

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	<b>Oral 2</b> <b>Chairman :</b> Prof. Dr. Thanit Praneenarat <b>Co-Chair :</b> 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 <i>Dendrobium Sonia</i> '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.Wimonnann 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