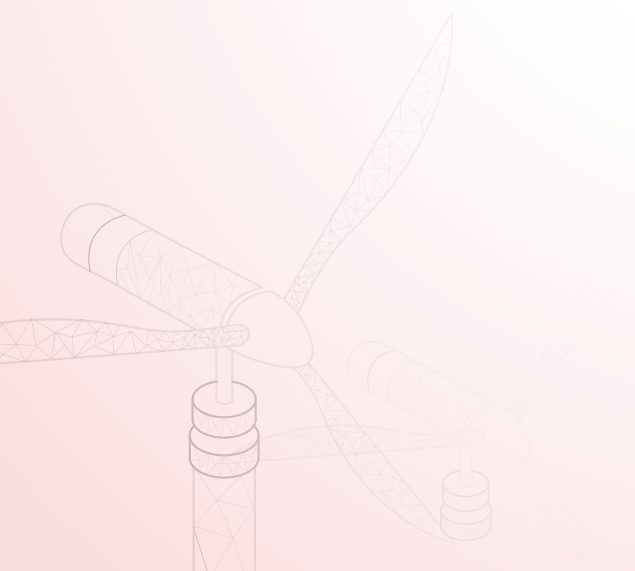


Rome, Italy | **17-19**
SEPTEMBER, 2026

3RD EDITION OF GLOBAL CONFERENCE ON

BIOFUELS & BIOENERGY

INTERNATIONAL ENERGY FUTURE CONFERENCE



IN-PERSON:

NH Villa Carpegna
Via Pio IV, 6, 00165 Roma RM, Italy

VIRTUAL:

Central European Summer Time (CEST)

**THURSDAY
SEPTEMBER 17
2026**

DAY 01 | IN-PERSON @LEONARDO B ROOM

08:00-08:50	Registrations
08:50-09:00	Opening Ceremony and Introduction
09:00-11:00	Keynote Sessions
11:00-11:30	Coffee Break
11:30-12:10	Keynote Session
12:10-12:50	Oral Sessions
12:50-13:50	Lunch Break
13:50-15:50	Oral Sessions
15:50-16:10	Coffee Break
15:50-16:10	Poster Sessions
16:10-18:10	Keynote Sessions
18:10-19:50	Oral Sessions

**FRIDAY
SEPTEMBER 18
2026**

DAY 02 | VIRTUAL ROOM @ZOOM

08:30-09:00	AV Check and Introduction
09:00-09:20	Oral Session
09:20-10:40	Keynote Sessions
10:40-15:40	Oral Sessions
15:40-15:50	Poster Session

**SATURDAY
SEPTEMBER 19
2026**

DAY 03 | VIRTUAL ROOM @ZOOM

08:30-09:00	AV Check and Introduction
09:00-09:20	Oral Session
09:20-11:20	Keynote Sessions
11:20-13:20	Oral Sessions
13:20-14:00	Keynote Session
14:00-14:40	Oral Sessions

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 Leonardo B Room - NH Villa Carpegna, Rome, Italy. 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



Alexey Mikhaylov

Financial University under the Government
of the Russian Federation, Russia



Arindam Chakraborty

Natures Principles, India



Dai Yeun Jeong

Asia Climate Change Education Center,
South Korea



Deinar Agudelo Ortiz

Natural Motos, Colombia



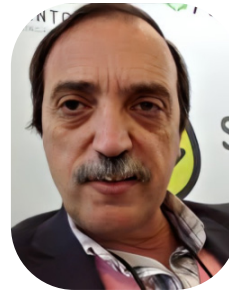
Delia Teresa Sponza

Dokuz Eylul University, Turkey



Enrico Paris

Council for Agricultural Research and
Economics (CREA), Italy



Jorge Antonio Hilbert

Energy and Environmental Consulting
Services, Argentina



Mustafa Ergin Şahin

Karadeniz Technical University, Turkey



Sabine Rode

Université de Lorraine, France



Stanislaw Dzwigaj

Sorbonne Université, France



Saim Memon

Sanyou London Pvt Ltd, United Kingdom



Vladimir Chigrinov

Hong Kong University of Science and
Technology, Hong Kong

Day 01 – Leonardo B Room

September 17, Thursday

CENTRAL EUROPEAN SUMMER TIME (CEST)

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

Moderators:

Theresa Koffler, BEST - Bioenergy and Sustainable Technologies GmbH, Austria
Jing Fu, University of Twente, Netherlands

Chairs:

Dai Yeun Jeong, Asia Climate Change Education Center, South Korea
Deinar Agudelo Ortiz, Natural Motos, Colombia
Saim Memon, Sanyou London Pvt Ltd, United Kingdom

09:00–09:40

Keynote Session

Dai Yeun Jeong, Asia Climate Change Education Center, South Korea

Title: Why should nature be conserved?

09:40–10:20

Keynote Session

Stanislaw Dzwigaj, Sorbonne Université, France

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

10:20–11:00

Keynote Session

Enrico Paris, Council for Agricultural Research and Economics (CREA), Italy

Title: Hydrogen production from contaminated residual biomass: An integrated gasification and SEWGS process study

11:00–11:30

Coffee Break @Foyer | Group Photo

11:30–12:10

Keynote Session

Saim Memon, Sanyou London Pvt Ltd, United Kingdom

Title: Energy performance of world's first vacuum insulated heatable curtain for realistic energy-loss reduction with mild radiant heating

12:10-12:30

Oral Session

Emile Braunthal Weisman, Groupe Heurtey, France

Title: Current global warming can be understood when we know physics

12:30-12:50

Oral Session

Theresa Koffler, BEST - Bioenergy and Sustainable Technologies GmbH, Austria

Title: Advancing waste-to-fuel technologies: Integrated research on DFB gasification, Fischer-Tropsch synthesis and process monitoring

12:50-13:50

Lunch Break @Restaurant

13:50-14:10

Oral Session

Sven Van Elst, ASTER cv, Belgium

Title: SAGE: A scalable, people-centred model for Europe's sustainable housing transition

14:10-14:30

Oral Session

Immanuel Wustinger, BEST - Bioenergy and Sustainable Technologies GmbH, AustriaTitle: Commissioning of a lab-scale alcohol synthesis plant and first operation results using a Cu/ZnO/Al₂O₃ methanol synthesis catalyst

14:30-14:50

Oral Session

Mohsen Banaei, Technical University of Denmark, Denmark

Title: A multi-stage linear state estimation method for three-phase unbalanced distribution grids

14:50-15:10

Oral Session

Eslam Saied Hemeda, Menoufia University, Egypt

Title: Improving mechanical properties of recycled aggregate pervious concrete using Taguchi method

15:10-15:30

Oral Session

Annarita Travaglino, University of Campania "Luigi Vanvitelli", Italy

Title: Co-gasification of coal, plastic waste, and wood in a fluidized bed reactor: Effect of operative conditions

15:30-15:50

Oral Session

Jing Fu, University of Twente, Netherlands

Title: Non-woody biomass combustion in grate furnaces: Model optimization and parametric analysis

15:50-16:10

Coffee Break @Foyer

PP01

Poster Sessions (15:50-16:10)

Jose Antonio Romero Paguay, Amazon State University, Ecuador

Title: Evaluation of climate resilience and degradation of photovoltaic systems in the Ecuadorian Amazon-2025-2026

PP02

Mindaugas Mizutavicius, Lithuanian Energy Agency, Lithuania

Title: Streamlining energy savings calculations in the EU member states + (streamSAVE+)

16:10-16:50

Keynote Session

Dai Yeun Jeong, Asia Climate Change Education Center, South Korea

Title: Green management of enterprises as a response to climate change

16:50-17:30

Keynote Session

Deinar Agudelo Ortiz, Natural Motos, Colombia

Title: Inclusive energy transition through productive small-scale mobility: Natural gas and LPG solutions for two- and three-wheel transport

17:30–18:10

Keynote Session

Mustafa Ergin Şahin, Karadeniz Technical University, Turkey

Title: Micro grid of power electronics, renewable energy storage, and collaboration opportunities

18:10–18:30

Oral Session

Manuel Alcazar Ortega, Universitat Politècnica de València, Spain

Title: District heating operators as demand aggregators in integrated energy systems

18:30–18:50

Oral Session

Lina Montuori, Universitat Politècnica de València, Spain

Title: From sewage to sustainability: Machine learning–based predictive modelling of biogas production in energy-positive wastewater treatment plants

18:50–19:10

Oral Session

Mustafa Ergin Şahin, Karadeniz Technical University, Turkey

Title: PID control of the tension system for the helical wound superconducting cable production system

19:10–19:30

Oral Session

Mikail Olam, Inonu University, Turkey

Title: Monod-based kinetic evaluation of biogas production from food waste derived substrates

19:30–19:50

Oral Session

Mikail Olam, Inonu University, Turkey

Title: Integrated process flowsheet and preliminary design for Bio-DME production from organic wastes

End of Day 1

Day 02 – @Zoom Meeting

September 18, Friday

Central European Summer Time (CEST)

08:30–09:00

AV Check and Introduction

Moderators:

Fazel Ziraksaz, Shahid Beheshti University, Iran

Harishchandra Singh, Amity University Noida, India

CENTRAL EUROPEAN
SUMMER TIME (CEST)

PRESENTER'S LOCAL
COUNTRY TIME

09:00–09:20

15:00–15:20

Oral Session

Kaveh Moghanirahimi, Edith Cowan University, Australia

Title: Mechanical alteration of magnetite mineral after hydrothermal exposure: Implication for natural hydrogen generation and storage

09:20–10:00

15:20–16:00

Keynote Session

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

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

10:00–10:40

10:00–10:40

Keynote Session

Sabine Rode, Université de Lorraine, France

Title: Carbon capture from flue gases and biogas at atmospheric pressure, existing technologies and development of an innovative technology based on physical absorption in membrane contactors

10:40–11:00

16:40–17:00

Oral Session

Lili Sun, Guangzhou Inspection, Testing, and Certification Group Co, Ltd, China

Title: Rapid screening methods of harmful chemicals in textiles

11:00–11:20

17:00–17:20

Oral Session

Chen Jun, Shahe Middle School, China

Title: Dissipative research and development of dissipative work $W=Q=CF^2t$ and gravitational field energy

11:20–11:40

14:50–15:10

Oral Session

Arun K Shandilya, Dr Hari Singh Gour University, India

Title: Discovery of rare helium gas, in Proterozoic rocks of Vindhyan Super Group, South Ganga Basin, in Sagar district, M.P, India

CENTRAL EUROPEAN
SUMMER TIME (CEST)PRESENTER'S LOCAL
COUNTRY TIME

11:40-12:00

15:10-15:30

Oral Session

Michael Anjello Jothi Rajan, Aadhavan Educational and Research Trust, India

Title: Ethics of energy equity and human security

12:00-12:20

15:30-15:50

Oral Session

Harishchandra Singh, Amity University Noida, India

Title: Breaking the energy-power trade-off for next-generation energy storage

12:20-12:40

13:50-14:10

Oral Session

Fazel Ziraksaz, Shahid Beheshti University, Iran

Title: The role of low-voltage, low-power architectures in enabling a sustainable energy future

12:40-13:00

13:40-14:00

Oral Session

Valyaev Alexander, Nuclear Safety Institute of RAS, Russia

Title: Nuclear risks and damages in Europe

13:00-13:20

14:00-14:20

Oral Session

Viacheslav Konoval, Ukrainian Geological Survey (State Service of Geology and Mineral Resources of Ukraine - SSGSU), Ukraine

Title: Monetary assessment of attractiveness production sharing agreement

13:20-13:40

13:20-13:40

Oral Session

Daria Botsula, University of Udine, Italy

Title: Compact high-density gasifier for "waste" biomasses

13:40-14:00

17:10-17:30

Oral Session

Harishchandra Singh, Amity University Noida, India

Title: Operando and in-situ characterisation of energy materials: Understanding dynamic processes in catalysis and hydrogen technologies

CENTRAL EUROPEAN
SUMMER TIME (CEST)PRESENTER'S LOCAL
COUNTRY TIME

14:00-14:20

17:30-17:50

Oral Session

Bijendra Singh, Central University of Gujarat, India

Title: Energy transition and the evolving role of oil and gas in achieving net zero emissions

14:20-14:40

09:20-09:40

Oral Session

María Paz Sanchez Amono, CEVE (Experimental Center for Affordable Housing) AVE-CONICET, Argentina

Title: Thermal performance of tiles roof based on recycled waste. Introduction to the National Housing Labeling Program (PRONEV) in Argentina

14:40-15:00

09:40-10:00

Oral Session

Silmara Furtado da Silva, Pontifical Catholic University of Rio de Janeiro, Brazil

Title: Navigating the sustainable aviation fuel landscape in Brazil: Resources, barriers, and policy pathways

15:00-15:20

09:00-09:20

Oral Session

Bei yuan Liang, GeoImage LLC, United States

Title : The first principle of microseismic monitoring

15:20-15:40

14:20-14:40

Oral Session

Fatima El Hiri, Mohammed V University, Morocco

Title: Prediction of the energy barriers of Na diffusion in blue phosphorene: A DFT and machine learning approach

15:40-15:50

14:40-14:50

Poster Session

Tchawe Tchawe Moukam, University of Ngaoundere, Cameroon

Title: A different approach to hydropower: An eco-friendly approach (Clean Hydro Production)

Day 03 – @Zoom Meeting

September 19, Saturday

Central European Summer Time (CEST)

08:30–09:00

AV Check and Introduction

Moderator:

Preeti Mehta Kakkar, Amity University Noida, India

CENTRAL EUROPEAN
SUMMER TIME (CEST)

PRESENTER'S LOCAL
COUNTRY TIME

09:00–09:20

17:00–17:20

Oral Session

Adhwaith Das, Southern Cross University, Australia

Title: Enhancing biomethanation from anaerobic digestion using hydrochar

09:20–10:00

12:50–13:30

Keynote Session

Arindam Chakraborty, Natures Principles, India

Title: Mixed Culture Fermentation (MCF) for sustainable lactic acid production for Polylactic Acid (PLA)

10:00–10:40

11:00–11:40

Keynote Session

Alexey Mikhaylov, Financial University under the Government of the Russian Federation, Russia

Title: Comparative analyses and optimizations of hybrid biomass and solar energy systems based upon a variety of biomass technologies

10:40–11:20

11:40–12:20

Keynote Session

Delia Teresa Sponza, Dokuz Eylul University, Turkey

Title: Biofuel production from waste plastics

11:20–11:40

13:20–13:40

Oral Session

Ashraf Abdelrahim, United Arab Emirates University, United Arab Emirates

Title: Sustainable energy generation and materials recovery from urban wastes in the United Arab Emirates

11:40–12:00

11:40–12:00

Oral Session

Lucio Zaccariello, University of Campania “Luigi Vanvitelli”, Italy

Title: Biomass gasification in a 1.5 MWth fluidized bed reactor: A sustainable route for biofuel production

12:00-12:20

12:00-12:20

Oral Session

Klaudia Lyzinska, Warsaw University of Technology, Poland

Title: Biofuels: From simple raw materials to advanced technologies

12:20-12:40

15:50-16:10

Oral Session

Shina Gautam, UPL University of Sustainable Technology, India

Title : Sustainable conversion of waste printed circuit boards into phenol-rich pyrolysis oil through catalytic upgrading and bromine removal

12:40-13:00

16:10-16:30

Oral Session

Preeti Mehta Kakkar, Amity University Noida, IndiaTitle: Two-stage fermentation for converting waste CO₂ into omega-3 fatty acids and biodiesel

13:00-13:20

16:30-16:50

Oral Session

Prince Kumar Barnwal, Indian Institute of Technology Guwahati, IndiaTitle: Engineering octahedral redox sites in NiMn_xCo_{2-x}O₄ spinel oxides for selective base-free aqueous phase 5-hydroxymethylfurfural oxidation to FDCA

13:20-14:00

08:20-09:00

Keynote Session

Jorge Antonio Hilbert, Energy and Environmental Consulting Services, Argentina

Title: Rethinking the iLUC factor in sustainable aviation fuels

14:00-14:20

08:00-08:20

Oral Session

Maren Pauly, SGS Beta, United States

Title: Carbon-14 analysis: An accurate verification method for verifying the biogenic carbon content of biomass-derived fuels

14:20-14:40

07:20-07:40

Oral Session

Tirath Raj, University of Illinois Urbana Champaign, United States

Title: Aqueous/ EtOH: p-TsOH deep eutectic solvent assisted low-temperature deconstruction of miscanthus x giganteus biomass for production of bioethanol

End Note

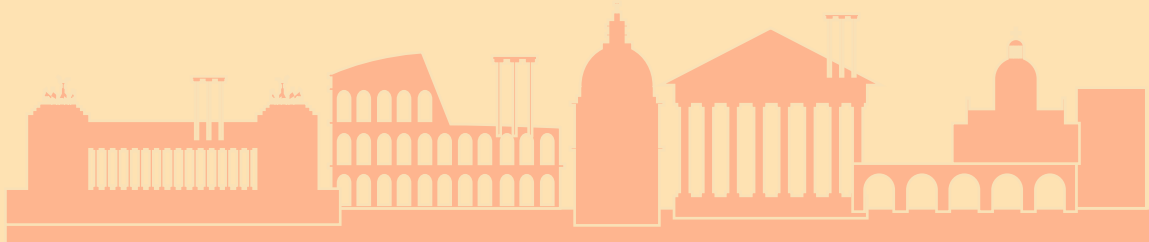
WE WISH TO MEET YOU AGAIN AT OUR UPCOMING EVENTS

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Biofuels and Bioenergy
September 2027 | Valencia, Spain | Hybrid Event
<https://biofuels-energy.magnusconferences.com/>

2nd Edition of
International Energy Future Conference
September 2027 | Valencia, Spain | Hybrid Event
<https://energyfutureconference.com/>



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ITALY



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E-mail: secretary@magnusconference.com