The Global Future of CHEMISTRY with AI

PACCON

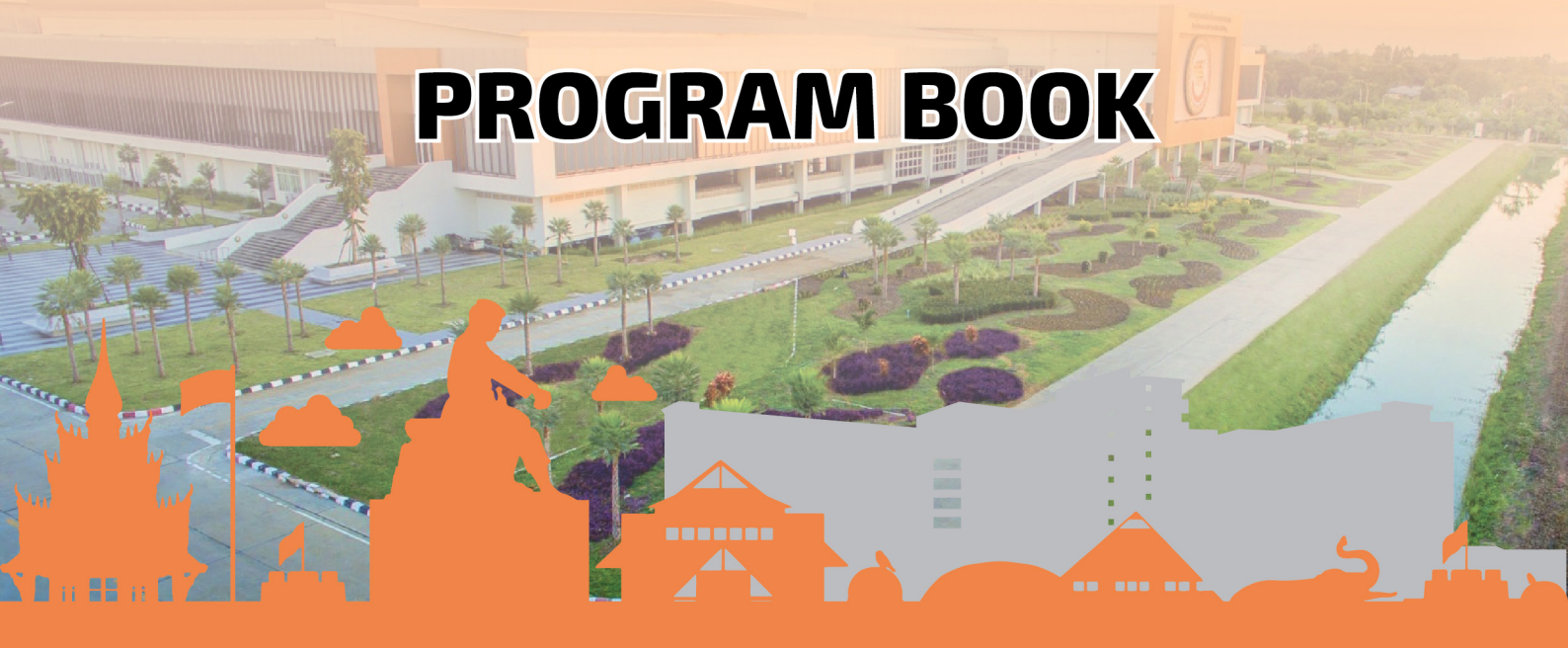
Pure and Applied Chemistry International Conference 2026

February 12-14, 2026

The Global Future of Chemistry with AI

KNECC | THE PURE AND APPLIED CHEMISTRY INTERNATIONAL CONFERENCE 2026

PROGRAM BOOK



Overall Program

Plenary Lectures

PL-01

Professor Dr. Svante Pääbo

Department of Evolutionary Genetics, Max Planck Institute for Evolutionary Anthropology, **Germany**

Nobel Prize in Physiology or Medicine 2022

Date: **February 12, 2026** Room: **Maharaj**

11:15 – 12:00 PL-01: Ancient DNA and the Origin of Modern Humans

PL-02

Professor Dr. Lee-Wei Yang

Institute of Bioinformatics and Structural Biology, National Tsing Hua University, **Taiwan**

PL-03

Prof. Valentine P. Ananikov

Zelinsky Institute of Organic Chemistry, Russian Academy of Sciences, Moscow, **Russia**

PL-04

Distinguished Professor Dr. Naoki Sugimoto

Faculty of Frontier Institute for Biomolecular Engineering Research, Konan University, Kobe, **Japan**

Date: **February 13, 2026** Room: **Maharaj**

10:30 – 11:15	PL-02: DeepSeek the Pathogenicity Predictions of Missense Mutations and Their Inheritance Mode
11:15 – 12:00	PL-03: AI as a Co-Creator of Chemical Knowledge
15:45 – 16:30	PL-04: “To B or not to B” in Nucleic Acids Chemistry

DAY 1 PROGRAM at a Glance

Feb 12th 2026

07.00 - 08.30	Registration open
08.30 - 11.15	Opening Ceremony
11.15 - 12.00	Plenary Talk I : PL-01 Prof.Dr.Svante Pääbo, a Nobel Laureate in Physiology in 2022, Max Planck Institute for Evolutionary Anthropology, Germany Title : Ancient DNA and the Origin of Modern Human, Chairman: Prof.Dr.Wibhu Kutanun
12.00 - 13.00	Lunch Time
13.00 - 14.30	Poster Session I
14.30 - 18.00	Oral Presentation I

Room	G1	G2	G3	G4	G5	G6	G7	G8	G9	G10	G11	G12	M1	M2	M3	Board Game
Session		NP	OM		FA	PT	AC	AC	EE	MN	CC	S5	S4	PC	S6	S8
13.00 - 13.05	MOU Singing Ceremony	Poster Session I @ Poster Area AC-P-01 to AC-P-50 CC-P-03 to CC-P-28 IC-P-01 to IC-P-07 IE-P-01 to IE-P-07 CE-P-01 to CE-P-11 EE-P-01 to EE-P-32 MN-P-01 to MN-P-51										S5 Train-the-Trainers & Networking: A Hands-On Masterclass by Dow & BBL	S4 The Art of Aging Gracefully: Biomaterials and Natural Compounds for Wellness and Rejuvenation			S8 TYCN Chemistry Board Games (hosted by The Thailand Younger Chemists Network (TYCN))
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15.00 - 15.05	Head of Chemistry Meeting															
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16.00 - 16.05	S3 Chemistry Innovations : Bridging Science to the Global Health & Beauty Industry	NP-K-01	OM-K-01		FA-K-01	PT-K-01	AC-K-01		EE-K-01	MN-K-01	CC-K-01			PC-K-01	CPT-K-01	
16.05 - 16.10		NP-K-02	OM-I-01		FA-O-01	PT-I-01	AC-I-01	AC-I-02	EE-I-01	MN-K-02	CC-I-01			PC-O-01	CPT-I-01	
16.10 - 16.15		NP-CST Award-01	OM-I-02		FA-O-02	PT-I-02	AC-O-01	AC-O-09	EE-O-02	MN-I-01	CC-O-01			PC-O-02	CPT-I-02	
16.15 - 16.20		NP-O-01	OM-O-01		FA-O-03	PT-O-01	AC-O-02	AC-O-10	EE-O-03	MN-O-01	CC-O-02			PC-O-03	CPT-I-03	
16.20 - 16.25		Coffee Break	Coffee Break		FA-O-04	Coffee Break	AC-O-03	AC-O-11	EE-O-05	Coffee Break	CC-O-03			PC-O-04	CPT-I-04	
16.25 - 16.30		NP-O-02	OM-O-03		FA-O-05	Coffee Break	Coffee Break	Coffee Break	Coffee Break	MN-I-02	Coffee Break			PC-O-05	CPT-I-05	
16.30 - 16.35		NP-O-03	OM-O-04		Coffee Break	PT-I-03	AC-O-04	AC-O-12	EE-I-02	MN-O-03	CC-CST Award-05			Coffee Break	CPT-I-06	
16.35 - 16.40		NP-O-04			FA-O-06	PT-I-04	AC-O-05	AC-O-13	EE-O-07	MN-O-04	CC-O-04			PC-K-02	CPT-O-01	
16.40 - 16.45		NP-O-05			FA-O-07	PT-I-05	AC-O-06	AC-O-15	EE-O-09	MN-O-05	CC-O-05			PC-O-06	CPT-O-02	
16.45 - 16.50					FA-O-09	PT-O-03	AC-O-07	AC-O-16	EE-O-10	MN-O-06	CC-O-06			PC-O-08		
16.50 - 16.55					FA-O-10		AC-O-08				CC-O-07			PC-O-09		
16.55 - 17.00					FA-CST Award-03									PC-O-10		
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18.00 - 21.00	Conference Banquet

DAY 2 PROGRAM at a Glance

Feb 13th 2026

Room	Maharat Hall	G1	G2	G3	G4	G5	G6	G7	G8	G9	G10	G11	M2	M1	G9	Board Game	Poster Area
Session	MN	IE	CE	OM	MN	PT	PT	AC	AC	EE	EE	CC	PC	S1	S2	S8	S9
08.30 - 08.35	MN-K-03	IE-K-01	CE-I-01	OM-I-03	MN-I-04	PT-I-08	PT-K-02	AC-K-02		EE-K-02		CC-K-02	PC-K-03				
08.35 - 08.40																	
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08.55 - 09.00	MN-I-03	IE-K-02	CE-I-02	OM-I-04	MN-O-10	PT-O-09	PT-I-06	AC-I-03	AC-I-04	EE-I-03	EE-I-04	CC-K-03	PC-K-04				
09.00 - 09.05																	
09.05 - 09.10					MN-O-11	PT-O-10											
09.10 - 09.15			CE-I-03	OM-O-05													
09.15 - 09.20	MN-O-08						PT-I-07	AC-O-18	AC-O-21	EE-O-11	EE-O-14		PC-O-11				
09.20 - 09.25					MN-O-12	PT-O-11						CC-I-02					
09.25 - 09.30		IE-K-03		OM-O-06				AC-O-19	AC-O-22	EE-O-12	EE-O-15		PC-O-12				
09.30 - 09.35					MN-O-13	PT-O-12	PT-O-05					CC-O-08					
09.35 - 09.40	MN-CST Award-09		CE-CST Award-04	OM-O-07				AC-O-20	AC-O-23	EE-O-13	EE-O-16		PC-O-13				
09.40 - 09.45						PT-O-13	PT-O-06					CC-O-09					
09.45 - 09.50		IE-O-01							AC-O-24	EE-O-19	EE-O-17		PC-O-14				
09.50 - 09.55			CE-O-01	OM-O-08		PT-O-14						CC-O-10					
09.55 - 10.00		IE-O-02															
10.00 - 10.05			CE-O-02	OM-O-09						EE-O-20	EE-O-18						
10.05 - 10.10		IE-O-04															
10.10 - 10.15			CE-O-03														
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10.30 - 10.35	Plenary Talk II: PL-02 Prof.Dr.Lee Wei Yang, National Tsing Hua University, Taiwan, Topic: DeepSeek the Pathogenicity Predictions of Missense Mutations and Their Inheritance Mode, Chair: Prof.Dr.Siriporn Jungsuttiwong																
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11.15 - 11.20	Plenary Talk III: PL-03 Prof.Dr.Valentine Ananikov, Zelinsky Institute of Organic Chemistry, Russian Academy of Sciences, Moscow, Russia, Topic: AI as a Co-Creator of Chemical Knowledge, Chair: Prof.Dr.Siriporn Jungsuttiwong																
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12.00 - 13.00	Lunch Time																

S1 AI Horizons: Innovation for Science & Technology

S2-K-01

S2-I-01

S2-I-02

Round Table Talk

S8 TYCN Chemistry Board Games (hosted by The Thailand Younger Chemists Network (TYCN))

S9 Side Event Science Project

DAY 2 PROGRAM at a Glance

Feb 13th 2026

Room	Maharat Hall	G1	G2	G3	G4	G5	G6	G7	G8	G9	G10	G11		M1	M2	Board Game	Poster Area
Session			IC		MN	PC	PT	AC	MN	EE	EE	CC				S8	S9
13.00 - 13.05	S7 Merck-CST-TYCN for Sustainable Future Symposium															S8 TYCN Chemistry Board Games (hosted by The Thailand Younger Chemists Network (TYCN))	S9 Side Event Science Project
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Poster Session II @ Poster Area

AC-P-51 to AC-P-100
FA-P-01 to FA-P-27
NP-P-01 to NP-P-30
OM-P-01 to OM-P-23
PC-P-01 to PC-P-22
PT-P-01 to PT-P-27

IC-K-01
IC-I-01
IC-O-01
IC-O-02
IC-O-03

MN-I-05
MN-O-14
MN-O-15
MN-O-16

PC-K-05
PC-O-15
PC-O-16
PC-O-17
PC-O-18

PT-CST Award-02
PT-O-07
PT-O-08

AC-K-03
AC-O-25
AC-O-26
AC-O-27

MN-I-06
MN-O-17
MN-O-18
MN-O-19

EE-I-05
EE-O-21
EE-O-22

EE-I-06
EE-O-23
EE-O-24
EE-O-25

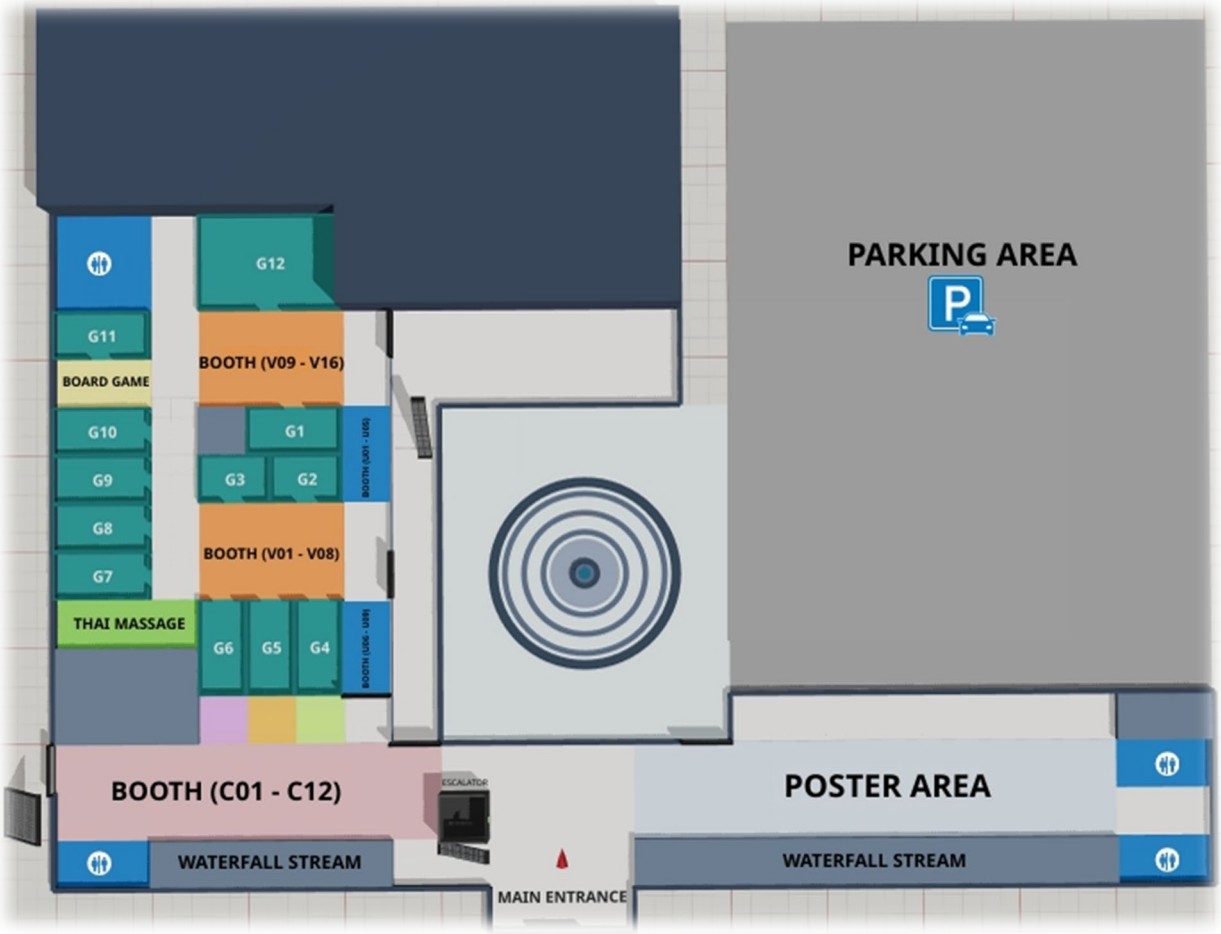
CC-I-03
CC-I-04
CC-O-12
CC-O-13
CC-O-14

Plenary Talk IV:PL-04 Prof.Dr. Naoki Sugimoto, Konan University, Japan,
Title: "To B or not to B" in Nucleic Acids Chemistry,
Chairman: Prof.Dr.Tirayut Vilaivan

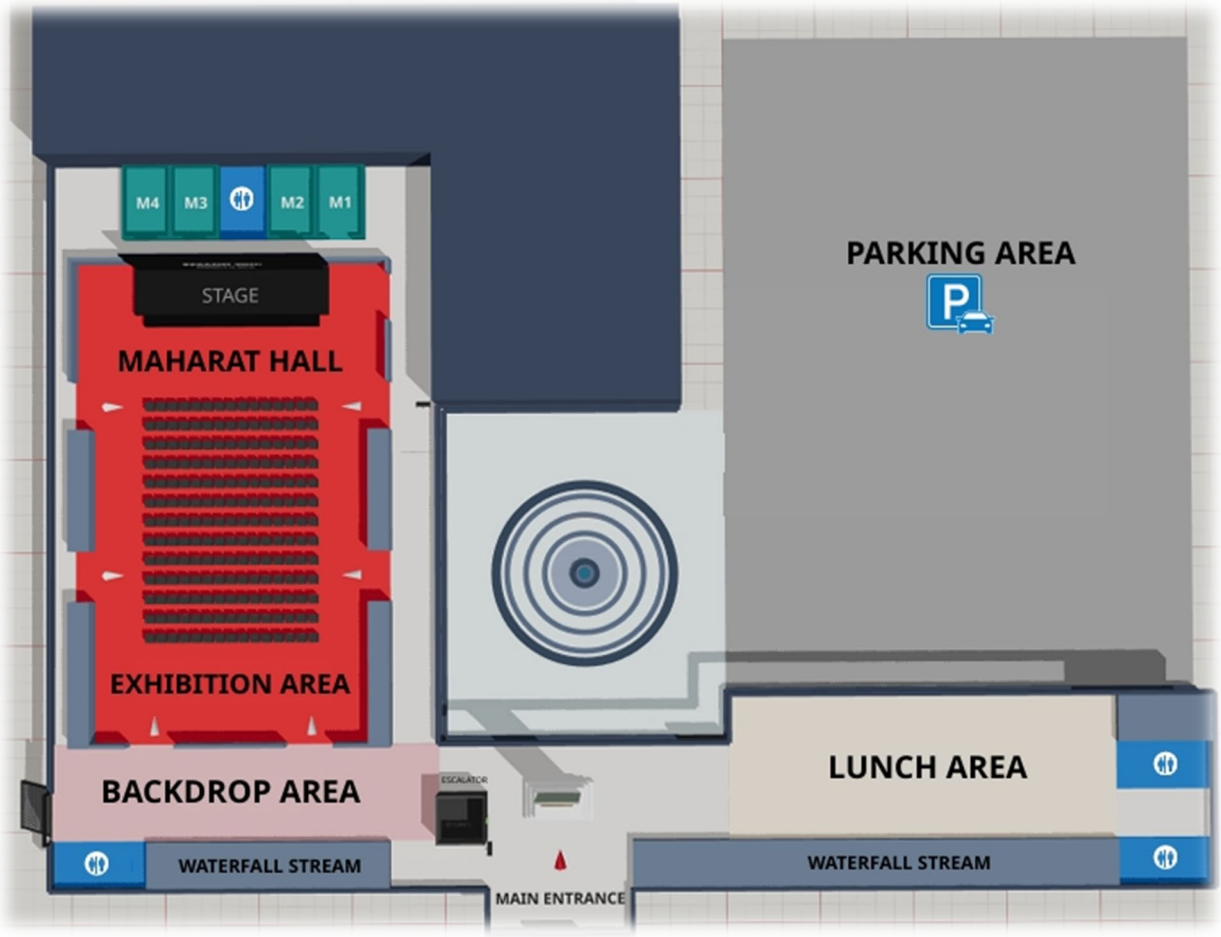
Award Annoucement & Closing Ceremony @ Maharat Hall

Floor Plan
KNECC Exhibition Center

1st Floor



2nd Floor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STAGE
MAHARAT HALL
EXHIBITION AREA
PARKING AREA
BACKDROP AREA
ESCALATOR
LUNCH AREA
WATERFALL STREAM
MAIN ENTRANCE
WATERFALL STREAM

Date : 12 Feb 2026				
Session : Analytical Chemistry				
Room : G7				
Time	**Presentation Code**	**Topic**	**Presenter**	**Section**
14.30-14.55	AC-K-01	Enhancing Educational Quality of Organic Chemistry Laboratory: In-Class Characterization of Synthetic Compounds by College Students in General Organic Chemistry Laboratory with Ambient Ionization Mass Spectrometry	Prof. Jentaie Shiea	**Oral 1A** **Chairman :** Prof. Wenwan Zhong **Co-Chair :** Asst.Prof.Dr. Itthipon Jeerapan
14.55-15.15	AC-I-01	Machine learning and NIR spectroscopy for quality assurance of agricultural crops: Current limitations and solutions	Assoc.Prof.Dr. Sila Kittiwachana	
15.15-15.30	AC-O-01	Performance improvement of a portable NIR spectrometer for sweetness analysis of corn based on calibration transfer methods	Ms. Chevaporn Chudoung	
15.30-15.45	AC-O-02	Papain as a Model for Protease Activity detection using Microwave-Synthesized Fluorescent Carbon dots	Ms. Wannapa Phunswat	
15.45-16.00	AC-O-03	Development of a Low-Cost Open-Source Ion Mobility Spectrometry Platform with Integrated Flexible Drift Tube and Various Ionization Techniques for Pharmaceutical Analysis	Dr. Nattapong Chantipmanee	
16.00-16.10	**Coffee Break**			
16.10-16.25	AC-O-04	Design and invention of ultra-low reagent/sample optical sensors toward real-world green analytical applications	Assoc.Prof.Dr. Napaporn Youngvises	**Oral 1B** **Chairman :** Assoc.Prof. Duangjai Nacapricha **Co-Chair :** Dr. Nunnapus Laitip
16.25-16.40	AC-O-05	Engineered zero-valent iron sorbents for carbamate insecticide extraction	Dr. Prapha Arnnok	
16.40-16.55	AC-O-06	Polydopamine/Polyacrylic Acid-Coated Reed Diffuser Sticks: An Eco-Friendly Micro-Solid Phase Extractor for Antibiotics	Ms. Suwatchanee Maneeratanachot	

Date : 12 Feb 2026				
Session : Analytical Chemistry				
Room : G7				
Time	**Presentation Code**	**Topic**	**Presenter**	**Section**
16.55-17.10	AC-O-07	Green Peptide Extraction and Modification from Mulberry Leaves by Microwave-Assisted Enzymatic Hydrolysis	Ms. Titinun Ubolsaard	
17.10-17.25	AC-O-08	Development of method for Nickel (II) determination in water samples by cloud point extraction (CPE) with FAAS detection	Ms. Patthamaporn Inthamad	

Date : 12 Feb 2026				
Session : Analytical Chemistry				
Room : G8				
Time	**Presentation Code**	**Topic**	**Presenter**	**Section**
14.55-15.15	AC-I-02	Electrochemistry of laser-induced graphene electrodes with data-driven design for enhanced electrochemical sensing	Asst.Prof.Dr. Pumidech Puthongkham	**Oral 1A** **Chairman :** Assoc.Prof.Dr. Jaroon Jakmunee **Co-Chair :** Dr. Chawin Srisomwat
15.15-15.30	AC-O-09	A Next-Generation Instant-Use Electrochemical Platform for Field Detection of Hydrophobic and Water-Insoluble Analytes	Dr. Kanokwan Charoenkitamorn	
15.30-15.45	AC-O-10	Synergistic core–shell Au-PtNPs/g-C_3N_4 heterostructure modified screen-printed carbon electrode for enhanced electrochemical detection of diclofenac in water samples	Ms. Piyathida Thaipukdee	
15.45-16.00	AC-O-11	Forensic applications of nanostructured screen-printed electrodes: Electrochemical and SERS-based approaches	Dr. Thinnapong Wongpakdee	
16.00-16.10	**Coffee Break**			
16.10-16.25	AC-O-12	Ultrasensitive and rapid detection of illicit Δ^9-tetrahydrocannabinol using an immobilization-free aptamer based electroluminescent display	Dr. Chawin Srisomwat	**Oral 1B** **Chairman :** Assoc.Prof.Dr. Maliwan Amatatongchai **Co-Chair :** Assoc.Prof.Dr. Sila Kittiwachana

Date : 12 Feb 2026				
Session : Analytical Chemistry				
Room : G8				
Time	**Presentation Code**	**Topic**	**Presenter**	**Section**
16.25-16.40	AC-O-13	Functional Composite Ink Coupled with an Electropolymerized Dopamine Film for Simultaneous Determination of HVA and VMA	Ms. Ananyaporn Anekrattanasap	
16.40-16.55	AC-O-15	A green ratio derivative spectrophotometric method for determining dexamethasone sodium phosphate in extemporaneous eye drop formulations	Mr. Phatharaphisit Suphakijudomkarn	
16.55-17.10	AC-O-16	Label-free detection of para-phenylenediamine (PPD) on Human Hair Samples using Droplet Stretching Assay	Prof. Naresh Kumar Mani	

Date : 13 Feb 2026				
Session : Analytical Chemistry				
Room : G7				
Time	**Presentation Code**	**Topic**	**Presenter**	**Section**
08.30-08.55	AC-K-02	Extracellular vesicle sub-populations as liquid biopsy biomarkers for early disease diagnosis	Prof. Wenwan Zhong	**Oral 2** **Chairman :** Assoc.Prof. Dr. Katrin Loeschner **Co-Chair :** Assist.Prof. Dr. Kanokwan Charoenkitamorn
08.55-09.15	AC-I-03	Design and development of novel capture receptors based on molecular imprinted polymer combined with aptamer (MIP-aptamer) for cancer biomarker sensing application	Assoc.Prof.Dr. Maliwan Amatatongchai	
09.15-09.30	AC-O-18	Smartphone-Assisted Green Pectin/BCG Film Sensor for GABA Detection	Ms. Rungthiwa Niamlaoong	
09.30-09.45	AC-O-19	Application of inductively coupled plasma mass spectrometry (ICP-MS) for investigation of nanoparticle interactions with clinically relevant compounds	Ms. Hathaichanok Karanasophonphun	
09.45-10.00	AC-O-20	Taylor Dispersion Analysis Based on Light Scattering for Sizing Non-UV Absorbing Nanoparticles	Mr. Supanut Prom-in	
10.00-14.30	**Break**			

Date : 13 Feb 2026				
Session : Analytical Chemistry				
Room : G7				
Time	**Presentation Code**	**Topic**	**Presenter**	**Section**
14.30-14.55	AC-K-03	Analytical readiness for nano-enabled food safety: The role of single particle ICP-MS	Assoc.Prof.Dr. Katrin Loeschner	**Oral 3** **Chairman :** Prof. Jentaie Shiea **Co-Chair :** Asst.Prof.Dr. Pumidech Puthongkham
14.55-15.15	AC-O-25	Establishment of National Measurement Capability for Nanoparticle Number Concentration by spICP-MS: Participation in CCQM K166 Comparison	Dr. NUNNAPUS LAITIP	
15.10-15.25	AC-O-26	LC-MS identification of plastic monomer compositions in commercial resins used for 3D-printed denture fabrication	Dr. Pipob Suwanchaikasem	
15.25-15.40	AC-O-27	Analysis of metal-doped core/shell nanoplastics under environmental conditions for understanding their behavior and transformation	Mr. ITTIKORN PERMPOOL	

Date : 13 Feb 2026				
Session : Analytical Chemistry				
Room : G8				
Time	**Presentation Code**	**Topic**	**Presenter**	**Section**
08.55-09.15	AC-I-04	Innovations at the Forefront of the Global Future of On-Body and On-Demand Electrochemistry	Asst.Prof.Dr. Itthipon Jeerapan	**Oral 2** **Chairman :** Assoc.Prof.Dr. Napaporn Youngvises Co-Chair : Dr. Nattapong Chantipmanee
09.15-09.30	AC-O-21	Innovative polymer-based electrochemical platform for detecting ESAT-6 in human blood for pulmonary tuberculosis diagnosis	Mr. Xiu-An Ye	
09.30-09.45	AC-O-22	A unified mismatch-driven DNA–metal-ion nanocomplex platform for electrochemical and colorimetric sensing of mpox virus	Dr. Abdulhadee Yakoh	
09.45-10.00	AC-O-23	Net-patterned electrodes for high-performance electrochemical detection of monkeypox virus	Dr. Wanwisa Deenin	
10.00-10.15	AC-O-24	Electrochemical Immunosensing of Dengue Biomarkers Using An Ionic Liquid–Graphene Electrode	Ms. Chanakarn Sangsum	

Poster Presentation I : 12 Feb 2026		
Session : Analytical Chemistry		
Presentation Code	**Topic**	**Presenter**
AC-P-01	Method Validation for Determination of Mercury in Powdered Polyaluminium Chloride by Mercury Analyzer	Dr. Supanan Anuchai
AC-P-02	Using flow field-flow fractionation and single particle ICP-MS for investigation of nanoparticles transformation under in vitro gastrointestinal conditions	Mr. Thanakit Kongngam
AC-P-03	Development of 19F NMR-based sensor with an intramolecular internal standard strategy for metal ions detection	Mr. Myo Naing Win
AC-P-04	Method validation for determination of Mercury by Flow Injection Cold Vapor Atomic Absorption Spectrometry	Ms. Waramporn Boonyaporn
AC-P-05	Method validation for determination of Iron and Zinc in Drinking water by Flame atomic absorption spectrophotometer	Ms. Supavadee Suriyamat
AC-P-06	Miniaturized Microwell Titration for Rapid Determination of Titratable Acidity in Beverages	Ms. Phatchanamon Jantivas
AC-P-07	Semi-quantitative Determination of Iodate in Iodized Salt by a Rapid Microwell Redox Titration Platform	Ms. Tanaporn Sribunpeng
AC-P-08	Development of immunosensor for detection of neomycin using gold nanoparticles	Ms. Jiratha Rongnacorn
AC-P-10	Development of a Portable Sensor Device for Rapid Methanol Detection in Alcoholic Beverages	Ms. Lucksika Janchai
AC-P-11	Detection of Restricted Substances in Cosmetics Using a Custom-Built Low-Temperature Plasma Coupled Ion Mobility Spectroscopy (LTP-IMS) System	Ms. Yada Phoomjun
AC-P-14	Development of an automated sequential injection system for total protein determination in whey protein using bicinchoninic acid assay	Mr. Rattiwat Kamta
AC-P-15	Preliminary Optical Characterization of a Paired Emitter-Detector Diode (PEDD) Platform for Future Sulfur Monitoring in Petroleum Fuels	Ms. Yada Kaewphumhae
AC-P-16	Cu/Ag Nanocluster-Derived Nanozyme for Real-Time Salivary α-Amylase Detection in Stress Screening	Dr. Siraprapa Boobphahom

Poster Presentation I : 12 Feb 2026		
Session : Analytical Chemistry		
Presentation Code	**Topic**	**Presenter**
AC-P-17	A Low-Cost Paper-Based Tool for Field Screening of Aflatoxin B1 and Ochratoxin A	Ms. Ploychaya Chuchuaysuwan
AC-P-18	Colorimetric paper-based device for corticosteroids detection in cosmetic products	Dr. Atchara Lomae
AC-P-20	Flow injection amperometric sensors for rapid and sensitive detection of uric acid	Assoc.Prof.Dr. Jaroon Jakmunee
AC-P-22	Development of a Low-Cost Copper Tape Electrochemical Sensor for Nitrate Detection	Mr. Sorrawich Kanchanangkoonphan
AC-P-23	Hg(II) Detection in Simulated Seawater Using a Ring-Disk Gold Electrode	Ms. Papitchaya Buakaew
AC-P-24	Determination of Nitrite Content in Plasma-Activated Water using Flow Injection Analysis with Amperometric Detection	Ms. Songporn Thipprasert
AC-P-26	Determination of potassium, sodium and total alkalies in portland cement, fly ash, admixtures and water for concrete by a simple flow injection flame-photometric system	Ms. Chanakarn Chucheepchuenkamol
AC-P-27	Synthesis of Fluorescent Carbon Dot from Cassava Peel for Visualization of Latent Fingerprint	Mr. Chanathip Amonthamsatid
AC-P-28	Origami paper-based analytical device for semi-quantitative endpoint detection via spot counting in titrimetric analysis	Ms. Anongnad Teprak
AC-P-29	Fingernail Sensor-Based Dip-Type μPAD for On-Site Colorimetric Detection of γ-Hydroxybutyric Acid in Drinks	Dr. Kanjana Kunpatee
AC-P-30	A paper device for determination of hydrogen sulfide based on fluorescence quenching of gold nanoclusters-immobilized cellulose nanofibrils nanocomposite film	Asst.Prof.Dr. Nathawut Choengchan

Poster Presentation I : 12 Feb 2026		
Session : Analytical Chemistry		
Presentation Code	**Topic**	**Presenter**
AC-P-31	A stacking paper-based analytical device for smartphone-based colorimetric speciation and simultaneous determination of iron in waters	Mr. Surachet Thongchan
AC-P-32	The test kit for the determination of antioxidant activity by measuring the distance on paper in samples	Mr. Elarun Sapkanjana
AC-P-33	Distance-based μPADs with in-situ headspace gas diffusion for direct quantification of volatile acid-base analytes	Dr. Thitaporn Sonsa-ard
AC-P-34	Evaluation of the extraction techniques and analysis of essential oils from *M. koenigii* using GC-MS	Dr. Hogantharanni Govender
AC-P-35	Analysis of Antidepressants in Urine Using Three-Liquid-Phase Extraction Coupled with Gas Chromatography	Ms. Krittaya Asunee Na Ayuthaya
AC-P-36	Three-Liquid-Phase Extraction of Some Key Active Substances in Coffee	Ms. Supisara Thongchai
AC-P-38	Electro colorimetry gel-based sensor for drug screening	Mr. Abdulsalam kabiru saidu
AC-P-39	A melamine sponge incorporated with MIL-125 based stir bar sorptive adsorbent for the extraction of estrogens in milk samples	Ms. Nurhasima Phirisi
AC-P-40	A composite adsorbent of cotton fibers coated with chitosan adhesives incorporating Zr-MOF for the extraction and determination of parabens	Ms. Worapa Rittawa
AC-P-41	Vortex-assisted magnetic dispersive solid-phase microextraction of phenylurea herbicides using MOF-based adsorbent	Ms. Suppawan Sillapawisut
AC-P-42	Synthesis and Spectroscopic Characterization of a Thymol-Based Deep Eutectic Solvent for Green Analytical Applications	Ms. Nalinee Taweetanawikai

Poster Presentation I : 12 Feb 2026		
Session : Analytical Chemistry		
Presentation Code	**Topic**	**Presenter**
AC-P-43	Quantitative analysis of cadmium in durian using digital image colorimetry compared with UV-Visible spectrophotometry	Assoc.Prof. Prinya Masawat
AC-P-44	Supramolecular solvent-assisted Cloud Point Extraction for Cadmium Determination in Water and Tea samples by FAAS	Assoc.Prof.Dr. Wipharat Chaiyasith
AC-P-45	Effective Pesticide Extraction in Water using Polystyrene-Fatty Acid Coated Popsicle Stick Sorbent	Mr. Poomrapee Panmaung
AC-P-46	Oil Palm Frond Fiber: A Natural Micro-SPE Sorbent for Phthalate Ester Extraction in Packaged Baby Food	Ms. Sadanan Muengsong
AC-P-47	Natural Pineapple Leaf Fiber as an Efficient Sorbent for PAHs in Grilled Food Samples	Ms. Satanun Peashsawat
AC-P-48	Multivariate optimization for vortex-assisted dispersive liquid-liquid microextraction using solidified floating organic drop for nickel determination in water and food samples by FAAS	Ms. Kuanjira Rattakham
AC-P-49	A magnetic chiral adsorbent, Fe_3O_4, functionalized for enantio- and magnetic separation of the aspartic acid methyl ester racemate with amino glutarimide derivatives	Ms. Varaporn Paradamit
AC-P-50	Composite monolith in pipette tip for micro-solid phase extraction of neuroendocrine biomarkers followed by LC-MS	Ms. Rawisara Woensanthia

Poster Presentation II : 13 Feb 2026		
Session : Analytical Chemistry		
Presentation Code	**Topic**	**Presenter**
AC-P-51	Decontamination of bisphenol A from water samples using magnetite chitosan bead adsorbent	Ms. Nurma Sulaiman
AC-P-52	Development of Smartphone-Based TLC Sensor for Military Jet Fuel Degradation Analysis	Palathip Kakanopas

Poster Presentation II : 13 Feb 2026		
Session : Analytical Chemistry		
Presentation Code	**Topic**	**Presenter**
AC-P-53	Optimization of Gas Chromatography-Flame Ionization Detector (GC-FID) for Alcohol Determination in Alcoholic Beverages	Mr. Pongpet Thongsepee
AC-P-54	Chemical and Physical Analysis of Kratom Leaf Extracts Encapsulated Nanoparticles for Development of Industrial Standard Draft	Ms. Jurairat Madayang
AC-P-55	Application of the CIE Colorimetric System for Monitoring the Cleaning Efficiency of Animal Glue on Artworks	Ms. Kunthida Saeli
AC-P-56	Determination of Boron in Carbon and Low-alloy Steel with Spark Atomic Emission Spectrometer	Mr. Veerapat Ramanee
AC-P-57	Development of a colorimetric sensor for hexavalent chromium (Cr(VI)) based on shape transformation of silver nanoprism	Dr. Saowanee Toonchue
AC-P-58	Ratio fluorescence sensor of molecular imprinted polymer integrated with NiCo-nanoflowers and quantum dots for the determination of pesticides	Ms. Irin Prasertvetchatont
AC-P-59	A ratiometric fluorescence sensor based on quantum dots embedded in selective polymer for the determination of isoproturon	Ms. Konchanok Sudjan
AC-P-60	A paper-based molecularly imprinted fluorescent sensor integrating quantum dots and metal-organic framework for the determination of triazine herbicide	Mr. Noppanut Longnapa
AC-P-61	A ratiometric fluorescence sensor using a molecularly imprinted polymer and metal-organic framework for the determination of propazine	Ms. Chonthicha Buachumthamrongsuk
AC-P-62	Facile and sensitive detection of lead (II) in water based on aggregation of tannic acid stabilized silver nanoparticle	Ms. Phetradar Jindaphet

Poster Presentation II : 13 Feb 2026		
Session : Analytical Chemistry		
Presentation Code	**Topic**	**Presenter**
AC-P-63	Development of a Traceable Analytical Method for Atmospheric CO_2 Quantification Using FT-IR Spectroscopy	Dr. Kanokrat Charoenpornpukdee
AC-P-64	Fluorescence-Based Visualization of Microplastics Using Nile Red Staining	Ms. Chanya Chaloeipoj
AC-P-65	One-Pot Synthesis of Multi-Branched Gold Nanostars for Plasmonic Sensing	Ms. Saranya Nirathut
AC-P-66	Authentication and Quantification of Natural Indigo Paste for Standard Development	Ms. THIRADA SUKTHAM
AC-P-67	Real-time wastewater H_2S monitoring using a miniaturized electrochemical sensor module	Ms. Chinnawee Viwattanakul
AC-P-68	Portable Electrochemical Sensor for the Rapid Detection of 4-Methylbenzylidene Camphor (4-MBC) using Anodically Pretreated Screen-Printed Graphene Electrodes	Mr. Passakorn kulkua
AC-P-69	Development of molecularly imprinted nanocomposite electrochemical sensor for norfloxacin detection	Ms. Thitima Thatujirangkul
AC-P-70	Development of an Integrated Electrochemical-Microfluidic Platform for Lactose Detection	Ms. Supawadee Supanirat
AC-P-71	Ready-to-use serotonin sensor using polyacrylamide gel electrolyte integrated with WS_2/MoS_2 nanocomposite modified screen-printed graphene electrode	Ms. Chutimananta Tungpituckpong
AC-P-72	Distance-based analytical device for the simultaneous determination of thiocyanate and nicotine in salivary of tobacco smokers	Ms. Pattarawee Somboonyookamol
AC-P-73	A novel biosensing platform for glucose and lactate detection using Prussian Blue–poly(3,4-ethylenedioxythiophene)–gold nanoparticles nanocomposite and 3D nitrogen-doped graphene aerogel	Ms. Supapich Rompotong
AC-P-74	An origami-inspired electrochemical paper-based aptasensor for neuropeptide Y detection	Mrs. Sirajit Rayanasukha

Poster Presentation II : 13 Feb 2026		
Session : Analytical Chemistry		
Presentation Code	**Topic**	**Presenter**
AC-P-75	An electrochemical sensor based on ZIF-67 and copper oxide for the determination of tetracycline in pharmaceutical samples	Ms. Pattanan Chantapim
AC-P-76	Highly Sensitive Electrochemical Sensor for the Amitraz Detection based on Perylene Tetracarboxylic Acid/Mesoporous Carbon/Nafion Modified Electrode	Asst.Prof.Dr. preeyaporn reanpang
AC-P-77	AN ELECTROCHEMICAL APTASENSOR FOR CORTISOL DETECTION BASED ON DNAZYME SIGNAL AMPLIFICATION AND HAIRPIN APTAMER STRATEGY	Mr. Passakorn Pomngoen
AC-P-78	Simultaneous electrochemical determination of Pb(II) and Cd(II) using metal nanoparticle/MWCNTs-modified screen-printed carbon electrode.	Ms. Nattavipa Chuekhum
AC-P-79	Three-dimensional porous Au@Cu bimetallic nanostructure for nonenzymatic electrochemical glucose sensing	Ms. Natha Nontipichet
AC-P-80	A low-cost gold leaf electrochemical sensor for detecting formaldehyde adulteration in food	Mr. Supakron Kittikomoldej
AC-P-81	Determination of Available Soil Nitrogen Using Flow Injection Conductometry Coupled with Column Extraction	Dr. Priyapan Posri
AC-P-82	Microwell Plate with Headspace Tape-Based Colorimetric Assay for Nitrite Detection	Ms. Pichayaporn Nuihuaykaew
AC-P-83	Preliminary Study of Closed-Bipolar Electrochemiluminescence for Indirect Iron(lll) Detection	Ms. Supharada Phokhabut
AC-P-84	Bismuth-Modified Stainless Steel Ring Electrodes as Economic Tools for Anodic Stripping Voltammetry of Heavy Metals	Mr. Hilmee Abdullah
AC-P-85	A sensitive electrochemical sensor for thiocyanate based on a modified screen-printed carbon electrode	Asst.Prof.Dr. Supada Khonyoung

Poster Presentation II : 13 Feb 2026		
Session : Analytical Chemistry		
Presentation Code	**Topic**	**Presenter**
AC-P-86	Electrochemical Sensing of Glutathione via Thiol–Metal Interaction at Cu(II)@MIL-100(Fe) Modified Electrodes	Ms. Chanida Jakkrawhad
AC-P-87	Electrochemical Halogenation and Layer Exfoliation of Copper Phthalocyanine for Flexible Humidity Sensors	Ms. Busarakham Ngokpho
AC-P-88	Development of gold-coated screen-printed carbon electrode for voltammetric determination of cadmium	Dr. Chidkamon Thunkhamrak
AC-P-89	Flow-Based Anodic Stripping Voltammetric Detection of Hg(II) Using a Gold-Leaf Sensor	Ms. Monarada Panuwatsuk
AC-P-90	Portable Colorimetric µPAD Integrated with 3D-Printed Microchannels for Forensic Gunshot Residue Analysis	Ms. Piyapa Junmon
AC-P-91	A simple extraction procedure and a flow injection amperometric system for determination of phosphorus in soil	Dr. Tharinee Sridara
AC-P-92	LC-MS/MS based determination of primary aromatic amines in food contact materials for food safety assessment	Dr. JUTATHIP LAPVIBOONSUK
AC-P-93	Method Development of nitrosamines determination in processed meat products by gas chromatography - mass spectrometry	Ms. Issara Petyim
AC-P-94	A Comprehensive Investigation of PFAS Contamination in Food Contact Materials, Paper Products, and Water: A Case Study	Dr. Savarin Sinaviwat
AC-P-95	Rapid detection of Infectious Spleen and Kidney Necrosis Virus (ISKNV) using lateral flow immunoassay	Ms. Kwanchanok Wajasen
AC-P-96	Enzymatic Modification of Leaf Waste-Derived Peptides Using Protease Enzymes	Ms. Nahathai Paenthong
AC-P-97	Dual applications of protein–polyphenol interactions: catechin–papain complex for biosensing and meat tenderization	Asst.Prof.Dr. Nichanun Sirasunthorn

Poster Presentation II : 13 Feb 2026		
Session : Analytical Chemistry		
Presentation Code	**Topic**	**Presenter**
AC-P-98	Application of hyperspectral NIR imaging for prediction of total soluble solids (TSS) in sweet corn	Dr. Sujitra Funsueb
AC-P-99	Chemometric-Enhanced Electrochemical Sensor for Quantitative Determination of Sulfite Preservatives	Dr. Sakunna Wongsaipun
AC-P-100	Data Wrangling for Gamma Spectroscopy Report File	Ms. Kalaya Changkrueng

Date : 12 Feb 2026				
Session : Catalytic Chemistry				
Room : G11				
Time	**Presentation Code**	**Topic**	**Presenter**	**Section**
14.30-14.55	CC-K-01	Zeolite Catalysis for a Sustainable Chemical Industry	Professor Dr. Emiel Hensen	**Oral 1A** **Chairman :** Assoc. Prof. Dr. Chularat Wattanakit **Co-Chair :** Asst. Prof. Dr. Jenny Rizkiana
14.55-15.15	CC-I-01	Size and surface design of titania and BiOX nanoparticles	Professor Dr. Makoto Ogawa	
15.15-15.30	CC-O-01	Glucose Isomerization over H-Faujasite Zeolite: A Combined Experimental and Theoretical Study	Ms. Tharinee tiabkhunthod	
15.30-15.45	CC-O-02	Effect of chemical and physical modification of H-Beta zeolite on catalytic performance for 5-Hydroxymethylfurfural production from molasses compounds	Ms. Watsamon Chuphueak	
15.45-16.00	CC-O-03	Enhanced Photocatalysis by Visible-Light-Active $SrTiO_3$/BiOBr Composites	Ms. Punyanuch Thammaacheep	
16.00-16.10	**Coffee Break**			
16.10-16.35	CC-CST Award-05	Designing Effective Electrodes for Electrochemical CO_2 Reduction to Chemicals	Dr.Pongkarn Chakthranont	**Oral 1B** **Chairman :** Professor Dr. Emiel Hensen **Co-Chair :** Professor Dr. Yu-Hsu Chang
16.35-16.50	CC-O-04	Hydrogenation of waste cooking oil using ethanol as hydrogen donor catalyzed by cobalt molybdenum supported on gamma alumina catalyst	Ms. Gunniga Phoonsawas	
16.50-17.05	CC-O-05	Preparation of functionalized nanocellulose via acid hydrolysis for catalytic combustion applications	Ms. Tanapornpan Komase	
17.05-17.20	CC-O-06	Tween 80-Assisted Synthesis of CdS/Bi_2MoO_6 Nanocomposites for Catalytic Ozonation of Cyclophosphamide	Mr. Shutai OU	
17.20-17.35	CC-O-07	Development of cost-effective NiMo/MgO catalyst from acid-pretreated MgO for simultaneous production of CNTs and syngas from biogas	Ms. Napassorn Sukwanichwichai	

Date : 13 Feb 2026				
Session : Catalytic Chemistry				
Room : G11				
Time	**Presentation Code**	**Topic**	**Presenter**	**Section**
08.30-08.55	CC-K-02	Mechanistic insights into oxygen evolution and nitrate reduction reactions using in-situ NAP-XPS and operando Raman spectroscopy	Professor Dr. Yu-Hsu Chang	**Oral 2** **Chairman :** Professor Dr. Alexander Kuhn **Co-Chair :** Professor Dr. Tawan Sooknoi
08.55-09.20	CC-K-03	Challenges and opportunities in the production of ethylene glycol from lignocellulosic biomass via hydrogenolysis over W and Ni catalyst	Professor Dr. María Pilar Ruiz Ramiro	
09.20-09.40	CC-I-02	Catalyst development and mechanistic insights for glycerol hydrogenolysis to propanediols: A perspective from indonesia's renewable feedstock	Asst. Prof. Dr. Jenny Rizkiana	
09.40-09.55	CC-O-08	Hydroxylamine Intermediate Governs Selectivity in Nitrite Hydrogenation on Pd-based Catalysts for Sustainable Water Treatment	Mr. Janek Betting	
09.55-10.10	CC-O-09	Reversible Cu^{+}/Cu–H active sites in $CuMgAlO_x$ catalysts derived from layered double hydroxides as active sites for selective hydrogenation of fatty acid methyl esters	Assoc.Prof.Dr. Kittisak Choojun	
10.10-10.25	CC-O-10	Hydrogenation Of Glucose to Sorbitol Using Nickel Boride on Zeolite Support Catalysts	Mr. Moh Nadhif Mauluddin	
10.25-14.20	**Coffee Break**			
14.20-14.40	CC-I-03	Multifunctional semiconductor Janus micro- and nanoparticles with enhanced photocatalytic efficiency for green hydrogen production and depollution	Professor Dr. Alexander Kuhn	**Oral 3** **Chairman :** Professor Dr. Makoto Ogawa **Co-Chair :** Professor Dr. María Pilar Ruiz Ramiro
14.40-15.00	CC-I-04	Asymmetric Synthesis of Chiral Compounds from CO_2 at Chiral Encoded Metal Surfaces	Assoc. Prof. Dr. Chularat Wattanakit	
15.00-15.15	CC-O-12	A synthesis of biomass-modified titanium dioxide for enhanced CO_2 photoreduction	Mr. Apinon Piboonsathaporn	

Date : 13 Feb 2026				
Session : Catalytic Chemistry				
Room : G11				
Time	**Presentation Code**	**Topic**	**Presenter**	**Section**
15.15-15.30	CC-O-13	Lead-Free Perovskite Photocatalysts and Photoelectrocatalysts Discovered via Mechanochemical and Machine-Learning-Assisted Design	Dr. Adisak Thanetchaiyakup	
15.30-15.45	CC-O-14	Enhanced CO_2 Conversion to C_{5+} hydrocarbons Over Metal Oxides Derived from Layered Double Hydroxides	Ms. Narasiri Maineawklang	

Poster Presentation I : 12 Feb 2026		
Session : Catalytic Chemistry		
Presentation Code	**Topic**	**Presenter**
CC-P-03	Praseodymium (Pr) single atom modified graphitic carbon nitride (g-C_3N_4) photocatalyst: optimizing charge separation for efficient CO_2 reduction and organic pollutant degradation	Ms. Nisita Samart
CC-P-04	Enhanced visible-light photocatalytic performance of K-modified g-C_3N_4 for solar-driven RhB degradation and CO_2 reduction	Mr. Phuminan Chaloemsawatwong
CC-P-05	Atomically dispersed Cu on g-C_3N_4 nanosheets via metal vapor exfoliation for CO_2 photoreduction under simulated solar light	Dr. Tammanoon Chankhanittha
CC-P-06	Enhanced Methanol Oxidation Performance of Pt Catalysts Supported on Polyaniline-Modified Graphene Oxide for Direct Methanol Fuel Cells	Ms. Satita Sudrungruang
CC-P-07	Bimetallic Electrocatalysts for the Electrochemical Oxidation of 5-Hydroxymethylfurfural (HMF) to 2,5-Furandicarboxylic Acid (FDCA)	Ms. Kamolpun Wantasunthorn
CC-P-08	Metal-organic framework-based photocatalysts for oxidative desulfurization in model fuel	Ms. Pitchapha Semangoen
CC-P-09	Tunable C_4–C_6 hydrocarbon formation via acetylene–ethylene cross-metathesis over mesoporous WO_3/MCM-41 catalyst	Mr. Kong Wongduang

Poster Presentation I : 12 Feb 2026		
Session : Catalytic Chemistry		
Presentation Code	**Topic**	**Presenter**
CC-P-10	Cross Coupling Reactions with Pd@UiO-66-SO_3H Metal Organic Framework: A Combined Experimental and Theoretical Study	Ms. Phakthira Suwadit
CC-P-11	Sustainable Non-Oxidative Dehydrogenation of Bioethanol to Acetaldehyde over Silanol-Rich Cu-MOR Nanocatalysts	Ms. Chomphunuch Wansa
CC-P-12	Density Functional Theory Study of CO Adsorption on Pt and High-Entropy Alloy Catalysts during Carbon Monoxide Oxidation	Ms. Wannisa Chomwilai
CC-P-13	Aza-BODIPY–Modified Carbon Supports for Electrodeposited Pt Catalysts in Alcohol Oxidation	Ms. Natnicha Ingongngam
CC-P-14	Chemical Modification of CNTs Enables High-Performance noble metal Electrocatalysts for Alcohol Oxidation	Ms. Siripon Wattanasing
CC-P-15	Pt/Polypyrrole-Modified Carbon Electrocatalysts for Efficient Alcohol Oxidation in Direct Alcohol Fuel Cells	Ms. Parisa Klanarong
CC-P-16	Preparation of Ru@NiFe-Layered Double Hydroxide for Efficient Hydrogen Evolution Reaction	Ms. Phakchira Nakhun
CC-P-17	Hydrodefluorination of Aryl Fluorides Using Bimetallic PdPt Nanoparticles Supported on Lanthanum Oxyfluorosilicate	Ms. Sutthita Baipokthong
CC-P-18	Synthesis of cyclic carbonates from carbon dioxide using reusable aluminum(sulfonato salen) as catalyst	Mr. Manussapon Chitmanus
CC-P-19	Carbon Quantum Dot-Modified Ni-Based Dual-Functional Catalysts for Integrated CO_2 Capture and Hydrogenation to Methane	Ms. Pim-on Bantaotuk
CC-P-20	Enhanced Electrocatalytic Glycerol Oxidation on Graphene-Modified Ni/Cu Electrodes	Ms. Natthaya Nahlong
CC-P-21	Role of carbon quantum dots in boosting CO_2-to-CH_4 hydrogenation performance of Ni–Silica-spherical catalysts	Ms. Yanisa Sumranjit
CC-P-22	Promotional Effect of Zirconium Doping in CeO_2 Shell of $LaNiO_3$–Based Core–Shell Perovskite Catalyst for Dry Reforming of Mathane	Ms. Nattanit Atthpradit

Poster Presentation I : 12 Feb 2026		
Session : Catalytic Chemistry		
Presentation Code	**Topic**	**Presenter**
CC-P-23	Degradation of Methylene Blue with Cu(II)-Quinoline Complex Immobilized on Silica Support as a Photo-Fenton-like Catalyst	Assoc.Prof.Dr. Ratanon Chotima
CC-P-24	Theoretical investigation on the role of external oxygen facilitating oxidative dehydrogenation of hydrogen sulfide on Fe-based oxide catalysts	Dr. Tinnakorn Saelee
CC-P-25	Interfacial Redox Coupling in Ag/CeO_2 Nanocubes for Efficient Aqueous Oxidation of 5-HMF to FDCA	Ms. Ladda Muangsri
CC-P-26	TEA-Assisted CO_2 Capture and Photocatalytic Methanol Synthesis Using Cu/ZnO–CeO_2 Hexagonal Nanoplates	Assoc.Prof.Dr. karaked Tedsree
CC-P-27	Photodegradation of methylene blue using SnS_2/MCM-41 and SnS_2/MCM-48 compared to TiO_2-P25	Ms. Saruta Mueangkhun
CC-P-28	Structure-Activity Relationship of Ammonia Activated Nickel Catalyst Supported in SiO_2-CaO from Sludge Waste for Dry Reforming of Methane	Mr. Hti Moo

Date : 13 Feb 2026				
Session : Chemical Education				
Room : G2				
Time	**Presentation Code**	**Topic**	**Presenter**	**Section**
08.30-08.50	CE-I-01	Smallscale Chemistry for Malaysian Classrooms: Strengthening STEM Education Through National and ASEAN Collaboration	Prof.Dr.Rizafizah Othaman	**Oral 2** **Chairman :** Prof. Dr. Thanit Praneenararat **Co-Chair :** Assoc.Prof.Dr. Chatree Faikhamta
08.50-09.10	CE-I-02	Advancing Chemical Safety and Security Awareness in Tertiary Education: A Pilot Initiative for Responsible Chemistry	Assoc.Prof.Dr.Easir A Khan	
09.10-09.30	CE-I-03	AI and its applications in chemical education	Dr. Pinnaree Tea-makorn	
09.30-09.55	CE-CST Award-04	Reconceptualizing Chemistry Education Research: From Conceptual Understanding to Competency Development for Sustainable Futures	Assoc.Prof.Dr. Chatree Faikhamta	
09.55-10.10	CE-O-01	Design and development of a competitive board game for enhancing conceptual understanding and student engagement in IUPAC nomenclature learning in senior secondary education	Mr.Pannawich Jaratape	
10.10-10.25	CE-O-02	Development of a three-tier diagnostic test to assess conceptual understanding of stoichiometry in grade 10 students	Ms.Nanphat Thamnimitchok	
10.25-10.40	CE-O-03	Lichen learning module: A resource to enhance organic chemistry understanding through spot tests and TLC	Dr.Rozida Mohd Khalid	

Poster Presentation I : 12 Feb 2026		
Session : Chemical Education		
Presentation Code	**Topic**	**Presenter**
CE-P-01	Game-based learning to enhance students' understanding of coordination compound nomenclature: Addressing a persistent challenge in high school chemistry	Dr.Nuchutha Thamsumet
CE-P-02	Shades of silver: A STEAM activity linking nanochemistry and art through stained glass film creation	Dr.Duangkhae Srikun
CE-P-03	Application of artificial intelligence in determining the equivalence point from S-curve data and its first derivative in acid-base titration experiments at Mahidol Wittayanusorn School	Dr.Sarote Boonseng
CE-P-04	Integrating herbal Science and Cosmetic Chemistry to enhance learning among high school students	Dr.Sirihathai Srikwanjai
CE-P-05	Integration of Chemistry and Art through the Development of Natural Colorants from *Dendrobium Sonia 'BOM'* Orchid to Enhance Creative Learning	Mr.Weerawut Tiankao
CE-P-06	Development of the BASIS Model (Bioorganic–Active–Sustainability–Integration System) as a Transformative Pedagogy for Integrating Bioorganic Chemistry and Sustainability Concepts among Upper Secondary Students	Dr.Sorachai Sae-lim
CE-P-07	Development and effectiveness of a 360-degree virtual chemistry laboratory for pre-service chemistry teachers	Mrs.Wimonnan Pongpatrakant
CE-P-08	Development of a Low-Cost Multi-Sensor Automatic Titrator with Real-Time Data Analysis for the Study of Reaction Equivalence and Enthalpy	Mr.Pichamon Jittaviriyapong
CE-P-09	Bioethanol production from pigment-extracted Riceberry rice residue	Mrs.Paweerisa Namap
CE-P-10	Developing observation and classification skills on the topic of chemicals in daily life using a board game with the 5e learning approach for vocational students	Mr.Tinnakrit Warisson
CE-P-11	A Story-Based Approach to Stoichiometry Using Vinegar as Context	Mrs.Suraswadee Manee

Date : 12 Feb 2026				
Session : Environmental Chemistry and Renewable Energy				
Room : G9				
Time	**Presentation Code**	**Topic**	**Presenter**	**Section**
14.30-14.55	EE-K-01	Novel nitrogen removal from wastewater: toward energy- and resource-efficient solutions for a circular bioeconomy	Prof.Dr. Tawan Limpiyakorn	**Oral 1A** **Chairman :** Assoc.Prof.Dr. Ekasith Somsook **Co-Chair :** Prof.Dr. Shabbir Gheewala
14.55-15.15	EE-I-01	Integrating RAG-AI and citizen science for real-time fish safety assessment in transboundary mining-impacted watersheds	Assoc.Prof.Dr. Tanapon Phenrat	
15.15-15.30	EE-O-02	Analysis of cadmium in sediments by atomic absorption spectroscopy	Dr. Nattapong Srisook	
15.30-15.45	EE-O-03	Development of wastewater treatment system for coconut jelly processing entrepreneurs	Dr. Amornpon Changsuphan	
15.45-16.00	EE-O-05	Photocatalytic Degradation of Tetracycline Using Magnetic $MnFe_2O_4$/Biochar Nanocomposite	Dr. Alvin Lim Teik Zheng	
16.00-16.10	**Coffee Break**			
16.10-16.30	EE-I-02	The Holy River Ganga: A Lifeline for Millions	Asst.Prof.Dr. Dinesh Gupta	**Oral 1B** **Chairman :** Assoc.Prof.Dr. Ekasith Somsook **Co-Chair :** Assoc.Prof.Dr. Tanapon Phenrat
16.30-16.45	EE-O-07	Sustainable and Clean Power Generation from Human Footsteps in a Metro Rail Environment	Mr. Abtahi Taqui	
16.45-17.00	EE-O-09	Synergistic n-caproic acid production via co-culture of Enterococcus faecalis isolate VT-H1 and Clostridium kluyveri	Ms. Suttavadee Junyakul	
17.00-17.15	EE-O-10	Innovative development of clay-based proton exchange membrane for microbial fuel cell	Ms. Nachaya Phoopanna	

Date : 13 Feb 2026				
Session : Environmental Chemistry and Renewable Energy				
Room : G9				
Time	**Presentation Code**	**Topic**	**Presenter**	**Section**
08.30-08.55	EE-K-02	Are renewable energy systems always sustainable? A life cycle perspective	Prof.Dr. Shabbir Gheewala	**Oral 2** **Chairman :** Assoc.Prof.Dr. Ekasith Somsook **Co-Chair :** Asst.Prof.Dr. Dinesh Gupta
08.55-09.15	EE-I-03	Nanostructured metal and metal oxide-based catalysts for waste valorization	Asst.Prof. Sudarsanam Putla	
09.15-09.30	EE-O-11	Development of a zeolite-based odor control agent from biomass ash for application in recycled plastic-modified asphalt	Dr. Nicha Prigyai	
09.30-09.45	EE-O-12	Experimental study and computational fluid dynamics modeling of bioethanol production from rice straw	Mr. Chitsanupong Uengudornbhakdee	
09.45-10.00	EE-O-13	Hierarchical Porous Carbon via Microwave-Assisted Starch Gelatinization for High-Performance Supercapacitors	Ms. Pharini Chaison	
10.00-10.15	EE-O-19	Tribological Performance of Carbon Nanomaterial-Modified Bio-Hydrogenated Diesel Under Reciprocating Contact	Mr. Taiphop Janrod	
10.15-10.30	EE-O-20	In-Situ Al-Doped ZnO Electrodes for High-Energy Asymmetric Supercapacitors and Durable Yarn-Based Flexible	Ms. Siriwas Suptawornkul	
10.30-14.30	**Coffee Break**			
14.30-14.50	EE-I-05	Ultrafine particles in urban atmosphere: advances and challenges	Dr. Win Trivitayanurak	**Oral 3** **Chairman :** Assoc.Prof.Dr. Ekasith Somsook **Co-Chair :** Prof.Dr. Shabbir Gheewala
14.50-15.05	EE-O-21	3D Ni-doped rouaite architectures enabling superior supercapacitive and oxygen evolution performance	Ms. Vipada Petson	
15.05-15.20	EE-O-22	Dual-Salt Electrolytes for Dendrite Suppression in Lithium Metal Batteries	Ms. Naruemon Apinyakul	

Date : 13 Feb 2026				
Session : Environmental Chemistry and Renewable Energy				
Room : G10				
Time	**Presentation Code**	**Topic**	**Presenter**	**Section**
08.55-09.15	EE-I-04	Greener Phosphorus Chemistry: Redox-Neutral Pathway to Bulk Chemical Synthesis	Prof.Dr. Jan Weigand	**Oral 2** **Chairman :** Assoc.Prof.Dr. Mrigendra Dubey
09.15-09.30	EE-O-14	Development of cathode material from torrefied Napier grass-derived activated carbon for sodium-ion capacitor	Ms. Phoipailin Chummek	
09.30-09.45	EE-O-15	Sustainable anode material from Durian peel-derived hard carbon with graphene oxide for sodium-ion batteries	Ms.Waritsara Chaioan	
09.45-10.00	EE-O-16	Synergistic effects of fluorine and sulfur-containing additives on electrochemical performance in glyme-based electrolytes for sodium-ion batteries	Ms. Nattida Maeboonruan	
10.00-10.15	EE-O-17	Performance Improvement of Low-energy Direct Regeneration of Spent Lithium Iron Phosphate ($LiFePO_4$) Batteries	Dr. Parimol Tippayamalee	
10.15-10.30	EE-O-18	Effect of Al Loading on the Conversion of Glucose to 5-Hydroxymethylfurfural over HPW/Al-SBA-15 Catalysts	Ms. Pitchaya Palinsukhon	
10.30-14.30	**Coffee Break**			
14.30-14.50	EE-I-06	Molecular engineering to achieve multi-functional soft materials	Assoc.Prof.Dr. Mrigendra Dubey	**Oral 3** **Chairman :** Asst.Prof.Dr. Dinesh Gupta **Co-Chair :** Asst.Prof. Sudarsanam Putla
14.50-15.05	EE-O-23	Direct Regeneration of Spent Lithium Iron Phosphate ($LiFePO_4$) via Oxidative Leaching and Relithiation	Ms. Pharida Homket	
15.05-15.20	EE-O-24	Electrochemical Behavior of Macadamia Shell-Derived Activated Carbon in Various Neutral Aqueous Electrolytes for Supercapacitor	Mr. Kemchat Ruenroengrit	
15.20-15.35	EE-O-25	Synthesis and Modification of High-Energy Manganese-based Layered Oxide Cathodes for Lithium-ion Batteries	Dr. Panawan Vanaphuti	

Poster Presentation II : 12 Feb 2026		
Session : Environmental Chemistry and Renewable Energy		
Presentation Code	**Topic**	**Presenter**
EE-P-01	Enhanced Adsorption of Reactive Dyes Using Activated Carbon from *Mimosa Pigra L.*: A Novel Approach to Textile Wastewater Treatment	Assoc.Prof.Dr. Ratana Sananmuang
EE-P-02	Development of Wastewater Treatment Procedures for Imatinib Manufacturing Facilities	Dr. Saranya Juntrapirom
EE-P-03	Development of Xylem-based Water Filtration System from Local Plants	Ms. Nareerat Kitisripanya
EE-P-04	Microwave-assisted functionalization of zeolite NaX with 3-aminopropyltriethoxysilane for arsenic removal in water	Mr. Asmi Kueji
EE-P-05	Removal of reactive red dye in synthetic sample by a simple electrocoagulation system	Asst.Prof.Dr. Orawan Kritsunankul
EE-P-06	Sustainable Production of NaOH-Activated Carbon from Cassava Rhizome for Efficient Methylene Blue Removal	Dr. Panadda Tansupo
EE-P-08	Affordable and stable paper-based electrochemical device for cyanide detection in drinking water	Dr. Sudkate Chaiyo
EE-P-09	PM2.5 emissions from stationary sources in Bangkok metropolitan region (BMR)	Mr. Jirachatr Srisean
EE-P-10	Co-hydrothermal carbonization of durian husk and polystyrene packing waste for high-quality solid biofuel production	Assoc.Prof.Dr. Apiluck Eiad-ua
EE-P-11	Carbon Footprint Assessment of a Central Instrument Center for Advancing Sustainable Laboratory Management	Dr. Sureemas Meksawangwong
EE-P-12	Determination and Health Risk Assessment for PM exposure near the road construction site at Chombueng District, Ratchaburi Province	Mr. Paitoon Mueanpetch
EE-P-13	Development of highly efficient activated carbons from agricultural wastes as adsorbents for laboratory scale water treatment in order to remove dye in wastewater from a textile fiber dyeing of One Tambon One Product (OTOP)	Ms. Umaporn Boonniti

Poster Presentation II : 12 Feb 2026		
Session : Environmental Chemistry and Renewable Energy		
Presentation Code	**Topic**	**Presenter**
EE-P-14	Response of mangrove species to sea level rise in Trang Estuary, Thailand	Ms. Phatchada Nochit
EE-P-15	Subsoil organic carbon pool in forest soils inferred from stable isotopic carbon and particle size distribution	Mr. Wutthikrai Kulsawat
EE-P-16	Development of a radiochemical method for determination of strontium-90 in soil/sediment samples using solvent extraction and cherenkov radiation detection	Dr. Pannaporn Pusomjit
EE-P-17	Sustainable biobased charcoal lighter fluid derived from biodiesel and low-emission oxygenated compounds	Dr. Parncheewa Udomsap
EE-P-18	Community-based plastic pyrolysis for circular economy and local energy substitution	Dr. Rujira Jitrwung
EE-P-19	Comparative Study of CO_2 Absorption Capacity and Energy Consumption of MEA and DEA in Four Solvent Systems: Water, Methanol, Ethanol, Acetone	Ms. Sasiphan Deenan
EE-P-20	Data-Driven Analysis of Pyrolysis Efficiency and Energy Consumption of PP, PE, and Mixed Waste Plastics toward a Sustainable Future of Chemistry	Mr. Parinya Thongyindee
EE-P-21	Combined methane reforming over Ni/Al_2O_3: stability, carbon resistance, and syngas quality for methanol synthesis	Dr. Kuntima krekkeitsakul
EE-P-25	Sustainable roselle waste-derived activated carbon modified with carbendazim fungicide for high-performance supercapacitor	Asst.Prof.Dr. Nichaphat Thongsai
EE-P-26	Valorization of kratom (*Mitragyna speciosa*) leaf residues for bio-briquette fuel and high-purity cellulose production	Ms. Lalita Thummawut

Poster Presentation II : 12 Feb 2026		
Session : Environmental Chemistry and Renewable Energy		
Presentation Code	**Topic**	**Presenter**
EE-P-27	Stability of alkaline metal oxide catalysts prepared from various shellfish via microwave-assisted transesterification of natural oil for biodiesel production	Dr. Anusorn Vorasingha
EE-P-28	Hydrothermal Carbonization of Palm Empty Fruit Bunches: Influence of Temperature and Reaction Time on Gas and Liquid Products	Mr. Wanchana sisuthog
EE-P-29	Recent development in bio-based thermal insulation from native agricultural residues	Asst.Prof.Dr. Waraporn Rattanongphisat
EE-P-30	Synergistic effect of CuO with polyaniline as a capacitive enhancer for high-performance supercapacitors	Ms. Buachompoo Pengkred
EE-P-32	Effect of Ni substitution by Al on hydrogen storage properties of $La_{0.6}Ce_{0.4}Ni_5$	Ms. Piyathida Termsombut
EE-P-33	Silicon-nitride matrix–assisted stabilization of core–shell C–Si–N composite negative electrodes for lithium-ion batteries	Prof. Dr. Soon-Ki Jeong

Date : 12 Feb 2026				
Session : Food, Agriculture, and Cosmetics				
Room : G5				
Time	**Presentation Code**	**Topic**	**Presenter**	**Section**
14.30-14.55	FA-K-01	Current trends on the applications of in vitro digestion models to foods	Prof.Dr. Khongsak Srikaeo	**Oral 1A** **Chairman :** Assoc.Prof.Dr.Riantong Singanusong **Co-Chair:** Dr. Khomson Suttisintong
14.55-15.10	FA-O-01	Optimizing Sous-Vide Cooking for Nutritional Preservation and Functional Quality of Chicken Breast	Ms.Chalita Kaewkhow	
15.10-15.25	FA-O-02	Optimization of Ultrasound-Assisted Extraction of Caryota mitis Lour Fruit and Its α-Glucosidase Inhibitory and Antioxidant	Mr. Jarturong Chokpipatporn	Oral 1A Chairman : Prof.Dr.Khongsak Srikaeo Co-Chair: Dr. Khomson Suttisintong
15.25-15.40	FA-O-03	Upcycling Whole Tomato Pomace into Functional Cosmetic Oils through Comparative Extraction and Bioactive Evaluation	Dr.Nattawut Whangsomnuek	
15.40-15.55	FA-O-04	Chemical and Contaminant Profiling of Thai Coffee: Influence of Post-Harvest Practices on Quality and Safety	Dr. Wasinee Pholauyphon	
15.55-16.10	FA-O-05	Rice wine residues as a promising low-cost phytase source in poultry feed	Ms. Anchalee Namsri	
16.10-16.15	**Coffee Break**			
16.15-16.30	FA-O-06	Bioactive beads using pectin from watermelon peel supplemented with sodium alginate, xanthan gum and culinary herb extract for food packaging application	Ms. Issara Nillaman	Oral 1B Chairman : Prof.Dr.Khongsak Srikaeo Co-Chair: Dr. Khomson Suttisintong
16.30-16.45	FA-O-07	Fabrication of Biopolymeric Walls for Ferulic Acid Encapsulation	Mr. Zaw Myo Htet	
16.45-17.00	FA-O-09	The development of natural food colorant sheet derived from plant extracts	Ms. Sarocha Lapate	
17.00-17.15	FA-O-10	Preparation, Characterization and Biological activity Evaluation of Melatonin/Sangyod rice bran oil Loaded in W/O/W Pickering Emulsions stabilized by Cellulose Nanocrystals	Ms. Athitaya Boonmas	

Date : 12 Feb 2026				
Session : Food, Agriculture, and Cosmetics				
Room : G5				
Time	**Presentation Code**	**Topic**	**Presenter**	**Section**
17.15-17.40	FA-CST Award-03	Synthesis and efficacy evaluation of amino acid-based tetradentate ligands as copper chelators for hydroponic cultivation of *lactuca sativa* L.	Dr. Khomson Suttisintong	

Poster Presentation II : 13 Feb 2026		
Session : Food, Agriculture, and Cosmetics		
Presentation Code	**Topic**	**Presenter**
FA-P-01	Relationship between Taste and Bioactive Compounds of Powdered Mature Ginger (*Zingiber officinale Roscoe*) Using Electronic Tongue and LC-MS/MS	Ms. Montakan Aimkaew
FA-P-02	The practical extraction method of mitragynine from kratom leaves in a large-scale for the industrial application	Mr. Suntisuk Sinthunakorn
FA-P-03	Differential scanning calorimetry analysis of muscle protein denaturation in sous vide cooking of black chicken breast	Ms. dollaporn Katetubtim
FA-P-04	Heat effect on protein denaturation and physiochemical properties of muscle black-meat chicken breast	Ms. Kamonthip Thorapup
FA-P-05	Protein fractions from Asian watermeal (*Wolffia globosa* (Roxb.) Hartog & Plas) obtained via ultrafiltration and dialysis: Physicochemical properties and nutritional potential	Assoc.Prof.Dr. Kangsadan Boonprab
FA-P-06	Modification of Hyacinth bean (*Lablab purpureus*) Protein Isolate Characteristics Using Atmospheric Cold Plasma	Mr. Pratik Madhukar Gorde
FA-P-07	Analysis of inorganic anions in rice by capillary electrophoresis	Dr.Supalak Kongsri
FA-P-08	Antioxidant activity and total phenolic content of *Cannabis sativa* L.subsp. indica extract in coconut oil	Asst.Prof.Dr. Pensri Penprapai
FA-P-09	Characterization, stability, and antioxidant activity of curcumin encapsulated into beta-glucan using an ultrasound-assisted method	Ms. Saifon A. Kohnhorst
FA-P-10	Development of cream serum from *Melodorum fruticosum* twig extract : phenolic content, antioxidant activity, and formulation	Asst.Prof. Kongaphisith Tongpoolsomjit

Poster Presentation II : 13 Feb 2026		
Session : Food, Agriculture, and Cosmetics		
Presentation Code	**Topic**	**Presenter**
FA-P-12	Analysis of Pectin Fractions from Mung Bean Meal: From Extraction and Structural Characterization to *In Vitro* Digestion and Antioxidant Activity	Ms. Kanyakorn Permpoo
FA-P-13	Biological Activities of a Functional Beverage from Coffee Silverskin and Thai Herbs Before and After Simulated In-Vitro Digestion	Ms. Rusda Sangprasop
FA-P-15	Comparative Effects of Solvent-Based Extraction Methods on Phenolic Constituents and Antioxidant Capacity DPPH• in Sirindhornwallee Flower	Mr. Supakit pahonthap
FA-P-16	Exploring potassium chlorate ($KClO_3$)-induced flowering in longan through construction of recombinant overexpression plasmids.	Ms. Yanin Sangpan
FA-P-17	BeeFriend: Evaluating the Pollinator-Safe Efficacy of a Calcium Carbonate–Based Insecticide Derived from Upcycled Mussel Shell Waste	Ms. Sirinda Chalermthiralert
FA-P-18	Sulfite Analysis in Fruit Juices Using Differential Pulse Voltammetry with an Unmodified Screen-Printed Graphene Electrode	Asst.Prof.Dr. Sasithorn Muncharoen
FA-P-19	Evaluation of Safety and Characteristics of Local and Newly Developed Rice Varieties	Dr. Usana Mahanitipong
FA-P-20	Determination of Cd and As and risk assessment in Thai rice	Ms. Supalak Kongsri
FA-P-21	Effect of Feed Supplement from Plu Kao (*Houttuynia cordata*) Extracted Mixed with Cream from Coconut Milk on Growth Performance and Survival Rate of Giant Freshwater Prawn (*Macrobrachium rosenbergii*)	Asst.Prof.Dr. Norasing penprapai
FA-P-22	Biomass-Derived Resources for CO_2 Conversion Catalysts: Advancing Sustainable Chemical Production	Ms. Nomklao Tiennawa
FA-P-23	Value-Added Utilization of Asian Seabass (Lates calcarifer) Scales Waste through Citric Acid Extraction and Structural Analysis	Ms. Thunchanok Pongduang
FA-P-24	An Encapsulated Anti-ripening Agent for Shelf Life Extension of Postharvest Agricultural Products	Mr. Tunyawat Khrootkaew

Poster Presentation II : 13 Feb 2026		
Session : Food, Agriculture, and Cosmetics		
Presentation Code	**Topic**	**Presenter**
FA-P-25	Eco-friendly preparation and stability of isolated cannabidiol (CBD) nanoemulsions incorporating lecithin and tween 80 as emulsifiers	Dr. Trinop Promgool
FA-P-26	Optimization of maltodextrin–trehalose cryoprotectant for freeze-drying a cellulase-producing environmental bacterium	Ms. Paphawarin Rodto
FA-P-27	Cryoprotective effects of glutamic acid and skim milk on the freeze-drying survival and functional stability of a cellulase-producing environmental bacterium	Ms. Neeracha Jaroenchaisombut

Date : 13 Feb 2026				
Session : Inorganic Chemistry				
Room : G2				
Time	**Presentation Code**	**Topic**	**Presenter**	**Section**
14.30-14.55	IC-K-01	Modular silver-phosphinidenide clusters as building blocks for multidimensional metal-organic frameworks	Prof. Dr. Jan J. Weigand	**Oral 3** **Chairman :** Asst. Prof. Dr. Praput Thavornyutikarn
14.55-15.15	IC-I-01	Teaching MOF chemistry and MOF crystallography at Thai universities	Assoc. Prof. Dr. Kittipong Chainok	
15.15-15.30	IC-O-01	Symmetry-breaking and kinetic effects in spin crossover active iron(II) imidazole-imine complexes	Assoc. Prof. Dr. David J. Harding	
15.30-15.45	IC-O-02	Iron(III)-Saldien complexes as bio-inspired molecular electrocatalysts for the hydrogen evolution reaction	Ms. Tassaneewan Soisuwan	
15.45-16.00	IC-O-03	Copper(I)–thiolate coordination polymers for in situ temperature sensing in PDMS	Ms. BUQIN XU	

Poster Presentation I : 12 Feb 2026		
Session : Inorganic Chemistry		
Presentation Code	**Topic**	**Presenter**
IC-P-01	Synthesis, characterization and organic dye adsorption properties of lanthanum(III) complex containing benzene-1,3,5-tricarboxylate and sulfamate linkers	Ms. Monthakan Wongthauaon
IC-P-02	Synthesis and investigation of a doubly functionalized tris-cyclometalated iridium complex	Dr. Anuson Sansee
IC-P-03	Synthesis, crystal structures, and luminescent metal-ion sensing properties of two new cadmium(II) coordination polymers based on benzimidazole and dicyanidoargentate(I) ligands	Ms. Chompunuch Bunfrueang
IC-P-04	Synthesis of polyporous Li_2TiO_3–PVC/PVA composite for lithium recovery	Ms. Benjaporn Damrongthai

Poster Presentation I : 12 Feb 2026		
Session : Inorganic Chemistry		
Presentation Code	**Topic**	**Presenter**
IC-P-05	How substituent shape and position affect Fe(III) spin crossover in $[Fe(qsal\text{-}X)_2]NO_3 \cdot A$ complexes	Ms. Chantalaksana Chantarangkul
IC-P-06	Development method of cobalt doped TiO_2 via microwave method for adsorption and photocatalytic degradation in aqueous solution	Mr. Sukrit Pemmakitti
IC-P-07	Silica aerogels combined with graphene oxide for the fabrication superhydrophobic coatings for steel corrosion protection	Ms. Waritsara Kongchoy

Date : 13 Feb 2026				
Session : Indutrial And Engineering Chemistry				
Room : G1				
Time	**Presentation Code**	**Topic**	**Presenter**	**Section**
08.30-08.55	IE-K-01	Development of Multifunctional Hydrophobic and Antimicrobial Kraft Paper via Metal Oxide Nanoparticle Coating through Sparking Process for Sustainable Active Packaging	Prof.Dr.Pornchai Rachtanapun	**Oral 2** **Chairman :** Prof.Dr.Pornchai Rachtanapun **Co-Chair** : Dr. Adisorn Tuantranont
08.55-09.20	IE-K-02	Avoiding Synthetic Plastics in Agriculture	Prof.Dr.Daniel V Murphy	
09.20-09.45	IE-K-03	Novel Graphene/CNT Synthesis from Wasted Gases and Carbon dioxide toward Net-Zero Carbon Society	Dr.Adisorn Tuantranont	
09.45-10.00	IE-O-01	SMART SPRAYS: Water-based, biodegradable films for agriculture	Dr.Alexandra Gulizia	
10.00-10.15	IE-O-02	Computational fluid dynamics simulation for freeze drying of Thai herbs	Ms.Supawan Amonpan	
10.15-10.30	IE-O-04	Modeling and Optimization of Non-Ideal Flow Tubular Reactors for Polybutylene Succinate Production	Ms.Soparat Jarukunpanich	

Poster Presentation I : 12 Feb 2026		
Session : Indutrial And Engineering Chemistry		
Presentation Code	**Topic**	**Presenter**
IE-P-01	Modified Activated Carbon with TiO_2 Photocatalyst for Remazol Red 3BS Dye Removal	Mr.Prechawit Tansaynee
IE-P-02	Valorization of Agricultural Waste: Production and Quantitative Analysis of 5-hydroxymethylfurfural from Ripen Mango Peels Using Extraction with Deep Eutectic Solvents	Ms.Wiracha Chomchoed
IE-P-03	Valorization of Agricultural Waste Cocoa Pod Husks: Pectin Extraction, Quantification, and Enzymatic Conversion to Galacturonic Acid	Mr.Saksith Sermsuwan

Poster Presentation I : 12 Feb 2026		
Session : Indutrial And Engineering Chemistry		
Presentation Code	**Topic**	**Presenter**
IE-P-04	Process Optimization and Scale-Up of Stannous Cold Kit for Tc-99m Red Blood Cell Labeling	Mrs.Thidarat Kohud
IE-P-05	Improving cyclohexane production from benzene hydrogenation via plantwide control	Ms.Natthasini Sakulkittimasak
IE-P-06	Improvement of Wastewater Treatment Process from the Fischer-Tropsch Process Using Plantwide Control	Ms.Natthasuda Sakulkittimasak
IE-P-07	Predictive Analytics and Multi-Output Machine Learning for Rational Design of Biochar Properties and Yields	Dr.Natthapong Sueviriyapan

Date : 12 Feb 2026				
Session : Materials Science and Nanotechnology				
Room : G10				
Time	**Presentation Code**	**Topic**	**Presenter**	**Section**
14.30-14.55	MN-K-01	Polymer Photocatalysts for Artificial Photosynthesis: From Molecular Design to AI-Accelerated Discovery	Prof.Dr. Ho-Hsiu Chou	**Oral 1A** **Chairman :** Prof.Dr. Vinich Promarak **Co-Chair :** Dr. Rongrong Cheacharoen
14.55-15.20	MN-K-02	Anisotropic d^{10} Coinage Metal Organic Chalcogenolate Coordination Polymers for Optoelectronic Technologies	Dr. Aude DEMESSENCE	
15.20-15.40	MN-I-01	Rational bio-additive design for Perovskite solar cells: synergizing Lewis-base adducts and macromolecular topology	Dr. Rongrong Cheacharoen	
15.40-15.55	MN-O-01	Crystallization and Light Emission in Semiconducting Metal Organochalcogenides	Dr. Watcharaphol Paritmongkol	
15.55-16.10	**Coffee Break**			
16.10-16.30	MN-I-02	Biosynthesis and Characterization of *Clerodendrum schmidtii*-Mediated Silver Nanoparticles for Anti-Angiogenic Applications	Dr. Danila Paragas	**Oral 1B** **Chairman :** Dr. Danila Paragas **Co-Chair :** Assoc. Prof. Dr. Sutinee Girdthep
16.30-16.45	MN-O-03	Nanoprecipitation Encapsulation of Bioactive Peptide/Protein in PLGA via Benchtop Millifluidic Device	Ms. Thanyachon Tangkatitham	
16.45-17.00	MN-O-04	Extraction and Characterization of Hydroxyapatite from Tilapia and Red Tilapia Fish Scales	Mr. Yuttayong Sriraksa	
17.00-17.15	MN-O-05	Efficient visible-light photocatalysis of water dispersible silver nanocomposites protected with polyphosphoesters	Ms. Thanaporn Jullabuth	
17.15-17.30	MN-O-06	Comparative study of antioxidant properties of nitrogen and sulfur doped mangosteen peel carbon dots and its packaging application	Ms. Pongsiri Rueangprat	

Date : 13 Feb 2026				
Session : Materials Science and Nanotechnology				
Room : Maharat Hall				
Time	**Presentation Code**	**Topic**	**Presenter**	**Section**
08.30-08.55	MN-K-03	Excited State Intramolecular Proton Transfer (ESIPT) Dyes: Potential Solid-State Fluorophores for Electroluminescent Devices and Transparent Luminescent Solar Concentrators	Prof.Dr. Vinich Promarak	**Oral 2** **Chairman :** Prof.Dr. Vinich Promarak **Co-Chair :** Asst.Prof. Dr. Pawin Iamprasertkun
08.55-09.15	MN-I-03	Strong Light-Matter Interactions in 2D Materials for Optoelectronic Devices	Assoc.Prof.Dr. Surendra B. Anantharaman	
09.15-09.30	MN-O-08	SERS nanowire endoscopy for monitoring intracellular drug dynamics	Asst.Prof. Farsai Taemaitree	
09.30-09.55	MN-CST Award-09	Sustainable Electrochemical Intelligence: Road to The Development of 2D Materials	Asst.Prof.Dr. Pawin Iamprasertkun	

Date : 13 Feb 2026				
Session : Materials Science and Nanotechnology				
Room : G4				
Time	**Presentation Code**	**Topic**	**Presenter**	**Section**
08.30-08.50	MN-I-04	Material upcycling from spent single-use battery toward more sustainable rechargeable batteries	Assoc.Prof.Dr. Weekit Sirisaksoontorn	**Oral 2** **Chairman:** Assoc.Prof.Dr. Weekit Sirisaksoontorn **Co-Chair :** Asst. Prof. Dr. Bussaba Pinchaipat
08.50-09.05	MN-O-10	Fabrication of Carbon Materials from Super Sorghum Juice for Use as Electrodes in Electrochemical Energy Storage Devices via the Hydrothermal Process	Mr. Satawat Thumwong	
09.05-09.20	MN-O-11	Enhancing supercapacitance through isomer-specific nitroaniline doping and heterophase engineering of TiO_2 for high-performance supercapacitor	Ms. Patcharida Janpauk	
09.20-09.35	MN-O-12	Preparation and characterization of bio-based carbon composite for energy storage	Ms. Kaewthip Ruengchay	

Date : 13 Feb 2026				
Session : Materials Science and Nanotechnology				
Room : G4				
Time	**Presentation Code**	**Topic**	**Presenter**	**Section**
09.35-09.50	MN-O-13	Eco-friendly Synthesis and Optical Sensing Application of Carbon Dots from *Carthamus tinctorius* L. toward vanillin Detection	Mr. Tanapat wangsomboonsiri	
09.50-14.30	**Coffee Break**			
14.30-14.50	MN-I-05	Synchrotron X-ray characterizations for sustainable catalysis in alternative energy and biomass conversion	Dr. Suttipong Wannapaiboon	**Oral 3** **Chairman :** Dr. Suttipong Wannapaiboon **Co-Chair :** Dr. Jutatip Namahoot
14.50-15.05	MN-O-14	Plasma-Assisted Synthesis of Nanostructured Zeolites: Enhanced Dissolution, and Crystallization	Dr. Kachaporn Saenluang	
15.05-15.20	MN-O-15	The development of a biosensor for the detection of vanillin utilizing carbon dots synthesized from *Humulus lupulus*	Mr. Natnaphat Chuain	
15.20-15.35	MN-O-16	Investigation of the influence of banana peel–derived activated carbon incorporation on the compressive strength and formaldehyde adsorption performance of mortar	Mr. Watcharaporn Charoensuk	

Date : 13 Feb 2026				
Session : Materials Science and Nanotechnology				
Room : G8				
Time	**Presentation Code**	**Topic**	**Presenter**	**Section**
14.30-14.50	MN-I-06	Development of processable metal-organic frameworks via solid-liquid phase transition for environmental applications	Asst. Prof. Dr. Kanokwan Kongpatpanich	**Oral 3** **Chairman :** Asst. Prof. Dr. Kanokwan Kongpatpanich **Co-Chair :** Assoc. Prof. Dr. Ratanon Chotima
14.50-15.05	MN-O-17	Azo Coupling Enables Isomeric Anthraquinone Porous Organic Polymers with Enhanced Lithium-Ion Battery Performance	Mr. Sirakorn Wiratchan	

Date : 13 Feb 2026				
Session : Materials Science and Nanotechnology				
Room : G8				
Time	**Presentation Code**	**Topic**	**Presenter**	**Section**
15.05-15.20	MN-O-18	Defect engineering of nickel titanate via sodium borohydride reduction and its application in asymmetric supercapacitor with crumpled graphene as anode	Ms. Nareekarn Meebua	
15.20-15.35	MN-O-19	Development and optical study of neodymium doped soda lime silicate glass for UV-Visible spectrophotometer calibration	Dr. Ekarat Meechoowas	

Poster Presentation I : 12 Feb 2026		
Session : Materials Science and Nanotechnology		
Presentation Code	**Topic**	**Presenter**
MN-P-01	Amorphous Silicon Dioxide Nanoparticles Synthesized from Rice Husk and Their Effect on Hydrophobic Coating with Silicone Oil	Asst.Prof.Dr. Komkrich Chokprasombat
MN-P-02	Ionic liquid-modified halloysite nanotubes for catalytic conversion of CO_2 and propylene oxide to propylene carbonate	Ms. Nabhasalak Rangthong
MN-P-03	Ionic Liquid Modified Halloysite; Effects of Substituent on Reusability for Catalytic Conversion of CO_2 and Propylene Oxide to Propylene Carbonate	Ms. Pittakamol Petai
MN-P-04	Chemical modification of pineapple leaf fiber waste for enhanced adsorption of heavy metal ions from aqueous solution	Mr. Jaturavit Nimnuan
MN-P-05	Microwave-assisted acid hydrolysis for intensified and eco-efficient synthesis of cellulose nanocrystals	Mr. Chakkaphan Pho-ngernngam
MN-P-06	Tailoring Surface Wettability Through CuO Microstructure Modification	Mr. Salika Jayathilaka
MN-P-08	Preparation of plant-based powders for latent fingerprint visualization via electrocoagulation	Dr. Nopparat Plucktaveesak
MN-P-09	Hydrothermal synthesis of sulfur-doped carbon dots from caffeine and their photocatalytic performance	Assoc.Prof.Dr. Cheewita Suwanchawalit
MN-P-10	Oxidation behavior at elevated temperature in high chromium cast iron	Assoc.Prof.Dr. Amporn Wiengmoon

Poster Presentation I : 12 Feb 2026		
Session : Materials Science and Nanotechnology		
Presentation Code	**Topic**	**Presenter**
MN-P-11	Rapid and simple microwave-assisted synthesis of Bi-rich $Bi_{24}O_{31}Cl_{10}$ with enhanced visible-light-driven photocatalytic activity	Dr. Chuchai Sronsri
MN-P-12	Development of Thai Industrial Standard (TIS 3202)-compliant dry concrete products utilizing recycled concrete aggregate	Dr. Witsanu Sombat
MN-P-13	Microwave-assisted green synthesis of ZnO nanoparticles using roselle calyx extract: Surface properties and photocatalytic performance	Ms. Thanaporn Chueamuang
MN-P-14	SYNTHESIS AND APPLICATIONS OF SILICON QUANTUM DOTS FROM NATURAL SOURCES	Ms. Tanisa Saisod
MN-P-15	Corn Biochar Formulated to Interlocking Block in Relation to Physical, Mechanical and Insulation Properties	Mr. wutinai kokkamhaeng
MN-P-16	In Situ Growth of Graphitic Carbon Nitride on Interconnecting Porous Porcelain for Efficient Visible-Responsive Photocatalyst	Ms. Thamonwan Feuangfung
MN-P-17	High-activity tungsten-modified zeolite A from sugarcane bagasse ash as a catalyst for ethanol dehydration to ethylene	Ms. Darunee Sukchit
MN-P-18	Green Synthesis of Silver Nanoparticles Using Crude Extract from bunch of *Musa ABB cv. Kluai 'Namwa'* and their Antibacterial Activity	Ms. Khemitsara Sawatdee
MN-P-19	Adsorption of Cu(II) using biomass-zeolite composites and zeolite NaA and NaX	Ms. Sawitree Chaiburee
MN-P-20	Application of Faujasite-type zeolites from silica gel waste for the catalytic valorization of glycerol-to-glycerol carbonate: effect of cation types and crystal sizes	Mr. Thitinan Makchanthuek
MN-P-21	Macroscopic Shaping of Coordination Polymer Glass-Metal Nanoparticle Hybrids for Catalysis Applications	Mr. Thanakorn Tiyawarakul
MN-P-22	Eutectic behavior and electroconductivity of coordination polymer blends	Ms. Karnjana Atthawilai
MN-P-23	Enhancing Chirality and g-Factor in Chiral Gold Nanoparticles Using Cu^{2+} ions	Ms. Jesugbogo Enis
MN-P-24	Merging Art and Chemistry: UV-Induced Formation of Prussian Blue in Fe–Complex-Based Cyanotype Printing	Ms. Naon Wongsakul

Poster Presentation I : 12 Feb 2026		
Session : Materials Science and Nanotechnology		
Presentation Code	**Topic**	**Presenter**
MN-P-25	Role of Silica in Modulating the Crystal Size of g-C_3N_4	Dr. Chumphol Busabok
MN-P-26	Adsorption and detoxification of organophosphorus pesticides (OPs) by Metal-organic framework	Ms. Kunlanat Sriphumrat
MN-P-27	Quantification and Mitigation of Low-Frequency Mechanical Vibrations for Enhanced Stability in Single-Molecule Localization Microscopy	Ms. Papichaya Pooldee
MN-P-28	Modular Synthesis of Porous Organic Polymers Containing Redox-Active Disulfide as Electrode Materials for High-Performance Lithium-Sulfur (Li-S) Batteries	Mr. Wittawat Punyaarthansakun
MN-P-29	Preparation and characterization of peptide-conjugated liposomes as a drug delivery system targeting EGFR of cancer cells	Ms. Yanisa Panporm
MN-P-30	The effect of N-P Flame retardant Mixed PE Plastic waste on Flame Retardant and Mechanical properties for Construction products	Dr. Piyalak Ngernchuklin
MN-P-31	Scientific Techniques in Art Conservation: Condition Report on Brown Spotting (Foxing) in Tawan Wattuya's Watercolor-on-Paper Artworks	Ms. Kannika Sommakettarin
MN-P-32	Examination of the effect of infill pattern and infill density on mechanical and thermal properties of FDM 3D printing	Mr. Supawit Thong-um
MN-P-33	Electrochemical Determination Based on Magnetic Molecularly Imprinted Polymers for Food Allergen Detection	Assoc.Prof.Dr. Darinee Phromyothin
MN-P-34	Synthesis and properties of hydrogels from alginate and LCST-type temperature responsive polymers	Prof.Dr. Metha Rutnakornpituk
MN-P-35	Well-defined mesoporous Pt-Ru nanostructures on graphene-based screen-printed electrodes: fabrication and characterization	Dr. Sopon Butcha
MN-P-36	Enhancing PLA Film Performance with CNC-Grafted Nanofillers for Sustainable Packaging Applications	Dr. Warunya Ussama
MN-P-37	pH-responsive multifunctional core-shell microspheres for controlled drug release	Ms. Minji Han
MN-P-38	Scalable interfacial design of layered CNT/MXene heterostructures for high-performance yarn supercapacitors	Mr. Thanapat Jorn-am

Poster Presentation I : 12 Feb 2026		
Session : Materials Science and Nanotechnology		
Presentation Code	**Topic**	**Presenter**
MN-P-39	Quality improvement of $LiCoO_2$ recovered from lithium-ion battery component separation	Asst.Prof.Dr. Bussaba Pinchaipat
MN-P-40	Development of CuO electrodes via in-situ embedding of carbon dots for high-performance supercapacitors	Ms. Manatsanan Keawmala
MN-P-41	Rational design of a metal-free electrode based on porous graphene for energy storage applications	Mr. Phongpol Phothiyasanont
MN-P-42	Crucial Roles of CdS Surface Modification on Boosting Photoelectrochemical Activities of Vertically Aligned ZnO Nanostructures	Dr. Narathon Khemasiri
MN-P-43	Morphological Control of Hydrothermally Synthesized Zinc Oxide Nanorods for Highly Sensitive Nitrogen Dioxide Sensor	Mr. Khodchaphak Angkanawichith
MN-P-44	Crucial Role of Post-Annealing Treatment on Crystalline Transformation, Morphology and Photoelectrochemical Property of Fe_2O_3 Nanorods	Dr. Thanakorn Khumtong
MN-P-45	Development of electrochemical measurement of salbutamol using molecular imprinted- polymer technique with nanocopper oxide	Ms. Teeranuch Khummung
MN-P-46	A photoelectrochemical sensing of salbutamol based on CuO/g-C_3N_4 nanocomposites coupled with molecularly imprinted-polymers	Mr. Supakorn Puengvigrai
MN-P-47	Tannic Acid-Based Carbon Dots and Their Application in Metal Ion Sensing	Ms. Pakjeera Aiemsaard
MN-P-48	Application of a novel Dibenzopleiadiene monoimide for enhanced visualization of faint latent fingerprints developed by cyanoacrylate fuming	Ms. Mathawee Yoodee
MN-P-49	Fabrication of Electrodeposited Bismuth Oxyiodide Nanosheets Decorated with Gold Particles for Photoelectrochemical L-Ascorbic Detection	Mr. Jirasak Makdee
MN-P-50	3D printing of mycelium–hemp fiber composites for eco-friendly architectural materials	Duangtip Trimongkonkool
MN-P-51	3D printing of PEGDA/nano lignin composites hydrogels for advanced wound dressing applications	Thipphayapha Khammungkhun

Date : 12 Feb 2026				
Session : Natural Products, Biological Chemistry and Chemical Biology				
Room : G2				
Time	**Presentation Code**	**Topic**	**Presenter**	**Section**
14.30-14.55	NP-K-01	Hybrid anti-cancer nanomedicines based on antibody polymer drug conjugates with increased drug to antibody ratio	Dr. Tomáš Etrych	**Oral 1A** **Chairman:** Asst.Prof.Dr.Nungruthai Suphrom **Co-Chair:** Dr.Nitra Nuengchamnong
14.55-15.20	NP-K-02	Ion mobility-mass spectrometry from bulk profiling to high-resolution spatial metabolomics in *Mitragyna speciosa*	Assoc. Prof. Dr. Sakda Khoomrung	
15.20-15.45	NP-CST Award-01	Beyond flavonoids: Exploring novel bioactive compounds	Assoc. Prof. Dr. Warinthorn Chavasiri	
15.45-16.00	NP-O-01	Mechanistic insights into the anticancer effects of galloyl–flavonoid conjugates from *Boesenbergia rotunda*: A Proteomic and apoptotic perspective in human lung cancer cells	Dr. Kraikrit Utama	
16.00-16.10	**Coffee Break**			
16.10-16.25	NP-O-02	Evaluation of antioxidant activity and phytochemical composition of *Hibiscus acetosella* L. (Chaba Maple) leaf extract	Ms. Pinkaew Deepoon	**Oral 1B** **Chairman:** Dr. Tomáš Etrych **Co-Chair:** Dr.Nitra Nuengchamnong
16.25-16.40	NP-O-03	Antioxidant and anti-inflammatory activities of *Glinus herniarioides* and its anti-cancer activity on HepG2 cells	Ms.Alisa Naladta	
16.40-16.55	NP-O-04	Functional characterization of Penaeidin-3 in black tiger shrimp *Penaeus monodon*	Dr.Suwattana Visetnan	
16.55-17.10	NP-O-05	Hepatic safety assessment of prolonged oral administration of Thai red yeast rice in Sprague–Dawley rats	Ms.Parichat Arayangkoon	

Poster Presentation II : 13 Feb 2026		
Session : Natural Products, Biological Chemistry and Chemical Biology		
Presentation Code	**Topic**	**Presenter**
NP-P-01	Diterpene constituents isolated from the rhizome of *Kaempferia minuta*	Ms. Apinya Kaisoda
NP-P-02	Phytochemical constituents of *Stephania elegans* Hook. f. & Thomson and their antioxidant activity	Ms.Jittraporn Tipmala
NP-P-03	Determination of anticancer and antioxidant activities of *Curcuma globulifera* extracts	Ms. Supitcha Techapun
NP-P-04	Antioxidant activity of the crude extracts from rice straw	Dr. Orapan Apirakkan
NP-P-05	Utilizing dimethyl ether as a green solvent for extraction *Kaempferia parviflora*	Ms.Maria Grasela Kase
NP-P-06	The effect of extraction methods and solvents on the preliminary phytochemical screening, total phenolic content, and antioxidant activity of *Mimosa pigra* L. leaves	Asst.Prof.Dr. Sukanya Keawsa-ard
NP-P-07	Bioassay-guided isolation of antibacterial compounds from *Bauhinia malabarica* roots	Ms. Natchaya Sawatdirak
NP-P-08	Efficacy of various extracting solvents on the cytotoxic and anti-inflammatory properties of *Centella asiatica* in RAW 264.7 and J774A.1 Cell lines	Ms. Anchasa Laodumrongchai
NP-P-09	The secondary metabolites profile of cocoa pod husk (*Theobroma cacao* L.) waste extract and its antimicrobial activity against *Staphylococcus aureus*	Ms.Nantiyapond Thinrung
NP-P-10	Lanostane–meroterpene conjugates with unusual aryl ether linkage and a lanostane dimer from cultivated fruiting bodies of *Ganoderma* cf. *hochiminhense*	Ms. Panida Chinthanom
NP-P-11	Anti-bredt-like triterpenoids from mycelial cultures of the edible mushroom *Oudemansiella* cf. *canarii*	Ms. Malipan Sappan
NP-P-12	Comparative analysis of pyocyanin production in two environmental Pseudomonas aeruginosa isolates and the influence of amino acid supplementation	Ms. Jittima Ninjinda
NP-P-13	The biochemical effect of erianin on HCT116 colorectal cancer cell line	Mr. Weerapong Numa
NP-P-14	Sesquiterpenes from the soil-derived fungus *Trichoderma harzianum* PSU-SPSF107	Dr. Praphatsorn Saetang
NP-P-15	Phytochemical composition, bioactivities, and microemulsion formulation of caulerpin-rich extract from *Caulerpa lentillifera*	Ms.Saranya Sirimahawan

Poster Presentation II : 13 Feb 2026		
Session : Natural Products, Biological Chemistry and Chemical Biology		
Presentation Code	**Topic**	**Presenter**
NP-P-16	Antioxidant activities and total phenolic contents of *Cynanchum atratum* extracts for potential cosmetic applications	Asst.Prof.Dr. Acharavadee Pansanit
NP-P-18	Functional insights into *Tetraponera rufonigra* Venom: Phospholipase activity, membrane permeabilization and pain sensitization	Ms. Suwatjanee Naephrai
NP-P-19	Chloroquine inhibits autophagic flux and reveals nuclear LC3 translocation	Ms.Nattanicha Wuttitanuthong
NP-P-20	Analysis of the STR Locus DXS6809 in the Thai male population for forensic applications	Ms. Supapitch Techapun
NP-P-21	Antimicrobial susceptibility of *Proteus mirabilis* in pediatric patients from Southern Thailand	Ms. Phanvasri Saengsuwan
NP-P-22	Effects of beta-caryophyllene on cell viability and cell metabolism of colorectal cancer and its interaction with hepatocyte	Ms. Natwasa Poorisat
NP-P-23	The effect of iron overload on pre-osteoblast viability and differentiation potential toward osteogenic or adipogenic lineage	Ms. Chanya Chuanchat
NP-P-24	Isolation and Identification of pinitol, quinic acid, and trilobatin from aqueous leaf extract of *Lysiphyllum strychnifolium*	Ms. Tussaneetorn Chuenpratoom
NP-P-25	Synergistic anticancer activity of nisin and doxorubicin against breast cancer cells	Assoc.Prof.Dr. Panchika Prangkio
NP-P-26	Cloning and expression of recombinant legumain protein from *Trichinella spiralis*	Ms. Tanaporn Kumpradit
NP-P-27	Dual independent machine learning model for predicting antimicrobial and hemolytic properties.	Ms. Thanatchaya Pruettijarai
NP-P-28	Structural insights into how olive oil–derived fatty acids selectively activate FFARs: A Molecular simulation analysis	Dr. Pemikar Srifa
NP-P-29	Proteomic analysis of 3T3-L1 adipocytes treated with Erianin	Mr. Peeranut Chanmeun
NP-P-30	Design and in silico molecular insights of cardamonin–coumarin Conjugates as fluorescence probes for EGFR detection	Asst.Prof. Dr.Supannika Kawvised

Date : 12 Feb 2026				
Session : Organic Synthesis and Medicinal Chemistry				
Room : G3				
Time	**Presentation Code**	**Topic**	**Presenter**	**Section**
14.30-14.55	OM-K-01	IOCB compound library: Development of potent CD73 inhibitors via DIANA screening	Dr. Pavel Šácha	**Oral 1A** **Chairman :** Assoc.Prof.Dr. Tanatorn Khotavivattana **Co-Chair :** Dr. Pavel Šácha
14.55-15.15	OM-I-01	A Chemical Strategy for the rapid detection of Influenza viruses	Prof.Dr. Uday Maitra	
15.15-15.35	OM-I-02	Integrating Artificial Intelligence in Drug Discovery: Structure-and Ligand-based Rational Design for Antiviral and Anticancer Agents	Assoc.Prof.Dr. Tanatorn Khotavivattana	
15.35-15.50	OM-O-01	Discovery of novel pyridinylmethanamine/amides as potent aromatase inhibitors with anticancer activities against estrogen-receptor positive breast cancer cells	Asst.Prof.Dr. Chatchakorn Eurtivong	
15.50-16.00	Coffee Break			
16.00-16.15	OM-O-03	Deep Learning 1D-CNN Revealed Key Substructure Fragments for Small-molecules Drug Design Against Cervical Cancer	Mr. Pratchayakarnt Wongwat	**Oral 1B** **Chairman :** Assoc.Prof.Dr. Tanatorn Khotavivattana **Co-Chair :** Dr. Pavel Šácha
16.15-16.30	OM-O-04	Synthesis and in Silico Anti-inflammatory activity of Piperlongumine and its Benzoquinolizidine and Indoloquinolizidine Bioisosteres	Mr. Phongsathon Khlongkhlaeo	

Date : 13 Feb 2026				
Session : Organic Synthesis and Medicinal Chemistry				
Room : G3				
Time	**Presentation Code**	**Topic**	**Presenter**	**Section**
08.30-08.50	OM-I-03	Revisit iodine oxidation with NaI-mediated electrochemical process: a mild and green process for the synthesis of heterocycles	Prof.Dr. Sumrit Wacharasindhu	**Oral 2** **Chairman :** Prof.Dr.Tirayut Vilaivan **Co-Chair :** Assoc.Prof.Dr. Kwanruthai Tadpetch
08.50-09.10	OM-I-04	Discovery of preussin and analogues as novel hypolipidemic agents	Assoc.Prof.Dr. Kwanruthai Tadpetch	
09.10-09.25	OM-O-05	Total synthesis of Morusalisin A	Dr. Poramate Songthammawat	

Date : 13 Feb 2026				
Session : Organic Synthesis and Medicinal Chemistry				
Room : G3				
Time	**Presentation Code**	**Topic**	**Presenter**	**Section**
09.25-09.40	OM-O-06	Structural, Characterization and Multifunctional Performance of Pyrano[2,3-c]pyrazole-Based Azo Dyes in Textiles	Prof. Fatma Mohamed	
09.40-09.55	OM-O-07	Synthesis towards optically active kusunokinin and its derivatives	Mr. Anawat Tailangka	
09.55-10.10	OM-O-08	Transforming Trialkyl Orthoacetate into a Powerful Tool for *C*3-Acylation of Indole	Mr. Piyada Subgerd	
10.10-10.25	OM-O-09	5-N-Arylaminothiazoles: Design, Synthesis, and Photophysical Properties	Prof.Dr.Toshiaki Murai	

Poster Presentation II : 13 Feb 2026		
Session : Organic Synthesis and Medicinal Chemistry		
Presentation Code	**Topic**	**Presenter**
OM-P-01	Visible-light-driven asymmetric radical acylation	Dr. Thikhamporn Uppalabat
OM-P-02	Design and synthesis of renewable cardanol-derived aza-BODIPY Fluorophore as a sustainable petroleum marker	Ms. Oradee Chanhorm
OM-P-03	Electrochemical bromination of α-oxo ketene dithioacetals	Mr. Austin Symon Abacan
OM-P-04	Radiolabeling and quality control of ^{177}Lu-FAPI-04: a theranostic agent targeting fibroblast activation protein	Ms. Suppamat Makjan
OM-P-05	Phosphoramidite-Based Synthesis of Photolabile Protected Diphospho-*myo*-Inositol Pentakisphosphates ($InsP_7$)	Ms. Mai Deguchi
OM-P-06	Redox reaction between pyridine and its dihydropyridine derivative	Ms. Artitaya Chaitem
OM-P-07	Synthesis of indole derivatives as anticancer agent	Ms. Rodsarin Kitiyot
OM-P-08	Computational design and structure-activity relationship (SAR) studies of cycloartenyl aromatic ester derivatives as promising Anticancer candidates	Dr. Sittichoke Som-am
OM-P-09	Preparation of limonene β-amino alcohols as novel antimicrobial agents	Mr. Siddig Doydee

Poster Presentation II : 13 Feb 2026		
Session : Organic Synthesis and Medicinal Chemistry		
Presentation Code	**Topic**	**Presenter**
OM-P-10	Total synthesis of gelliusine F and their analogues	Ms. Wilailak Saetae
OM-P-11	Virucidal activity and main protease (Mpro) inhibition by 2,4-Disubstituted Phenylamino-Phenoxyquinolines against SARS-CoV-2: in vitro assays, molecular docking, and molecular dynamics simulations	Dr. Suwicha Patnin
OM-P-12	Total Synthesis of Aporphine Alkaloids from *Stephania venosa* (Blume) Spreng: Oxostephanine and Thailandine and Their Antimicrobial Activity	Mr. Pongsit Vijitphan
OM-P-13	Isolation and Chemistry Syhthesis of Mitragynine for Antioxidant Activity Assessment	Ms. Charuphan Oiusung
OM-P-14	Synthesis of new Alkynyl Piperic Amide by A^3 Coupling reaction	Ms. Suppachawal Kongsompain
OM-P-15	Synthesis of new Piperine analogues from *Piper nigrum* L. via One-pot reaction	Mr. Nanthiphat Phomthong
OM-P-16	Electrochemical Transesterification and Silver Ion Chromatographic Enrichment of Omega-3 Fatty Acids from Sacha Inchi (*Plukenetia volubilis* L.) Oil	Ms. Thitarat Chaiyasit
OM-P-17	qNMR-Guided Rapid Optimization and Mechanistic Insights into Triarylmethane Synthesis	Ms. Chirathatsani Butthong
OM-P-18	Triphenylphosphine-assisted ester formation using alcohols and carboxylic acids	Asst.Prof.Dr. Sunisa Akkarasamiyo
OM-P-19	Quality control methods for radiochemical purity analysis of ^{225}Ac-PSMA-I&T radiopharmaceutical	Ms.Natkamon Ruaidee
OM-P-20	Formal Synthesis of Cephalotaxine via a Modular Approach Using L-asparagine-Derived Chiral Succinimide as the Building Block	Assoc.Prof.Dr. Punlop Kuntiyong
OM-P-21	5-Alkyloxy-2-Dibenzylaminopentanal as a Chiral Building Block for Organic Synthesis : Synthesis of α-Hydroxy Epoxide from L-Glutamic acid	Mr. Yuthakan Khiawnoi
OM-P-22	Synthesis Study of Stemona Alkaloids via intermolecular reaction of N-acyliminium ion and Biomass-derived furan	Mr. Peerawit Samritolarn
OM-P-23	Synthetic Study of Hirsutine and Rhynchophylline via Diastereoselective Diels-Alder Reaction	Ms. Thanaporn Maksomboon

Date : 12 Feb 2026				
Session : Polymer Chemistry and Bio-based Materials				
Room : M2				
Time	**Presentation Code**	**Topic**	**Presenter**	**Section**
14.30-14.55	PC-K-01	Mechanically-induced Phase Transition Behavior of Crystalline Polymers: Focused on the Shish-Kebab Structure Formation Phenomenon of Ultra-drawn Natural Rubber	Prof.Dr. Kohji Tashiro	**Chairman :** Prof. Suwabun Chirachanchai **Co-Chair :** Assoc.Prof.Dr Gareth Ross
14.55-15.10	PC-O-01	Thermal insulation performance of silica aerogel composite with different pre-vulcanization times of natural rubber latex	Ms. Chayanan Boonrawd	
15.10-15.25	PC-O-02	Effect of Kappa-carrageenan on crosslink density and mechanical property of natural rubber composite	Mr. Sirawit Chonlakat	
15.25-15.40	PC-O-03	Study the effect of water uptake on the mechanical properties of the fully bio-composite from natural rubber and polysaccharides	Mr. Apiwat Srinarang	
15.40-15.55	PC-O-04	Natural tackifiers as functional modifiers of tapioca starch bioadhesives for corrugated paperboard packaging	Ms. Paweethida Pakkaihang	
15.55-16.10	PC-O-05	Design of Hydrophobic Alginate-Based Polymers for Food Packaging Applications	Ms. Paramabhorn Tosuwan	
16.10-16.20	**Coffee Break**			
16.20-16.45	PC-K-02	A metacrylamide-based biocompatible polymer platform intended for the synthesis of tailored drug delivery carriers	Dr. Libor Kostka	**Chairman :** Assoc.Prof.Dr Gareth Ross **Co-Chair :** Prof. Suwabun Chirachanchai
16.45-17.00	PC-O-06	Development and characterization of κ-carrageenan/PVOH-Tannic Acid hydrogels with enhanced mechanical strength and controlled release behavior	Ms. Worakamon Yawan	
17.00-17.15	PC-O-08	Chitosan-pectin core-shell hydrogel beads for encapsulation of red cabbage extract	Mr. Pansuang Putthanu	
17.15-17.30	PC-O-09	THERMAL STUDIES OF POLYETHYLENE FILM/RICE HUSK WASTE COMPOSITE	Ms. IBRAHIM MODU	

Date : 12 Feb 2026				
Session : Polymer Chemistry and Bio-based Materials				
Room : M2				
Time	**Presentation Code**	**Topic**	**Presenter**	**Section**
17.30-17.45	PC-O-10	Development of a Peritoneum Tissue Phantom Based on PVA Hydrogel for Electrosurgical Training	Ms. Tareeya Manakornkowit	

Date : 13 Feb 2026				
Session : Polymer Chemistry and Bio-based Materials				
Room : M2				
Time	**Presentation Code**	**Topic**	**Presenter**	**Section**
08.30-08.55	PC-K-03	Self-repairing transparent coatings	Assoc.Prof.Dr. Daniel Crespy	**Oral 2** **Chairman :** Assoc.Prof.Dr Gareth Ross **Co-Chair :** Prof. Suwabun Chirachanchai
08.55-09.20	PC-K-04	Multi-Stimuli Responsive Trimethyl Chitosan Nanogels: From Green Synthesis to Smart Drug Delivery	Assoc.Prof.Dr. Panya Sunintaboon	
09.20-09.35	PC-O-11	Green Ternary Biopolymer/Carbon Quantum Dots Nanocomposite Film: Preparation and Characterization	Mr. Arnon Phonrat	
09.35-09.50	PC-O-12	Influence of Molecular Structure and Crystallization Behavior on the 3D Printing Performance of Polypropylene-Based Materials	Ms. Kawinthip Inthana	
09.50-10.05	PC-O-13	Bio-based zein-stearic acid coatings for enhancing water resistance of paper packaging	Mr. Ittikorn Singkhonart	
10.05-10.20	PC-O-14	Upcycling Used Poly(Lactic Acid) with Polyethylene Glycol and Micro-Cellulose Synthesized from Waste Office Paper for Bio-Packaging Applications	Ms. Chatkun Puakpong	

Date : 13 Feb 2026				
Session : Polymer Chemistry and Bio-based Materials				
Room : G5				
14.15-14.40	PC-K-05	Next-generation bioplastics, from photobiodegradation to extreme stabilization	Prof. Tatsuo Kaneko	**Oral 3** **Chairman :** Prof. Suwabun Chirachanchai **Co-Chair :** Assoc.Prof.Dr Gareth Ross
14.40-14.55	PC-O-15	Balancing performance and environmental impact: recyclable fluorinated polymers in solid-state batteries	Ms. Kanyapat Yiamsawat	
14.55-15.10	PC-O-16	Chelating Polymers for Next-Generation Sustainable Scale Inhibition	Mr. Nantawat Kaekratoke	
15.10-15.25	PC-O-17	Bio-based Coating Technology for the Conservation and Preservation of Teak Structural Wood in Mrigadayavan Palace	Ms. Phornnutcha Phetcharach	
15.25-15.40	PC-O-18	Gradient Polymer–Nanoglass Scaffolds for Cartilage–Bone Interface Engineering	Asst.Prof.Dr. Aruna Prasopthum	

Poster Presentation 2 : 13 Feb 2026		
Session : Polymer Chemistry and Bio-based Materials		
Presentation Code	**Topic**	**Presenter**
PC-P-01	Monosubstituent Effects on Lithium *N*-Heterocyclic Carbene Complexes in the Room-Temperature Ring-Opening Polymerization of ε-Caprolactone	Mr. Apisit Intachai
PC-P-02	Synthesis of photocrosslinkable zwitterionic quaternized chitosan-based hydrogel with synergistic antibacterial and antifouling activities for biomaterial applications	Mr. Petchgaw Kanjanawattana
PC-P-03	Application of Ozonation as a Post-Curing Treatment of 3D-Printed Resins for Food-Grade Silicone Casting	Ms. Suphannika Thipkawi
PC-P-04	Crosslinked PLA Prepared via Benzophenone-Derived Photoinitiator for Encapsulation Applications	Mr. Panuwat Plengjaroensirichai
PC-P-05	Preparation and comparison of polyamide 12 composites adding ceramic Aluminum-based powder or non-magnetic Ferric oxide powder	Assoc. Prof. Dr. Nattakarn Hongsriphan
PC-P-06	Curing Behaviors and Thermal Properties of Bio-based Benzoxazine and Poly(dimethylsiloxane) (H-fa/PDMS) polymers	Mr. Nattapon Chaiwichian
PC-P-07	Study on the Thermal Properties of Bio-based Polybenzoxazine (H-fa) and Polyethylene glycol (PEG) Blends	Ms. Naritsara Chaipakdee

Poster Presentation 2 : 13 Feb 2026		
Session : Polymer Chemistry and Bio-based Materials		
Presentation Code	**Topic**	**Presenter**
PC-P-08	Biodegradable Cassava Starch–Natural Rubber/GO-COOH Hybrid Nanocomposite Hydrogels: Fabrication and Performance Evaluation	Prof.Dr. Sayant Saengsuwan
PC-P-09	Thermo-, Electro- and Magneto-Responsive Shape Memory Polymers Based on Natural Rubber Nanocomposites	Ms. Sitihabiba Yaena
PC-P-11	Influence of thermoplastic vulcanizates from recycled plastic and natural rubber on asphaltic concrete properties	Mr. Supavit Mettavimon
PC-P-12	Development of a Colorimetric Plasmonic Nanosensor as a Dual Dosimeter Based on Hybrid Nanomaterials and Natural Polymers for Radiotherapy Dosimetry Applications	Ms. Phavinee Choosin
PC-P-13	Investigation of binding affinity of molecularly imprinted polymer nanoparticles targeting herpes simplex virus type 2	Ms. Maliwan Srisuk
PC-P-14	Point-of-Care Analysis of Tear Biomarkers	Mr. Mohammed Shamrez
PC-P-15	LAC DYEING OF SILK USING PINEAPPLE CORE EXTRACT ENHANCED WITH CRICKET PROTEIN FOR IMPROVED COLOR FASTNESS	Ms. Ussaneeyaporn Lunkamphee
PC-P-16	Preparation and properties of modified starch-epoxidized natural rubber for wood composite	Mr. Sa-Ad Riyajan
PC-P-17	UV-Assisted Citric Acid Crosslinking of Thermoplastic Starch from Pineapple Stem Starch toward High-Performance Biopolymer Films	Ms. Hataithip Sanpromma
PC-P-19	Application of Natural Rubber Film for the Detection of Low-Concentration Solutions	Ms. Ulaiya Payayam
PC-P-20	Hydrogel for Encapsulation of Essential Oil from Cardamom Seeds Cultivated in Chanthaburi and Trat Provinces	Ms. Wannapa Puiox
PC-P-21	Morphology and water absorption of oligo-chitosan/epoxidized linseed oil hybrid material	Mr. Natthawut Suriwong
PC-P-22	Mechanical and surface properties of plant-based leather sheets from pomelo peels and coconut fiber	Ms. SOPA INTARASORN

Date : 12 Feb 2026				
Session : Physical and Theoretical Chemistry				
Room : G6				
Time	**Presentation Code**	**Topic**	**Presenter**	**Section**
14.30-14.55	PT-K-01	MolGPT: Generative Models for Chemistry	Prof. Dr. Deva Priyakumar	**Oral 1 A** **Chairman :** Prof. Dr. Siriporn Jungsuttiwong **Co-Chair :** Assoc. Prof. Dr. Nawee Kungwan
14.55-15.15	PT-I-01	Integrative Discovery of EGFR and JAK Inhibitors: From Virtual Screening to Cancer Cell Apoptosis	Assoc. Prof. Dr. Thanyada Rungrotmongkol	
15.15-15.35	PT-I-02	FMO-guided drug discovery and design	Asst.Prof. Kowit Hengphasatporn	
15.35-15.50	PT-O-01	Explainable Artificial Intelligence (AI)-Based Prediction Models for Antiviral Small Molecules	Dr. Ittipat Meewan	
15.50-16.10	**Coffee Break**			
16.10-16.30	PT-I-03	Protein Aggregation Observed by Molecular Dynamics Simulation	Prof. Dr. Hisashi Okumura	**Oral 1B** **Chairman** : Assoc. Prof. Dr. Thanyada Rungrotmongkol **Co-Chair :** Asst.Prof. Kowit Hengphasatporn
16.30-16.50	PT-I-04	Employing phase transition behavior of polypeptides to control protein function by heat	Asst. Prof. Dr. Cong Vu	
16.50-17.10	PT-I-05	Integrating Machine Learning with DFT for Precise Prediction of ^{13}C and ^{1}H NMR Shifts of Flavonols	Assoc. Prof. Dr. Thishana Singh	
17.10-17.25	PT-O-03	From AlphaFold Modeling to Steered Molecular Dynamics and Umbrella Sampling: AI-Driven Exploration of Full-Length Amyloid-β Dimerization Energetics	Mrs. KAVITHA J	

Date : 13 Feb 2026				
Session : Physical and Theoretical Chemistry				
Room : G6				
Time	**Presentation Code**	**Topic**	**Presenter**	**Section**
08.30-08.55	PT-K-02	Ab-Initio Modeling of Photoluminescence	Prof. Dr. Daniel Escudero	**Oral 2** **Chairman :** Prof. Dr. Siriporn Jungsuttiwong **Co-Chair :** Assoc. Prof. Dr. Nawee Kungwan
08.55-09.15	PT-I-06	Machine learning potential based understanding of humidity-induced phase transition in CALF-20	Dr. Kaito Takahashi	

Date : 13 Feb 2026				
Session : Physical and Theoretical Chemistry				
Room : G6				
Time	**Presentation Code**	**Topic**	**Presenter**	**Section**
09.15-09.35	PT-I-07	FIREBALL2020 – A revitalized paradigm for DFT molecular dynamics in an AI world	Prof.Dr. James Lewis	
09.35-09.50	PT-O-05	Bridging Quantum Simulations into Molecular Predictions: Density Functional Theory (DFT) and Machine Learning-Based Analysis on Simple Volatile Polar Compounds	Marc Andrie M. Bermundo	
09.50-10.05	PT-O-06	Statistical Mechanics Study of Hydrated Reline Deep Eutectic Solvent	Mr. Witchapon pluekrungrot	
10.05-14.30	**Coffee Break**			
14.30-14.55	PT-CST Award-02	Unraveling H_2 Dissociation in CO_2 Hydrogenation on Frustrated Lewis Pair-Functionalized UiO–67: DFT and Nuclear Quantum Effects	Asst. Prof. Dr.Nuttapon Yodsin	**Oral 3** **Chairman :** Prof. Dr. Siriporn Jungsuttiwong **Co-Chair :** Assoc. Prof. Dr. Nawee Kungwan
14.55-15.10	PT-O-07	CO_2-Laser-Driven Ultrafast Synthesis of Trimetallic Ni-Co-Cu Borate Enabling High-Performance Nitrate Reduction Catalysis and Zinc-Nitrate Batteries	Ms. Pimjai Pimbaotham	
15.10-15.25	PT-O-08	MOFs as catalytic platforms: single-atom sites and mixed-metal nodes for CO_2 reaction mechanisms	Dr. Sarawoot Impeng	

Date : 13 Feb 2026				
Session : Physical and Theoretical Chemistry				
Room : G5				
Time	**Presentation Code**	**Topic**	**Presenter**	**Section**
08.30-08.50	PT-I-08	Sunlight-driven detoxification of organic dyes and antibiotics in water	Assoc.Prof.Dr. Suwat Nanan	**Oral 3** **Chairman :** Assoc. Prof. Dr. Nipaphat Charoenthai **Co-Chair :** Assoc. Prof. Dr. Wikorn Punyain
08.50-09.05	PT-O-09	Exploring the effect of different proton donors and substituents on the photophysical properties and ESIPT process in 3-Hydroxyflavone derivatives	Mr. Hamza Mumtaz	

Date : 13 Feb 2026				
Session : Physical and Theoretical Chemistry				
Room : G5				
Time	**Presentation Code**	**Topic**	**Presenter**	**Section**
09.05-09.20	PT-O-10	Electrocatalytic Hydrogen Production of 2D Truxene-based Conductive Metal–Organic Frameworks: DFT and ML Studies	Ms. Monruedee Meerawan	
09.20-09.35	PT-O-11	Reactive Molecular Dynamic Simulations of Lithium Metal-Liquid Electrolyte Interface of Li-S Battery	Mrs. Mirella Maahury	
09.35-09.50	PT-O-12	Revealing the influence of topology and Ce substitution on the electronic properties of Zr-porphyrin MOFs for CO_2 photoreduction	Ms. Parichat Chaunket	
09.50-10.05	PT-O-13	From Molecules to Reactors: Modeling the Hydrogenolysis of Polyolefins	Mr. Shivan Bissesar	
10.05-10.20	PT-O-14	Computational Investigation of Intermolecular Interactions in Room-Temperature Ionic Liquids for μSR Probing	Mr. Michael Armstrong	

Poster Presentation II : 13 Feb 2026		
Session : Physical and Theoretical Chemistry		
Presentation Code	**Topic**	**Presenter**
PT-P-01	Control of Exothermic Effects in Vat Photopolymerization using Thermally Conductive Nanoparticle-Doped Resins	Mr.Kittipan Suwannachot
PT-P-02	Sterically Induced Twisting in BODIPY Chromophores for Photophysical Modulation: Synthesis and Photophysical Investigation	Ms.Julalak Kwansod
PT-P-03	Mechanism of H_2 Evolution on g-C_3N_4/ZnO Photocatalyst: A Theoretical Study	Mr.Ananda Thongyu
PT-P-04	Complete degradation of organic pollutants in water by magnetically separable Fe_3O_4/CQDs-ZnO photocatalyst under sunlight irradiation	Mr.Sattra Nonthing
PT-P-05	Structure-based design of cycloartane secondary amines: identification of a promising Topoisomerase II lead candidate	Dr.Muhammad Niyomdecha

Poster Presentation II : 13 Feb 2026		
Session : Physical and Theoretical Chemistry		
Presentation Code	**Topic**	**Presenter**
PT-P-06	DFT insights into CO_2 activation and reduction on defective UiO-66(Zr) MOF	Ms.Jirapat Santatiwongchai
PT-P-07	Theoretical investigation of BF_2-formazanates in nanostructured environments for photodynamic therapy	Dr.Pannipa Panajapo
PT-P-09	Structure-based virtual screening and biological validation of natural products as potential *M. tuberculosis* InhA inhibitors	Ms.Thimpika Pornprom
PT-P-10	On-the-fly Dynamics Simulations of 1,8-Di(pyridinyl)carbazole as a Case Study of Accepting-site Competition in the Excited State	Assoc.Prof.Dr.Rathawat Daengngern
PT-P-11	Photophysics of Zn(II) Complexes for Enhanced Photodynamic Therapy: A Comprehensive Theoretical Study	Ms.Nutchaya Petchsook
PT-P-12	Predicting Protein–Ligand Binding Free Energies Using GFN2-xTB (ALPB): Accuracy, Benchmarking, and Applications	Ms.Watcharin Kumaeum
PT-P-13	Theoretical study on the effects of substituents on photophysical properties of single benzene fluorophores	Mr.Thanapat Charoenkitkaset
PT-P-14	BioGraphormer3D: A Hybrid 3D Graph and SMILES Learning Framework for HER2 Small-Molecule Bioactivity Prediction	Mr.Suebpong Pruttipattanapong
PT-P-15	A data-driven approach to modeling drug synergy and antagonism	Asst.Prof.Dr.Supanida Piyayotai
PT-P-16	*In silico* assessments of novel aminoguanidine analogues against BSA for glycation control	Ms.Richemae Grace R. Lebosada
PT-P-17	Mechanistic Insights and Predictive Modeling of Organophosphate Hydrolysis via DFT and SISSO Machine Learning	Ms.Araya Putthabal
PT-P-18	Mechanistic Insights and Descriptor Analysis of Glyphosate Adsorption on Metal–Organic Frameworks $M_3(BTC)_2$ from Density Functional Theory Calculations	Dr.Anawat Thivasasith
PT-P-19	Understanding Electrolyte Behaviour for Pre-Plasma Electrolysis Conditions via MD Simulation	Dr.Angkana Khuenpetch
PT-P-20	Computational screening of metal-substituted HKUST-1 catalysts for CO_2 hydrogenation to formic acid	Ms.Wachiraporn Rattana

Poster Presentation II : 13 Feb 2026		
Session : Physical and Theoretical Chemistry		
Presentation Code	**Topic**	**Presenter**
PT-P-21	High-throughput screening of homonuclear dual metal atom embedded on C_2N monolayers for enhanced ammonia electrosynthesis	Ms.Sutheethida Kalapakdee
PT-P-22	Electrocatalytic urea synthesis from carbon dioxide reduction reaction (CO_2RR) and nitric oxide reduction reaction (NORR): A theoretical study	Mr.Nakharin Phonarwut
PT-P-23	Theoretical study of pt-cluster-doped poly(carbazole-sulfone-TEG) for plastic-waste electroreforming into hydrogen and value-added products	Ms.Kewalin Prabwongsa
PT-P-24	A DFT study of hydrogen evolution reaction on B- and BO-doped graphene catalysts	Ms.Chonthicha Phimthong
PT-P-25	Glucose Isomerization to Fructose over Isolated Zn and Cu Sites on Dealuminated BEA Zeolite	Ms.Siriya Sukhonthachat
PT-P-26	DFT Mechanistic Study of Poly(ethylene terephthalate) Glycolysis Catalyzed by Tertiary Amines	Ms.Sataporn Aimduang
PT-P-27	Mechanistic Insights into the Photodecarbonylation of π-Extended Flavonol for PDT	Ms.Siramol Photiganit
PT-P-28	Computational Exploration of Modified Crown Ethers for Lithium Extraction	Ms. Wandee Inwong

Date : 13 Feb 2026				
S1 : AI Horizons: Innovation for Science & Technology				
Room : M1				
Time	**Presentation Code**	**Topic**	**Presenter**	
09.00-12.00	S1-K-01	Artificial intelligence perspective: Technological innovation and development	Prof.Dr.Xuefeng Jiang	**Chairman :** Dr.Limpapat Bussaban **Co-Chair :** Asst.Prof.Dr. Prondanai Kaskasem
	S1-K-02	AI-Driven Sensing and Analytics for Health, Food and Agricultural Safety	Assoc.Prof.Dr.Ekkarat Boonchieng	
	S1-I-01	Simulating complex chemical ecosystems for multi-scale research	Mr. Witthawin Sripheanpol	

Date : 13 Feb 2026				
S2:Green Chemistry and Net Zero in 2030				
Room : G9				
Time	**Presentation Code**	**Topic**	**Presenter**	**Chairman :** Prof.Dr.Supawan Tantayanon **Co-Chair :** Dr. Kongkiat Suriye
10.45-11.10	S2-K-01	Decarbonization technology by deep chemistry supporting Thailand's net zero road map	Dr.Kongkiat Suriye	
11.10-11.30	S2-I-01	Driving hydrogen economy with transformative approaches	Dr.Piyabut Charuphen	
11.30-11.50	S2-I-02	Philosophy of industrial cleaning formulation: designing chemistry for sustainable industrial progress	Dr.Songsak Klamklang	
11.50-12.00	Round table talk			

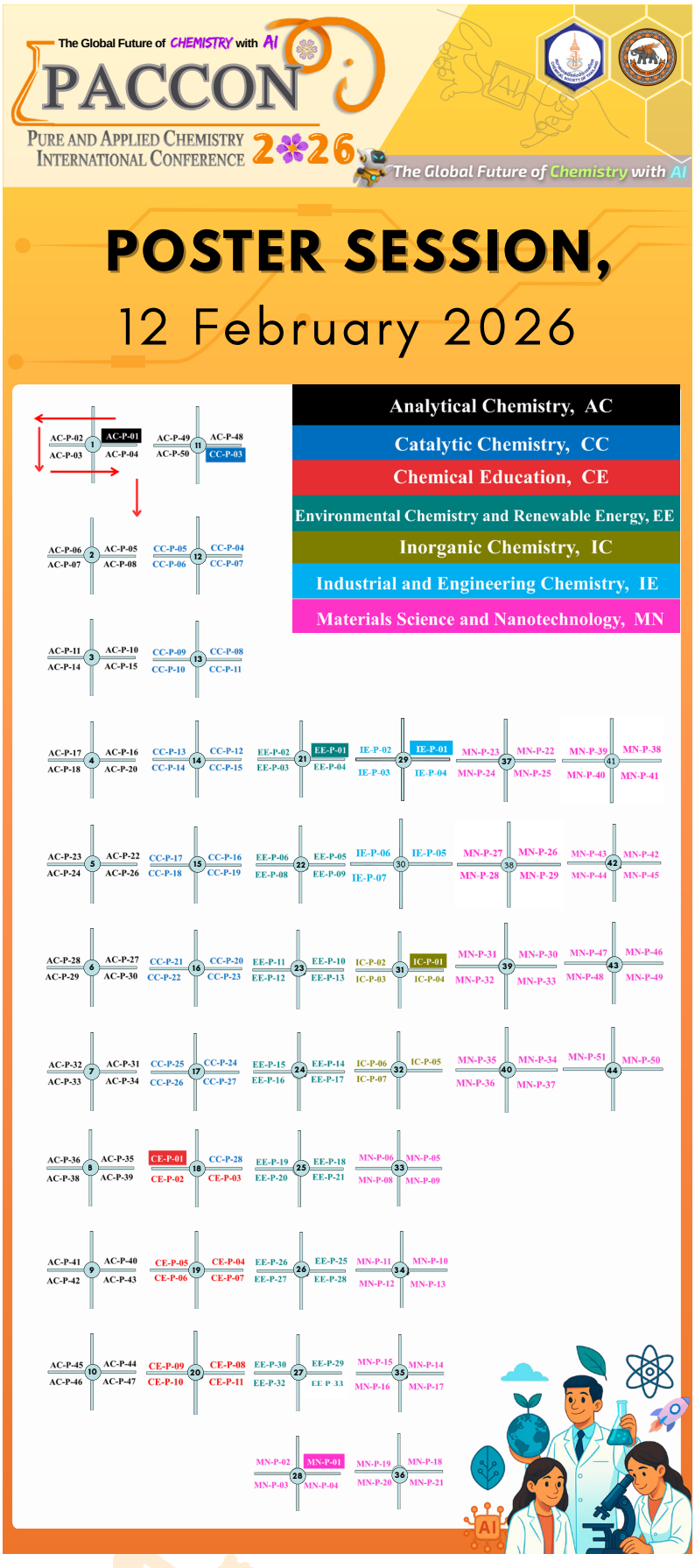
Date : 12 Feb 2026		
S4 : The Art of Aging Gracefully: Biomaterials and Natural Compounds for Wellness and Rejuvenation		
Room : M1		
Time	**Presenter**	**Chairman :** Assoc.Prof.Dr. Sukunya Ross **Co-Chair :** Prof.Dr. Jarupa Viyoch
14.00-18.00	Mr. Sophon Chinpong	
	Dr.Suthsiri Prechaatsawanan	

Date : 12 Feb 2026			
S5 : Train-the-Trainers & Networking: A Hands-On Masterclass by Dow & BBL			
Room : G12			
Time	**Presentation Code**	**Topic**	**Presenter**
13.00-18.00	S5-O-01	Extinguishing fire by using carbon dioxide obtained from an acid-base reaction	Farid Uddin Ahmad
	S5-O-02	Effect of concentration of reactant in a reaction	Rumayia Akter
	S5-O-03	The acid-base reaction between vinegar and baking soda: A green chemistry assessment	Md Imran Ali
	S5-O-04	Electroplating of copper	Saera Banoo
	S5-O-05	Identification of available acid and available base by using natural indicator and identification of produced gas by these acid-base reactions	Md. Nazrul Islam
	S5-O-06	Demonstration of a non-redox reaction	Jewel Perves
	S5-O-07	Innovative small-scale chemistry experiments for qualitative identification of ions and gases	Habibur Rahman
	S5-O-08	Identification test of cation and anion in table salt	Marzia Binta Rahman
	S5-O-09	Identifying ionic and covalent compounds through solubility and electrical conductivity	Hritu Malika Sinha
	S5-O-10	Observing reaction of different salts with NaOH	Habiba Sultana
	S5-O-11	Exploring the properties of acids and alkalis through microscale experiments	Theesha Thiruvengidam
	S5-O-12	Small scale, big inquiry: exploring neutralisation	Choy Wan Wong
	S5-O-13	Small-scale extraction of iodine using petroleum ether	Chia Chew PING
	S5-O-14	Redox equilibrium: voltaic cell	Jumasiah Arsyad
	S5-O-15	Blowing bubbles: integrating the 5E model and small-scale chemistry for teaching pH and ocean acidification	Norhaslinda Abdul Samad
	S5-O-16	Rate of electrolysis of different concentration of copper(II) sulphate solution to the product formed at cathode	Mohd Khalis bin Khalid
	S5-O-17	Reaction of carbonates: an acid and carbonates	Afiqah Ayoub Izaruddin
	S5-O-18	Enhancing understanding of redox reactions through practical engagement: Integrating the Chem-Redox Kit with microscale teaching in Malaysian secondary chemistry	Chm.Pn.Komathy Veerasinghan
	S5-O-19	Double displacement reaction: copper carbonate reaction using small scale chemistry experiment	Jan Loraine Jun Rivera

Date : 12 Feb 2026			
S5 : Train-the-Trainers & Networking: A Hands-On Masterclass by Dow & BBL			
Room : G12			
Time	**Presentation Code**	**Topic**	**Presenter**
	S5-O-20	A greener micro scale approach to chemistry education: a microscale double-displacement experiment on teaching precipitation reactions	Francisco T. Alcala Jr.
	S5-O-21	Oil and water don't mix	Mark Kevin Pangan Zita
	S5-O-22	Molarity of a sugar solution	Maribeth Bautista
	S5-O-23	Simple experiments set for studying reaction rate and factors affecting chemical reaction rate	Kamolphan Khongnonkok, Papawarin Ngokkhum, Waraporn Yodrungrueang
	S5-O-24	Small-scale chemical experiment on the law of conservation of mass and gypsum formation	Orawan Uasakul
	S5-O-25	Chromatic loop: A sustainable anthocyanin gel bead indicator system coupled with smartphone-based pH determination	Suwanna Amporndanai
	S5-O-26	Chemistry 3 in 1	Kaohom Komsakul, Kaomai Komsaku, Pimmada Hongthong
	S5-O-27	When vegetables release gas: A study of catalase enzyme activity in vegetables using the small-scale chemistry approach	Atina Patchanee
	S5-O-28	Soil quality and its impact on plant growth	Soradet Lertwathanawanit
	S5-O-29	Small-scale chemistry experiment: Reactions of acids with metals and bases with metals	Kanyarat Chanthara
	S5-O-30	Natural acid protein test	Arporn Noonto
	S5-O-31	A micro-scale kit for microplastic detection in soil	Phoomtawan Saengsuk
	S5-O-32	Reaction rate of weak acids under water-induced equilibrium perturbation as a substitute for using a strong acid	Wipawan Kangchai
	S5-O-33	An investigation of electrochemical mechanisms: metal electrodeposition and the separation of KI solutions	Monpriya Ratcharuk
	S5-O-34	Electrical properties of ionic compounds	Sitang Phusikun
	S5-O-35	Experiments to inhibit the enzymatic browning reaction of green apple using Thai fruits and plants	Ratchadaporn kitsuwan
	S5-O-36	Development of chemical small-scale experiment on factors affecting the rate of chemical reaction for Physical Science 1 (Chemistry) and Chemistry 3 at grade 11 level	Thanakorn Sirichantarangsee

Date : 12 Feb 2026			
S5 : Train-the-Trainers & Networking: A Hands-On Masterclass by Dow & BBL			
Room : G12			
Time	**Presentation Code**	**Topic**	**Presenter**
	S5-O-37	Tea detectives: Using tea extract to detect iron (rust) contamination in water	Palakorn Chanboon
	S5-O-38	Small-scale chemistry experiment on chemistry of natural dyeing and mordanting	Patiyan Jitludda
	S5-O-39	Kinetics of acetone reactions under acidic conditions	Wimolpat Promrin
	S5-O-40	A color-changing chemistry laboratory activity provides an effective way to learn oxidation numbers	Suwanna Srisanpang
	S5-O-41	Electrochemical Lab Setup 3 in 1	Uthaitip Injang
	S5-O-42	Natural indicator of acid-base droplet titration	Thanaporn Sukmeechai
	S5-O-43	Green small-scale chemistry innovation kits for investigating solution behavior and digital color analysis	Worrapatpong khrueyim
	S5-O-44	A gas diffusion experimental kit using anthocyanin extracts from local plants	Bunprapa Ounhaprateep
	S5-O-45	Creating and observing waves in hot and cold water with methylene blue solution	Chanapa Chokchaisuwan
	S5-O-46	Development of a small scale on the effect of concentration of substances on chemical equilibrium	Kanittakan Benjaphalaporn
	S5-O-47	Yellow search for Iron	Thanakorn Srapoo
	S5-O-48	Redox reaction	Rapeephan Suwantha
	S5-O-49	Household flame test	Pitchayut Khampunnip
	S5-O-50	Kinetics of electrochemical reactions through spectroscopic analysis	Nitjaree Sikarinkham

Date : 12 Feb 2026				
S6:Corrosion and Protection Technology (CPT)				
Room : M3				
Time	**Presentation Code**	**Topic**	**Presenter**	
14.00-14.30	CPT-K-01	Hydrotalcites as Containers of Organic Inhibitors in Solvent Free Epoxy Coatings for Corrosion Protection of Carbon Steel	Prof. Dr. Thi Xuan Hang	**Chairman :** Asst.Prof.Dr. Sirasart Ouajai **Co-Chair :** Asst.Prof.Dr. Thammaporn Thublaor
14.30-14.50	CPT-I-01	Center of Excellence in Electrochemistry and Corrosion Technology (COE-ECT): Advancing Corrosion Innovation Through Certified Testing and Industrial Collaboration	Asst.Prof.Dr. Pornsak Srisungsitthisunti	
14.50-15.10	CPT-I-02	The Evolution of Corrosion Protection in Subsea Pipelines from Legacy Solutions to Future Innovations	Dr.Tanaporn Narkbuakaew	
15.10-15.30	CPT-I-03	Applications of Electrochemical Techniques in Assessing Corrosion and Corrosion Protection of Alloys	Dr.Noparat Kanjanaprayut	
15.30-15.50	CPT-I-04	Case Study: Corrosion in Power Plant	Thanyaboon Sudasana Na Ayudhaya	
15.50-16.10	CPT-I-05	High Temperature Carburisation Damage of Austenitic Stainless Steele in Simulated Co-containing Atmospheres of Biomass-Fired Boilers	Assoc.Prof.Dr.Jennarong Tungtrongpairoj	
16.10-16.30	CPT-I-06	Natural Rubber-based Waterborne Polyurethane – A New Advanced Adhesive and Coating Application	Assoc.Prof.Dr.Nathapong Sukhawipat	
16.30-16.45	CPT-O-01	Laboratory evaluation of food-can lacquer performance using the AC/DC/AC accelerated electrochemical method.	Kanjanaphon Dedpon	
16.45-17.00	CPT-O-02	Synthesis of Isonicotinic acid hydrazide derivatives for carbon steel corrosion inhibitor.	Suphakorn Bua-ngam	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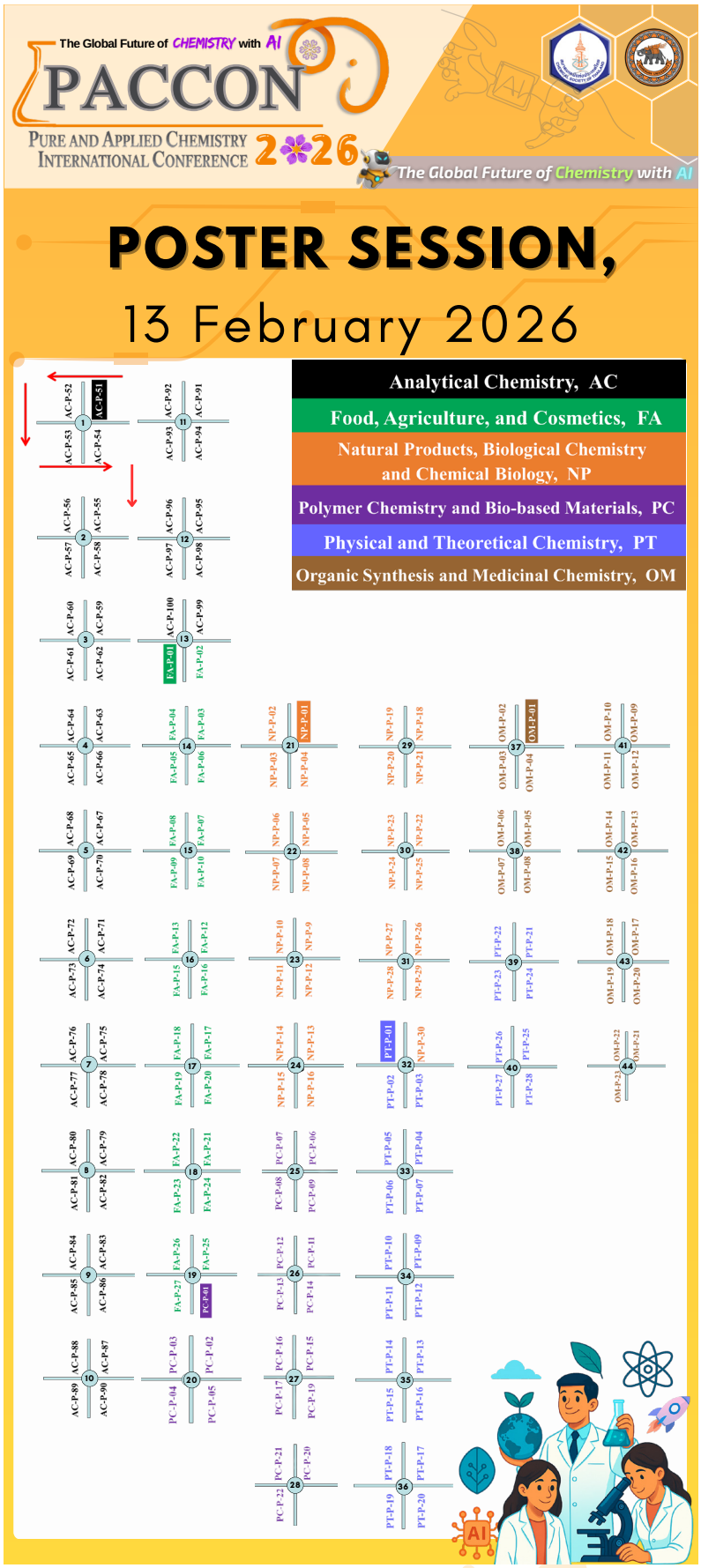
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Natural Products, Biological Chemistry and Chemical Biology, NP
Polymer Chemistry and Bio-based Materials, PC
Physical and Theoretical Chemistry, PT
Organic Synthesis and Medicinal Chemistry, OM

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