ISBB 2026 | Program at a Glance

27 November 2026

Time	Activity	Venue
13:00–18:00	Registration	Outside Z209
18:00–21:00	Welcome Reception	Harbour Plaza Metropolis Promenade Restaurant (都會海逸酒店西餐廳, 7 Metropolis Dr, Hung Hom, Kowloon)

ISBB 2026 | Program at a Glance

28 November 2026

Time	Activity	Venue
08:00–18:00	Registration	Outside Z209
08:30–09:00	Opening Ceremony and Group Photo	Z209
09:00–10:00	Plenary Session A	Z209
10:00–10:20	Coffee/tea break	Outside Z207
10:20–12:20	Plenary Session B	Z209
12:20–14:00	Lunch	U Garden (PolyU Staff Canteen)
14:00–15:40	Breakout Sessions (Keynote, Invited, Oral presentations)	All rooms
15:40–16:00	Coffee/tea break	Outside Z207
16:00–18:30	Breakout Sessions (see individual session end times)	All rooms
18:30–21:00	Conference Banquet, Banquet Keynote Talks	The Palace (煌府 6 Metropolis Dr, Hung Hom, Kowloon)
08:30–18:00	Posters	Z210 / Z212

Banquet Keynote: Giulia Pacchioni | Chief Editor, Nature Reviews Materials

An editor's insight on how to publish in Nature journals

ISBB 2026 | Program at a Glance

29 November 2026

Time	Activity	Venue
08:00–11:00	Registration	Outside Z209
08:30–10:00	Breakout Sessions (Keynote, Invited, Oral presentations)	All rooms
10:00–10:20	Coffee/tea break	Outside Z207
10:20–12:20	Breakout Sessions (Keynote, Invited, Oral presentations)	All rooms
12:30–14:00	Lunch	U Garden (PolyU Staff Canteen)
14:00–16:00	Plenary Session C and Closing Remarks	Z209
16:00–16:20	Coffee/tea break	Outside Z207
16:20–18:05	Session 5 continuation; conference ends after the final talk	Z209
08:30–16:00	Posters	Z210 / Z212

Session 1: Plenary | Room: Z209						
Date	**Time**	**Name**	**Affiliation**	**Type**	**Presentation Title**	**Min**
28 November 2026, 09:00–10:00						
28 Nov	09:00–09:30	Tao ZHANG	Dalian Institute of Chemical Physics, Chinese Academy of Sciences	Plenary	Valorization of lignocellulose to diols and N-containing compounds	30
28 Nov	09:30–10:00	Qilong REN	Zhejiang University	Plenary	Biomass Valorization: Integrated Separation, Chemical & Biological Conversion, and Functional Material Design	30
28 November 2026, 10:20–12:20						
28 Nov	10:20–10:50	Roger Ruan	University of Minnesota	Plenary	Microwave-Assisted Catalytic Conversion of Carbon-Rich Wastes and Bioresources into Fuels, Chemicals, and Carbon Materials	30
28 Nov	10:50–11:20	Philip G. Jessop	Queen's University	Plenary	LCA-Guided Research and Development of Biomass Conversion Processes	30

Session 1: Plenary | Room: Z209						
Date	**Time**	**Name**	**Affiliation**	**Type**	**Presentation Title**	**Min**
28 Nov	11:20–11:50	Xueqing QIU	Guangdong University of Technology	Plenary	Perspectives and Practices on the Development of Bioresource Chemical Engineering	30
28 Nov	11:50–12:20	Ning YAN	University of Toronto	Plenary	Biomass Utilization in the Era of Intelligent Materials	30
29 November 2026, 14:00–16:00						
29 Nov	14:00–14:30	Guoqing GUAN	Hirosaki University	Plenary	Development of heterostructured catalysts for pyrolysis bio-oil upgrading	30
29 Nov	14:30–15:00	Guanyi CHEN	Tianjin University of Commerce	Plenary	Research updates on organic kitchen wastes for energy and fertilizer/carbon resources	30
29 Nov	15:00–15:30	Paul STUART	Polytechnique Montreal	Plenary	From Case Studies to Investment Strategy: Where Large-Scale Biofuel Plants Should Be Built	30
29 Nov	15:30–16:00	Zhengxiao GUO	The University of Hong Kong	Plenary	Multiscale Catalysis from Fundamentals to Machine-Learning	30

Session 2: Bio and Molecular Catalysis (BMC) | Room: Z208						
Date	**Time**	**Name**	**Affiliation**	**Type**	**Presentation Title**	**Min**
28 November 2026, 14:00–15:40						
28 Nov	14:00–14:20	Jonathan WONG	Dongguan University of Technology, China	Keynote	Innovative Two Phase Anaerobic Digestion Process for Enhanced Biogas Production from Food Waste	20
28 Nov	14:20–14:40	Marcus ROSE	Technical University of Darmstadt, Germany	Keynote	Opportunities and Challenges of New Biobased Valued-Added Chains from Carbohydrates and Alcohols	20
28 Nov	14:40–15:00	Mingbo WU	Qingdao University of Science and Technology, China	Keynote	Thermal-catalytic CO2 Hydrogenation to Aromatics and Ethanol	20
28 Nov	15:00–15:20	Tau Chuan LING	Universiti Malaya, Malaysia	Keynote	Sustainable bacterial cellulose production through oxygen metabolism-guided microalgae–bacteria symbiosis for advanced energy-storage applications	20
28 Nov	15:20–15:40	Christophe LEN	PSL University, Chimie ParisTech, France	Keynote	Emerging Catalytic Strategies for Sustainable Biomass Conversion: Integrating Continuous Flow and Alternative Technologies	20
28 November 2026, 16:00–18:00						
28 Nov	16:00–16:15	Bishnu Acharya	University of Saskatchewan	Invited	Biocatalytic extraction of canola meal protein with enzyme catalysis for sustainable adhesive application	15
28 Nov	16:15–16:30	Jin-Hua Mou	Xiamen University	Invited	Sustainable Valorization of Organic Solid Waste into Valuable Products via Biochemical Pathways	15

Session 2: Bio and Molecular Catalysis (BMC) | Room: Z208						
Date	**Time**	**Name**	**Affiliation**	**Type**	**Presentation Title**	**Min**
28 Nov	16:30–16:45	Gaowen Liu	Shenzhen Institutes of Advanced Technology	Invited	From Enzyme Architecture to Circular Biomanufacturing: Toward Predictive Engineering of PHA Bioplastics	15
28 Nov	16:45–17:00	Yuanpeng Wang	College of Chemistry and Chemical Engineering, Xiamen University, Xiamen, China	Invited	Low-Carbon Full-Component Utilization of Waste Biomass	15
28 Nov	17:00–17:15	Lilong Zhang	Nanjing Tech University	Invited	Biomass Conversion over Single-Atom Catalysts within an In-situ Self-Hydrogen Generation System	15
28 Nov	17:15–17:25	Tobias Wittmann	Technical University Darmstadt	Invited	Selective Hydrogenolysis of Glucose with Supported Catalysts	10
28 Nov	17:25–17:35	Yuto Kato	Nagaoka University of Technology	Invited	Sulfur-Based Mixotrophic Denitrification under Marine RAS Conditions: Effects of C/N Ratio and Nitrogen Loading	10
28 Nov	17:35–17:45	Dayoung Ko	Ulsan National Institute of Science and Technology	Invited	Photosynthetic Conditioning of H2S-Containing Biogas by Microalgae- Bacteria Consortium: Performance and Microbial Responses	10
28 Nov	17:45–18:00	Baptiste Lafon	Chimie ParisTech	Invited	From molecular structure to 2.45 GHz: temperature-dependent dielectric relaxation of glycerol oligomers and polyethylene glycols	15

Session 3: Thermal and Catalytic Conversions (TCC) | Room: Z406						
Date	**Time**	**Name**	**Affiliation**	**Type**	**Title**	**Min**
28 November 2026, 14:00–15:40						
28 Nov	14:00–14:20	Keiichi TOMISHIGE	Tohoku University, Japan	Keynote	Heterogeneous catalysis of H2-driven deoxydehydration of polyols for selective hydrodeoxygenation	20
28 Nov	14:20–14:40	Su Shiung LAM	Universiti Malaysia Terengganu, Malaysia	Keynote	Electrified Thermal Conversion of Bioresources: Scaling Microwave-Assisted Pyrolysis for Low-Carbon Fuels and Bio-Carbon Materials	20
28 Nov	14:40–15:00	Kai YAN	Sun Yat-sen University, China	Keynote	Catalysis conversion of agricultural biomass into fine chemicals	20
28 Nov	15:00–15:20	Zhuohua SUN	Beijing Forestry University, China	Keynote	Catalytic Conversion of Biomass to Novel Platform Chemicals and Polymer Materials	20
28 Nov	15:20–15:40	Wenlong WANG	Shandong University, China	Keynote	Microwave Enhanced Thermal Treatment for Typical Solid Waste	20
28 November 2026, 16:00–18:30						
28 Nov	16:00–16:20	Young-Kwon PARK	The University of Seoul, Korea	Keynote	The role of catalyst for the effective thermocatalytic conversion of organic waste to useful fuel and chemicals	20
28 Nov	16:20–16:35	Ibrahim Hakeem	RMIT University, Melbourne, Australia	Invited	Advancing Circular Resource Recovery through Co-Pyrolysis of Biosolids and End-of-Life Wastes for Functional Biochar and Energy Production	15
28 Nov	16:35–16:50	Fang Lu	Dalian Institute of Chemical Physics, Chinese Academy of Sciences	Invited	Low-carbon catalytic conversion of biomass and plastics	15
28 Nov	16:50–17:05	Guowu Zhan	Huaqiao University	Invited	Biomass-Derived Hierarchically Structured Catalysts for Catalytic Pyrolysis of Greases to Value-Added Chemicals	15

Session 3: Thermal and Catalytic Conversions (TCC) | Room: Z406						
Date	**Time**	**Name**	**Affiliation**	**Type**	**Title**	**Min**
28 Nov	17:05–17:20	Chen QU	Advanced Institute of Materials Research (AIMR), Tohoku University	Invited	Catalytic conversion of woody biomass to valuable chemicals by microwave heating	15
28 Nov	17:20–17:35	Xiaowei Liu	School of Life and Health Sciences, Environmental Engineering, Hefei University	Invited	Source-dependent pyrolysis temperature optimization for sewage sludge biochar: balancing nutrient retention and heavy metal passivation	15
28 Nov	17:35–17:50	Dan Wu	School of Chemical Engineering, Zhengzhou University, China	Invited	Furfural Hydrogenation toward Pentanediols: Rational Catalyst Design for Selective Ring-Opening Hydrogenolysis	15
28 Nov	17:50–18:05	Weiran Yang	Nanchang University	Invited	Nickel-Catalyzed Reductive Carbonylation of Glycerol to Butyric Acids	15
28 Nov	18:05–18:20	Xuehui Li	South China University of Technology	Invited	Catalytic Selective Depolymerization of Biomass for the Production of Fine Chemicals	15
28 Nov	18:20–18:30	Dingran Wang	Zhejiang University	Invited	Non-destructive hydrophobic engineering of inverse catalysts for methanol synthesis from CO2	10
29 November 2026, 08:30–10:00						
29 Nov	08:30–08:45	Zhenlei Zhang	China University of Petroleum (Beijing)	Invited	Strategic Catalytic Approaches for the Selective Depolymerization and Targeted Defunctionalization of Lignin	15
29 Nov	08:45–09:00	Jing Liu	University of Alberta	Invited	From Phase Stability to Catalytic Co-Processing: Engineering Pyrolysis-Derived Bio-Oil Feedstocks	15
29 Nov	09:00–09:15	Bo Zhang	Dalian Institute of Chemical Physics, Chinese Academy of Sciences	Invited	Sustainable production of N-containing aromatics from lignin	15

Session 3: Thermal and Catalytic Conversions (TCC) | Room: Z406						
Date	**Time**	**Name**	**Affiliation**	**Type**	**Title**	**Min**
29 Nov	09:15–09:30	Dongfang Wang	Donghua University	Invited	Rapid drying of sewage sludge and industrial application	15
29 Nov	09:30–09:45	Chong Peng	Dalian University of Technology	Invited	Synthesis and Performance Study of Biomass Transfer Hydrogenation Catalysts	15
29 Nov	09:45–10:00	Yang Wang	China University of Petroleum (East China)	Invited	Thermal-catalytic conversion of CO2+H2 into valuable C2+ products via FeCo alloy carbide and γ-Al2O3	15
29 November 2026, 10:20–12:15						
29 Nov	10:20–10:35	Jing-ai Shao	Huazhong University of Science and Technology	Invited	Biomass Deoxygenation Pretreatment Coupled with Catalytic Pyrolysis for Aromatics Production	15
29 Nov	10:35–10:50	Nuttapat Thiensuwan	Department of Chemical Technology, Faculty of Science, Chulalongkorn University, Bangkok 10330, Thailand	Invited	From Exfoliated Layered Double Oxides to Multifunctional Ru-Supported Mixed Metal Oxide–Carbon Nanocomposites for Base-Free HMF Oxidation	15
29 Nov	10:50–11:05	Chawalit Ngamcharussrivichai	Center of Excellence in Catalysis for Bioenergy and Renewable Chemicals (CBRC), Faculty of Science, Chulalongkorn University, Pathumwan, Bangkok 10330 (Thailand)	Invited	Metal–Acid Cooperation for Selective Hydrodeoxygenation of Lignin-Derived Phenolic Compounds over RuNi/HAP and HZSM-5	15
29 Nov	11:05–11:20	Ibrahim Al Waili	Chemical and Environmental Engineering, School of Engineering, RMIT University, Melbourne, VIC 3001, Australia	Invited	Benchmarking the chemical vapour deposition of biogas over carbon, ash, and metal based catalysts	15

Session 3: Thermal and Catalytic Conversions (TCC) | Room: Z406						
Date	**Time**	**Name**	**Affiliation**	**Type**	**Title**	**Min**
29 Nov	11:20–11:35	Jiaxing Wang	Key Laboratory of Energy Thermal Conversion and Control of Ministry of Education, School of Energy and Environment, Southeast University, Nanjing, 210096 (China)	Invited	K2CO3-Catalyzed Staged Pyrolysis of Rice Husk: A Closed-Loop Biorefinery Strategy	15
29 Nov	11:35–11:50	Haneul Shim	Seoul National University	Invited	Catalytic Pyrolysis of Perilla Seed Cake over Zeolite catalysts for Aromatic Hydrocarbon Production	15
29 Nov	11:50–12:05	Qihui Song	State Key Laboratory of Clean Energy Utilization, Zhejiang University, Hangzhou 310027, PR China	Invited	Spatially separated and temporally decoupled reforming of tar over Ni/C and LaFe0.5Ni0.5O3 for flexible syngas production: unveiling the lattice-oxygen-mediated carbon storage and release	15
29 Nov	12:05–12:15	Keran Wang	State Key Laboratory of Clean Energy Utilization, Zhejiang University, Hangzhou 310027, China	Invited	Na-Promoted Spinel Fe–Co Catalysts for CO2 Hydrogenation to C5+ Liquid Hydrocarbons	10
29 November 2026, Time TBD						
29 Nov	TBD	Guoxing CHEN	National Institute of Clean and Low-Carbon Energy, Beijing, China	Keynote	Plasma-Based Solutions for Sustainable Resource Recovery and Energy Conversion	20

Session 4: Electro/Photo-Catalytic Conversions (EPCC) | Room: Z409						
Date	**Time**	**Name**	**Affiliation**	**Type**	**Presentation Title**	**Min**
28 November 2026, 14:00–15:40						
28 Nov	14:00–14:20	Ye WANG	Xiamen University, China	Keynote	Photocatalysis for Biomass Valorization	20
28 Nov	14:20–14:40	Haohong DUAN	Tsinghua University, China	Keynote	Electrocatalysis for value-added chemicals synthesis	20
28 Nov	14:40–15:00	Ning YAN	National University of Singapore, Singapore	Keynote	Photocatalytic Conversion of Waste Biomass and Plastics	20
28 Nov	15:00–15:20	Yongfa ZHU	Tsinghua University	Keynote	Hydrogen Production and High-Value Conversion of CO2 Driven by Solar	20
28 Nov	15:20–15:40	Zhiguo ZHANG	Zhejiang University, China	Keynote	Light Driven Organic Synthesis (LDOS): Oxidation with Molecular Oxygen	20
28 November 2026, 16:00–18:30						
28 Nov	16:00–16:15	Yingchuan Zhang	Department of Chemistry, The University of Hong Kong	Invited	Manipulating Hydrogen Chemistry in Photocatalytic Biomass Valorisation	15
28 Nov	16:15–16:30	Kai Lin	Fuzhou University	Invited	Photoreforming of glucose for H2 production using carbon-doped carbon nitride	15
28 Nov	16:30–16:45	Yuliang Li	Chang'an University, Xi'an	Invited	Ti-Oxo-Cluster-Derived Rod-Like C-TiO2 Heterojunction For Enhanced Selective Photocleavage Of Lignin Cβ-O Bond	15

Session 4: Electro/Photo-Catalytic Conversions (EPCC) | Room: Z409						
Date	**Time**	**Name**	**Affiliation**	**Type**	**Presentation Title**	**Min**
28 Nov	16:45–17:00	Xuliang Lin	Guangdong University of Technology	Invited	Fundamental and Applied Research on Lignin-Derived Carbon-Based Catalytic Materials	15
28 Nov	17:00–17:15	Yuchen Bai	Beijing technology and business university	Invited	Lignin valorization through electricity cogeneration and structure-guided synthesis of phenolic antioxidants	15
28 Nov	17:15–17:30	kartick Chandra Majhi	School of Energy and Environment and State Key Laboratory of Marine Environmental Health, City University of Hong Kong, Kowloon Tong, Hong Kong SAR	Invited	Cascade Electro-Upcycling of Nitrate to Ammonia Enabled by Composition-Tuned Co–Cu Nanosheets	15
28 Nov	17:30–17:45	Shengqin LIU	School of Energy and Environment, City University of Hong Kong, Hong Kong SAR, China	Invited	Electrocatalytic One-pot Synthesis of Gamma-Butyrolactone from Biomass-derived Furfural	15
28 Nov	17:45–18:00	Yali Liu	Nanjing Forestry University	Invited	High-Index Facet-Enhanced S-Scheme g-C3N5Bi3O4Cl Heterojunction for Efficient and Low-Toxicity Photodegradation of Tetracycline	15
28 Nov	18:00–18:15	Wei Ji	School of Energy and Environment, Southeast University, Nanjing	Invited	Cysteine-Programmed Nickel Hydroxide Interfaces Enable High-Rate Electrochemical Valorization of Biomass-Derived HMF to FDCA	15

Session 4: Electro/Photo-Catalytic Conversions (EPCC) | Room: Z409						
Date	**Time**	**Name**	**Affiliation**	**Type**	**Presentation Title**	**Min**
28 Nov	18:15–18:30	Zhantao Song	Huazhong university of science and technology	Invited	Ni–MnOx interfaces couple CO2 activation and hydrogen supply for photothermal methanation	15
29 November 2026, 08:30–10:00						
29 Nov	08:30–08:45	Sijie Zhong	Southeast University	Invited	Electrocatalytic Valorization of Biomass-Derived HMF over Interface-Engineered FeOOH@Co-MOF Electrocatalysts	15
29 Nov	08:45–09:00	Shiyu ZHANG	School of Energy and Environment and State Key Laboratory of Marine Environmental Health, City University of Hong Kong, Hong Kong 999077, China	Invited	Molecule-Copper Interface for Efficient Electrochemical CO2-to-Ethylene in Acidic Media	15
29 Nov	09:00–09:15	Rahul Ghosh	Environmental Engineering, School of Infrastructure, Indian Institute of Technology Bhubaneswar, Odisha 752 050, India.	Invited	Influence of Catholyte pH and Applied Cathode Potential on CO2-to-Organic Acid Conversion via Microbial Electrosynthesis	15

Session 4: Electro/Photo-Catalytic Conversions (EPCC) | Room: Z409						
Date	**Time**	**Name**	**Affiliation**	**Type**	**Presentation Title**	**Min**
29 Nov	09:15–09:30	Yueting Wu	Department of Civil and Environmental Engineering, The Hong Kong University of Science and Technology, Clear Water Bay, Hong Kong, China	Invited	Pulsed Electroreduction of Biorefinery Oxygenates on Copper-Biochar Cathodes	15
29 Nov	09:30–09:45	Xiaoqian HAN	Department of Civil and Environmental Engineering, The Hong Kong University of Science and Technology, Clear Water Bay, Hong Kong, China	Invited	Defect-Associated Carbon Structure Regulating HMF Electroreduction on Biochar Electrodes	15
29 Nov	09:45–10:00	HUANG Jieming	City University of Hong Kong	Invited	Paired Electrolysis Enhancing Biomass Conversion into Highly Value-Added Chemicals	15
29 November 2026, 10:20–11:05						
29 Nov	10:20–10:35	Dingfu Wang	Sichuan University	Invited	Tandem Catalysis Enables High-Rate Nitrate Electroreduction	15
29 Nov	10:35–10:50	Chang TAN	City University of Hong Kong, Hong Kong	Invited	Novel Biorefinery (Electrochemical CO2-to-CO via enriched oxygen vacancies at gold/ceria interfaces)	15
29 Nov	10:50–11:05	Zhuzhu Zhang	Southeast University	Invited	Bias-free photoelectrochemical valorization of glycerol to glyceraldehyde at both electrodes	15

Session 5: Biomass Pretreatment and Bio-based Materials (BPBM) | Room: Z209						
Date	**Time**	**Name**	**Affiliation**	**Type**	**Presentation Title**	**Min**
28 November 2026, 14:00–15:40						
28 Nov	14:00–14:20	Xuejun PAN	University of Wisconsin-Madison, USA	Keynote	Transforming lignocellulosic biomass with molten salt hydrates: from deconstruction to high-value products	20
28 Nov	14:20–14:40	Sunkyu PARK	North Carolina State University, USA	Keynote	Sustainable aviation fuel (SAF) production from waste biomass	20
28 Nov	14:40–15:00	Richard Lee Smith, Jr.	Tohoku University, Japan	Keynote	Solvent Effects in Biomass Valorization: From CO2 Systems to MixedSolvent Catalysis	20
28 Nov	15:00–15:20	Xuebing ZHAO	Tsinghua University, China	Keynote	Boosting biomass deconstruction and biorefining by multidisciplinary approaches	20
28 Nov	15:20–15:40	Sang-Hyoun KIM	Yonsei University, South Korea	Keynote	Deep Eutectic Solvent-Assisted Pretreatment for Enhanced Anaerobic Digestion	20
28 November 2026, 16:00–18:20						
28 Nov	16:00–16:20	Xuejun ZOU	Shandong Huatai Paper, China (Formerly FPInnovations, Canada)	Keynote	The Future of Large-scale Chemical Pulp Mills: Forest Biomass-based Biorefinery – Green Manufacturing of Bioproducts and Novel Biomaterials	20
28 Nov	16:20–16:35	Yi Zheng	Shanghai Jiao Tong University	Invited	Upcycling lignin to triboelectric materials for personal health monitoring	15
28 Nov	16:35–16:50	Tao Shui	Southeast University, School of Materials Science and Engineering	Invited	Multiscale Functionalization of the Structural Value of Fast-Growing Woody Resources	15

Session 5: Biomass Pretreatment and Bio-based Materials (BPBM) | Room: Z209						
Date	**Time**	**Name**	**Affiliation**	**Type**	**Presentation Title**	**Min**
28 Nov	16:50–17:05	Wei Liu	Tianjin University of Science and Technology	Invited	Cellulose-Based Composite Functional Materials: Construction and Energy Storage Applications	15
28 Nov	17:05–17:20	Dan Kai	Institute of Materials Research and Engineering (IMRE), Agency for Science, Technology and Research (A*STAR)	Invited	Sustainable & Functional Materials from Lignocellulosic Biomass	15
28 Nov	17:20–17:35	Minhua Su	Guangzhou University	Invited	A highly efficient bio-based adsorbent for selective recovery of Ni, Co, and Li from spent lithium-ion batteries	15
28 Nov	17:35–17:50	Jinfeng Tang	Guangzhou University	Invited	Facile preparation of three-dimensional macroporous network-structured modified wood flour for efficient Pb(II) removal from aqueous solution: Mechanism and economic assessment	15
28 Nov	17:50–18:05	Zhicheng Jiang	Sichuan University	Invited	Self-assembly of Lignin and the Applications of Lignin Nanoparticles	15
28 Nov	18:05–18:20	Shuaiming He	College of Materials and Energy, Central South University of Forestry and Technology	Invited	High-Performance Wood-Based Radiative Coolers: Engineering Hierarchical Structures for Enhanced Passive Cooling	15
29 November 2026, 08:30–09:50						
29 Nov	08:30–08:50	Xianhai ZENG	Xiamen University, China	Keynote	Biomass fractionation and downstream conversion to high-valued chemicals	20

Session 5: Biomass Pretreatment and Bio-based Materials (BPBM) | Room: Z209						
Date	**Time**	**Name**	**Affiliation**	**Type**	**Presentation Title**	**Min**
29 Nov	08:50–09:05	Yogesh Kumar Murugesan	National Institute of Technology Calicut	Invited	Synthesis of Calcite-Mineralised Cellulose via In Situ Carbonation for Interface-Strengthened Composite Reinforcement	15
29 Nov	09:05–09:20	Lei Wang	Westlake University	Invited	From lignin waste to plant growth regulators	15
29 Nov	09:20–09:35	Debashish Panda	Chemical Engineering Department, National Institute of Technology Calicut, Kozhikode, Kerala 673601, India	Invited	Lignin-Based Hydrogel Production from Mixed Biomass	15
29 Nov	09:35–09:50	Sinyee Gan	Dongguan University of Technology	Invited	Nanocellulose-based packaging materials: Unlocking a sustainable path beyond microplastics	15
29 November 2026, 10:20–12:20						
29 Nov	10:20–10:35	Dong Yu Zhu	Guangdong University of Technology	Invited	Lignin-Based Millimeter-Scale Self-Healing Biomass Materials for Artificial Muscles and Flexible Sensors	15
29 Nov	10:35–10:50	DAN LI	Beijing University of Technology	Invited	Interface Regulation and Energy Storage Mechanism of ligninocellulose-Based High-Entropy Oxide Composite Electrodes	15
29 Nov	10:50–11:05	Dong Wang	Fujian Agriculture and Forestry University	Invited	Modulating pore structure of cellulose-based nanofiltration membrane through solid phase keratinization of cellulose for highly efficient dye/salt separation	15

Session 5: Biomass Pretreatment and Bio-based Materials (BPBM) | Room: Z209						
Date	**Time**	**Name**	**Affiliation**	**Type**	**Presentation Title**	**Min**
29 Nov	11:05–11:20	Xiaoqian Zhang	Wuyi University	Invited	Cellulose-Based Conductive Hydrogel and Its Application in Flexible Strain Sensors	15
29 Nov	11:20–11:35	Alsha Subash	Deakin University Australia & Defence Institute of Advanced Technology (DU) India	Invited	Experimental and Machine Learning Investigation of Poly-ε-caprolactone-MXene Composites for Methylene Blue Capture	15
29 Nov	11:35–11:50	Shunxi Song	College of Bioresources Chemical and Materials Engineering, Shaanxi University of Science & Technology, Xi'an 710021 (China)	Invited	Mechanochemical Self-assembly of PCC/CNF Composites: Formation Mechanism and Tunable Morphologies for Sustainable Paper Engineering	15
29 Nov	11:50–12:05	Zi-Hao Qin	College of Energy, Xiamen University, Xiamen 361102, PR China	Invited	Biorefinery Strategies for Sustainable Bio-based Polyurethanes	15
29 Nov	12:05–12:20	Tan Hua Tiang	Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences	Invited	Rational Chimerization of PHA Synthases for Enhanced Poly(3- hydroxybutyrate-co-3-hydroxyhexanoate) Copolymerization and Controlled Granule Morphology	15

Session 5: Biomass Pretreatment and Bio-based Materials (BPBM) | Room: Z209						
Date	**Time**	**Name**	**Affiliation**	**Type**	**Presentation Title**	**Min**
29 November 2026, 16:20–18:05						
29 Nov	16:20–16:35	Bin Yang	Shaanxi University of Science & Technology	Invited	Transparent Cellulose Nanofiber (CNF) nanopaper with excellent wet tensile strength and UV-blocking property fabricated via layer-by-layer (LBL) assembly of aramid nanofiber (ANF)	15
29 Nov	16:35–16:50	Liheng Chen	Guangdong University of Technology	Invited	Molecular Simulation for Biomass Pretreatment and Functional Lignin Material Design	15
29 Nov	16:50–17:05	Shaoqing Cui	Zhejiang University	Invited	Sustainable green bio-polycarbonates from bio-based feedstocks and CO2 toward carbon-neutral goals	15
29 Nov	17:05–17:20	Changwei Hu	Sichuan University	Invited	Organo-water cosolvent pretreatment of biomass for enzyme hydrolysis	15
29 Nov	17:20–17:35	Wang Qinhua	Anhui Agricultural University	Invited	Lignin-Driven Morphological Reconstruction of Polymers for Constructing High-Strength Hydrogels and Multiscale Reinforcement Mechanisms	15
29 Nov	17:35–17:50	Weifeng Liu	School of Chemistry and Chemical Engineering, South China University of Technology	Invited	Valorization of Phenolized Lignin in High-Performance Polyurethane Materials	15
29 Nov	17:50–18:05	Guihua Yang	State Key Laboratory of Green Papermaking and Resource Recycling, Qilu University of Technology (Shandong Academy of Sciences)	Invited	Stabilizing CuS-Nanoparticles Carboxymethyl Cellulose Based Photothermal Composite Films for Hydrophobicity and Antibacterial Activity	15

Session 6: Sustainable Aviation Fuels (SAF) | Room: Z204						
Date	**Time**	**Name**	**Affiliation**	**Type**	**Presentation Title**	**Min**
28 November 2026, 14:00–15:40						
28 Nov	14:00–14:20	Karen Wilson	Griffith University, Australia	Keynote	Catalyst Design for Sustainable Manufacturing	20
28 Nov	14:20–14:40	Shusheng PANG	University of Canterbury, New Zealand	Keynote	Thermochemical Conversion of Biomass to Hydrogen and Aviation Fuel: Challenges and Advances	20
28 Nov	14:40–15:00	Longlong MA	Southeast University, China	Keynote	Sustainable Bio-Jet Fuel from Lignocellulosic Biomass	20
28 Nov	15:00–15:20	Louise Olsson	Chalmers University of Technology, Sweden	Keynote	Heterogeneous Catalysis for Sustainable Biofuel Production	20
28 Nov	15:20–15:40	Jie FU	Zhejiang University, China	Keynote	Selective Catalytic Deoxygenation of Lipids	20
28 November 2026, 16:00–18:00						
28 Nov	16:00–16:10	Renfeng Nie	Zhengzhou University	Invited	Hydrodeoxygenation Catalysts for SAF Production: Structural Design and Performance Regulation	10
28 Nov	16:10–16:20	Peng Gao	Shanghai Advanced Research Institute, Chinese Academy of Sciences	Invited	CO/CO2 hydrogenation to sustainable aviation fuel	10
28 Nov	16:20–16:30	Chen Lei	Zhejiang University	Invited	From Interfacial Transport to Reactor Engineering: Electrochemical Carbon Conversion for Power-to-Liquid Sustainable Aviation Fuel	10

Session 6: Sustainable Aviation Fuels (SAF) | Room: Z204						
Date	**Time**	**Name**	**Affiliation**	**Type**	**Presentation Title**	**Min**
28 Nov	16:30–16:45	Changzhi Li	State Key Laboratory of Non-Food Biomass Energy Technology, Guangxi State Farm Mingyang Biochemical Co., Ltd.	Invited	Sulfide-catalyzed HDO of lignin into aviation kerosene-range naphthenes and aromatics	15
28 Nov	16:45–17:00	Honglei Zhang	The University of Nottingham Ningbo China	Invited	Low-carbon conversion of multi-source biomass into Sustainable Aviation Fuel (SAF)	15
28 Nov	17:00–17:15	Ying Xu	Huaqiao University	Invited	Sustainable Aviation Fuel: Production Technologies and Applications- A Comprehensive Review from Feedstock to Certification	15
28 Nov	17:15–17:30	Yanran Cui	National Key Laboratory of Biobased Transportation Fuel Technology, Zhejiang University	Invited	Multifunctional Catalyst Design Strategies for the Alcohol-to-Jet Technology through C3+ Olefins	15
28 Nov	17:30–17:40	Liu Danni	Tianjin University, Tianjin	Invited	Atmosphere-Responsive NbOPO4-Encapsulated PtRu Bimetallic Catalyst for Tandem Conversion of Lignin-Derived Aromatics to High-Density Aviation Fuels	10
28 Nov	17:40–17:50	Yingying CHEN	Zhejiang University	Invited	Catalytic Upcycling of Polyolefin Waste to Light Olefins: Toward Sustainable Aviation Fuel	10
28 Nov	17:50–18:00	Bingqing WEI	Zhejiang University	Invited	Inverse Catalysts for Low-Temperature Dry Reforming of Methane: A Key Step Toward Sustainable Aviation Fuel	10

Session 7: Biomass Metallurgy Session (BMS) | Room: Z405						
Date	**Time**	**Name**	**Affiliation**	**Type**	**Presentation Title**	**Min**
28 November 2026, 14:00–15:40						
28 Nov	14:00–14:20	Johannes Schenk	University of Leoben, Austria	Keynote	CO2-free Crude Steel Production with Hydrogen	20
28 Nov	14:20–14:40	Runsheng XU	University of Science and Technology Beijing, China	Keynote	Progress of Biomass waste pretreatment technology and utilization in ironmaking process	20
28 Nov	14:40–15:00	Rufei WEI	Anhui University of Technology, China	Keynote	Problems and Right ways for Direct Injection of Biomass into Blast Furnace	20
28 Nov	15:00–15:15	Xiaotian Hu	University of Science and Technology Beijing	Invited	Numerical study on smelting behavior of Arundo donax injection in tuyere raceway of blast furnace	15
28 Nov	15:15–15:30	xiaoxia he	University of Science and Technology Beijing	Invited	Flow Characteristics and Transport Mechanism of Biomass Char Particles for Blast Furnace Injection during Storage and Injection Processes	15
28 Nov	15:30–15:40	Junjie Shi	University of Science and Technology Beijing	Invited	Optimal Low-Pressure Window for Steam Carbonization of Giant Reed (Arundo donax) as a Blast Furnace Injection Fuel: Coupled Effects of Pressure, Holding Time and Solid-to-Steam Ratio	10

Session 8: Hydrothermal Conversion Technologies (HCT) | Room: Z407						
Date	**Time**	**Name**	**Affiliation**	**Type**	**Presentation Title**	**Min**
28 November 2026, 14:00–15:35						
28 Nov	14:00–14:20	Shicheng ZHANG	Fudan University, China	Keynote	Solvothermal Conversion of Organic Wastes for Sustainable Resource Recovery and Pollution Control	20
28 Nov	14:20–14:40	Hengfu SHUI	Anhui University of Technology, China	Keynote	Synergistic Effect of coal and biomass in co-thermal dissolution and co-liquefaction	20
28 Nov	14:40–15:00	Zhidan LIU	China Agricultural University, China	Keynote	Hydrothermal technology and sustainable Food-Energy-Water nexus	20
28 Nov	15:00–15:20	Donghai XU	Xi'an Jiaotong University, China	Keynote	Catalytic upgrading of biocrude derived from wet biomass hydrothermal liquefaction (Tentative Title)	20
28 Nov	15:20–15:35	Cui Wang	Chang'an University	Invited	Physics-informed spatiotemporal prediction of multiphase flow fields in biomass supercritical water gasification	15
28 November 2026, 16:00–17:45						
28 Nov	16:00–16:15	Hugang Li	Taiyuan University of Technology	Invited	Upcycling coal gangue and biomass into a silicon- and humic-rich soil amendment via hydrothermal humification	15

Session 8: Hydrothermal Conversion Technologies (HCT) | Room: Z407						
Date	**Time**	**Name**	**Affiliation**	**Type**	**Presentation Title**	**Min**
28 Nov	16:15–16:30	Guanyu Jiang	Xi'an Jiaotong University	Invited	Nucleation of Na2SO4 salt and deposit-induced corrosion during supercritical hydrothermal conversion of municipal sludge	15
28 Nov	16:30–16:45	Xin Ding	Northwest University	Invited	Research into the energy conversion and high-value utilisation of biomass	15
28 Nov	16:45–17:00	Jincheng Chen	School of Energy and Environment, Southeast University	Invited	Hydrothermal carbonization of alcohol industry residues: More understandings from solid biofuel characteristics	15
28 Nov	17:00–17:15	zheng wang	Shandong University	Invited	Microwave Assisted High Entropy Oxide Catalysis for CO2 Tar Reforming: Insights into Energy and Reaction Synergy	15
28 Nov	17:15–17:30	Enkang FU	The Hong Kong Polytechnic University	Invited	Morphology Engineering for Durable Redox Flow Battery Electrodes	15
28 Nov	17:30–17:45	Zifan Wu	China University of Petroleum (East China)	Invited	Synergistic Effect of Ni Nanoparticles and MoOx Species for Efficient Hydrodeoxygenation of Lignin into aviation fuel-range cycloalkanes	15

Session 9: The 14th World Bioenergy Symposium (WBS) | Room: Z206						
Date	**Time**	**Name**	**Affiliation**	**Type**	**Presentation Title**	**Min**
28 November 2026, 14:00–15:40						
28 Nov	14:00–14:20	Weizhong QIAN	Tsinghua University, China	Keynote	One Step Syngas to Olefins with High Hydrogen Atom Economy	20
28 Nov	14:20–14:40	Lasse Rosendahl	Aarhus University, Denmark	Keynote	In a sustainable future there is only one source of carbon - atmospheric CO2	20
28 Nov	14:40–15:00	Rui XIAO	Southeast University, China	Keynote	Directional Thermal Conversion of Biomass	20
28 Nov	15:00–15:20	Shurong WANG	Zhejiang University / Shenyang University of Chemical Technology, China	Keynote	Thermochemical Conversion of Biomass and Organic Solid Wastes	20
28 Nov	15:20–15:40	Haiping YANG	Huazhong University of Science and Technology, China	Keynote	Green Synthesis and Directional Regulation of High-Value Biochar Materials	20
28 November 2026, 16:00–18:00						
28 Nov	16:00–16:20	Magdy Mileni Echeverría Guadalupe	Escuela Superior Politécnica de Chimborazo (ESPOCH), Ecuador	Keynote	Phytoremediation and Eco-Biotechnology for Heavy Metal Decontamination and Ecological Risk Mitigation in High-Andean Soils	20

Session 9: The 14th World Bioenergy Symposium (WBS) | Room: Z206						
Date	**Time**	**Name**	**Affiliation**	**Type**	**Presentation Title**	**Min**
28 Nov	16:20–16:40	Raul Juan Sabadí Díaz	Cuban Research Institute for Sugar Cane Derivatives, Cuba	Keynote	Bioenergy parks as integrated biorefineries: technological foundations and perspectives for the Cuban sugarcane agroindustry	20
28 Nov	16:40–17:00	Maria Valnice Boldrin	São Paulo State University (UNESP), Brazil	Keynote	Lighting the Path to Sustainable Energy through Photoelectrocatalytic Innovation	20
28 Nov	17:00–17:20	Joney Jiang	Envision Energy	Keynote	Integrated Refining of Biomass, Renewable Power and Green Hydrogen: Pathways to Next-Generation Sustainable Fuels	20
28 Nov	17:20–17:30	Guandong Su	Dalian University of Technology	Invited	An Integrated Waste Co-Fermentation Cascade for Sustainable Biobutanol Production	10
28 Nov	17:30–17:45	Nadeem Tahir	Henan Agricultural University	Invited	Nitrogen Co-Doped Co-Fe Biochar as an Interfacial Electron Mediator: Redox Microenvironment Regulation Drives Metabolic Redirection for Enhanced Photo-Fermentative Hydrogen Production	15
28 Nov	17:45–18:00	Zhen Chen	Tsinghua University	Invited	Metabolic engineering of microbes for sustainable production of diols and diamines	15

Poster Session

Poster size: A1 (59.4 × 84.1 cm / 23.4 × 33.1 in) or smaller.
All posters will be judged by professors/experts during the Conference and 10 Poster Awards will be offered, each with a certificate and cash prize of HK$1000 or more.
You can set up your poster after 18:00 Nov 27.
Please collect your poster before 16:00 on Nov. 29 if you want to keep it, as all posters will be removed at 16:00–17:00 Nov. 29.

Day 1: 28 Nov, 08:30–18:00 | Day 2: 29 Nov, 08:30–16:00			
No.	**Name**	**Affiliation**	**Presentation Title**
1	Yong Jun Choi	School of Environmental Engineering, University of Seoul, Seoul, Republic of Korea	Systems metabolic engineering of Methylotuvimicrobium sp. for the production of squalene from methane
2	Junbo Li	School of Life Sciences, Henan University, Zhengzhou 450046, Henan, China	Microbial Protein Production from Lignocellulosic Biomass via Solid-State Fermentation: A Cross-Scale Framework for Pretreatment, Synthetic Microbiomes, and Modular Scale-Out
3	Alok Kumar	Centre for Rural Development and Technology, Indian Institute of Technology, Delhi, 110016 (India)	Wastewater as a Resource: Building Zero-Waste Biorefinery with Oxygenic Photogranules
4	Zhiyuan Xu	School of Chemical Engineering, Zhengzhou University, Zhengzhou, China	La2CuO4 decorated inverse-phase Cu catalyst for highly selective ring- opening hydrogenolysis of furfuryl alcohol to 1,2-pentanediol
5	Romain TORLOTIN	Chimie Paristech	Ionic conduction turns choline chloride deep eutectic solvents into high-loss media for fast 2.45 GHz microwave heating
6	Qiujie Yang	University of Science and Technology Beijing	Biochar for Blast Furnace Injection: Depolymerization–Condensation Pathways of the Three Major Biomass Components during Steam Upgrading
7	Shuobo Shi	Beijing University of Chemical Technology	Development of an endogenous 3-hydroxypropionic acid biosensor for high-throughput screening of non-intuitive targets in S. cerevisiae
8	Meiling Yang	Shandong University of Science and Technology	A DFT Investigation of Selective Oxygen Transfer Mechanism of Ce-Modified Fe-Based Oxygen Carriers during Bio-oil Upgrading
9	De Gao	Beijing Forestry University	Copper-cobalt bimetallic oxide catalysts promote the upgrading of lower alcohols from biomass to higher alcohols
10	Shuangxin Dou	Beijing Forestry University	Tunable Raney-Type HEAs for Chemoselective Biomass Valorization

Day 1: 28 Nov, 08:30–18:00 | Day 2: 29 Nov, 08:30–16:00			
No.	**Name**	**Affiliation**	**Presentation Title**
11	Ruonan Dong	Beijing Forestry University	Coffee Waste-Derived Carbon Anchored Atomically Dispersed Pd Sites and Nanoparticles for Synergistic Catalysis of Vanillin Reductive Amination
12	Huishuang Di	Shenyang University of Chemical Technology	From Solid Phase Functional Groups to Gas Phase Products: Research on the Mechanism of Calcium-Based Additives in Improving the Efficient and Clean Combustion of Coal
13	Sejin Hwang	University of Seoul	Production of Jet-Fuel-Range Hydrocarbons from Biomass via Catalytic Pyrolysis over Hierarchical HZSM-5
14	Zhao Xinru	Zhengzhou University	Highly efficient and durable Ga-doped Ni/Al2O3 catalyst enhanced by interfacial Ga3+ for low-temperature ammonia decomposition
15	Yuwen CHEN	City University of Hong Kong	Bifunctional WOx/TiO2 for One-Pot C-C Coupling of 1,2-Pentanediol via Dehydration-Aldol Condensation
16	Longyao Li	Sichuan University	Silanol-Nest Regulated Cu−O Coordination and Electronic Structure for Enhanced Furfural Hydrogenation to Furfuryl Alcohol
17	Yibin Zhang	Zhejiang Key Laboratory of Low-Carbon Synthesis of Value-Added Chemicals, Department of Chemistry, Zhejiang University, Hangzhou, 310058 (China)	Novel Biorefinery (Synthesis of Plate-like Mg8Sc2(OH)20CO3 Layered Double Hydroxide and its Derived Catalyst for Upcycling Waste PET)
18	Bin Chen	Huaqiao University	Upgrading Crude Glycerol and Waste Grease to Aromatics via Synergistic Olefin-Aldehyde Coupling
19	LIAO Yuhan	City University of Hong Kong	Efficient Aqueous Phase Reforming of Ethanol over an LDH-Derived NiCoAl Catalyst: Toward Complete Carbon Gasification
20	Zejun Luo	The Hong Kong Polytechnic University	Overcoming limitations in polyolefins upcycling by codesigning an endothermic–exothermic magnetocatalytic system
21	Zhenggang Liu	Dalian Institute of Chemical Physics, Chinese Academy of Sciences	Novel Biorefinery (Chemical process reengineering for carbon abatement in cement production)
22	Chaojie Cui	Tsinghua University	Carbon Nanotube-Reinforced CO2 Conversion

Day 1: 28 Nov, 08:30–18:00 | Day 2: 29 Nov, 08:30–16:00			
No.	**Name**	**Affiliation**	**Presentation Title**
23	Libin Liu	Zhejiang University	Overcoming Site Blocking through MoOx Modification for Efficient Continuous Aqueous-Phase Hydrogenation-Rearrangement of Furfural
24	Liya Jiang	Zhejiang University	Switching HMF Oxidation Selectivity from FDCA to HMFCA via Carbon-Induced Constructing Strong Metal-Support Interaction between Gold Nanoparticles and Al2O3
25	Yafei Liu	School of Chemical Engineering, Zhengzhou University, Zhengzhou, China	Substrate-induced formation of Cu^{+}–O_v–Zn interfacial active sites for highly selective hydrodeoxygenation of furfural to 2-methylfuran
26	Shengqi Liao	Sichuan University	Chemoselectivity Control of Carbohydrates Hydrogenation via Microstructural Engineering of NiSn/SiO2 Catalysts
27	Chanoknun Kalvibool	Department of Chemical Technology, Faculty of Science, Chulalongkorn University, Bangkok 10330, Thailand	Sustainable Glycerol Valorization to 1-Propanol over HUSY Zeolite-Supported Iridium and Rhenium Oxides
28	Yongjian Zeng	Sun Yat-sen University	Electronic Structure Modulation of Alloy Catalysts Enables Efficient and Selective Conversion of Biomass Platform Molecules
29	SUN Hai-yu	College of Engineering, China Agricultural University	Feasibility of Green Methanol Production from Cotton Straw Pyrolysis: A Life Cycle Assessment and Economic Analysis
30	XU Jintao	City University of Hong Kong	Selective light olefin production from polyethylene via electrified interfacial catalytic pyrolysis
31	Linfei Zhou	School of Energy and Environment, Southeast University	Phosphoric Acid and Zr Synergistically Tune the Acidic Architecture of Beta Zeolite to Enable Efficient One-Step Lactide Synthesis from Lactic Acid
32	Chao Juan	Sichuan University	Reconciling 5-Hydroxymethylfurfural and Hydroxyl Adsorption on Ni-Based Catalysts via Mo-Derived Electronic Modulation toward High-Efficiency 2,5-Furandicarboxylic Acid Synthesis
33	zhong dian	huazhong university of science and technology	Porous modified Ni/CeO2 nanoparticles for efficient photothermal catalytic solar-driven gasification of biomass

Day 1: 28 Nov, 08:30–18:00 | Day 2: 29 Nov, 08:30–16:00			
No.	**Name**	**Affiliation**	**Presentation Title**
34	Qi Zhu	City University of Hong Kong	The Dual Role of tert-Butanol Towards Highly Selective Electrocatalytic Oxidative Cleavage of Lignin Linkages to Aromatic Aldehydes
35	Se-Hyeon Park	Jeonbuk National University, Republic of Korea	Electrochemical Oxidation of Florfenicol and Sulfamethoxazole in Livestock Manure Wastewater
36	LI Jiayu	Zhengzhou University	Polypyrrole Crosslinked Network Evolution on MnFeP Nanocrystal Superlattices Enables Tailored Interfacial Hydrogen Evolution.
37	CHEN Kaihuang	Department of Civil and Environmental Engineering, The Hong Kong Polytechnic University, Hung Hom, Kowloon, Hong Kong SAR, China	Beyond Carbon-Chain Growth: Electroreductive Furfural Coupling and Hydrodeoxygenation toward Aviation Fuel Blendstocks
38	Xinfei Chen	Guangzhou Institute of Energy Conversion, Chinese Academy of Sciences	High-Entropy CuCrFeMnZnOx Spinel Oxide for Efficient Photothermal Methanol Steam Reforming toward Hydrogen Production
39	Pooja Saikia	City University of Hong Kong, Hong Kong	Selective Extraction of Cobalt over Nickel from Spent Lithium-Ion Battery Black Mass via Chloride-Mediated Electrochemical Technique
40	Jaydeep Kanungo	City University of Hong Kong, Hong Kong	Synergistic MoS_2-Biopolymer Interfaces Enabling Sustainable Ammonia Production at Mild Conditions
41	LE Qingguo	City University of Hong Kong	A Large-Scale Treatment of Waste Printed Circuit Board (WPCB) in Ethylene Glycol for Copper Recovery
42	Chandan Kumar Sahu	Bioprocessing Laboratory, Centre for Technology Alternatives for Rural Areas (C-TARA), Indian Institute of Technology Bombay, Powai, Mumbai 400076, India	Integrated Green Biorefinery of Bangalore Rose Onion Peel: Sequential Recovery of Anthocyanins, Quercetin, Pectin, and Structural Fractions
43	Youyan Liu	School of Chemistry and Chemical Engineering, Guangxi University, Nanning 530004, China	Lignin-based hydrophobic nanogels loaded with β-cypermethrin for rainwater washout resistance
44	Huan Zhang	University of Science and Technology Liaoning and Liaoning Renewable Energy Society	Functional Biochar Prepared from Corn Straw by Microbial Pretreatment

Day 1: 28 Nov, 08:30–18:00 | Day 2: 29 Nov, 08:30–16:00			
No.	**Name**	**Affiliation**	**Presentation Title**
45	Sarah Miriam Engelhardt	Technical University of Darmstadt	Depolymerization of lignocellulosic biomass via mechanochemistry
46	Seok Oh KO	Kyung Hee University	Co-carbonization of Cellulose and Polyethylene Terephthalate: Roles in Peroxydisulfate Activation for Pharmaceuticals Degradation
47	Guilin Du	Westlake University	A multi-stage synthetic microbial community enhances non-sterile solid state fermentation of corn straw for fungal mycelium-enriched feed production
48	Ruotong Yang	Department of Chemistry, The University of Hong Kong, Hong Kong SAR, China	Furan-Based Protection Strategy for Lignin Depolymerisation and Green Adhesive Synthesis
49	Guorui Qiang	Beijing Forestry University	Convergent Upgrading of Lignin-Derived 4-Propylcyclohexanone and Furfural toward Aviation Fuels and Diels–Alder Polymer Materials
50	Bashu Dev Pardhe	Biotechnology Process Engineering Center, KRIBB, 30 Yeongudanji-ro, Ochang-eup, Cheongwon-gu, Cheongju-si 28116, Republic of Korea	From Coconut Oil to Polymer Precursors: Coupling Hydrodeoxygenation and Microbial ω-Oxidation for Dicarboxylic Acid Production
51	Loveille Jun Gonzaga	Sapienza University of Rome	Environmental assessment and scale-up of microwave-assisted extraction of compounds from Furcellaria lumbricalis residues
52	Yi Nie	Institute of Process Engineering, Chinese Academy of Sciences	Recycling Waste Cotton Fabrics into Regenerated Cellulose Fibers via DBU-MAA Deep Eutectic Solvent
53	Ke Wang	Zhengzhou University	Engineering CoNi Alloy–Oxygen Vacancy Synergy for Room-Temperature tandem amination-ring hydrogenation via Boosted Hydrogen Activation
54	Jiarong Tian	Zhejiang University	Turning native lipid heterogeneity into side-chain-diverse polycarbonates: direct CO_2 copolymerization of multicomponent microalgae-derived terminal epoxides
55	Guan Jianyu	The Hong Kong Polytechnic University	Revealing Lignin Intermolecular and Intramolecular Interactions in Plant Cell Walls by Solid-State NMR
56	DI WU	City University of Hong Kong, School of Energy and Environment	A Universal Lignocellulosic-Based Platform for Non-Isocyanate Polyurethane Adhesives Synthesis
57	Hu Jinye	City University of Hong Kong	Ultra Water-Absorbing Chitosan-Based Polymer

Day 1: 28 Nov, 08:30–18:00 | Day 2: 29 Nov, 08:30–16:00			
No.	**Name**	**Affiliation**	**Presentation Title**
58	Ga-Been Lee	Jeonbuk National University, Republic of Korea	Integrated recovery of biogenic silica and biomethane from rice straw: Comparison of alkaline extraction and alkaline hydrogen peroxide treatment
59	Xiaohuan Liu	Taizhou University	Cellulose Nanofiber-Supported Magnetic La Adsorbent with High Atom Economy for Phosphate Removal
60	Nichakorn Khondee	Faculty of Agriculture, Natural Resources and Environment, Naresuan University, Phitsanulok 65000 (Thailand)	An Alkaliphile-Driven Green Biorefinery: Bioconverting Agro-Industrial Residues into Zwitterionic Phospholipids and Lipopeptides at Pilot Scale for Multi-Sector Applications
61	Jingi Shin	Department of Chemical Engineering and Applied Chemistry, Chungnam National University	Comparative techno-economic analysis and life cycle assessment of detoxification methods for Miscanthus × giganteus-derived fermentable sugar production
62	Chen Wu	College of Biomass Science and Engineering, Sichuan University	Molecular Engineering of Biomass-Derived Aromatic Resin Nanoparticles Enables Efficient Photothermal Solar Evaporation
63	Fangfang Wang	College of Biomass Science and Engineering, Sichuan University	Selective Removal of Ethyl Palmitate from Baijiu Using KOH-Activated Distiller’s Grains Biochar
64	Gyeongcheol Kim	Department of Smart-city Engineering, Inha University, 100 Inha-ro, Michuhol- gu, Incheon 22212, Republic of Korea	Organic Acid Production from Microalgal-Bacterial Biomass through Anaerobic Acidogenic Fermentation
65	Jun Li	Huazhong University of Science and Technology	Molten Salt-Assisted Biomass Thermal Conversion for Hydrogen Production
66	Hui Wu	Fujian Agriculture and Forestry University	CMC-Reinforced Adhesive Bio-Patch for Wet Tissue Sealing and Biosignal Monitoring
67	Zeng Hongming	Key Laboratory for Biobased Materials and Energy of Ministry of Education, College of Materials and Energy, South China Agricultural University, Guangzhou 510642, China	Cross-Linking Oxidized Rice Straw and Chitosan for Preparing a Fully Bio-Based Adhesive with Exceptional Water-Resistant Bonding Performance
68	Yiming Zuo	Ocean University of China	Letting the Acceptor Read the Donor: Exchange-Conditioned Neural Transport for Furfural Extraction Equilibria

Day 1: 28 Nov, 08:30–18:00 | Day 2: 29 Nov, 08:30–16:00			
No.	**Name**	**Affiliation**	**Presentation Title**
69	Xiaofeng Pan	The Hong Kong Polytechnic University	Bioinspired Mucus-Secreting Hydrogels Enable Dynamically Adaptive Skin Interfaces for Aerospace Gesture Communication
70	Guoqiang ZHU	City University of Hong Kong, Hong Kong SAR, China	Interfacial Coupling of NiFe Alloy Sites and NbOx for Hydrodeoxygenation of Lignin-derived Phenols to Cycloalkanes
71	Meng Wu	Zhengzhou University	Regulating zeolite acid-base sites for selective hydrogenation of 5-hydroxymethylfurfural
72	Liru Zhao	Zhengzhou University	Catalytic Performance and Sulfur Resistance of In2O3-ZrO2 Composite Metal Oxides for Hydrogenation of Bio-lipids to Higher Aliphatic Alcohols
73	Chao Chen	Tianjin University	AI agent–guided interpretable learning for mechanistic insights into PP/PE catalytic pyrolysis toward SAF precursors
74	Yixing Zhou	The Hong Kong Polytechnic University	Novel Biorefinery (Model Validation of Sustainable Aviation Fuel Production via Lignin Photothermal Catalytic Transfer Hydrogenolysis)
75	MENG ZIYI	The Hong Kong Polytechnic University	Tailoring Support Cation to Modulate Metal-Support Interface for Selective Conversion of Lignin to Sustainable Aviation Fuel
76	Longyu Zhang	China University of Petroleum (East China)	Separation and Direct Hydrodeoxygenation of Black Liquor Lignin into Sustainable Aviation Fuel-Range Cyclic Hydrocarbons
77	Faishal Dzaky Hasbullah	City University of Hong Kong	Highly Selective Catalytic Hydrodechlorination of PVC toward Sustainable Aviation Fuel-Range Hydrocarbons
78	Juping Liu	Huazhong University of Science and Technology	Preparation of Sustainable Liquid Aviation Fuel Components via Catalytic Hydrogenolysis Liquefaction of Lignin
79	Xin Wang	Zhejiang University	Knowledge-Guided Discovery of Cu-Based Catalysts for Renewable CO2 Conversion toward Multi-Carbon Products
80	Zuo Jun Cheng	Zhengzhou University	Controllable morphology and acidity of solvent-synthesized HZSM-5 and Its supported Ni catalyst in HDO of lignin compounds
81	Yuting Qiu	China University of Petroleum (East China)	Direct Hydrodeoxygenation of Lignin to Aviation Fuel-Range Cycloalkanes over Sulfur-Vacancy Engineered NiMoS Catalysts

Day 1: 28 Nov, 08:30–18:00 | Day 2: 29 Nov, 08:30–16:00			
No.	**Name**	**Affiliation**	**Presentation Title**
82	Jingmo Zhou	Harbin Institute of Technology	Microwave Ex-Situ Catalytic Pyrolysis of Polypropylene to Produce a Potential Precursor for SAF Production: Effects of Catalytic Temperature and HY SiO2/Al2O3 Ratio on Oil Yield and Composition
83	Chenyu Duan	School of Energy and Environment, Southeast University	Nb-Modified Ni/CeO2 Interfaces Regulate Selective Deoxygenation of Methyl Palmitate toward n-Pentadecane
84	Jiapeng Zhang	Key Laboratory of Energy Thermal Conversion and Process Measurement and Control of Ministry of Education, School of Energy and Environment, Southeast University	Synthesis of High-Density and Low-Freezing-Point Jet Fuel via Aldol Condensation of Lignocellulose-Derived Vanillin with Acetone and Subsequent Intramolecular Cyclization
85	Jia Liu	Key Laboratory of Energy Thermal Conversion and Control of Ministry of Education, School of Energy and Environment, Southeast University	Study on Synergistic Catalytic Hydrodeoxygenation of Furfural-Ketone Condensation Products for Jet Fuel Production
86	Han Dang	University of Science and Technology Beijing	Waste biomass to metallurgical fuel: Differential molecular responses of biomass model compounds to superheated steam
87	Xu Huang	University of Science and Technology Beijing	Metallurgical performance and economic viability of biochar co-injection in blast-furnace ironmaking
88	Mingwei Wang	University of Science and Technology Beijing	Variable-Pressure Flash Evaporation Regulates Reed-Char Structure and CO2 Gasification for Biomass Metallurgy
89	Nan Jiang	University of Science and Technology Beijing	Multiscale Analysis of Component Structures and Metallurgical Properties of Typical Agricultural and Forestry Biomass
90	Jinyin Zhang	School of Metallurgical and Ecological Engineering, University of Science and Technology Beijing	Structural evolution of representative biomass during pressurized steam carbonization and fuel properties of the resulting chars
91	WANG Chengxin	School of Energy and Environment, City University of Hong Kong	In-situ hydrochar activation and SAF precursor recovery from spent coffee grounds via acid-atmosphere coupled hydrothermal carbonization

Day 1: 28 Nov, 08:30–18:00 | Day 2: 29 Nov, 08:30–16:00			
No.	**Name**	**Affiliation**	**Presentation Title**
92	Lin Kaiyue	State Key Laboratory of Chemical Engineering and Low-carbon Technology, East China University of Science and Technology	Hydrothermal conversion of biogas digestate for the production of humic acid
93	Maojiong Cao	China Agricultural University	Distilling Hydrothermal Liquefaction Biocrude: A Distinct Process Requiring Modified Standards Beyond Petroleum Benchmarks
94	Jiale Hu	Taiyuan University of Technology	Differential Effects of Products from Hydrothermal Carbonization and Humification Corn Straw on Rhizosphere Microbial Communities in Nutrient-Poor Sandy Soill
95	Yan Lin	Guangzhou Institute of Energy Conversion, Chinese Academy of Sciences	A study of NiFe2O4-H2O oxygen exchange and migration mechanism on biomass char chemical looping gasification using 18O isotope tracing
96	Kai Zhang	State Key Laboratory of Green Papermaking and Resource Recycling, Qilu University of Technology (Shandong Academy of Sciences)	Functionalized Covalent Organic Frameworks for Catalytic Valorization of Hemicellulose-Derived Sugars into Furfural
97	Ming He	State Key Laboratory of Green Papermaking and Resource Recycling, Qilu University of Technology (Shandong Academy of Sciences)	Engineering Transport in Cellulose-MXene Composites for Multimodal Soft Actuation
98	Chao Wang	State Key Laboratory of Green Papermaking and Resource Recycling, Qilu University of Technology (Shandong Academy of Sciences)	Preserving Native Lignin with a Mild DES for an Integrated Bamboo Biorefinery