

# CONFERENCE PROGRAM



## JOINT EVENT

18<sup>TH</sup> EDITION OF INTERNATIONAL CONFERENCE ON

# CATALYSIS, CHEMICAL ENGINEERING, AND TECHNOLOGY

4<sup>TH</sup> EDITION OF INTERNATIONAL CONFERENCE ON

# GREEN CHEMISTRY AND RENEWABLE ENERGY

**17-19 JUNE, 2024**  
**PARIS, FRANCE**



**APPROVED  
PROVIDER**

#780643

Verify @ <https://thecpdregister.com>



**IN-PERSON:**

Hotel CIS Paris Ravel 6 Av. Maurice Ravel,  
75012 Paris, France



**VIRTUAL:**

Central European Summer  
Time (CEST)

<b>DAY 01</b> Monday, June 17 (In-person)	<b>DAY 02</b> Tuesday, June 18 (In-person)	<b>DAY 02</b> Tuesday, June 18 (Virtual)	<b>DAY 03</b> Wednesday, June 19 (In-person)	<b>DAY 03</b> Wednesday, June 19 (Virtual)
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08:00-08:50 Registrations	08:50-09:00 Opening Remarks	08:30-09:00 AV check	08:50-09:00 Opening Remarks	09:50-10:00 AV check
08:50-09:00 Opening Ceremony and Introduction	09:00-12:10 In-person Keynote Presentations	09:00-10:20 Virtual Keynote Presentations	09:00-11:00 In-person Keynote Presentations	10:00-11:20 Virtual Keynote Presentations
09:00-10:20 In-person Keynote Presentations	12:10-16:00 In-person Oral Presentations	10:20-10:40 Virtual Poster Presentations	11:30-17:00 In-person Oral Presentations	11:20-15:20   15:30-17:10 Virtual Oral Presentations
10:20-16:40 In-person Oral Presentations		10:40-17:00 Virtual Oral Presentations		15:20-15:30 Virtual Poster Presentations
17:00-18:00 In-person Poster Presentations				

 IN-PERSON  
 VIRTUAL

**Day 01  
Break Timings  
(In-person)**

11:00-11:30 Coffee Break  
13:10-14:00 Lunch Break  
16:40-17:00 Coffee Break

**Day 02  
Break Timings  
(In-person)**

11:00-11:30 Coffee Break  
13:10-14:00 Lunch Break  
16:00-16:20 Coffee Break

**Day 03  
Break Timings  
(In-person)**

11:00-11:30 Coffee Break  
13:10-14:00 Lunch Break  
17:00-17:20 Coffee Break

**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 that the timing mentioned is based on the time zone of the presenter's country
- In-person presentations will take place in the Trichaud 1 Meeting Room @Hotel CIS Paris Ravel and Virtual presentations will take place in Zoom meetings
- Please remain accessible in the hall or on Zoom throughout the day as there could be minor program adjustments due to technical issues or presenter no-shows.

### KEYNOTE PRESENTATIONS

Central European Summer Time (CEST)

@TRICHAUD 1 ROOM

08:00–08:50 | Registrations

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

**Moderator:**

Aditi Singhal, Ahmedabad University, India

09:00–09:40

In-Person

**Stanislaw Dzwigaj**

Sorbonne University, France

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

09:40–10:20

In-Person

**Dai Yeun Jeong**

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

Title: The limitations inherent in sustainable development and how to overcome them

### ORAL PRESENTATIONS

**Chairs:**

Stanislaw Dzwigaj, Sorbonne University, France

Dai Yeun Jeong, Jeju National University, Korea

10:20–10:40

In-Person

**Janusz Kozinski**

Lakehead University, Canada

Title: Sustainable hydrothermal processing of bio-wastes

10:40–11:00

In-Person

**Alexey Tsyganenko**

St. Petersburg State University, Russia

Title: Advances in FTIR spectroscopy of catalysts

Group Photo

11:00–11:30 | Coffee Break @Foyer

11:30–11:50

In-Person

**Vanessa Wegat**

Fraunhofer IGB, Germany

Title: Robot-aided high-throughput engineering of FLS enzyme to establish in vivo synthetic C1 metabolism

11:50–12:10 In-Person

**Clement Chastrette**

Centre d'Application et de Traitement des Agroressources (CATAR), France

Title: The Atlantic case in SEA2Land project: Optimization of the fractionation by twin-screw extrusion of fish by-products for the production of biobased fertilisers and fish oil

12:10–12:30 In-Person

**Sara Saldarriaga Hernandez**

Tecnologico de Monterrey, Mexico

Title: From waste to wealth: A circular bioeconomy approach for the brewing industry through brewery spent grains valorization

12:30–12:50 In-Person

**Elisabete Alegria**

Instituto Superior de Engenharia de Lisboa, Portugal

Title: Halogen-enhanced metal-organic frameworks: Selective CO<sub>2</sub> capture and sustainable chemical fixation

12:50–13:10 In-Person

**Sung Chyr Lin**

National Chung Hsing University, Taiwan

Title: Preparation and application of modified loofah sponges for metal chelation, protein purification, and enzyme immobilization

13:10–14:00 | Lunch @Restaurant

14:00–14:20 In-Person

**Simon Lukato**

University of Warsaw, Poland

Title: Green and scalable approaches for synthesis and encapsulation of clean nanoclusters inside cerium MOFs for catalysis: Sustainable synthesis of exovinylene carbonates and glycerol carbonate from glycerol and primary propargylic alcohols and CO<sub>2</sub>

14:20–14:40 In-Person

**Danuta Olszewska**

AGH University of Krokow, Poland

Title: Catalytic materials for flue gas cleaning based on used drinking water filters

14:40–15:00 In-Person

**Choong Kil Seo**

Howon University, Republic of Korea

Title: Harmful gases reduction characteristics according to the additive catalysts and support types of H<sub>2</sub>-SCR

15:00–15:20 In-Person

**Luis Eduardo Ramirez Cardenas**

Toulouse INP-ENSIACET, France

Title: Screening of solvents for perovskite solar cells using reverse engineering approach

15:20–15:40 In-Person

**Jenifer Robinson**

Indian School Alwadi AL Kabir, Oman

Title: Sustainable chemistry in education

15:40–16:00

In-Person

**Lorena Salazar Gamez**  
Universidad Mariana, Colombia

Title: Natural Organic Matter (NOM), turbidity removal and biodegradability behavior by coagulant solution based on M.Oleifera in water treatment

16:00–16:20

In-Person

**Mohammad Bahhar**  
Saudi Aramco, Saudi Arabia

Title: Effect of mesoporosity and acidity on crude oil direct hydrocracking

16:20–16:40

In-Person

**Aditi Singhal**  
Ahmedabad University, India

Title: Preparation and oxygen evolution reaction on nanoporous semi-transparent La<sub>0.8</sub>Sr<sub>0.2</sub>CoO<sub>3</sub> coatings: Stability and mechanism in neutral medium

16:40–17:00 | Coffee Break @Foyer

## (17:00-18:00) POSTER PRESENTATIONS @FOYER

PP001

In-Person

**Marco Antonio Gaya de Figueiredo**  
State University of Rio de Janeiro,  
Brazil

Title: Technology roadmap: Trends in the use of fluidized bed catalytic cracking catalysts in bio-oil co-processing in refineries

PP002

In-Person

**Abdulaziz Alghamdi**  
King Fahd University of Petroleum and  
Minerals, Saudi Arabia

Title: Catalytic conversion of low-density polyethylene/HVGO blend to light olefins over zeolite catalyst

PP003

In-Person

**Fabre Jean Francois**  
LCA-ENSIACET/INPT-INRAE, France

Title: SLCA methodology applied to bio-based fertilizers from fisheries/aquaculture waste in the scope of the Sea2Land Project

PP004

In-Person

**Elisabete Alegria**  
Instituto Superior de Engenharia de  
Lisboa, Portugal

Title: Nanocomposites based on Fe<sub>3</sub>O<sub>4</sub> and BaTiO<sub>3</sub> in oxidation of benzyl alcohol and 1-phenylethanol using different energy inputs

PP005

In-Person

**Gemma Villorbina Noguera**  
University of Lleida, Spain

Title: Screening of Ionic Liquids (IL) and Deep Eutectic Solvents (DES) through COSMO-RS for the efficient lignocellulosic fractionation of peach stone cover

PP006

In-Person

**Amru Alghamdi**  
King Fahd University of Petroleum and  
Minerals, Saudi Arabia

Title: Autoignition temperature prediction using machine learning

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End of Day 1

# DAY 2

IN-PERSON

JUNE 18, 2024

Tuesday

## KEYNOTE PRESENTATIONS

Central European Summer Time (CEST)

@TRICHAUD 1 ROOM

08:50–09:00 | Opening Remarks

**Moderator:**

Elsa Justino, ISCTE–University Institute of Lisbon, Portugal

09:00–09:40

In-Person

**Hossam A Gabbar**

Ontario Tech University, Canada

Title: Advances in plasma-based waste treatment for sustainable communities

09:40–10:20

In-Person

**Sergey Suchkov**

Moscow State University of Food Industry (MGUPP), Russia

Title: Personalized and Precision Medicine (PPM) as a unique healthcare model to be set up through biodesign-inspired biotech-driven translational applications and upgraded business marketing to secure the human healthcare, wellness and biosafety

10:20–11:00

In-Person

**M A Martin Luengo**

Institute of Materials Science of Madrid, Spain

Title: Catalysis, chemical engineering and technology catalysis for renewable sources green chemistry

11:00–11:30 | Coffee Break @Foyer

11:30–12:10

In-Person

**Alexander A Kamnev**

Institute of Biochemistry and Physiology of Plants and Microorganisms, Saratov FSC of the Russian Academy of Sciences, Russia

Title (Invited): Molecular spectroscopic in-situ monitoring of biotechnologically significant processes in agriculturally important bacteria

## ORAL PRESENTATIONS

**Chair:**

Hossam A Gabbar, Ontario Tech University, Canada

12:10–12:30

In-Person

**Jana Pisk**

University of Zagreb, Croatia (hrvatska)

Title: Catalytic potential of vanadium coordination compounds in oxidation reactions

12:30–12:50

In-Person

**Janusz Lasek**

Institute of Energy and Fuel Processing Technology, Poland

Title: Simultaneous removal of VOC and NOx from air in photo-catalytic process using a pilot-scale photo-reactor

12:50–13:10

In-Person

**Alexander A Kamnev**

Institute of Biochemistry  
and Physiology of Plants and  
Microorganisms, Saratov FSC of the  
Russian Academy of Sciences, Russia

Title (Invited): Vibrational spectroscopy techniques in analysing biogenic selenium nanostructures

13:10–14:00 | Lunch @Restaurant

14:00–14:20

In-Person

**Sergey V Suchkov**

Moscow State University Of Food  
Industry (MGUPP), Russia

Title: Antibody–proteases as translational tools of the next–step generation to be applied for biotech, bioindustry and personalized and precision medical practice

14:20–14:40

In-Person

**Sirshendu Guha**

Engineers India Limited, New Delhi,  
India

Title: The primary aqueous aluminum–copper battery

14:40–15:00

In-Person

**Barama Siham**

University Sciences and Technology  
Houari Boumediene Algiers, Algeria

Title: Driven visible–light of strategically photocatalytic degradation of methylene blue in water over Au–Ce@Amb catalyst and g–C<sub>3</sub>N<sub>4</sub> co–catalyst

15:00–15:20

In-Person

**Fatemehsadat**

**Mirmohammadmakkio**  
Azad University, Iran

Title: Walnut shell, an essential agricultural–horticultural byproduct, serves as an effective bio–absorbent for heavy metals in water

15:20–15:40

In-Person

**Payam Shafie**

Laval University, Canada

Title: Thermodynamic analysis of CO<sub>x</sub>–free Hydrogen generation by Ammonia cracking

15:40–16:00

In-Person

**Yitong Duan**

King’s College London,  
United Kingdom

Title: Biosynthesis of Quantum Dots (QDs) in euglena gracilis

16:00–16:20 | Coffee Break @Foyer

# DAY 2

Virtual

JUNE 18, 2024

Tuesday

## KEYNOTE PRESENTATIONS

CEST

Local Timings

@ZOOM MEETING

08:30–09:00 CEST | AV check

**Moderator:**

Jane Mueller, Almac, United Kingdom

09:00–09:40

09:00–09:40

**Victor Cerda**

University of the Balearic Island,  
Spain

Title: Autoanalysis, a powerful software for laboratory automation

09:40–10:20

10:40–11:20

**Venko Beschkov**

Bulgarian Academy of Sciences,  
Bulgaria

Title: Energy production by integrated adsorption and catalysis in fuel cells – the case of hydrogen sulfide

## POSTER PRESENTATIONS

10:20–10:30

16:20–16:30

**Xia Li**

Tianjin Key Laboratory for Prevention  
and Control of Occupational and  
Environmental Hazards, China

Title: Catalytic asymmetric diels–alder reaction of 2'-Hydroxychalcone as a dienophile with VANOL–borate ester complex

10:30–10:40

16:30–16:40

**Xia Li**

Tianjin Key Laboratory for Prevention  
and Control of Occupational and  
Environmental Hazards, China

Title: Synthesis and anti–hypoxia activity of solidroside

## ORAL PRESENTATIONS

10:40–11:00

17:40–18:00

**Young Sang Cho**

Korea Institute of Science and  
Technology, Republic of Korea

Title: Production of petroleum–like hydrocarbons on rock particles with H<sub>2</sub>O and carbon compounds

11:00–11:20

12:00–12:20

**Cemil Koyunoglu**

Yalova University, Turkey

Title: Boron–doped catalysts and the production of energy from microalgae



11:20–11:40 12:20–12:40

**Parfenova Maria**

Institute of Physical Materials  
Science, Siberian Branch of the  
Russian Academy of Sciences, Russia

Title: Phase diagrams 3D computer models as a novel tool to design the catalytic materials

11:40–12:00 13:40–14:00

**Yarub Al-Douri**

University of Sharjah, United Arab  
Emirates

Title: Incorporating nanotechnology into renewable energy

12:00–12:20 13:00–13:20

**Osman Adiguzel**

Firat University, Turkey

Title: Shape reversibility and diffusionless transformations in shape memory alloys

12:20–12:40 15:50–16:10

**Suresh C Ameta**

PAHER University, India

Title: Photocatalysis: A promising green chemical pathway

12:40–13:00 16:10–16:30

**Tokeer Ahmad**

Jamia Millia Islamia, India

Title: Functional heterojunctions nanocatalysts for scalable hydrogen production

13:00–13:20 13:00–13:20

**Janus Louw**

Stellenbosch University, South Africa

Title: Techno-economic and life-cycle assessment of biobased plastic production

13:20–13:40 13:20–13:40

**Janus Louw**

Stellenbosch University, South Africa

Title: Economic and environmental benefits of bioprocess improvements for the production of 2,3-butanediol and adipic acid in a sugarcane biorefinery

13:40–14:00 17:10–17:30

**Ram Sambhar Shukla**

Inorganic Materials and Catalysis  
Division, India

Title: Cyclohexane oxidation catalysed by ruthenium complex at atmospheric pressure of molecular oxygen

14:00–14:20 17:30–17:50

**Ritu Bala**

Guru Nanak Dev University, India

Title: A one pot approach to catalyze Suzuki–Miyaura coupling reaction using (2-benzoylpyridinethiosemicarbazone) palladium(II)

14:20–14:40 15:20–15:40

**Yousef Alqahs Alanezi**

Missouri University of Science and  
Technology, Kuwait

Title: Surface functionalized ceramic membrane using super hydrophilic catalysis to enhance of oil in water separation

14:40–15:00 14:40–15:00

**Orchidea Maria Lecian**

Sapienza University of Rome, Italy

Title: Markov lumping hydrocracking and markov catalytic hydrocracking revisited

15:00–15:20 15:00–15:20

**Jose Angel Siles Lopez**

University of Cordoba, Spain

Title: Towards improving urban waste management: Characterization and evaluation of odorous impact

15:20–15:40 16:20–16:40

**Jane Mueller**

Almac, United Kingdom

Title: IN Silico Informed metaGenomic Harvesting Technology–(INSIGHT) – How a smart platform can accelerate the timelines of genes–to–GMP

15:40–16:00 08:40–09:00

**Haibo Ge**

Texas Tech University, United States

Title: Distal functionalization via transition metal catalysis

16:00–16:20 17:30–17:50

**Ramona Massoud**

Iran National Standards Organization,  
Iran

Title: Heavy metals bioremoval by lactobacillus acidophilus in milk as a green technology

16:20–16:40 17:20–17:40

**Safdar Hossain**

King Faisal University, Saudi Arabia

Title: Carbon support materials for the electrocatalyst for the formic acid electrooxidation

16:40–17:00 15:40–16:00

**Maria Candeia Kuliakita Sakukuma**

Higher Institute of Education Sciences  
in Lubango, Angola

Title: Use of organocatalysis for the synthesis of phenyl–hydroxylated–butyric acids

### KEYNOTE PRESENTATIONS

Central European Summer Time (CEST)

@TRICHAUD 1 ROOM

08:50–09:00 | Opening Remarks

**Moderator:**  
Elsa Justino, ISCTE–University Institute of Lisbon, Portugal

09:00–09:40 In-Person

**Patrick Martin**  
Unité Transformations &  
Agroressources, France

Title: Bioeconomics & Bioactive compounds from plants for material or biological applications

09:40–10:20 In-Person

**Helena Belchior Rocha**  
ISCTE–Instituto Universitário de  
Lisboa, Portugal

Title: The link of green chemistry with community sustainable intervention

10:20–11:00 In-Person

**Cristian Ravariu**  
Universitatea Politehnica Bucuresti,  
Romania

Title: Biosensors for dopamine – receptors, transducers and nano–scale configurations

11:00–11:30 | Coffee Break @Foyer

### ORAL PRESENTATIONS

**Chair:**  
Patrick Martin, Université d'Artois – UniLaSalle, France

11:30–11:50 In-Person

**Pushkar Shejwalkar**  
ZDHC Foundation, India

Title : Input management for sustainable chemistry

11:50–12:10 In-Person

**AnneMarie Clements**  
Anne Clements & Associates Pty  
Limited, Australia

Title: Green chemistry to overcome green roof reluctance in urban sydney

12:10–12:30 In-Person

**Jana Pisk**  
University of Zagreb, Croatia  
(Hrvatska)

Title: Mo complexes derived from simple acyl–hydrazones as green catalysts in oxidation reactions

12:30–12:50 In-Person

**Wilmar Osorio Viana**  
Universitat de Lleida, Spain

Title: Towards a circular economy with biorefineries: forestry waste biomass in Catalonia as innovation source

12:50–13:10 In-Person

**Danay Carrillo Nieves**  
Tecnologico de Monterrey, Mexico

Title: Sustainable biodiesel production and high-value alginate extraction from invasive sargassum seaweeds: Unlocking economic opportunities from waste

13:10–14:00 | Lunch @Restaurant

14:00–14:20 In-Person

**Elsa Justino**  
ISCTE–Instituto Universitário de Lisboa, Portugal

Title: Converging paths: Green chemistry and human rights advocacy

14:20–14:40 In-Person

**Chung Yu Guan**  
National Ilan University, Taiwan

Title: Plant microbial fuel cells and biorefinery technology for climate change, global warming, energy shortages, and environmental problems

14:40–15:00 In-Person

**Yangyang Guo**  
Institute of Process Engineering  
Chinese Academy of Sciences, China

Title: Interactive adsorption mechanism and product distribution of impurity gases on CO<sub>2</sub> adsorption over amine-grafted ZSM-5/SBA-16 adsorbent

15:00–15:20 In-Person

**Zoubida Belmahi**  
Institute agronomic & veterinary IAV  
HASSAN II/MAROC, Morocco

Title: Study of genetic diversity of thymus saturoioides in based on morphological traits and molecular markers ISSR

15:20–15:40 In-Person

**Benjeddi Abir**  
University V Mohammed, Morocco

Title: Chemical diversity of the genus mentha: Promoting green chemistry with nature's diversity

15:40–16:00 In-Person

**Alami soufiane**  
University V Mohammed, Morocco

Title: The inoculation with ensifer meliloti sv. rigiduloides improves the growth of robinia pseudoacacia under lead-stress

16:00–16:20 In-Person

**Tangka Julius Kewir**  
University of Dschang, Cameroon

Title: Biodiesel feed stock potential and biochemical properties of defatted seeds of some tropical wild oleaginous plants

16:20–16:40 In-Person

**Kaoutar kaddouri**  
University V Mohammed, Morocco

Title: Different Solubilizing Phosphate Bradyrhizobium SPP. from symbiovar genistearum nodulate the endemic retama dasycarpa in the maamora forest, Morocco

16:40–17:00

In-Person

**Hisham Bamufleh**  
King Abdulaziz University,  
Saudi Arabia

Title: Investigation of physical properties and carbon dioxide solubility in tetramethylammonium bromide and tetraethylammonium bromide ionic liquids solutions using multi–non–linear regression analysis

17:00–17:20 | Coffee Break @Foyer

# DAY 3

Virtual

JUNE 19, 2024

Wednesday

## KEYNOTE PRESENTATIONS

CEST

Local Timings

@ZOOM MEETING

09:50–10:00 CEST | AV check

10:00–10:40

17:00–17:40

**Ichiro Imae**

Hiroshima University, Japan

Title: Green synthesis of graphene/silicon composite and its application to lithium-ion battery

10:40–11:20

09:40–10:20

**Kevin Kendall**

Hydrogen United in Birmingham,  
United Kingdom

Title: Green hydrogen by economic electrolysis

## ORAL PRESENTATIONS

11:20–11:40

18:20–18:40

**Yoshinori Mishina**

Individual Researcher, Japan

Title: Are potential reductions in CO<sub>2</sub> emissions via hybrid electric vehicles actualized in real traffic? The case of Japan

11:40–12:00

17:40–18:00

**Jie Yang**

Minjiang University, China

Title: The effect of additives (Sea Salt & Na<sub>2</sub>CO<sub>3</sub>) on hydrothermal liquefaction of biomass for biocrude production and intelligent prediction

12:00–12:20

13:00–13:20

**Osman Adiguzel**

Firat University, Turkey

Title: Thermomechanical processes and lattice reactions in shape memory alloys

12:20–12:40

18:20–18:40

**Jinsong Wu**

Guilin University of Electronic  
Technology, China

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

12:40–13:00

18:40–19:00

**Wei Zhou**

Qilu University of Technology, China

Title: The synthesis and modification of g-C<sub>3</sub>N<sub>4</sub>-based materials for photocatalytic applications

13:00–13:20 14:00–14:20

**Ofir Degani**

Migal – Galilee Research Institute,  
Israel

Title: 6–Pentyl– $\alpha$ –Pyrone, a strong antifungal compound, against the maize late wilt pathogen, magnaportheiosis maydis

13:20–13:40 16:50–17:10

**Amarta Kumar Pal**

North–Eastern Hill University, India

Title: Graphite oxide is an efficient green catalyst and support material in organic synthesis

13:40–14:00 19:40–20:00

**Romulo R Macadangdang Jr**

National University, Philippines

Title: Sustainable platinum nanoparticles encaged within metal–organic frameworks for promoted selective catalytic hydrogenation of furfural to furfural alcohols

14:00–14:20 16:00–16:20

**Yarub Al Douri**

University of Sharjah, United Arab  
Emirates

Title: Structural investigation of quinary alloys

14:20–14:40 14:20–14:40

**Ernestine Atangana**

University of the Free State, South  
Africa

Title: Effectiveness of biopolymer adsorbent treatment method for small medium winery industry in South Africa

14:40–15:00 14:40–15:00

**Oscar Martinez Rico**

University of Vigo, Spain

Title: Circular solutions for textile sustainability: Water and resource conservation

15:00–15:20 15:00–15:20

**Alexis Spalletta**

Unite Transformations & Agro–  
ressources, France

Title: Toward biocatalyzed carbohydrate–based surfactants synthetic strategy: Optimization of biocatalyzed multi–step one–pot synthesis of a biosourced lipophilic moiety

## POSTER PRESENTATIONS

15:20–15:30 18:50–19:00

**Dinesh Chandra Joshi**

Central Arid Zone Research Institute,  
India

Title: Sustainable management of sodic water irrigated arid soils: Issues and strategies

## ORAL PRESENTATIONS

15:30–15:50 08:30–08:50

**Tirath Raj**

University of Illinois Urbana  
Champaign, United States

Title: Green deconstruction approaches for processing of lignocellulosic crops for sustainable production of production of fuels and chemicals

15:50–16:10 07:50–08:10

**Maria L Mota**

Institute of Engineering and  
Technology, Autonomous University of  
Ciudad Juarez, Mexico

Title: Non-enzymatic Biosensor based on wasted photosensitive drugs

16:10–16:30 08:10–08:30

**Alena Kharissova**

Universidad Autonoma de Nuevo  
Leon, Mexico

Title: Nature's solutions, engineered: Biomimetic design of antifouling materials for artificial reefs using green chemistry approaches

16:30–16:50 16:30–16:50

**Dario Bove**

University of Genoa, Italy

Title: Feasibility analysis and design optimization of MCFC gas recirculation for enhanced carbon capture

16:50–17:10 16:50–17:10

**Arena Maria Cristina**

Universita di Pavia (IT), Italy

Title: Recuperation systems for fluorinated gas at the CERN LHC experiments


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END NOTE

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- The conference follows Central European Summer Time (CEST) for both In-person and Virtual sessions.
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- In-person presentations will take place in the Trichaud 1 Meeting Room @Hotel CIS Paris Ravel and Virtual presentations will take place in Zoom meetings
- Please remain accessible in the hall or on Zoom throughout the day as there could be minor program adjustments due to technical issues or presenter no-shows.





*We wish to meet you again at our  
upcoming events*

19<sup>th</sup> Edition of Global Conference on  
**Catalysis, Chemical Engineering & Technology**

September 19-21, 2024 | Rome, Italy | Hybrid Event

<https://catalysis-conferences.magnusgroup.org/>

5<sup>th</sup> Edition of International Conference on  
**Green Chemistry and Renewable Energy**

May 19-21, 2025 | Tokyo, Japan | Hybrid Event

<https://magnusconferences.com/green-chemistry/>

**Questions? Contact**

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

