

Registration Number	Presentation Number	Session Name	Session Time	Presentation Title
10001	P28	Poster Session2	Saturday, July 26, 13:45–14:30	Investigation of Copper Ion Complexation with Different Ligands to Enhance Fehling's Reagent Performance and Antibacterial Activity
10002	OP8	Oral Session	Saturday, July 26, 15:50–16:10	Creating Art Installations That Combine Nature and Culture in Chemistry Class
10003	WS1	Work shop	Sunday, July 27, 09:30–10:30	Development and Applications
10004	OP2	Oral Session	Saturday, July 26, 10:20–10:40	Shedding Light on Ambiguities: Two Topics on Gibbs Energy and Equilibrium in Pre-University Chemistry Education
10005	P29	Poster Session1	Saturday, July 26, 13:00–13:45	Integrating Gamification into Organic Chemistry Learning: Designing a Card Game for Junior High Students to Master Simple Organic Molecules
10006	P30	Poster Session2	Saturday, July 26, 13:45–14:30	Long-Term Water Quality Trends (1994–2024) in the Tamsui River Basin: Application of the Mann-Kendall Test and Sen's Slope Estimator
10007	P1	Poster Session1	Saturday, July 26, 13:00–13:45	A 3D-printed Device for Studying Kinetics of Chemical Reactions
10009	OP1	Oral Session	Saturday, July 26, 10:00–10:20	Applying Generative AI in Student Assessment: Insights from Google Gemini 2.0
10010	P2	Poster Session2	Saturday, July 26, 13:45–14:30	Designing and Developing Science Board Games: Engaging Senior High School Students as Designers to Foster Design Thinking Skills
10011	OP9	Oral Session	Saturday, July 26, 16:10–16:30	Enhancing Inclusive and Equitable STEM Education in Rural Schools – A Portable Chemistry Laboratory Kit
10013	P41	Poster Session1	Saturday, July 26, 13:00–13:45	Produce Mineral Origin Pigments from Local Agate
10014	P31	Poster Session1	Saturday, July 26, 13:00–13:45	Capillary action of liquid fertilizer in microgravity
10015	P3	Poster Session1	Saturday, July 26, 13:00–13:45	Translanguaging as a Scaffold in Bilingual Science Classrooms: Supporting Students' Construction of the Particle Model of Matter and Language Learning
10016	P5	Poster Session1	Saturday, July 26, 13:00–13:45	High School Inquiry on Dye-Sensitized Solar Cells for Sustainable Energy Education
10017	P4	Poster Session2	Saturday, July 26, 13:45–14:30	Invisible Ink, Visible Risk: A STEM Exploration of Packaging Ink Transfer onto Food
10018	OP3	Oral Session	Saturday, July 26, 10:50–11:10	From Intimidation to Interaction: Making Chemical Safety Relatable through Board Games
10019	P6	Poster Session2	Saturday, July 26, 13:45–14:30	Integrating Interdisciplinary Experiments Using Small-Scale Instruments into Undergraduate Instrumental Analysis Laboratory Courses
10020	P7	Poster Session1	Saturday, July 26, 13:00–13:45	Virtual Laboratory for Large-scale General Chemistry Course: Opportunities to Experience Chemical Experiments
10021	OP19	Oral Session	Monday, July 28, 10:00–10:20	Enhancing Traditional Forensic Blood Detection for Inquiry-Based Learning: A Case Study in Project-Based Science Education
10022	P32	Poster Session2	Saturday, July 26, 13:45–14:30	Study of Firefly Habitat in Ome City I – Consideration from the Results of Water Quality Survey–
10023	OP5	Oral Session	Saturday, July 26, 11:30–11:50	A Study on Promoting Elementary Students' Construction of Research Questions in Chemistry Science Fairs through Generative AI and Cognitive Apprenticeship-Based Instructional Design
10024	P33	Poster Session1	Saturday, July 26, 13:00–13:45	Hair-Based Removal of Microplastics from Water
10025	P9	Poster Session1	Saturday, July 26, 13:00–13:45	Capturing Light: Integrating Cyanotype and Silver Salt Printing into STEAM Education
10026	P10	Poster Session2	Saturday, July 26, 13:45–14:30	An Exploratory Study on How Generative AI Supports Students' Visual Construction of the Particle Model of Matter
10027	P8	Poster Session2	Saturday, July 26, 13:45–14:30	Chemistry Monozukuri for elementary school –etching original brass tags made easy–
10028	OP15	Oral Session	Sunday, July 27, 11:40–12:00	Acquiring the chemical concept of “elements” that constitute matter – Lesson planning and implementation in the first year of high school –
10029	OP21	Oral Session	Monday, July 28, 10:40–11:00	Exploring the Feasibility of AI-Based Analysis of Elementary Chemistry Science Fair Reports in Taiwan
10030	P34	Poster Session2	Saturday, July 26, 13:45–14:30	Unlocking the Health Secrets of Tea Infusions: An Exploration of Free Radical Scavenging ability and Polyphenol Content by Means of DPPH and Folin-Ciocalteu

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10031	P35	Poster Session1	Saturday, July 26, 13:00–13:45	Bilingual Analogical Modeling and Epistemic Engagement: Exploring Elementary Students' Reasoning in Learning the Particle Model of Matter
10032	OP16	Oral Session	Monday, July 28, 09:00–09:20	Traveling with Science: A Localized Model of Inquiry-Based Learning and Public Engagement in Taiwan
10033	P36	Poster Session2	Saturday, July 26, 13:45–14:30	Aiyu Jelly – An Exploration of the Gelation Phenomenon
10034	P37	Poster Session1	Saturday, July 26, 13:00–13:45	Anthotype Photography
10035	P38	Poster Session2	Saturday, July 26, 13:45–14:30	Promoting Chemistry Learning Through Games: The Design and Application of “ChemRace”
10036	P39	Poster Session1	Saturday, July 26, 13:00–13:45	Game-Based Learning of Acid-Base Indicators and pH Values: Designing a Reasoning-Oriented Digital Teaching Aid
10037	P40	Poster Session2	Saturday, July 26, 13:45–14:30	The Magic of Jelly Blossoms
10038	OP18	Oral Session	Monday, July 28, 09:40–10:00	Exploring the Effects of Three Generative AI Epistemic Scaffoldings on Elementary Students' Stance Change and Scientific Epistemological Beliefs in Socioscientific Issues
10039	OP4	Oral Session	Saturday, July 26, 11:10–11:30	An exploration of Process Oriented Guided Inquiry Learning in secondary chemistry classes
10040	OP7	Oral Session	Saturday, July 26, 15:30–15:50	Designing Professional Learning for “Out of Field” Teachers of Years 7–10 Chemistry
10041	OP17	Oral Session	Monday, July 28, 09:20–09:40	The Sustainability Curriculum at Nanhu Senior High School
10042	OP12	Oral Session	Sunday, July 27, 10:40–11:00	From Phenomenon to Analogy: Tracing Students' Particle Model of Matter through a Structured Curriculum on the Three States of Water
10043	OP14	Oral Session	Sunday, July 27, 11:20–11:40	A Study on University Students' Attitude Change Toward Electric Vehicle Socio-scientific Issues Through Facial Micro-expression Analysis
20001	OP20	Oral Session	Monday, July 28, 10:20–10:40	Preparation and characterization of Japanese Ink-inspired xerogels and aqueous dispersions of carbon materials with the help of glue as colloid chemistry teaching aid
20002	P11	Poster Session1	Saturday, July 26, 13:00–13:45	Learning Thermochemistry through Reusable Heat Packs: An Inquiry-based Learning Program Focusing on Phase Change Phenomena
20003	P15	Poster Session1	Saturday, July 26, 13:00–13:45	Laboratory inquiry into the curing reaction of inorganic materials
20004	OP10	Oral Session	Saturday, July 26, 16:30–16:50	pH Changes of River Water in STEAM
20005	P12	Poster Session2	Saturday, July 26, 13:45–14:30	New Development in Microscale Experiments: Development of a Mass-Based Microscale Titration – Practical Applications in Acid-Base and Precipitation Titrations–
20006	P42	Poster Session2	Saturday, July 26, 13:45–14:30	A Study on the pH of the Yodo River System: Centered on the RpH
20007	P14	Poster Session2	Saturday, July 26, 13:45–14:30	Beyond the Conventional Gas Evolution Learning in School Science. (Easy-to-observe materials demonstrating gas evolution through freezing process)
20008	P16	Poster Session2	Saturday, July 26, 13:45–14:30	A Few Items to be Reviewed in International Chemistry Norms in Relation to Secondary Education
20009	OP11	Oral Session	Saturday, July 26, 16:50–17:10	Development of Teaching Materials on Spontaneity of Chemical Reactions: Solid Divalent Metals with Aqueous Divalent Metal Cations using Theoretical and Microscale Experimental Approach
20010	P17	Poster Session1	Saturday, July 26, 13:00–13:45	Mechanism of Reducibility exhibited by Monosaccharides under basic conditions
20011	P19	Poster Session1	Saturday, July 26, 13:00–13:45	Luminol reaction without utilizing hydrogen peroxide
20012	P20	Poster Session2	Saturday, July 26, 13:45–14:30	Silver Mirror can not be produced with Formic Acid
20013	P43	Poster Session1	Saturday, July 26, 13:00–13:45	Investigation of Adsorbents for Measuring ²²² Rn Concentration ~Development of a Geological Survey Method Without Drilling~
20014	P25	Poster Session1	Saturday, July 26, 13:00–13:45	Development of STEAM teaching materials using rotaxane type molecular shuttles
20015	OP13	Oral Session	Sunday, July 27, 11:00–11:20	Experimental Learning Program for Pre-service Teacher Education: Relationship between Learners' Understanding and Mathematics in a Conceptual Understanding of Reaction Rate

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20017	OP6	Oral Session	Saturday, July 26, 11:50-12:10	Instruction on High School Chemistry Lab Reports Using Generative AI -Developing the ability to distinguish between appropriate and inappropriate use-
20018	P44	Poster Session2	Saturday, July 26, 13:45-14:30	Verifying and Elucidating the Anti-itch Effect of <i>Potentilla hebiichigo</i>
20019	P45	Poster Session1	Saturday, July 26, 13:00-13:45	Development of Sunscreen Using UV Absorbers Derived from onion skin
20021	P21	Poster Session1	Saturday, July 26, 13:00-13:45	Development and practice of experimental materials aimed at realizing unit weight and usefulness in the study of "Amount of substance"
20022	P23	Poster Session1	Saturday, July 26, 13:00-13:45	Proposal for systematically learning about molecular shapes in high school
20023	P13	Poster Session1	Saturday, July 26, 13:00-13:45	Visualization and Mathematical Exploration of the van der Waals Equation Using Excel
20024	P18	Poster Session2	Saturday, July 26, 13:45-14:30	Drawing with Light in Liquid: A Reversible Redox Reaction for Science Communication
20025	P22	Poster Session2	Saturday, July 26, 13:45-14:30	Development of chemical experiment simulation applications using a VR headset
20026	P46	Poster Session2	Saturday, July 26, 13:45-14:30	Reduce bath cleaning!~Antimicrobial effect of essential oils on <i>Rhodotorula</i> spp.~
20027	P24	Poster Session2	Saturday, July 26, 13:45-14:30	Inclusive Chemistry Learning: Developing Sulfur-Based Teaching Materials Incorporating Tactile and Color-Accessible Visual Elements
20028	P26	Poster Session2	Saturday, July 26, 13:45-14:30	Chemistry CLIL Lessons in Mongolia Taught in English or Japanese: Incorporating Hypothesis-Experiment Class
20029	P47	Poster Session1	Saturday, July 26, 13:00-13:45	A Reaction That Stops- Leaving Behind a Scent A Mild and Selective Method for Oxidizing Amines