

ROOM 1	
2.15 – 2.30 (1)	[O-CE06] <u>Retno Ayu Puspita</u>, Ella Fitriani, Gusman Santika, Edith Allanas, Azzahra Nabila, Maulina Jasmin <i>Guided Inquiry Meets Green Chemistry: Enhancing High School Students' Experiences in Chemistry Learning</i>
2.30 – 2.45 (2)	[O-CE09] <u>Jianfen Wang</u>, Tien Tien Lee <i>Implementing Chemistry Core Competencies in China: Teachers' Cognition, Challenges, and Resource Needs</i>
2.45 – 3.00 (3)	[O-CE10] <u>Norsyazwani Muhamad Dah</u>, Saripah Salbiah Syed Abdul Azziz, Mohd Mokhzani Ibrahim <i>Meneroka Penghujahan Saintifik Murid melalui Pendekatan Pembelajaran Sains Berasaskan Inkuiri dalam Konsep Asid dan Alkali</i>
3.00 – 3.15 (4)	[O-CE12] <u>Anusia Thevendaran</u>, Muhd Ibrahim Muhamad Damanhuri <i>Development and Usability Perception of Carbon Dash to Teach Hydrocarbons Pre-University Chemistry Students</i>
3.15 – 3.30 (5)	[O-CE14] <u>Yunilia Nur Pratiwi</u>, Dadan Rosana, Ali Muhson, Edi Istiyono, Erna Andriyanti <i>A Decade of Academic Resilience in Science Education: A Bibliometric Analysis</i>
3.30 – 3.45 (6)	[O-CE08] [RECORDING VIDEO] <u>Lili Zhou</u>, Tien Tien Lee, Mingming Xing <i>Cultivating Scientific Literacy in Higher Education: Evidence from the Implementation of an Inorganic Chemistry Teaching Module in China</i>
CHAIRPERSON	DR. NILAVATHI BALASUNDRAM
ASSISTANT	FAEZATUL ALWANI

ROOM 2	
2.15 – 2.30 (1)	[O-C14] <u>Nur Khaliesa Zulkarnaen</u>, Noorshida Mohd Ali, Amalina Mohd Tajuddin, Uwaisulqarni M. Osman <i>Luminescent Iridium(III) Complex with Alkoxy-Functionalised 2-Phenylpyridine Ligands: Synthesis, Spectroscopic and Photophysical Studies</i>
2.30 – 2.45 (2)	[O-C18] <u>Siti Rodhiyah Sapie</u>, Azlan Kamari, Wong Susana Siew Tin <i>Synthesis and Utilization of Carboxymethyl Cellulose from Sugarcane Bagasse Agricultural Waste to Improve Physicochemical Properties of Fish Gelatin Based Film</i>
2.45 – 3.00 (3)	[O-C19] <u>Achmad Ramadhanna'il Rasjava</u>, Wiwin Tyas Istikowati, Sunardi, Azlan Kamari <i>Simultaneous Saccharification and Fermentation of Rice Husk (Oryza sativa cv. Ciherang): Single-Factor Screening and Response Surface Methodology Optimization for Bioethanol Production</i>
3.00 – 3.15 (4)	[O-C20] <u>Norkamilah Mohammed Abdullah</u>, Mohd Kamal Nik Hasan, Abu-Baker M. Abdel-Aal, Yuhanis Mhd Bakri, Rozita Yahaya, Muhammad Aqil Aryan Wong, Saripah Salbiah Syed Abdul Azziz <i>Discovering of a New PDE-5 Inhibitor from Areca catechu for Male Reproductive Health</i>
3.15 – 3.30 (5)	[O-C21] <u>Aulia Rhamdani Arfan</u>, Utami Irawati, Muhammad Farid Ramadhan Nur Aiddin, Reihan Syafutra, Wiwin Tyas Istikowati, Azlan Kamari <i>Clarifying Tropical Peat Water Using Chitosan–PAC: From Practical Dose Tuning to Solvent-Controlled Efficiency</i>
3.30 – 3.45 (6)	[O-C22] <u>Serina Amka Putri</u>, Sunardi, Azlan Kamari <i>Synthesis and FT-IR Characterization of Sodium Dodecyl Sulfate -Modified Chitosan</i>
CHAIRPERSON	DR. MOHAMAD SYAHRIZAL BIN AHMAD
ASSISTANT	PN. RADIAH

ROOM 3	
2.15 – 2.30 (1)	[O-C09] Ika Keumala Fitri, Erdawati, Tegar Cahya Widodo, Futi Kusuma Hati <i>Antidiabetic, Anticholesterol, And Antihypertensive Activities Potential Of Peptides Derived From Walnut, Bitter Melon, And Soybean</i>
2.30 – 2.45 (2)	[O-C10] Wiwin Tyas Istikowati, Sunardi, Abdul Ghofur, Utami Irawati, Dwi Umi Siswanti, Achmad Ramadhanna'il Rasjava, Aulia Rhamdani Arfan, Ratih Afrida Lismana Sari, Azlan Kamari <i>Plastic Composite Product Toward Zero Waste in Banjarbaru, South Kalimantan, Indonesia</i>
2.45 – 3.00 (3)	[O-C11] Nur Aziani Hermanto, Yusnita Juahir, Noorshida Mohd Ali, Norlaili Abu Bakar, Mohamad Syahrizal Ahmad, Faridah Lisa Supian, Uwaisulqarni M. Osman <i>From Silent Quench to Green Glow: Experimental and Theoretical Insight into Pb²⁺ Ion- Induced Fluorescence of Chromone Hydrazone</i>
3.00 – 3.15 (4)	[O-C12] Mohd Akmal Farhan Rashid, Ilyas Md Isa <i>Voltammetric Measurement of Manganese (II) Using Zinc Layered Hydroxide-4-(2,4-dichlorophenoxybutyrate) Nanocomposite Modified Multiwalled Carbon Nanotube Composite Paste Electrode</i>
3.15 – 3.30 (5)	[O-C16] Utami Irawati, Aida Fitriah, Fira Hidayati, Wiwin Tyas Istikowati, Azlan Kamari <i>Evaluating Chitosan as a Sustainable Alternative to Conventional Coagulants for Eutrophic Water Treatment</i>
3.30 – 3.45 (6)	[O-C17] Wong Susana Siew Tin, Azlan Kamari, Siti Rodhiyah Sapie <i>Preparation and Physicochemical Properties of Cellulose Nanocrystals-Stabilised Lemongrass Essential Oil Pickering Nanoemulsion</i>
3.45 – 4.00 (7)	[O-C13] [RECORDING VIDEO] Sharifah Norain Mohd Sharif, Norhayati Hashim, Saleha Misuan <i>The Impact of Hygroscopic Chitosan Coating on the Controlled Release Behaviour of Magnesium Layered Hydroxide 3-(4-methoxyphenyl)propionate/Chitosan Nanocomposite</i>
CHAIRPERSON	DR. MAZLINA BINTI MUSA
ASSISTANT	PN NURUL AIN

ROOM 4	
2.15 – 2.30 (1)	[O-C15] <u>Abu-Baker M. Abdel-Aal</u> <i>Novel Anticancer Chalcones and Flavonoids Targeting Tubulin</i>
2.30 – 2.45 (2)	[O-C23] <u>Mohamad Hafiz Ahmad Tajudin</u>, Mohamad Syahrizal Ahmad, Illyas Md Isa, Emi Norzehan Mohamad Mahbob, Norhayati Hashim, Anwar Ul-Hamid, Mohamad Idris Saidin, Rahadian Zainul, Suyanta M. Si, Sofian Ibrahim <i>A Novel High-Performance Non-Enzymatic Glucose Sensor Based on MWCNT Modified with Aluminium/Zinc Layered Hydroxide-Ferulate Nanocomposites</i>
2.45 – 3.00 (3)	[O-C24] <u>Ratih Afrida Lismana Sari</u>, Manggar Arum Aristri, Maeda Wahyuningrum, Mellania Chandra Dewi, Niken Hardiyanti, Dhimas Pramadhani, Awanda Wira Anggini, Rita Kartika Sari, Wiwin Tyas Istikowati, Sunardi, Azlan Kamari <i>Phytochemical Characterization and Nanoemulsion Formulation of Merbau Wood Extract with Nutmeg Leaf Essential Oil as a Potential Natural Skin-Lightening Ingredient</i>
3.00 – 3.15 (4)	[O-C25] <u>Muktiningsih Nurjayadi</u>, Valia Rahma, Fauzan Alipsyah, Fuzi Rahmawati, Hana Fajriah, Okky Rizky Pratama, Vinka Juniaty Lestari, Wanda Hanifa, Jefferson Lynford Declan, Siti Fatimah, Anisa Fitriyanti, Royna Rahma Musie, Irwan Saputra, Irma Ratna Kartika, Ika Keumala Fitri, Futi Kusumawati, Aulanni'am, Shyi-Tien Chen, Bassam Aboemolak, Hesham Ali El-Enshasy <i>Efficacy Testing of a Prototype Real-Time PCR Kit Based on the <i>sifA</i> Gene for the Detection of <i>Salmonella typhi</i> in Chicken Samples from Traditional Market in Jakarta</i>
3.15 – 3.30 (5)	[O-C26] Yusmaniar, Rias Gesang Kinanti, Kartika Ratna Pertiwi, Wulan Kharisma Dera, Setia Budi, Yussi Pratiwi, <u>Neng Tresna Umi Culsum</u> <i>Green Synthesis and Characterization of PVA/CMC Bioplastics Reinforced with Coconut Fiber-Derived Cellulose</i>
3.30 – 3.45 (6)	[O-C27] Nur Khaliesa Zulkarnaen, <u>Suzaliza Mustafar</u>, Azlan Kamari, Shahrul Kadri Ayop, Norlinda Daud, Ma. Leah Borines, Abubaker Mustafar Abdelaal Elsayed, Masliana Muslimin, Ety Nurlia Kusumawati <i>Photocatalytic Degradation of Methylene Blue and Rhodamine B Using a Copper (II) Complex with Phenanthroline-Based Ligands</i>
CHAIRPERSON	DR. SITI NUR AKMAR BINTI MOHD YAZID
ASSISTANT	NUR NABILAH

ROOM 5	
2.15 – 2.30 (1)	[O-CE01] <u>Rika Siti Syaadah</u>, Maria Paristiowati, Atika Dea Mumtaza, Elsa Vera Nanda, Sarina Hanifah <i>Development of Flipbook-Based Learning Media Integrated with Abacus for the Periodic Table of Elements Using the POE (Predict, Observe, Explain) Approach</i>
2.30 – 2.45 (2)	[O-CE02] <u>Tiwi Nur Astuti</u>, Febrian Solikhin, Edith Allanas, Gusman Santika, Retno Ayu Puspita <i>Beyond the Lab: 3D Virtual Reality as a Catalyst in Hybrid Chemistry Education</i>
2.45 – 3.00 (3)	[O-CE03] <u>Maria Paristiowati</u>, Rika Siti Syaadah, Hanhan Dianhar, Fitriyah, Tiwi Nur Astuti <i>The Utilization of Microsoft Excel-Based Graphic Applications and Their Impact on Students' Cognitive and Psychomotor Learning Outcomes</i>
3.00 – 3.15 (4)	[O-CE04] <u>Sarina Hanifah</u>, Elva Stiawan, Futi Kusuma Hati, Ayu Farida, Astrid Blandina Cynthia Lubis <i>Teaching of Peptide Structures at the High School Level through Case-Based Learning on Biohazard Properties of Coronavirus Epitopes</i>
3.15 – 3.30 (5)	[O-CE13] <u>Nilavathi Balasundram</u>, <u>Hazwani Hussein</u> <i>Effectiveness of Project-Based Machine Learning (PjBML) on Students' Acid-Base Understanding and 21st-Century Skills</i>
3.30 – 3.45 (6)	[O-CE15] <u>Nurul Nashuha Abu Hassan</u>, Nilavathi Balasundram <i>Effectiveness of EcoDiorama towards Students' Systems Thinking, Attitude in Chemistry and Perceptions on Sustainable Development Goals</i>
3.45 – 4.00 (7)	[O-CE16] <u>Nur Amira Husnina Amir Iswandi</u>, Nilavathi Balasundram <i>Evaluating Laboratory Safety Through Experiments On Students' Knowledge and Manipulative Skills</i>
CHAIRPERSON	DR. MOHD MOKHZANI BIN IBRAHIM
ASSISTANT	ANJELICA

ROOM 6	
2.15 – 2.30 (1)	[O-C02] <u>Nur Alieeya Mohd Anuar</u>, Uwaisulqarni M. Osman, Khadijah H. Kamarudin <i>Structural and Computational Studies of New Protonated 4-(3-Bromophenyl) Thiosemicarbazide Additive for High-Conductivity Polymer Electrolytes</i>
2.30 – 2.45 (2)	[O-C03] <u>Riskia Chandra Widianti</u>, Vida Zenitha Sudariasri, Erdawati, Aisyah Mohamad Sharif <i>Development Treatment Polluted River Water with Electrococoagulation Method Based on Green Technology</i>
2.45 – 3.00 (3)	[O-C05] <u>Nur Iraizzati Shaifudin</u>, Aisyah Mohamad Sharif, Yusnita Juahir, Norlaili Abu Bakar <i>Synthesis of Thiol-Functionalised γ-Al₂O₃ As Adsorbent for Cd²⁺ Removal</i>
3.00 – 3.15 (4)	[O-C06] <u>Futi Kusuma Hati</u>, Sandra Hermanto, Erdawati, Nahdah Asrinovindah, Ika Keumala Fitri, Sarina Hanifah <i>Optimization and In Vitro Evaluation of α-Glucosidase Inhibitory Activity of Bioactive Peptides From Papain-Hydrolyzed Black Soybean Protein</i>
3.15 – 3.30 (5)	[O-C07] <u>Mas Mohammed</u>, Wan Mohd Khairul Wan Mohamed Zin <i>Computational Evaluation, Synthesis and Non-Linear Optical (NLO) Properties of Conjugated Ethynylated-Chalcones as Potential Organic Light Emitting Diodes (OLEDs) Materials</i>
3.30 – 3.45 (6)	[O-C08] <u>Nur Syazwani Rahmie Rahman</u>, Nor Zakiah Nor Hashim, Hussein Hanibah, Jamaluddin Mahmud, Rossuriati Dol Hamid <i>Ink Matters: Comparative Analysis of Black Fountain Pen Inks from Three Popular Brands</i>
CHAIRPERSON	DR. NURULSAIDAH BINTI ABDUL RAHIM
ASSISTANT	AUDREY

ROOM 7	
2.15 – 2.30 (1)	[O-M01] Ahmad Banji Jafar, Muhammed Murtala Hamza, Isah Bala Yabo <i>The Influence of Nonlinear Thermal Radiation on MHD Nonlinear Free Convection Nanofluid Flow over a Nonlinear Stretching Sheet</i>
2.30 – 2.45 (2)	[O-ME04] Viashany Subramaniam, Phoong Seuk Yen <i>Pembangunan dan Keberkesanan Permainan Dreamscape berasaskan Artificial Intelligence dalam Pembelajaran Topik Matematik Pengguna bagi Murid Tingkatan Tiga</i>
2.45 – 3.00 (3)	[O-ME05] Izan Roziana Mohd Dadiri, Rohaidah Masri, Mazlini Adnan, Mohd Syazwan Mohd Roslan <i>Enhancing Algebra Learning Through Brain-Based Strategies: A Mini Review</i>
3.00 – 3.15 (4)	[O-ME06] Syaza Khairina Khairul Nizam, Rohaidah Masri, Fainida Rahmat, Zamzana Zamzamin@ Zamzamin <i>Exploring Mathematical Identity Among Mathematics Teachers: A Systematic Literature Review</i>
3.15 – 3.30 (5)	[O-ME07] Siti Norhayati Zonol, Nurulhuda Ramli <i>A Comparative Analysis of Machine Learning Algorithms for Student Behavioral Engagement in Online Learning</i>
3.30 – 3.45 (6)	[O-S05] Norazila Ibrahim, Rabiatuladawiyah Md. Akhir, Annie Maria Mahat, Zurianti Abd. Rahman, Surajudeen Sikiru, Rosmamuhamadani Ramli, Mohd Fauzi Maulud, Syaiful Osman, Nurul Nadiah Mohd Firdaus Hum, Faeiza Buyong, Noor Zaidi Sahid, Nur Salmah Salman, Norhayati Mohd Tahir <i>University-School Collaboration STEM Education: A Magnetic Water Filtration Module for Enhancing Students' Applied Learning Skills</i>
3.45 – 4.00 (7)	[O-SE05] Rahmania Pamungkas <i>Cultivating Scientific Creativity through STEM-Design Thinking: Lessons from Maggot Bioconversion and Eco-Enzyme Projects</i>
CHAIRPERSON	DR. RISWAN EFENDI
ASSISTANT	NURIN JAZLIN

ROOM 8	
2.15 – 2.30 (1)	[O-ME01] <u>Yee Jin Lee</u>, Phoong Seuk Yen <i>Development and Usability of ProbaXcape in Simple Probability Topic Among Form Two Students</i>
2.30 – 2.45 (2)	[O-ME02] <u>Pei Qi Gan</u>, Phoong Seuk Yen <i>Development and Usability Of Polycompass In Polygon Topic Among Form Two Students</i>
2.45 – 3.00 (3)	[O-ME03] <u>Shalini Ganesan</u>, Phoong Seuk Yen <i>Development and Usability of a Geoshape 3D Learning Module on Three-Dimensional Geometrical Shapes in Form 2 Mathematics</i>
3.00 – 3.15 (4)	[O-ME08] <u>Siti Kholifah</u>, St. Budi Waluya, Widowati, Walid, Sugiman <i>Exploring the Impact of Math Self-Efficacy on Mathematical Literacy Competencies of Junior High Students</i>
3.15 – 3.30 (5)	[O-S01] <u>Ainun Najih</u>, Nisak Nirmala Rosy, Tofan Adityawan <i>An Analytical Study on the Development of a SETS-Based Science E-Module Incorporating the Local Potential of Mojokerto Pressed Bricks to Enhance Students' Critical Thinking Skills</i>
3.30 – 3.45 (6)	[O-S04] <u>Nazrul Azlan Abdul Samat</u> <i>Comparative Numerical Analysis of Metallic- and Carbon-Based Nanofluids Flow over a Moving Surface with Magnetohydrodynamic Effect</i>
3.45 – 4.00 (7)	[O-M02] <u>Widdya Rahmalina</u>, Riswan Efendi, Lita Lovia, Izzati Rahmi, Hazmira Yozza <i>Enhancing K-Nearest Neighbour Performance Using Rough Sets and SMOTE-NC on Imbalanced Medical Data</i>
CHAIRPERSON	PROF. MADYA DR. MAZLINI BINTI ADNAN
ASSISTANT	FLORENCE

ROOM 9	
2.15 – 2.30 (1)	[O-P01] <u>Aishaljit Singh</u>, A.B. Suriani, A. Mohamed, Ghani Ur Rehman <i>Fabrication of ZrO₂-GO-CdS Ternary Nanocomposites for Enhanced Photocatalytic Degradation of Phenanthrene</i>
2.30 – 2.45 (2)	[O-B02] Anati Abd Rashid Syaida, Mohd Taufiq Mat Jalil, Faez Firdaus Abdullah Jesse, Shankar Ganesh, <u>Mohd Fakharul Zaman Raja Yahya</u> <i>Curcumin Inhibits Biofilm Formation in Key Bovine Mastitis Pathogens: Staphylococcus aureus, Streptococcus dysgalactiae and Escherichia coli</i>
2.45 – 3.00 (3)	[O-B03] <u>Dwi Umi Siswanti</u>, Rindha Amarsita, Oryza Enwiera Rain, Wiwin Tyas Istikowati, Azlan Kamari <i>Biofertilizer as Anthracnose Control Agent: Inhibition Colony of Colletotrichum sp. and Accelarate Plant Growth of Chili (Capsicum frutescens L.)</i>
3.00 – 3.15 (4)	[O-S02] Rafshel Heikal Mahafani, Annisa Maulidina, Desmalina Safitri, Risma Rahmawati, Dewi Umaningrum, Utami Irawati, Dahlena Ariyani, Wiwin Tyas Istikowati, Azlan Kamari, <u>Sunardi</u> <i>Surfactant Modified Spent Bleaching Earth Carbon for Sasirangan Liquid Waste Adsorption</i>
3.15 – 3.30 (5)	[O-S03] <u>Miarta Dwangga</u>, Sunardi, Azlan Kamari <i>Characterization of Arenga pinnata Fruit Waste Biochar</i>
3.30 – 3.45 (6)	[O-SE04] <u>Darni Darmin</u>, Kaliyamah Raman <i>The Relationship Between Achievement Emotions and Academic Performance Through Quiz-Based Learning on the Wayground Platform</i>
CHAIRPERSON	DR. IZAN ROSHAWATY BINTI MUSTAPA
ASSISTANT	NORAZRINA