

21<sup>st</sup> Edition of  
International Conference on  
**Catalysis, Chemical  
Engineering and  
Technology**

6<sup>th</sup> Edition of  
**Chemistry World  
Conference &**

**June 18-20, 2026  
Barcelona, Spain**

**IN-PERSON:**

**Hotel Alimara**

Carrer de Berruguete, 126,  
Horta-Guinardó, 08035 Barcelona, Spain

**VIRTUAL:**

Central European Summer Time (CEST)



THURSDAY  
JUNE 18  
2026

### DAY 01 | In-Person @Sitges Room

|             |                                   |
|-------------|-----------------------------------|
| 08:00-08:50 | Registrations                     |
| 08:50-09:00 | Opening Ceremony and Introduction |
| 09:00-11:00 | Keynote Presentations             |
| 11:00-11:20 | Coffee Break                      |
| 11:20-13:00 | Oral Presentations                |
| 13:00-13:40 | Lunch Break                       |
| 13:40-15:40 | Oral Presentations                |
| 15:40-16:00 | Coffee Break                      |
| 16:00-18:00 | Oral Presentations                |

FRIDAY  
JUNE 19  
2026

### DAY 02 | In-Person @Sitges Room

|             |                                     |
|-------------|-------------------------------------|
| 08:30-09:00 | AV Check and Introduction           |
| 09:00-11:00 | Keynote Presentations               |
| 11:00-11:20 | Coffee Break                        |
| 11:20-13:00 | Oral Presentations                  |
| 13:00-13:40 | Lunch Break                         |
| 13:40-16:00 | Oral Presentations                  |
| 16:00-16:40 | Coffee Break & Poster Presentations |
| 16:40-18:00 | Oral Presentations                  |

SATURDAY  
JUNE 20  
2026

### DAY 03 | Virtual Room 01 @Zoom

|             |                           |
|-------------|---------------------------|
| 08:30-09:00 | AV Check and Introduction |
| 09:00-11:00 | Keynote Presentations     |
| 11:00-14:20 | Oral Presentations        |
| 14:20-14:40 | Poster Presentations      |

### DAY 03 | Virtual Room 02 @Zoom

|             |                           |
|-------------|---------------------------|
| 08:30-09:00 | AV Check and Introduction |
| 09:00-10:20 | Oral Presentations        |
| 10:20-10:50 | Poster Presentations      |
| 10:50-12:10 | Keynote Presentations     |
| 12:10-15:10 | Oral Presentations        |
| 15:10-17:50 | Keynote Presentations     |
| 17:50-19:30 | Oral Presentations        |

## Important Note

The conference follows Central European Summer Time (CEST) for both In-Person and Virtual sessions.

When the program refers to Local Timings, it means the time mentioned is in the time zone of the presenter's country.

In-Person presentations will take place at Sitges Room - Hotel Alimara, Barcelona, Spain. Virtual presentations will take place on Zoom and run continuously without scheduled breaks.

Please remain accessible in the hall or on Zoom throughout the day as there may be minor program adjustments due to technical issues or presenter no-shows.

# Keynote Speakers



**Dai Yeun Jeong**

Asia Climate Change Education Center and  
Jeju National University, South Korea



**Dharani Dhar Patra**

Bidhan Chandra Krishi Viswavidyalaya, India



**Enrico Paris**

CREA-IT, Italy



**Haibo Ge**

Texas Tech University, United States



**Hossam A Gabbar**

Ontario Tech University, Canada



**Pieter Samyn**

SIRRIS, Belgium



**Ruobo Zhou**

Pennsylvania State University, United States



**Sergey Suchkov**

N.D. Zelinskii Institute for Organic Chemistry  
of the Russian Academy of Sciences, Russia



**Shree Niwas Chaturvedi**

Centre for Aptitude Analysis and Talent  
Search, Heritage School, Buxar, India



**Stanislaw Dzwigaj**

Sorbonne University, France



**Thomas J Webster**

Brown University, United States



**Victor Cerda**

University of the Balearic Islands, Spain



**Victor John Law**

Technical University Dublin, Ireland



**Vladislav Sadykov**

Boreskov Institute of Catalysis and  
Novosibirsk State University, Russia

CENTRAL EUROPEAN SUMMER TIME (CEST)

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

**Moderators:**

**Jana Pisk**, University of Zagreb, Croatia  
**Priyanka Sahariah**, University of Iceland, Iceland

**Chair:**

**Stanislaw Dzwigaj**, Sorbonne University, France

09:00–09:40

Keynote Session

**Stanislaw Dzwigaj**, Sorbonne University, France

Title: Application of vanadium, tantalum and chromium single-site zeolites in heterogeneous catalysis

09:40–10:20

Keynote Session

**Sergey Suchkov**, N.D. Zelinskii Institute for Organic Chemistry of the Russian Academy of Sciences, Russia

Title: Personalized and Precision Medicine (PPM) as a unique healthcare model through biodesign-inspired bio- and chemical engineering applications to secure the human healthcare and biosafety: Engineering of biocatalysts - from evolution to creation

10:20–11:00

Keynote Session

**Dai Yeun Jeong**, Asia Climate Change Education Center and Jeju National University, South Korea

Title: A desirable framework for establishing a resource circulation society

11:00–11:20

Coffee Break @Foyer | Group Photo

11:20–11:40

Oral Session

**Dae Dong Sung**, Korea University Sejong Campus, South Korea

Title: Simple and effective methods for identifying in vivo gene response reaction mechanisms

11:40-12:00

Oral Session

**Sergey Suchkov, N.D. Zelinskii Institute for Organic Chemistry of the Russian Academy of Sciences, Russia**

Title: Abzymes (catalytic antibodies) as a generation of unique biomarkers, biocatalysts, potential targets and translational tools towards nanodesign-driven antibody engineering and precision medical practice: From magic bullet to precision weapon

12:00-12:20

Oral Session

**Eduardo Bernad, Aragon Hydrogen Foundation, Spain**

Title: Electrochemical CO<sub>2</sub> reduction to CO in a zero-gap anion exchange membrane cell for a novel sustainable aviation process

12:20-12:40

Oral Session

**Eva Faillace, University of Corsica, France**

Title: Optimized biocatalytic process for 13-HPOs production from hempseed oil: A step toward natural green leaf volatiles synthesis

12:40-13:00

Oral Session

**Jana Pisk, University of Zagreb, Croatia**

Title: Metal matters: How vanadium and molybdenum rewrite hydrazone-based oxidation catalysis

13:00-13:40

**Lunch Break @Restaurant**

13:40-14:00

Oral Session

**Esther Raga, Aragon Hydrogen Foundation, Spain**

Title: Recycled emissions to alcohols, optimization process for renewable and sustainable production

14:00-14:20

Oral Session

**Esther Raga, Aragon Hydrogen Foundation, Spain**

Title: Synthesis of alcohols for sustainable aviation fuels under unconventional cold plasma and thermo-catalysis technology

14:20-14:40

Oral Session

**Eduardo Bernad, Aragon Hydrogen Foundation, Spain**

Title: Modular conversion of CO<sub>2</sub> into synthetic fuels through plasma and bio-/chemo-catalysis assisted process: Presentation of +C<sub>2</sub>Fue-LS project

14:40-15:00

Oral Session

**Susanne Naf Rudiger, Hamilton Bonaduz AG, Switzerland**

Title: Enhancing process efficiency and safety with advanced sensor technology

15:00-15:20

Oral Session

**Andreea Nila, National Institute of Materials Physics, Romania**

Title: Mechanistic insights into charge carrier dynamics in TiO<sub>2</sub>-SWCNT nanocomposites for enhanced photocatalysis

15:20-15:40

Oral Session

**Jana Stanicova, Charles University, Czech Republic**

Title: Utilisation of optical spectroscopy and physical chemistry methods in studies of interaction between pesticide molecules and vital bio-macromolecules

15:40-16:00

Coffee Break @Foyer

16:00-16:20

Oral Session

**Priyanka Sahariah, University of Iceland, Iceland**

Title: Eurestop: Advancing diagnosis and treatment of antibiotic-resistant bacterial infections in Europe

16:20-16:40

Oral Session

**Mikhail Budyka, Russian Academy of Sciences, Russia**

Title: Mechanisms of forward and reverse [2+2] photocycloaddition of ethylene derivatives: Concerted addition according to the Woodward-Hoffmann rules and stepwise ring opening via predissociation

16:40-17:00

Oral Session

**Daniel Galano, The University of Manchester, United Kingdom**

Title: Computational studies of functionalized [Pn7] (Pn=P, As) clusters for the catalyzed hydroboration of pyridine; Exploration of the treatment of entropy

17:00-17:20

Oral Session

**Vasile Parvulescu, University of Bucharest, Romania**

Title: Single atom In-MXene as viable catalyst for the cinnamaldehyde transformation

17:20-17:40

Oral Session

**Madhulata Shukla, Veer Kunwar Singh University, India**

Title: Synthesis of copper oxide nanoparticles using curcumin and investigation of molecular interactions through DFT analysis

17:40-18:00

Oral Session

**Vasile Parvulescu, University of Bucharest, Romania**

Title: Single atom MXene as viable catalyst for cinnamaldehyde reduction/oxidation

End of Day 1

CENTRAL EUROPEAN SUMMER TIME (CEST)

08:30–09:00 AV Check and Introduction

**Moderators:**

**Quoc Duy Ho**, Stavanger University, Norway  
**Mirela Vaduva**, National Institute of Materials Physics, Romania

**Chairs:**

**Victor John Law**, Technical University Dublin, Ireland  
**Dai Yeun Jeong**, Asia Climate Change Education Center and Jeju National University, South Korea

09:00–09:40

Keynote Session

**Victor John Law**, Technical University Dublin, Ireland

Title: Solar box cooker dehydration, and relative humidity endpoint detection, of Lamiaceae culinary leaves on the island of Crete

09:40–10:20

Keynote Session

**Sergey Suchkov**, N.D. Zelinskii Institute for Organic Chemistry of the Russian Academy of Sciences, Russia

Title: Personalized and Precision Medicine (PPM) as a unique healthcare model through biodesign-inspired and upgraded business marketing to secure the human healthcare and biosafety

10:20–11:00

Keynote Session

**Dharani Dhar Patra**, Bidhan Chandra Krishi Viswavidyalaya, India

Title: Medicinal plants: Source of phytobiotic compounds as therapeutic agents for human diseases

11:00–11:20

Coffee Break @Foyer

11:20–11:40

Oral Session

**Liang Xue**, University of the Pacific, United States

Title: Development of highly potent fluorogenic triplex-specific ligands

11:40–12:00

Oral Session

**Quoc Duy Ho**, Stavanger University, Norway

Title: Computational study of pillararenes as selective sorbents for greenhouse gases

12:00-12:20

Oral Session

**Tomas Bruha, Institute of Thermomechanics Academic of Science Prague, Czech Republic**

Title: Investigation of low-frequency phenomena within flow pattern in standard mixing vessel induced by pitched blade impeller

12:20-12:40

Oral Session

**Victor John Law, Technical University Dublin, Ireland**

Title: Solar box recovery of mixed-wax candle fragments and their reuse on the island of Crete

12:40-13:00

Oral Session

**Malayil Gopalan Sibi, VSB-Technical University of Ostrava, Czech Republic**

Title: Empowering a sustainable future by biomass conversion on single atom catalysis

13:00-13:40

Lunch Break @Restaurant

13:40-14:00

Oral Session

**Adelina Udrescu, National Institute of Materials Physics, Romania**

Title: Tailored TiO<sub>2</sub>-based carbon nanotube composites for enhanced dye photodegradation

14:00-14:20

Oral Session

**Bayram Gunduz, Malatya Turgut Ozal University, Turkey**

Title: Bridging optical functionality and mechanical performance in advanced biomaterials: From fundamental insights to biomedical applications

14:20-14:40

Oral Session

**Mirela Vaduva, National Institute of Materials Physics, Romania**

Title: Membranes modified with photocatalytic structures based on TiO<sub>2</sub> nanoparticles and carbon nanoparticles

14:40-15:00

Oral Session

**Long Lyu, University of Chinese Academy of Sciences, China**

Title: A modular approach to N-fluoroalkyl amides via nitrene insertion into fluoroalkylcopper(I)

15:00-15:20

Oral Session

**Chang Tian, The Hong Kong Polytechnic University, Hong Kong**

Title: Mechanistic insights of PP/zeolites pyrolysis via ReaxFF MD and DFT simulations

15:20-15:40

Oral Session

**Sergey Suchkov, N.D. Zelinskii Institute for Organic Chemistry of the Russian Academy of Sciences, Russia**

Title: Enabling technologies for engineering precision biomaterials, biocatalysts and nanoparticles for drug delivery to re-shape personalized and precision healthcare services

15:40-16:00

Oral Session

**Hephzibah Konadu Agyeman, University of Ghana, Ghana**

Title: Determination of bacteriological loads in borehole water

16:00-16:40

Coffee Break @Foyer

PP01

Poster Sessions (16:00-16:40)

**Mikhail Budyka, Russian Academy of Sciences, Russia**

Title: Photoisomerization and photocyclization of styryl derivatives of 1,10-phenanthroline

PP02

**Denes Joo, Systemic Evolutions and Pyramids Independent Researcher, Hungary**

Title: The etheronics starts with chemistry and ends with light, through gravitation

## PP03

**Cristina Anca Secara, Cantacuzino National Military Medical Development Research Institute, Romania**

Title: Organic synthesis and NMR characterization of bisquaternary pyridinium salts associated with rivastigmine as a potential preventive antidotal system against neurotoxic organophosphorus compounds

## PP04

**Wang Yanming, The Hong Kong Polytechnic University, Hong Kong**

Title: Equilibrium, kinetics and thermodynamic adsorption studies of symmetrical reactive dyes in aqueous-based dyeing and non-aqueous reverse micellar dyeing of cotton fabrics

## PP05

**Radu Constantin Cercel, National Institute of Materials Physics, Romania**

Title: TiO<sub>2</sub>/single-walled carbon nanohorn nanohybrids as efficient catalysts for antibiotic photodegradation

## PP06

**Andreea Nila, National Institute of Materials Physics, Romania**

Title: Photoactive SERS platforms based on BP-RGO decorated with metal nanoparticles: Toward real-time monitoring in integrated photocatalytic systems

## PP07

**Mirela Paraschiv, National Institute of Materials Physics, Romania**

Title: Semiconducting metal oxide enriched with single-walled carbon nanohorns with photocatalytic properties for pharmaceutical compounds removal

## PP08

**Aashima Mahajan, Thapar Institute of Engineering and Technology, India**

Title: Waste-to-wealth conversion of coal fly ash into a catalyst for sustainable organic reactions

## PP09

**Tofik Nagiev, Azerbaijan National Encyclopedia, Azerbaijan**

Title: Dynamics of pH variation in biomimetic sensor-TPhPFe<sup>3+</sup>/Al<sub>2</sub>O<sub>3</sub>//Si

16:40-17:00

Oral Session

**Rawia Nasri, University of Tunis El Manar, Tunisia**Title: Enhanced photocatalytic activities of  $\text{NaLi}_{1.07}\text{Co}_{2.94}(\text{MoO}_4)_5$  nanoparticles under solar light

17:00-17:20

Oral Session

**Ayoub Boualli, Cadi Ayyad University, Morocco**Title: Design, hemisynthesis, and anticancer evaluation of totarol-oxazole derivatives derived from *Tetraclinis articulata*

17:20-17:40

Oral Session

**Fatemehsadat Mirmohammadmakki, Shahid Beheshti University of Medical Sciences, Iran**

Title: Sustainable application of agricultural residues as biosorbents for heavy metal removal from aqueous systems: A comparative study

17:40-18:00

Oral Session

**Hossam Ahmed Aly Moustafa Tieama, Abu Qir Fertilizers and Chemicals Industries Co., Egypt**

Title: Functionalization, modification and development of some polymeric membranes producing an advanced variety membranes with selective and distinct specifications can be applicable in desalination

End of Day 2

Time (CEST) | Presenter Time (Local)

08:30-09:00

AV Check | Introduction

**Moderators:****Collin G Joseph**, University Malaysia Sabah, Malaysia**Sanskriti Gawade**, D. Y. Patil College of Engineering and Technology, India

CEST

LOCAL

09:00-09:40

14:00-14:40

Keynote Session

**Vladislav Sadykov**, Boreskov Institute of Catalysis and Novosibirsk State University, Russia

Title: Design of efficient and stable structured catalysts for biofuels transformation into syngas by using advanced technologies of nanocomposite active components synthesis, supporting on heat conducting substrates and sintering

09:40-10:20

09:40-10:20

Keynote Session

**Enrico Paris**, CREA-IT, Italy

Title: Catalytic potential of biochar derived from heavy-metal-contaminated biomass

10:20-11:00

10:20-11:00

Keynote Session

**Victor Cerda**, University of the Balearic Islands, Spain

Title: Chips fabrication for kinetic methods in flow techniques

11:00-11:20

17:00-17:20

Oral Session

**Vladimir G Chigrinov**, Hong Kong University of Science and Technology, Hong Kong

Title: Photoaligned azodye nanolayers: New trends for liquid crystal devices

11:20-11:40

17:20-17:40

Oral Session

**Collin G Joseph**, University Malaysia Sabah, Malaysia

Title: Sonophotocatalysis in advanced oxidation process: A short review

11:40-12:00

16:40-17:00

Oral Session

**Parfenova Maria**, Siberian Branch of the Russian Academy of Sciences, Russia

Title: Computer modeling of the Li<sub>2</sub>La<sub>2</sub>K<sub>2</sub>Cl phase diagram: Digital twins for pd variants, cross-validation of horizontal and vertical material balances, electrical conductivity & DTA spectra simulation

CEST

LOCAL

12:00-12:20

15:30-15:50

Oral Session

**Sujit Kumar Bandyopadhyay, Variable Energy Cyclotron Centre, India**

Title: Role of d electrons in multifunctional materials

12:20-12:40

15:50-16:10

Oral Session

**Bijendra Singh, Central University of Gujarat, India**

Title: Catalytic properties of heavy-metal complex ions in enhancing photosensitizer efficiency for solar energy conversion and storage

12:40-13:00

16:10-16:30

Oral Session

**Abhishek Bansal, New Era Consultancy Services, India**

Title: From quantum structure to chemical and biochemical laws: A unified projection geometry framework for thermodynamics, kinetics, reactions, transport, and magnetism

13:00-13:20

14:00-14:20

Oral Session

**Valery P Kalinichenko, Institute of Fertility of Soils of South Russia, Russia**

Title: Chemical-Soil-Biological Engineering (CSBE) and BioGeosystem Technique (BGT\*) methodology in chemical engineering and technology

13:20-13:40

14:20-14:40

Oral Session

**Anastasia Eleni (Eleana) Kordouli, University of Patras, Greece**Title: Effective  $B_2O_3$  modified  $Ni/Al_2O_3$  co-precipitated catalysts for waste cooking oil transformation into green diesel

13:40-14:00

13:40-14:00

Oral Session

**Davor J Korcok, Faculty of Pharmacy Novi Sad, Serbia**

Title: The impact of packaging material on the stability of probiotic products

14:00-14:20

13:00-13:20

Oral Session

**Mbemba Kiele Moling, Marien Ngouabi University, Congo**

Title: SIMS profiles of alteration films formed on the surface of alkali-resistant glass in acidic and basic environments

CEST

LOCAL

14:20-14:30

17:20-17:30

Poster Session

**Mikhail Kashchenko, Ural Federal University, Russia**

Title: The most efficient mechanism for generating compact massive electron pairs as a basis for low-temperature catalytic nuclear fusion

14:30-14:40

18:00-18:10

Poster Session

**Sanskriti Gawade, D. Y. Patil College of Engineering and Technology, India**

Title: Future of chemical engineering in the space industry

Time (CEST) | Presenter Time (Local)

08:30–09:00

AV Check | Introduction

**Moderator:****Ezzouhra Elmaaiden, UM6P - Mohammed VI Polytechnic University, Morocco**

CEST

LOCAL

09:00–09:20

15:00–15:20

Oral Session

**Vladimir G Chigrinov, Hong Kong University of Science and Technology, Hong Kong**

Title: Photoaligned azodye nanolayers: New nanotechnology for liquid crystal display and photonics devices

09:20–09:40

15:20–15:40

Oral Session

**Mai Yan Yuen, The University of Hong Kong, Hong Kong**

Title: Utilizing generative AI for interactive borane modeling: Insights from Wade's rule in undergraduate education

09:40–10:00

15:40–16:00

Oral Session

**Muhammad Shahid Iqbal, University Malaysia Sabah, Malaysia**

Title: Advanced and synergistic treatment strategies for rubber industry wastewater: From conventional methods to ozone-based integrated systems

10:00–10:20

16:00–16:20

Oral Session

**Lili Sun, Sun Yat-Sen University, China**

Title: Rapid screening methods of harmful chemicals in textiles

10:20–10:30

16:20–16:30

Poster Session

**Zhongsheng Lee, Zhengzhou Commercial Technician College, China**

Title: A brief overview of four stages of formation and development of the periodic table of chemical elements, the “point, 1d, 2d, 3d”

10:30–10:40

11:30–11:40

Poster Session

**Eshraq Aljamal, Irbid National University, Jordan**

Title: Microplastics in cosmetic and personal-care products: Integrating green chemistry and ESG perspectives under the REACH 2023/2055 framework

CEST

LOCAL

10:40-10:50

10:40-10:50

Poster Session

**Monika Rehackova, University Hospital Kralovske Vinohrady, Czech Republic**

Title: When shear and interfaces matter: In vivo water-in-silicone oil droplet formation during long-term vitreous tamponade

10:50-11:30

14:20-15:00

Keynote Session

**Shree Niwas Chaturvedi, Centre for Aptitude Analysis and Talent Search, Heritage School, Buxar, India**

Title: Nuclear-enhanced photocatalysis: Ionizing radiation meets artificial photosynthesis for atom-efficient hydrogen production

11:30-12:10

11:30-12:10

Keynote Session

**Pieter Samyn, SIRRIS, Belgium**

Title: Natural rubber nanocomposites with cellulose nanofiber reinforcements produced by latex mixing: Effects of fiber morphology and modification

12:10-12:30

15:40-16:00

Oral Session

**Susarla Venkata Ananta Rama Sastry, Harcourt Butler Technical University, India**

Title: Nano lubricant enhancement through hydrothermal synthesis of 2D nanoparticles: A pathway to reduced wear and enhanced efficiency

12:30-12:50

12:30-12:50

Oral Session

**Alaa Adawy, University of Oviedo, Spain**

Title: Antimicrobial surface modification of orthodontic archwires

12:50-13:10

12:50-13:10

Oral Session

**Arash Ebrahimi, Comenius University Bratislava, Slovakia**

Title: Prospective polyoxometalate-based covalent organic framework heterogeneous catalysts

13:10-13:30

12:10-12:30

Oral Session

**Bayan Alkhawaja, University of Bath, United Kingdom**

Title: From conjugation chemistry to antibody-targeted nanoformulations: Diagnostic and therapeutic applications

CEST

LOCAL

13:30-13:50

12:30-12:50

Oral Session

**Ezzouhra Elmaiden, UM6P - Mohammed VI Polytechnic University, Morocco**

Title: Volatile chiral compound stabilization in camel hump fat lipid matrix for skincare innovation

13:50-14:10

14:50-15:10

Oral Session

**Alexandrina Nan, National Institute for Research and Development of Isotopic and Molecular Technologies, Romania**

Title: Tuning optical properties and thermal conductivity of a fluorescent polymer through the incorporation of magnetic nanoparticles

14:10-14:30

15:10-15:30

Oral Session

**Amit Sharma, National Institute for Research and Development of Isotopic and Molecular Technologies - INCDTIM, Romania**

Title: Backbone-engineered sulfonium polymers: A click chemistry approach to dual antimicrobial and anticancer agents

14:30-14:50

15:30-15:50

Oral Session

**Narra Rajashekar Reddy, National Institute for Research and Development of Isotopic and Molecular Technologies - INCDTIM, Romania**

Title: Design and synthesis of poly (thioether) dendrimers

14:50-15:10

16:20-16:40

Oral Session

**Farshad Akbarnejad, Rayka Shimi Saba and Dr. Jahangir Knowledge-Based Co, Iran**

Title: Saffron in dermatology: A comprehensive review

15:10-15:50

09:10-09:50

Keynote Session

**Hossam A Gabbar, Ontario Tech University, Canada**

Title: Advances in plasma-based radioactive waste treatment

15:50-16:30

09:50-10:30

Keynote Session

**Ruobo Zhou, Pennsylvania State University, United States**

Title: Unraveling the ultrastructure and functions of the neuronal membrane skeleton using super-resolution fluorescence microscopy

CEST

LOCAL

16:30-17:10

09:30-10:10

Keynote Session

**Haibo Ge, Texas Tech University, United States**

Title: Distal functionalization via transition metal catalysis

17:10-17:50

11:10-11:50

Keynote Session

**Thomas J Webster, Brown University, United States**

Title: Eliminating implant failure in humans with nano chemistry: 30,000 cases and counting

17:50-18:10

11:50-12:10

Oral Session

**Mila Emerald, Phytoceuticals International & Novotek Global Solutions, Canada**

Title: Nature's chemistry arsenal: Plant and marine bioactives in cellular defense and cancer suppression

18:10-18:30

12:10-12:30

Oral Session

**Jinsong Wu, University of Chile, Chile**

Title: Environmental sustainability and intelligence as well as general green technologies

18:30-18:50

11:30-11:50

Oral Session

**Geovanna Tafurt Garcia, National University of Colombia, Colombia**

Title: The volatilome of piper tenue in plant-coleopteran interactions

18:50-19:10

19:50-20:10

Oral Session

**Theodosios Geo Douvropoulos, Hellenic Naval Academy, Greece**

Title: Metamaterial-enhanced electromagnetically induced transparency in rubidium Rydberg vapor cells via buffering- and quenching-gas-aided chemical environment

19:10-19:30

18:10-18:30

Oral Session

**Adeem Mahmood, ASHHI Chem Innoscience, United Kingdom**

Title: Developing novel Obafluorin analogues as potent natural product antibiotics

End of Day 3

# WE WISH TO MEET YOU AGAIN AT OUR UPCOMING EVENTS

22<sup>nd</sup> Edition of Global Conference on  
**Catalysis & Reaction Engineering (CAT 2026)**  
October 5-7, 2026 | Tokyo, Japan | Hybrid Event  
<https://catalysis-conferences.magnusgroup.org/>

7<sup>th</sup> Edition of  
**Chemistry World Conference**  
June 2027 | Hybrid Event  
<https://chemistryworldconference.com/>



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SPAIN

## Questions? Contact

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E-mail: [secretary@magnusconference.com](mailto:secretary@magnusconference.com)