastes to remove the pollutants

Duygu Karadeniz, Istanbul Technical University, Turkey

Title: Efficient photocatalytic degradation of methylene blue using molybdenum disulfide-doped polyacrylamide-polyvinylpyrrolidone hydrogel

Yaxin Su, Donghua University, China

Title: Selective catalytic reduction of NO by C3H6 over Cu(x)Co(y)Ce(z)O oxides derived from LDHs

Pengju Wu, Jiangsu University, China

Title: Current research progress in alkali metals poisoning of Selective Catalytic Reduction (SCR) denitration catalysts

Ying Li, Jiangsu University, China

Title: Research progress and future development trend of plasma technology in the field of mercury removal from flue gas

Angyang Yu, Central China Normal University, China

Title: Computational prediction of an important protein's structure

Jorge A Delgado, Syensqo, China

Title: Bimetallic catalysts for the hydrogenation of amides: From experimental to data-driven insights

Diya KV, Lovely Professional University, India

Title: Heterogeneous catalysis: Reaction mechanism and kinetic models

Anmol Pandey, Indian Institute of Technology Kharagpur, India

Title: Utilization of Li-ion mobile battery waste for adsorptive removal of hazardous Methylene Blue (MB) dye from waste water

Ashanendu Mandal, University of Calcutta, India

Title: Application of solid waste materials for adsorptive removal of toxic phenol from wastewater to protect environment and also to generate circular economy

Ladapborlang Mawrie, University of Science & Technology Meghalaya, India

Title: Who gives the hydrogen? A mechanistic study through isotope labeling in photocatalytic hydrogen evolution reactions using cobalt complexes as a catalyst under neutral pH.

S R Varadhan, Independent Researcher, India

Title : FTIR and Raman spectral analysis on kerosene and crude oil-auldetration in gaselione, adverse effectcts on nature during production and trasportation

Ahmed Mourtada Elseman, CMRDI, Egypt

Title: Multiwalled carbon nanotubes as hole collectors in inverted perovskite solar cellsoxygens

Moaz M. Abdou, Egyptian Petroleum Research Institute, Egypt

Title: Catalytic esterification for the efficient synthesis of phosphinic dipeptides and their acetylated glucose derivatives

Oral Presentation

Omar Boualam, Higher school of technology of Fez. Sidi Mohammed ben Abdellah University, Morocco

Title: Catalytic oxidation of phenol using iron-supported illite: Optimization of parameters for efficient wastewater treatment

Lhoussain Kadira, CRMEF FES, Morocco

Title: Preparation and physicochemical characterization of lanthanum-calcium co-doped barium titanate

Fatemehsadat Mirmohammadmakki, Shahid Beheshti University of Medical Sciences, Iran

Title: Biosorption: A sustainable and practical effective technique for heavy metal reduction

Paula Maseko, Rhodes University, South Africa

Title: Synthesis and characterization of isonicotinic acid and nicotinic acid metal organic frameworks for use in the treatment of hepatocellular carcinoma

Mohammas Israr, Maryam Abacha American University of Nigeria, Nigeria

Title : Frame wok for industrial benchmarking in logistics centric activities through CRITIC analysis and KANO questionnaire

Oral presentation slots are available!!

Poster Presentation

William Mendes Godoy, University of Sao Paulo, Brazil

Title: Synthesis and evaluation of styrene-based polymeric resin for glycerol acetalization: Effect of crosslinkers on swelling and catalytic performance

Mikhail Petrovich Kashchenko, Ural Federal University, Russian Federation

Title: Fixation of atoms with increased masses, as a consequence of the existence of massive electron pairs - the basis of catalysis of low-temperature nuclear synthesis

Young Woo You, Korea Research Institute of Chemical Technology, Korea

Title: Microwave-enhanced CO2 reforming with C2+ gas mixture

Mengstu Etay Ashebir, Institute of Atomic and Molecular Sciences Academia Sinica, Taiwan

Title: Electronic structure engineering of nickel single-atom catalyst by phosphorous for efficient electrocatalytic CO2 reduction reaction in a proton-rich microenvironment

Sourav Halder, Indian Institute of Technology Kharagpur, India

Title: Optimization of Fe3O4 nanoparticles loading on reduced graphene oxide nanosheets for the efficient removal of aqueous p-nitroaniline and Cr(VI)

Mohammed El Amine Nouairi, Mustapha Stambouli University of Mascara, Algeria

Title: Study and development of a colored filter for the attenuation of harmful ultraviolet optical intensity

Makhloufi Mohamed Cherif, University of Boumerdes, Algeria

Title: Micro-wave synthesis of MnO2 for high-performance supercapacitor application

A A Abduvayitov, Tashkent State Technical University, Uzbekistan

Title: Morphology, composition and electronic structure of the CdS thin films surface

Poster presentation slots are available!!