



Scientific Program

2nd World Summit on

RENEWABLE ENERGY & GREEN CHEMISTRY

November 24-25, 2025 | Prague, Czech Republic



Hosting Organization: Inovine Meetings LLC, 2C Pecan Hill Drive Clinton
Mississippi, 39056 USA | Phone: +1-408-648-2233

Day 1

November 24, 2025
Prague, Czech Republic

Scientific Program

09:00–09:15: Registrations

09:15–09:30: Opening Ceremony

Keynote Presentations



09:30–10:10

Title: 30,000 Nano Implants in Human with No Failures...And Still Counting

Thomas J. Webster

Hebei University of Technology, USA



10:10–10:50

Title: Uncertainty Operation and Planning Method of Distribution Cyber-Physical System under Low-carbon Era

Hanshen Li

Shanghai Jiao Tong University, China

Group Photo | Coffee Break 10:50-11:10@ Foyer

Oral Presentations

11:10–11:30

Title: Physicochemical and Fire-Resistant Properties of PalmBased Fire Retardant Composite

Junidah Lamaming

Universiti Malaysia Sarawak, Malaysia

11:30–11:50

Title: Fiber–Matrix Interactions in Agricultural Biomass Fiber Composites: Role of Bio-Based Polymer as Matrix Phase

Nurjannah Salim

Universiti Malaysia Pahang Al Sultan Abdullah, Malaysia

11:50–12:10

Title: Multi-density Foam-cell Headrest Design using Fast-Aggressive

Sungwook Cho

Kongju National University, South Korea

12:10–12:30

Title: Enhancing the Performance of Piecewise Integrated Composite Structures through Optimized Machine Learning Data Allocation

Seungmin Ji

Kongju National University, South Korea

12:30–12:50

Title: Deep-Learning-Based Prediction of Mechanical Properties of Woven Carbon Fiber Reinforced Plastic Considering Crimp Geometry and Weave Pattern

Seung ho Kwon

Kongju National University, South Korea

Lunch Break 12:50-13:40

13:40–14:00

Title: Microstructure and Mechanical Behavior of High-Entropy Alloy Processed by Cyclic Extrusion Compression Method

Marcin Madej

AGH University of Krakow, Poland

14:20–14:40

Title: Enhanced opto-chemical sensing of phenolphthalein using thermally stable au supported Titania-silica nanocomposites

Shumaila Islam, Adil Alshoaibi

King Faisal University, Saudi Arabia

14:40–15:00

Title: Phenolsulfonphthalein-Encapsulated Hierarchical Zincite Nanocomposite for Rapid and Stable Opto-Chemical pH Sensing

Nada Al Taisan

King Faisal University, Saudi Arabia

15:00–15:20

Title: Development of the Fe–Al Alloy Phase Equilibrium System and the Fe–Al–C Ternary System Using Thermo-Calc

Shohruh Rakhmataliev

University of Miskolc, Hungary

Break 15:20-15:30 @ Foyer

15:30–15:50

Title: Unsteady Electroosmotic Flow of Carreau Newtonian Fluids through a Cylindrical Tube

Neelima Ghiya

Birla Institute of Technology and Science, India

15:50–16:10

Title: Green Recycling of Aluminium Alloys: Microwave-Based Solid-State Technique for Composite Sheet Fabrication

Abhishek Maurya

Indian Institute of Technology, India

16:10–16:30

Title: Solid Waste Management in Climate Change Context: A Systemic Review of Developing Countries

Khadija Ouknine

Cadi Ayyad University, Morocco

16:30–16:50	Title: Adaptive Mechanisms of Argania spinosa under Harsh Environmental Conditions: A Mini-Review Dounia Azwaq Cadi Ayyad University, Morocco
16:50–17:10	Title: Enhancing Coal Fines through Innovative Sustainable Green Binders for Eco-Friendly Briquettes Tebogo Mashifana University of South Africa, South Africa
17:10–17:30	Title: E-BABE-Topology-Guided Structural Engineering and Hydrogenation Enhancement for a Dual-domain Metal Hydride Reactor Sinan Guan Northwest University, China
17:30–17:50	Title: Performance Enhancement of a Single-Phase Induction Motor Drive Using a Hybrid Multilevel Inverter with Model Predictive Universal Control Mohammed Bou-Rabee PAAET, Kuwait
17:50–18:20	Title: From Molecular Design to Mission Readiness: AI-Enhanced Polymers for Aerospace and Defense Lori D. Coombs Marymount University, USA

Keynote Presentation Slots are Available....

Oral Presentation Slots are Available....

Poster Presentation Slots are Available....

Panel Discussion & Certificate Felicitation
Day –1 Ends

Day 2

November 25, 2025
Prague, Czech Republic

Scientific Program

08:30–08:45: Registrations

08:45–09:00: Opening Ceremony

09:00–9:20	Title: Towards a Sustainable World Marta Balan Mt Battery Unity in Diversity Trust, Australia
09:20–9:40	Title: Aunified formula for the viscosity of polymer solution Ang-Yang Yu School of Chemistry & Chemical Engineering of Guangxi University, China
09:40–10:00	Title: Additive Engineering for Efficient and Stable Perovskite Solar Cells Teo Siow Hwa Universiti Malaysia Sabah, Malaysia
10:00–10:20	Title: Research on Microstructural and Compositional Changes in Degraded Perovskite Solar Cells Yung-kuan Tseng National Yunlin University of Science and Technology, Taiwan
10:20–10:40	Title: Human Resurrection using DNA and Biotech Albi Ndoni Alvin Community College, Aalbania
10:40–11:00	Title: Superior Electrochemical Water Splitting Achieved by Incorporating Molybdenum in Self-standing NiSe₂/CoSe₂ Heterostructures Priyanka Aggarwal Tantia University, India
11:00–11:20	Title: Complex Metal Ions Role to Enhancing Conversion and Storage of Solar Energy using Reductant and Photosensitizer Bijendra Singh Central University of Gujarat, India
11:20–11:40	Title: Comparative study of Photocatalytic active surface characteristics of Gold Copper oxide core shell nanostructures. Muhammad Ramzan The Islamia University of Bahawalpur, Pakistan
11:40–12:00	Title: Synthesis of Smart Phase-Engineered Polyurethane Coatings for Biomedical Applications Helma Vakili University of Tehran, Iran
12:00–12:30	Title: Crystallographic Transformations and Energy Storage and Dissipation in Thermomechanical Processes in Shape Memory Alloys Osman Adiguzel Firat University, Turkey

12:30–13:00	Title: Prospective Investigation of Metal-Oxide Nanofilms for High Performance Devices Paulo Cesar de Moraes Catholic University of Brasilia, Brazil
13:00–13:20	Title: Synthesis of biodegradable carboxymethylcellulose polymer hydrogels for water stress mitigation and controlled release of nitrogen and phosphate fertilizers. Livia Valentim Sanches Universidade Estadual Paulista, Brazil
13:20–13:40	Title: Industrial-scale PVC recycling Déborah Batista São Paulo State University, Brazil
13:40–14:00	Title: Microstructure and Mechanical Behavior of High-Entropy Alloy Processed by Cyclic Extrusion Compression Method Paulo Cesar de Moraes Catholic University of Brasilia, Brazil
14:00–14:20	Title: Analyzing Heat Transfer in Solar-Powered Ventilation to Enhance Energy Efficiency in Buildings Karla María Aguilar Castro, Carlos Enrique Torres Aguilar, Edgar Vicente Macias Melo Universidad Juárez Autónoma de Tabasco, Mexico

Keynote Presentation Slots are Available....

Oral Presentation Slots are Available....

Poster Presentation Slots are Available....

Panel Discussion