

## 8<sup>th</sup> ICMBB 2025

### Poster Presentation Schedule (25th June 2025)

	Poster Competition 1						
	P1 Agricultural/ Aquacultural Biotechnology & Molecular Biology	P2 Environmental Biotechnology & Molecular Biology	P3 Medical Biotechnology & Molecular Biology	P4 Medical Biotechnology & Molecular Biology	P5 Medical Biotechnology & Molecular Biology	P6 Medical Biotechnology & Molecular Biology	P7 Multi-omics & Bioinformatics
3.50 – 4.00 pm	<b>PA001</b> Characterization of <i>Serratia</i> sp. and <i>Stenotrophomonas</i> sp. for Consortium Development to Degrade Food and Agriculture Waste  Mr. Ho Yong Quan <i>Universiti Tunku Abdul Rahman</i>	<b>PE001</b> The Knowledge, Awareness, Attitude, Motivation and Practice of Plastic Waste Disposal Among Riverine Communities in Kota Samarahan  Prof. Dr. Gabriele R. A. Froemming <i>Universiti Teknologi MARA</i>	<b>PM001</b> From Tradition to Treatment: Phytochemical Insights and Antibacterial Potential of Medicinal Plants from the Kajang Ethnic Tribe in Sarawak  Dr. Fauziah Abu Bakar <i>Universiti Putra Malaysia</i>	<b>PM008</b> Anti-Cancer activity of Green-Synthesized Silver Nanoparticles with <i>Strobilanthes crispus</i> on CT26 Colon Carcinoma Cells  Assoc. Prof. Ts. Dr. Rohazila Mohamad Hanafiah <i>Universiti Teknologi MARA</i>	<b>PM016</b> AI-Driven Meta-Analysis of Nanoparticle-Based Strategies to Overcome Drug Resistance in Pancreatic Cancer  Ms. Ragia Sarker <i>Universiti Malaya</i>	<b>PM024</b> Association of DPF3 Polymorphism (rs10129954) with Male Infertility in the Malaysian Population- A Preliminary Study  Ms. Wafa Liyana Mohamad Zainol <i>Universiti Sains Malaysia</i>	<b>PB001</b> <i>In-silico</i> Studies of Compounds from The Pandemic Response Box in Inhibiting Three Indispensable Proteins of <i>Toxoplasma Gondii</i>  Ms. Nurin Hanisah Mohd Yatim <i>Universiti Sains Malaysia</i>
4.00 – 4.10 pm	<b>PA002</b> Effects of Biofloc and Recirculating Aquaculture System on Water Quality in <i>Oreochromis</i> spp. Culture Using Fiberglass Tanks  Dr. Noor Faizah Ismail <i>Fisheries Research Institute</i>	<b>PE002</b> Production of Phytase Enzyme by <i>Frateuria aurantia</i> UMK PS-3, a Phosphate Solubilizing Bacteria Isolated from Paddy Rhizosphere  Dr. Ainihayati Abdul Rahim <i>Universiti Malaysia Kelantan</i>	<b>PM002</b> Dysregulation of Angiogenesis and Suppression of Cytokine-Cytokine Receptor Interaction and Chemokine Signalling Pathway in Placenta of Patient with Early-Onset Preeclampsia  Mr. Muhammad Aliff Mohamad <i>Universiti Sains Islam Malaysia</i>	<b>PM009</b> Evaluation of $\beta$ -Sitosterol Mediated Silver Nanoparticle and Its Cytotoxicity against Various Cancer Cell Lines  Assoc. Prof. Dr. Siti Aisyah Abd Ghafar <i>Universiti Sains Islam Malaysia</i>	<b>PM017</b> Elucidating the Cytokine Receptors in Patients with Systemic Lupus Erythematosus  Ms. Ummul Aqeela Balqees <i>Universiti Sains Malaysia</i>	<b>PM025</b> Aptamer-Driven Therapeutic Strategies Against Dengue Virus  Ms. Nur Firzanah Ruzi <i>Universiti Teknologi MARA</i>	<b>PB002</b> Functional Characterization of the Tryptophan Decarboxylase (TDC) Gene in <i>Mitragyna speciosa</i>  Ms. Nurul Izzahtul Liyana Azman <i>International Islamic University Malaysia</i>

4.10 – 4.20 pm	<p><b>PA003</b> Evaluation of the Physio-Biochemical Impact of Exogenously Applied Natural and Synthetic Growth Stimulators on Drought Tolerance in Maize (<i>Zea mays</i> L.) Plants</p> <p>Mr. Abrar Ahmad <i>Universiti Malaya</i></p>	<p><b>PE003</b> Global Research Trends on AI in Environmental Monitoring: A 21st Century Bibliometric Analysis</p> <p>Dr. Muhamad Naim Abd Malek <i>Universiti Tunku Abdul Rahman</i></p>	<p><b>PM003</b> Elucidation of Antimicrobial and Antibiofilm Properties of Antimicrobial Substance from <i>Paenibacillus polymyxa</i> Kp10 against Methicillin-Resistant <i>Staphylococcus aureus</i> and <i>Klebsiella Pneumoniae</i></p> <p>Ms. Farah Syahrain Roslan <i>Universiti Putra Malaysia</i></p>	<p><b>PM011</b> Identification of a SH2D1A Mutation in a Patient with X-linked Lymphoproliferative Disease Type-1</p> <p>Dr. Mohd Farid Baharin <i>Institute for Medical Research</i></p>	<p><b>PM018</b> Neutrophils in Chronic Periodontitis</p> <p>Dr. Nurul Iman Badlishah Sham <i>Universiti Sains Islam Malaysia</i></p>	<p><b>PM026</b> Elucidating the Roles of Phoenixin in Mitigating Apoptosis and Cellular Death</p> <p>Ms. Nur Dina Muhammad Fuad <i>Universiti Kebangsaan Malaysia</i></p>	<p><b>PB003</b> Mapping the Intersection of Artificial Intelligence and Bioinformatics: A Bibliometric Analysis of Research Trends and Thematic Clusters</p> <p>Dr. Tan Yee Hock</p>
4.20 – 4.30 pm	<p><b>PA004</b> Effects of Different Medium Culture and Mineral Medium Strength on Shoot Establishment of <i>Cryptocoryne elliptica</i> Hook. f.</p> <p>Mrs. Norhanizan Sahidin <i>Fisheries Research Institute</i></p>	<p><b>PE004</b> Identification of Small Mammals and Pathogen Surveillance in Rodent Populations</p> <p>Mr. Siew Zhen Yun <i>University of Nottingham Malaysia</i></p>	<p><b>PM004</b> Effects of Palm Tocotrienol-incorporated Calcium Phosphate Cement on Collagen and Trabecular Bone Formation at Tibial Bone Defect in Ovariectomised Rats</p> <p>Ts. Dr. Wong Sok Kuan <i>Universiti Kebangsaan Malaysia</i></p>	<p><b>PM012</b> Effects of Cytotoxicity, Apoptosis and Immunomodulation of <i>Ganoderma lucidum</i> and Its Nanoparticles in Oral Cancer</p> <p>Assoc. Prof. Ts. Dr. Khor Goot Heah <i>Universiti Teknologi MARA</i></p>	<p><b>PM019</b> Apolipoprotein-Mediated Differences in Dengue Virus Serotype 1 and 2 Attachment and Release in Huh-7 Cells</p> <p>Mr. Radzi Ikhsan Ahmad <i>Universiti Teknologi MARA</i></p>	<p><b>PM027</b> Molecular Links Between Periodontal Disease and Alzheimer's Disease: A Systematic Review</p> <p>Dr. Nor Zaihana Abdul Rahman <i>Universiti Sains Islam Malaysia</i></p>	<p><b>PB004</b> <i>In silico</i> Assessment of Flavonoid-Bcl-xL Interactions Through ADMET Profiling and Molecular Dynamics Insights</p> <p>Assoc. Prof. Dr. Nuruliza Roslan <i>Universiti Sains Islam Malaysia</i></p>
4.30 – 4.40 pm	<p><b>PA005</b> The Effect of Flood and Drought on The Growth and Physiological Traits of Common Chilli Species in Malaysia</p> <p>Ms. Nurin Izzah Fairuzamizi <i>Universiti Putra Malaysia</i></p>	<p><b>PE005</b> Isolation, Identification and Characterisation of <i>Citrobacter</i> Species from Gunung Nuang, Selangor</p> <p>Ms. Siti Norazlin Muhamad Nor <i>University of Nottingham Malaysia</i></p>	<p><b>PM005</b> The Synergistic Effect of Vitamin D3 And K2 on Neuronal Structural Function Via Osteocalcin-BDNF on Chronic Social Defeat Stress CSDS</p> <p>Ms. Siti Nur Atiqah Zulaikah Nasarudin <i>Management and Science University</i></p>	<p><b>PM013</b> The Molecular Mechanisms Underlying the Effects of Resveratrol on ECM Remodelling: A Scoping Review</p> <p>Ms. Nurul Syakira Suhaimi <i>Universiti Teknologi MARA</i></p>	<p><b>PM021</b> Berberine and Genistein Attenuate Methylglyoxal-Induced Oxidative Stress and Osteoblast Cell Death</p> <p>Assoc. Prof. Dr. Alyaa Alkhateeb <i>Universiti Teknologi MARA</i></p>	<p><b>PM028</b> Investigating the Cytotoxicity Profile of Rubraxanthone on Vero 76 Cells</p> <p>Ms. Nurul Syifa Mat Nasir <i>Universiti Teknologi MARA</i></p>	<p><b>PB006</b> <i>In silico</i> Evaluation of Curcumin as a Potential Allosteric Modulator of mGluR5</p> <p>Dr. Hazim Arief Halim <i>Universiti Sains Islam Malaysia</i></p>

4.40 – 4.50 pm	<p><b>PA006</b> Molecular Diagnosis of Groundnut Rosette Disease Virus in Yola, Nigeria</p> <p>Ms. Hasiya Usman Jibrilla <i>Modibbo Adama University, Nigeria</i></p>	<p><b>PE006</b> Exploring Flora Biodiversity at UNISEL Bird's Sanctuary: Transforming Biodiversity Data for Biotechnological Innovation</p> <p>Dr. Norazah Mohammad Nawawi <i>Universiti Selangor</i></p>	<p><b>PM006</b> Assessing The Effect of Lapatinib on Intestinal Cells and Microbiota in A Co-Culture Model</p> <p>Ms. Nur Syafina Hisham <i>Universiti Teknologi MARA</i></p>	<p><b>PM014</b> Antioxidative and Anti-Inflammatory Activities of <i>Aquilaria malaccensis</i> Leaves Extract</p> <p>Mr Ong Sheng Wei <i>Tunku Abdul Rahman University of Management and Technology</i></p>	<p><b>PM022</b> The Role of Tight Junction Proteins in Tyrosine Kinase Inhibitor-Induced Diarrhoea: A Scoping Review</p> <p>Ms. Nurul Fathiah Hairul Anuar <i>Universiti Teknologi MARA</i></p>	<p><b>PM029</b> Biofilm Formation and Gene Expression in <i>Candida albicans</i> Isolates from Vulvovaginitis Candidiasis Patients</p> <p>Assoc. Prof. Dr. Masfufatun <i>Universitas Wijaya Kusuma Surabaya, Indonesia</i></p>	<p><b>PB007</b> MicroRNA Profiling Identifies Hypoxia-Induced Inflammation-Associated Genes in Breast Cancer-Related Lymphedema: An <i>In silico</i> Study</p> <p>Ms. Sabrina Ambok Malek <i>Management and Science University</i></p>
4.50 – 5.00 pm	<p><b>PA007</b> Identification and Control of Pathogens Associated with Tomato Post Harvest Decay Using Plant Extracts in Some Local Government in Adamawa State</p> <p>Mr. Mohammed Aminu Njobdi <i>Modibbo Adama University, Nigeria</i></p>	<p><b>PE007</b> Methanogenic Archaeal Class Bog-38 in the North Selangor Peat Swamp Forest: A Tropical Outlier in a Predominantly Arctic Lineage</p> <p>Mr. Muhammad Zarul Hanifah Md Zoqratt <i>Monash University Malaysia</i></p>	<p><b>PM007</b> A Multiplex Real-Time Polymerase Chain Reaction Assay for the Detection of Intestinal Protozoal Infections</p> <p>Ms. Nor Shazlina binti Mohamed Mizan <i>Universiti Teknologi MARA</i></p>	<p><b>PM015</b> Evaluation of In Vitro Cytotoxicity and Antioxidant Activity of <i>Senna alata</i> Leaf Extract on the MCF Cell Line</p> <p>Dr. Zulaiha A Rahman <i>Universiti Sains Islam Malaysia</i></p>	<p><b>PM023</b> <i>Plasmodium knowlesi</i> Pkr140 Repetitive Sequence Gene as Targets for Duplex qPCR in Malaria Diagnosis</p> <p>Mr. Mohd Adilin Yaacob <i>Institute for Medical Research</i></p>	<p><b>PM030</b> Characterizing PFKP as a Metabolic Regulator in RUNX1::ETO Leukaemia</p> <p>Mr. Zainul Abeden <i>Universiti Sains Malaysia</i></p>	<p><b>PB008</b> Molecular Docking Analysis of Metal Oxide Nanoparticles Against ESBL <i>Escherichia coli</i></p> <p>Mr. Wan Amirul Syazwan Wan Ahmad Munawar <i>Universiti Sains Malaysia</i></p>

## 8<sup>th</sup> ICMBB 2025

### Poster Presentation Schedule (26th June 2025)

	Poster Competition 2					
	P8 Agricultural/ Aquacultural/ Industrial/Food Biotechnology & Molecular Biology	P9 Industrial/Food Biotechnology & Molecular Biology	P10 Industrial/Food Biotechnology & Molecular Biology/ Multi-omics & Bioinformatics	P11 Medical Biotechnology & Molecular Biology	P12 Medical Biotechnology & Molecular Biology	P13 Medical Biotechnology & Molecular Biology/Multi-omics & Bioinformatics
3.05 – 3.15 pm	<b>PA008</b> Differential Proteins and Metabolites in the Fruit Mesocarp of Two Oil Palm Clones Differing in Oil Yield  Ms. Hasliza Hassan <i>Malaysian Palm Oil Board</i>	<b>PF002</b> Investigation of <i>Hylocereus undatus</i> Foliage Natural Surfactant on the Water-in-oil Emulsion Mixtures with Cooking and Engine Oils  Ms. Beatrice Robin <i>Universiti Teknologi MARA</i>	<b>PF007</b> Improving Expression of Antimicrobial Peptide Tiritpticin in Soluble Fractions Using Signal Peptides  Ms. Chai Yi Torng <i>University of Nottingham Malaysia</i>	<b>PM031</b> MiR-217 Regulates Endothelial Replicative Senescence Through MiR-217/FOXO3 Axis  Mr. Khor Yi Sheng <i>Universiti Malaya</i>	<b>PM036</b> Influence of 5-Azacytidine on Telomerase Activity and Its Components (TERT & TERC) in K562 Leukaemic Cells  Mr. Amin Abdurrahman Abdul Rashid <i>Universiti Sains Malaysia</i>	<b>PM041</b> Prediction Model for Hypertension, Diabetes, and Hypercholesterolemia among Cardiovascular Disease Patients Using Machine Learning Algorithm  Ms. Nur Auni Khaliesa Khairuddin <i>Universiti Teknologi MARA</i>
3.15 – 3.25 pm	<b>PA009</b> Application of In-house Generated Positive Controls in Multiplex RT-PCR for Rapid Detection of Two Tungro Viruses  Ts. ChM Dr. Yee Siew Fung <i>Department of Agriculture Sarawak</i>	<b>PF003</b> Evaluation of Astaxanthin Production in Genetically Modified <i>Arthrospira platensis</i>  Mr. Gu Yanlong <i>UCSI University</i>	<b>PF008</b> Taguchi-Assisted Design of Bromelain-Loaded Pineapple Crystalline Nanocellulose-Zinc Oxide Nanofillers for Bioactive Wound Dressings Potential  Mr. Azhan Austad <i>Universiti Tun Hussein Onn Malaysia</i>	<b>PM032</b> AI-Driven Systems Pharmacology Reveals the Network Mechanisms of Cytarabine in Leukaemia Cells  Dr. Norodiyah Othman <i>Institute for Medical Research</i>	<b>PM037</b> Effect of Ozone on Allergen Expression in <i>D. farinae</i> with Cross-Reactivity Analysis of <i>G. malaysiensis</i>  Mr. Isaac Seow Yu Chen <i>University of Nottingham Malaysia</i>	<b>PM042</b> Decoding Cardiovascular Prescriptions: A Machine Learning Framework for Treatment Strategy Prediction  Dr. Nashuha Omar <i>Universiti Teknologi MARA</i>

3.25 – 3.35 pm	<p><b>PA010</b> Development of Microsatellite Markers in <i>Hopea nutans</i> (Giam), a tropical timber species</p> <p>Ms. Norliana Izzati Mohamad Rusli <i>Forest Research Institute Malaysia</i></p>	<p><b>PF004</b> Development and Characterization of EGCG-loaded TPGS/Poloxamer 407 Micelle for Sustained Release and Enhanced Membrane Permeability</p> <p>Assoc. Prof. Dr. Lee Siew Keah <i>Universiti Tunku Abdul Rahman</i></p>	<p><b>PB010</b> Computational Insights into The Immunomodulatory Potential of Alizarin: A Molecular Docking and Dynamics Study</p> <p>Dr. Sukma Sahadewa <i>Wijaya Kusuma Surabaya University, Indonesia</i></p>	<p><b>PM033</b> Modulation of TNFR2 Expression by Gold Nanoparticles in Regulatory T Cells from Peripheral Blood Mononuclear Cells of Rheumatoid Arthritis Patients</p> <p>Ms. Fatmawati Lambuk <i>Universiti Sains Malaysia</i></p>	<p><b>PM038</b> Characterization of PiuB oxidoreductase from <i>P. aeruginosa</i>: A Multi-Domain Inner Membrane Reductase in Siderophore-Mediated Iron Acquisition</p> <p>Ms. Soo Yung Li <i>Newcastle University, United Kingdom</i></p>	<p><b>PM043</b> Roxadustat-Induced MSC Secretome for Nucleus Pulposus Regeneration in a Rabbit IDD Model</p> <p>Ms. Tan Yee Ying <i>Universiti Malaya</i></p>
3.35 – 3.45 pm	<p><b>PA011</b> Yeast Homologous Recombination-Based Cloning: An Efficient Method for Constructing Infectious Clones of Tungro Viruses</p> <p>Assoc. Prof. Dr. Hamidun Bunawan <i>Universiti Kebangsaan Malaysia</i></p>	<p><b>PF005</b> Eco-Innovation in Focus: Comparative Insights into Ultrasound-Assisted Extraction Techniques for <i>Cassia alata</i> Leaves</p> <p>Mr. Lim Heng Chee <i>UCSI University</i></p>	<p><b>PB011</b> Integrative Bioinformatics Pipeline Uncovers Genetic Structure and Divergence in <i>Rubroshorea leprosula</i> using Genome-wide SNP Data</p> <p>Ms. Nur Nabilah Alias <i>Universiti Kebangsaan Malaysia</i></p>	<p><b>PM034</b> Identification of Pathogenic Rare Yeast Species in Clinical Samples</p> <p>Ms. Ratna Mohd Tap <i>Institute for Medical Research</i></p>	<p><b>PM039</b> Prevalence of Panton-Valentine Leukocidin (pvl) Gene in Community-acquired MRSA Isolated from Tertiary Malaysian Hospitals</p> <p>Dr. Nur Asyura Nor Amdan <i>Institute for Medical Research</i></p>	<p><b>PM044</b> Optimization and Application of Direct ELISA for Dengue Virus Envelope Protein Detection Using DNA Aptamers</p> <p>Ms. Nur Aida Laili Mislan <i>Universiti Teknologi MARA</i></p>
3.45 – 3.55 pm	<p><b>PF001</b> Comparison Between Vortex and Ultrasonic Emulsification Techniques of Oil-In-Water Emulsions Using <i>Hylocereus undatus</i> Foliage Surfactant</p> <p>Ms. Mimi Shazlyana Hamzah <i>Universiti Teknologi MARA</i></p>	<p><b>PF006</b> Evaluation of Therapeutic Activities of Postbiotic Derived from <i>Lactiplantibacillus plantarum</i> TAR4 with a Focus on Antioxidant, Antidiabetic and Anti-biofilm Properties</p> <p>Ms. Tang Meiki <i>Tunku Abdul Rahman University of Management and Technology</i></p>	<p><b>PB012</b> From Ice to Equator: Genetic and Potential Metabolites of Lichens with Antibacterial Promise</p> <p>Ms. Aisyah Syakirah Shahari <i>Universiti Teknologi MARA</i></p>	<p><b>PM035</b> Optimising MTS Assay Parameters for Reliable Assessment of Cell Viability and Proliferation in Oral Wound Healing Research</p> <p>Ms. Vivi Noryati Ahmad <i>Universiti Teknologi MARA</i></p>	<p><b>PM040</b> Gene Expression Insights into Cariogenic Oral Biofilm Eradication by Pomegranate-Derived Compounds</p> <p>Ts. Nurhayati Mohamad Zain <i>Universiti Teknologi MARA</i></p>	<p><b>PB009</b> Resolving Evolutionary Lineages in <i>Burkholderia pseudomallei</i> using Whole Genome SNP analysis</p> <p>Dr. Revathy Arushothy <i>Institute for Medical Research</i></p>