

Program schedule

Malaysian Society for Microbiology Postgraduate Symposium 2025

Theme: "Microbes as Catalysts for Sustainability"

 18 August 2025 (Monday)

 Akademia Siber Teknopolis, Universiti Kebangsaan Malaysia

Time	Activity	
	Auditorium	
0800-0900	Registration and Breakfast	
0900-0905	Opening Remark by Program Director	
0905-0915	Opening Remark by Dean	
0915-0930	Officiating by TNC	
0930-0945	Opening Ceremony and Photo Session	
0945-1015	Keynote talk by Prof. Dr. Kalaivani K Nadarajah <i>Soil Microbiomes and Sustainable Agriculture: From Hidden Networks to Global Solutions</i>	
1015-1030	Platinum Sponsor Talk by Apical Scientific Sdn Bhd	
1030-1045	Tea Break and Move to Breakout Room (Oral session)	
Time	Auditorium (Industrial and Agriculture) Chair: Dr. Nurulhikma Md Isa/ Dr Nur Hazlin Hazrin Chong	Seminar Room 1 (Environment and Medical) Chair: Dr Mohamed Yusuf Mohamed Nazir/ Dr Sylvia Chieng
1050-1110	Plenary 1 - Prof. Ts. Dr. Mohd Nasir bin Mohd Desa (Industrial) <i>Microorganisms as Catalysts in Healthcare Industry (highlighting my research at the academia–industry interface)</i>	Plenary 1 - Prof. Dr. Geok Yuan Annie Tan (Environment) <i>Microbes in the Air: Contamination and Detection</i>
1110-1130	Plenary 2 - Dr. Nur Zatul Iradah Roslan (Industrial)	Plenary 2 - Dr. Eliani Izani (Environment)

	<i>Sustainable Manufacturing and Waste Upcycling in the Kombucha Industry: Toward a Circular Production Model in Southeast Asia</i>			<i>Innovative Lab-on-a-Chip Biosensor Integrating Environmental Microorganisms and Human Cell Models for Airborne Pollutant and Microplastics Toxicity Screening</i>		
	No	Presenter	Title	No	Presenter	Title
1130-1145	1	Puan Sheau Ling	Optimization And Scale Up Production of Antimicrobial Compounds from <i>Bacillus Velezensis</i> Pd9	12	Nabilah Mohamad Khairi	Unravelling Microbial Taxonomy and Function Linked to Carbon Cycling in Malaysian Mangrove Sediments
1145-1200	2	Xie Yifan	Unraveling the Influence of Monomer Formation on Cold-Active Features in Proline Imino-peptidase from <i>Glaciozyma Antarctica</i>	13	Dr Chin Hong Soon	Phosphoproteomic Analysis Reveals Distinct Responses of <i>Mangrovibacter Phragmatis</i> Under High Salinity Conditions
1200-1215	3	Norul Wafiqah Mohamad Saffiruddin	Mechanistic Exploration of Antimicrobial Action of Hypochlorous Acid Using In Vitro And in Silico Approaches	14	Kokxin Fang	Coevolutionary Dynamics Between <i>Escherichia Coli</i> and Bacteriophage: Emergence of Phage Resistance and Associated Motility Loss
1215-1230	4	Siti Nurulhuda Mastuki	Multifactorial Antifungal Mechanisms of <i>Melastoma Malabathricum</i> (L.) Ethyl Acetate Leaves Fraction Against <i>Candida Albicans</i>	15	Nur Ain Syauqina Noor Azman	Bacteriophage And Effective Microorganisms (EM) Characterization and Compatibility for Potential Integrated Bioremediation of Contaminated Water
1230-1245	5	Maria Razzaq	Stabilization of RNA G-quadruplexes in the SARS-CoV-2 genome inhibits viral infection via translational suppression	16	Siew Zhen Yun	Tupaia Orthoreovirus: The First Successful Isolation of a Novel Mammalian Orthoreovirus from Treeshrews in Malaysia
1245-1300	6	Md Tahmeed Hossain	Characterization of newly isolated Sodalinema sp. for product development			
1245-1430	Lunch & Poster Session					
1430-1445	Plenary 1 - AP. Ts. Dr. Wan Abd Al-Qadr Imad Bin Wan Mohtar (Agriculture) <i>I Feed the Fish with Mushrooms for Sustainable Aquaculture</i>			Plenary 1 -Dr. Rafidah binti Lani (Medical) <i>The Microbiologist's Role in Building Health Resilience</i>		
1445-1500	Plenary 2 - AP. Dr. Dzarifah Binti Mohamed Zulperi (Agriculture) <i>Unveiling Plant Pathogens with Genomic Technologies to Advance Plant Disease Detection</i>			Plenary 2 -Dr. Norefrina Shafinaz Md. Nor (Medical) <i>Fighting Antimicrobial Resistance: Lessons Learned from Decoding Phage Resistance</i>		
1500-1515	7	Dhufr Mohammed Jassim	Isolation And Evaluation of Rice Growth-Promoting Bacteria Under Water Stress as A Sustainable Alternative to Chemical Fertilizers	17	Muhammad Nur Adam Hatta	The Silent Invaders: <i>Parvimonas Micra</i> and the Rise of Colorectal Cancer

1515-1530	8	Ye Bingbing	Comparative Gut Microbiome Analysis of Yaks: How Captive and Free-range Husbandry Shape Microbial and Functional Profiles	18	Zhang Bo Xuan	Quercetin-Menadione Combination as a Promising Strategy Against <i>Staphylococcus Aureus</i> Biofilm Infections
1530-1545	9	AP Dr Hamidun Bunawan	Novel Insights into Rice Tungro Disease: Developing Infectious Clones and Investigating Host Resistance Mechanisms	19	Hazmin Hazman	Occurrence of Carbapenem-Resistant <i>Klebsiella Pneumoniae</i> Clinical Isolates at Selected Major Tertiary Hospital in Malaysia
1545-1600	10	Higaya Arsyi	Analysis of F0 Values in Ensuring Food Safety Against <i>Clostridium Botulinum</i> Bacteria in Canned Vegetable Candle (<i>Saccharum Edule</i>) Products	20	Ramona Khanum	Biofilms: Going Back in Time
1600-1615	11	Winarsih Ransingin	F0 Value and <i>Clostridium Botulinum</i> Control in Canned Roa Chili Sauce	21	Winnie Teh	Characterisation of Indigenous Microbes from Palm Oil Mill Effluent (Pome) Ponding System with Potential Environmental Significance
1615-1630	Tea Break					
1630-1700	Closing Ceremony					

Poster presentation session details

Time: 1245-1330

Poster presentation: 5 minutes (3 minutes presentation + 2 minutes Q&A)

No	Presenter	Title	Category
1	Fatin Nurlina Binti Zulkafri	Exploring Seawater Microbial Diversity in Kuantan Coastal Waters Using Metagenomic Approach	Environmental Microbiology
2	Monisha A/P Rajamohan	Comparative Study of Fe (Iii) Reduction in Kaolin Using Individual and Consortium of Indigenous Bacillus Species	Environmental Microbiology
3	Miao Jing	Depth-Dependent Physicochemical and Nutrient Variation in Malaysian Mangrove Sediments: Implications for Microbial Carbon Cycling	Environmental Microbiology
4	Yogaletchumy Seevanathan	Identification of Trehalulose-Producing Microbes Associated with Stingless Bees	Industrial Microbiology
5	Nur Anisza Hanoum Naseron	Decoding RoLMCO1 from <i>Rhodococcus opacus</i> R7: In Silico Analysis of Microbial Enzyme Driving Sustainable Polyethylene Biodegradation	Environmental Microbiology
6	Jonathan Ling Gu Yang	Expanding the carboxylic acid reductase enzyme universe:sequence, structure and function	Environmental Microbiology
7	Mumamad Azhari Asmawi	Genomic Analysis of Multidrug-Resistant <i>Helicobacter Pylori</i> Isolated from Multi-Ethnic Population	Medical Microbiology
8	Wang Xue	Protein Interaction Studies of Proline Iminopeptidase with Different Types of Crosslinker in Enzyme Immobilization	Industrial Microbiology
9	Aiman Hakim Bin Aminurrasyid	Genotypic And Developmental Stage Effect on Microbe-Plant Interaction of Rice Cultivation Under Awd Irrigation	Agricultural Microbiology
10	Nur Najibah Yusra Binti Sulaiman	Skin Barrier Protective Potentials of Twelve Postbiotics Prepared from Locally-Derived Lactic Acid Bacteria	Medical Microbiology

11	Nurul Ain Binti Mohd Noor	Association Between Skin Dysbiosis and Atopic Dermatitis: A Systematic Review and Meta-Analysis	Medical Microbiology
12	Jackson Lim Hwa Keen	Feasibility of Using Spent Mushroom Substrate as an Alternative Substrate for Mushroom Cultivation	Agricultural Microbiology
13	Nur Nadia Nabilah Bt Mohd Basri	Antimicrobial Characterization of Lactococcus Lactis Subsp. Lactis Against Rice Bacterial Leaf Blight Pathogens Using In Vitro and In Vivo Assays	Agricultural Microbiology
14	Mohd Khairil Bin Jamahuri	Comparative Assessment of Organic Bio-Compost Amendments on Early Vegetative Growth and Microbial Influence in Durian (<i>Durio Zibethinus Murr.</i>)	Agricultural Microbiology
15	Noraznita Binti Sharifuddin	Molecular Characterization of Virulence Genes in Vibrio Spp. Isolated from Cultured Shrimp in Melaka, Malaysia	Agricultural Microbiology
16	Rana Adnan Mohsin	Relationship Between Multidrug Resistant <i>E. Coli</i> Isolates and the Presence of Colibactin Genes	Medical Microbiology
17	Syaida Anati Binti Abd Rashid	Structural And Proteomic Insights into the Antibiofilm Efficacy of Nalidixic Acid on <i>Corynebacterium Pseudotuberculosis</i> Biofilm	Medical Microbiology
18	Nur Azlina Binti Mohd Sharif	Development of CRISPR-dCas13a Ribonucleoprotein Complex-Based Biosensor for ERG11 RNA Transcript Biomarker Detection	Industrial Microbiology
19	Muhammad Naim Bin Nor Azmi	Prevalence, Serotype Associations, and Antibiotic Susceptibility of Non-Typhoidal Salmonella In Patients with Loose Stool at Hospital Sultanah Aminah Johor Bahru	Medical Microbiology
20	Mardhiah Binti Mohd Hatta	Antibacterial Activities of B4-3 Microalgae Extract from Uitm Cawangan Selangor (UCS) Pond	Medical Microbiology
21	Liow Chun Hung	Antimicrobial Potential of a Phage Endolysin Against <i>Klebsiella Pneumoniae</i>	Medical Microbiology
22	Mohd Nasharudin Razak	Metabolic Role of <i>adhE</i> Deletion in <i>Escherichia coli</i> O157:H7 to Bacterial Resistance	Medical Microbiology
23	Mazni Binti Abu Zarin	Antibacterial Activity of <i>Musa Acuminata X Balbisiana Colla Cv.</i> Pisang Awak Legor Pseudostem and Bagasse Methanolic Extracts Against Kidney Stone and Urinary Tract Pathogens	Medical Microbiology