

AGENDA (Main Schedule)

Sunday, Nov 9, 2025		
Time	Schedule	Venue
17.00 – 18.00 hr.	Local Registration	Foyer
18.00 – 20.00 hr.	Welcome Reception	Jamjuree Ballroom B

Monday, Nov 10, 2025		
Time	Schedule	Venue
9.00 – 9.30 hr.	Opening Ceremony	Jamjuree Ballroom A+B
9.30 – 10.00 hr.	Plenary Speaker 1 Title “Design of Biobased Polyesters, and the Exclusive Chemical Recycling” Prof. Kotohiro Nomura Tokyo Metropolitan University, Japan	Jamjuree Ballroom A+B
10.00 – 10.25 hr.	Keynote Speaker 1 Title “High-performance Environmental Catalysts Prepared from Molecular Structure Units” Prof. Wei Han The Hong Kong University of Science and Technology, Hong Kong	Jamjuree Ballroom A+B
10.25 – 10.35 hr.	Break	Foyer
10.35 – 11.00 hr.	Keynote Speaker 2 Title “Computational Science Supports the Green Transition” Prof. Supa Hannongbua Kasetsart University, Thailand	Jamjuree Ballroom A+B
11.00 – 11.25 hr.	Keynote Speaker 3 Title “Sustainable Solutions for Catalytic CO ₂ Conversion to Value-Added Chemicals via Environmentally Friendly, Magnetic Field-Assisted Green and Innovative Processes” Prof. Metta Chareonpanich Kasetsart University, Thailand	Jamjuree Ballroom A+B
11.25 – 11.45 hr.	Invited Speaker 1 Title “Dual-Band Electrochromic Window for Energy-Efficient Glass Buildings” Assoc. Prof. Pailin Ngaotrakanwivat Burapha University, Thailand	Jamjuree Ballroom A+B
11.45 – 12.05 hr.	Invited Speaker 2 Title “Solution Plasma-Derived Carbon Materials for Energy Applications” Assoc. Prof. Gasidit Panomsuwan Kasetsart University, Thailand	Jamjuree Ballroom A+B

Monday, Nov 10, 2025		
Time	Schedule	Venue
12.05 – 13.30 hr.	Lunch	CiTi BiSTRo (G Floor)
13.30 – 15.15 hr.	Oral Presentation Session 1 (Jamjuree Ballroom A) Oral Presentation Session 2 (Jamjuree Ballroom B)	Jamjuree Ballroom A+B
15.15 – 17.00 hr.	Break & Poster Presentation	Jamjuree Ballroom A
17.00 – 18.00 hr.	Transportation to the Chao Phraya River	
18.00 – 21.30 hr.	Dinner on the Chao Phraya River Cruise	
21.30 – 22.00 hr.	Return to Pathumwan Princess Hotel	

Tuesday, Nov 11, 2025		
Time	Schedule	Venue
9.00 – 9.30 hr.	Plenary Speaker 2 Title “Ionic Liquids: From Fundamentals to Applications” Prof. Suojiang Zhang Henan University / Chinese Academy of Sciences, China	Jamjuree Ballroom A
9.30 – 9.55 hr.	Keynote Speaker 4 Title “Roles of Cations and Anions in Gas Hydrate Formation” Prof. Pramoch Rangsunvigit Chulalongkorn University, Thailand	Jamjuree Ballroom A
9.55 – 10.20 hr.	Keynote Speaker 5 Title “Molecular Insights into the Nanoconfined Ionic Liquids and Their Cutting-edge Applications Toward Green Chemistry” Prof. Hongyan He Chinese Academy of Sciences, China	Jamjuree Ballroom A
10.20 – 10.35 hr.	Break	Foyer
10.35 – 11.00 hr.	Keynote Speaker 6 Title “The Alcoholysis of Waste PET and the Green Preparation of Gel Materials” Prof. Xingmei Lyu Chinese Academy of Sciences, China	Jamjuree Ballroom A
11.00 – 11.20 hr.	Invited Speaker 3 Title “Bifunctional ZnO/Activated Hydrochar Composites from Mangosteen Peel: A Sustainable Approach for Dye Removal” Assoc. Prof. Anyarat Watthanaphanit Mahidol University, Thailand	Jamjuree Ballroom A

Tuesday, Nov 11, 2025		
Time	Schedule	Venue
11.20 – 12.05 hr.	Oral Presentation Session 3	Jamjuree Ballroom A
12.05 – 13.30 hr.	Lunch	CiTl BiSTRO (G Floor)
13.30 – 13.55 hr.	Keynote Speaker 7 Title “Ionic Microenvironment and Its Catalysis in Aldol Condensation Reactions” Prof. Chunshan Li Chinese Academy of Sciences, China	Jamjuree Ballroom A
13.55 – 14.10 hr.	Nagase Session Dr. Masahiro Matsumoto Nagase (Thailand) Co., Ltd., Thailand	Jamjuree Ballroom A
14.10 – 14.35 hr.	Keynote Speaker 8 Title “Driving Sustainability through Science, Research, and Innovation: Thailand’s National Policy Pathways” Prof. Vissanu Meeyoo Thailand Science Research and Innovation, Thailand	Jamjuree Ballroom A
14.35 – 14.55 hr.	Invited Speaker 4 Title “Polysaccharides for Medical Technology: Properties and Applications” Assoc. Prof. Sarute Ummartyotin Thammasat University, Thailand	Jamjuree Ballroom A
14.55 – 15.25 hr.	Closing Ceremony	Jamjuree Ballroom A
15.25 – 15.45 hr.	Break	Foyer

Wednesday, Nov 12, 2025		
Time	Schedule	Venue
9.00 – 17.00 hr.	Excursion in Ayutthaya	

Oral Presentation Session 1, Monday, Nov 10, 2025 – Jamjuree Ballroom A		
Time	Schedule	Code
13.30 – 13.45 hr.	Title “Aptamer-Based Electrochemical Platform Utilizing the Size-Exclusion Effect of an Agarose Hydrogel Electrode for Simultaneous Detection of E. coli and Interleukin-6” Dr. Whitchuta Jesadabundit Chulalongkorn University, Thailand	O1-GCM-01
13.45 – 14.00 hr.	Title “Lead-Free Perovskite/Metal Oxides Heterojunction Photocatalyst for Sustainable Toluene Oxidation” Mr. Zakarya Hazaea Chulalongkorn University, Thailand	O1-GCM-02
14.00 – 14.15 hr.	Title “Bimetallic NiCu Catalysts Supported on Rice Husk-Derived Silica for Efficient Hydrogen Production via Methane Steam Reforming” Dr. Jidapa Chantaramethakul Kasetsart University, Thailand	O1-GCM-03
14.15 – 14.30 hr.	Title “Electrically Controlled Transdermal Release of Insulin from PEDOT:PSS/SF Hydrogel for Diabetes Mellitus Basal Treatment” Dr. Phimchanok Sakunpongpitiporn Mahanakorn University of Technology, Thailand	O1-GCM-04
14.30 – 14.45 hr.	Title “Chemical Conversion of PET Wastes with Alcohol by Transesterification by FeCl ₃ -amine Catalyst” Dr. Kanticha Jaiyen Tokyo Metropolitan University, Japan	O1-GCM-05
14.45 – 15.00 hr.	Title “Valorizing Agricultural Residues into Biodegradable Mulch Films for Circular Farming System” Ms. Alyssa Bea Sison The Meridian International Learning Experience, Inc., Philippines	O1-GCM-06
15.00 – 15.15 hr.	Title “Green Synthesis of Tannin-Derived Nanomaterials from Carica papaya Leaves for Electrochemical Applications in Bio-Batteries” Mr. Ronnel Encina The Meridian International Learning Experience, Inc., Philippines	O1-GCM-07

Oral Presentation Session 2, Monday, Nov 10, 2025 – Jamjuree Ballroom B		
Time	Schedule	Code
13.30 – 13.45 hr.	Title “Feasibility Study of Pilot Scale Synthesis of Iso-amyl Acetate Using Reactive Distillation Technique” Mr. Chanatip Somsrang Suranaree University of Technology, Thailand	O2-GSP-01
13.45 – 14.00 hr.	Title “Single-Step Synthesis of Propylene Oxide from Propane in Dielectric Barrier Discharge Reactor: Impacts of Propane Separate Feed” Dr. Nitikorn Ditthawat Mahanakorn University of Technology, Thailand	O2-GRE-01
14.00 – 14.15 hr.	Title “Advancing Organic and Perovskite Photovoltaic through Material Innovation” Prof. Guilong Cai Chinese Academy of Sciences, China	O2-NEM-01
14.15 – 14.30 hr.	Title “Development of Multilayer TiO ₂ -PEGS/SiO ₂ -PEGL Coatings for Solar Cell Antireflection Applications” Mr. Numporn Thungphotrakul Kasetsart University, Thailand	O2-NEM-02

Oral Presentation Session 2, Monday, Nov 10, 2025 – Jamjuree Ballroom B		
Time	Schedule	Code
14.30 – 14.45 hr.	Title “Sustainable Self-Calibrating Electrochemical Biosensor for Multiplex Detection of Kidney Injury Biomarkers” Dr. Surinya Traipop Chulalongkorn University, Thailand	O2-CNS-01
14.45 – 15.00 hr.	Title “A Novel DNA-Based Lateral Flow Assay for Rapid and Early Detection of Treponema pallidum” Dr. Napakporn Poosinuntakul Chulalongkorn University, Thailand	O2-CNS-02
15.00 – 15.15 hr.	Title “Ammonia Recovery from Wastewater via Electrochemical Process: A Parametric Study on Membrane Pretreatment and Electrochemical Optimization” Asst. Prof. Khwanchit Wongcharee Mahanakorn University of Technology, Thailand	O2-CNS-03

Oral Presentation Session 3, Tuesday, Nov 11, 2025 – Jamjuree Ballroom A		
Time	Schedule	Code
11.20 – 11.35 hr.	Title “Up-cycling of Waste PET Based on Ionic Liquid Catalysts” Prof. Jiayu Xin Chinese Academy of Sciences, China	O3-GCM-08
11.35 – 11.50 hr.	Title “Catalytic Cracking of Crude Oil into Light Olefins/Aromatics” Prof. Hui Wang Chinese Academy of Sciences, China	O3-GCM-09
11.50 – 12.05 hr.	Title “Ionic Liquid-Enhanced Lignin Degradation” Prof. Yumiao Lyu Chinese Academy of Sciences, China	O3-GRE-02

Poster Presentation, Monday, Nov 10, 2025 – 15.15 – 17.00 hr. – Jamjuree Ballroom A	
Schedule	Code
Title “Electrocatalytic Upcycling of Waste PBAT into High-Value Products PBS” Prof. Yu Zhang Chinese Academy of Sciences, China	P-GCM-01
Title “New Technology for Synthesis of Carbonate from CO ₂ and Low-carbon Alcohols” Prof. Li Dong Chinese Academy of Sciences, China	P-GCM-02
Title “Functions of Surface Brønsted and Lewis Acidic Sites in the Catalytic Transfer Hydrogenation of Methyl Levulinate with 2-Propanol” Prof. Dan Yang Shanxi Normal University, China	P-GCM-03
Title “Development of particulate air filtration media with antimicrobial Property” Ms. Nareerat Punvitayakul Center of Excellence on Petrochemical and Materials Technology, Thailand	P-GCM-04
Title “Modification of Biochar and Its Application in Acetin Synthesis from Glycerol” Miss Ashiraya Thitacharoen Chulalongkorn University, Thailand	P-GCM-05
Title “Effect of Manganese Oxide Morphologies on Alumina-Supported Catalysts on Water-assisted Ketonization of FAME for Biowax Production” Mr. Dhimas Giffarie Wardhana Chulalongkorn University, Thailand	P-GCM-06
Title “Fe-Modified Pineapple Leaf Biochar for Efficient H ₂ S Removal: Adsorption Performance and Mechanistic Insights” Miss Pimchanok Khwanprasert Kasetsart University, Thailand	P-GCM-07
Title “Banana Pseudostem Cellulose-Based Mulch Films for Sustainable Plant Growth” Nicholas Garrett Ng The Meridian International Learning Experience Inc., Philippines	P-GCM-08
Title “Development of Biodegradable Seed Sheets from Rice Husk and Banana Pseudostem” Mariska Rilo Kintanar The Meridian International Learning Experience Inc., Philippines	P-GCM-09
Title “Biodegradable Rice Husk Cellulose Sheets for Enhanced Plant Growth” Eowyn Llagas The Meridian International Learning Experience Inc., Philippines	P-GCM-10
Title “Dual-Layer Proton-Conducting Membrane for Controlled Hydration in PEMFC” Assist. Prof. Noppadol Panchan Mahanakorn University of Technology, Thailand	P-GCM-11
Title “Bio-Based CMC/PVA Nanofiber Wound Dressings Enhanced with Licorice Extract for Improved Antibacterial and Healing Performance” Mr. Piyapol Siriwat Mahanakorn University of Technology, Thailand	P-GCM-12
Title “Synthesis and Characterization of Biobased Sulfonated Cellulose (SC)-Acetate Membranes for Wastewater Treatment” Ms. Wimolsiri Sripochai Mahanakorn University of Technology, Thailand	P-GCM-13
Title “Effective catalyst design and process innovation for CO ₂ selective hydrogenation” Prof. Gang Wang Chinese Academy of Sciences, China	P-GCM-14

Poster Presentation, Monday, Nov 10, 2025 – 15.15 – 17.00 hr. – Jamjuree Ballroom A	
Schedule	Code
Title “Optimization and Application of Combined Impeller Reactor in Ionic Liquid-Mediated Aldol Condensation” Prof. Qiu Zhao Chinese Academy of Sciences, China	P-GRE-01
Title “Multicomponent Modeling of Adsorption Isotherm: A Case Study of Cadmium(II) and Nickel(II) Ions Adsorbed onto Rice Husk Ash” Mr. Bawornpong Pornchuti Mahanakorn University of Technology, Thailand	P-GSP-01
Title “Tuning Interfacial Properties in Sodium-Ion Batteries with Imidazole-Based Ionic Liquid Additives” Prof. Xinyue Liu Chinese Academy of Sciences, China	P-NEM-01
Title “Posture Analysis for Surveillance using Camera Sensor on Electric Adjustable and Flipping Beds” Dr. Asavaron Limsuebchuea Center of Excellence on Petrochemical and Materials Technology, Thailand	P-NEM-02
Title “Enhancing the Electrochemical Performance of Silicon–Carbon Composite Anodes Using Tween 80 and Sorghum for Sodium-Ion Batteries” Mr. Phathaporn Laocharoen Kasetsart University, Thailand	P-NEM-03
Title “Life Cycle Assessment on Conventional and Oxy-fuel Natural Gas Combined Cycle Power Plant Integrated with Carbon Capture Technology for Low Carbon Society” Miss Aye Myat Theint Kyaw Kasetsart University, Thailand	P-CNS-01
Title “Porphyrin-conjugated Microporous Polymer Nanospheres Functionalized MXene as an Alternative Counter Electrodes for Dye-sensitized Solar Cells” Mr. Peera Comchamnan Kasetsart University, Thailand	P-CNS-02
Title “Fabrication of UiO-66/Bacterial Cellulose Membranes for CO ₂ /CH ₄ Separation” Miss Nongnapat Budsrijaoren Chulalongkorn University, Thailand	P-CNS-03
Title “Multimodal Chromatography and Spectroscopy Analysis with Machine Learning for Crude Palm Oil Fingerprinting” Mr. Abdul Nggofer Chulalongkorn University, Thailand	P-CNS-04
Title “Fabrication of ZIF-8@BC/SA Composite Beads for Carbon Dioxide Adsorption” Mr. Phuwadol Pornsawangwat Chulalongkorn University, Thailand	P-CNS-05