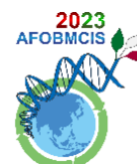




Time (Malaysia time)	Day 1: 18 th September 2023		
08.30 – 08.50	Participants join Zoom room & e-registration (ZOOM Lobby)		
08.50 – 09.00	MC announces the housekeeping rules		
09.00 – 10.00	Plenary Session 1 Plenary Speaker 1 Prof. Dr Sung Ok Han Korea University, South Korea Custom designer microbes for advanced production from waste resources to achieve carbon neutrality Chairperson Assoc. Prof. Dr Phang Lai Yee Universiti Putra Malaysia, Malaysia		
10.00 – 10.05	Participants and judges join Zoom Expo booths for Poster Session 1 & Evaluation		
	BOOTH 1	BOOTH 2	BOOTH 3
10.05 – 10.15	PS 1.1 Ms Nor Asyikin Binti Che Husain Malaysian Genome and Vaccine Institute (MGVI), Malaysia Structural Insight into Catalytic Mechanism of Novel 4-Hydroxyphenylacetate-3-Monooxygenase from Extreme Thermophilic <i>Geobacillus mahadji</i> Geo-05	PS 2.1 Mr Tan Chun Yun Melvin Universiti Terknologi Malaysia, Malaysia Distribution of genes related to bioactive compounds in <i>Hahella</i> sp.	PS 3.1 Dr Ong Chong Boon International University of Malaya-Wales, Malaysia Docking Characterization of Eight Catechins from Green Tea Against Nsp3 and Nsp9 Protein of SARS-CoV-2
10.15 – 10.25	PS 1.2 Mrs Nurshafika binti Abd Khalid Universiti Terknologi Malaysia, Malaysia Comparison of AGRODYKE® treatment on the growth of <i>Ganoderma boninense</i> and <i>Trichoderma</i> sp.	PS 2.2 Ms Siti Nur Aishah binti Hasnan Universiti Putra Malaysia, Malaysia Characterization of chitinolytic bacterial strains towards efficient and environmental-friendly bioconversion of shrimp shell wastes	PS 3.2 Dr Fazliana Abdul Hamid Malaysia Palm Oil Board, Malaysia A novel LIGNO-SNIPPER PRESS for the oil palm biomass (OPB) pellet production as an environmental solution for bioenergy
10.30 – 11.30	Opening Ceremony Chairperson Dr Mohd Azwan Jenol Universiti Putra Malaysia, Malaysia Prayer recitation Assoc Prof Dr Juferi Idris Universiti Teknologi MARA, Malaysia Welcoming Remarks Ts. Dr Wan Abd Al-Qadr Imad Wan Mohtar (Chairman of AFOBMCIS 2023) Prof Ts Dr Suraini Abd Aziz (President AFOBMC) Officiating Speech Prof Ir Dr Shaliza Ibrahim Deputy Vice-Chancellor (Research & Innovation) of Universiti Malaya Memorandum of Understanding (MoU) Signing Ceremony Asian Federation of Biotechnology-Malaysian Chapter (AFOBMC) and Thai Society for Biotechnology (TSB)		



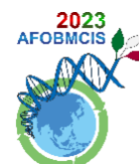
	Appreciating Speech Assoc Prof Dr Chuenchit Boonchird (President, Thai Society for Biotechnology) Photo Session	
11.30 – 11.35	Participants join Zoom Session for Parallel Session	
11.35 – 13.05	Technical Session 1 <i>Applied Microbiology, Marine Biotechnology & Bioindustry Promotion, Bioeducation and Bioeconomy</i> Chairperson Assoc Prof Dr Madihah Md Salleh Universiti Teknologi Malaysia, Malaysia	Technical Session 2 <i>Bioprocess and Bioseparation Engineering, Bioenergy and Biorefinery & Tissue Engineering and Biomaterials</i> Chairperson Assoc Prof Dr Sharifah Aminah Syed Mohamad Universiti Teknologi MARA, Malaysia
	Keynote Speaker 1.1 11.35 – 12.05 Professor Dr M Suffian M Annuar Universiti Malaya, Malaysia PHA Bioplastics: A Gateway to Sustainable Future Materials Driven by Applied Microbiology and Innovation Keynote Speaker 1.2 12.05 – 12.35 Professor Dr Chiaki Imada Tokyo University of Marine Science and Technology, Japan Isolation and Characterization of Useful Microorganisms from Marine Environment and General Approach to the Industrial Use Invited Speaker 1.1 12.35 – 13.05 AP. Dr Zetty Norhana Balia Yusof Universiti Putra Malaysia, Malaysia Development of Antigen-Producing Microalgae for Fish Oral Vaccination	Keynote Speaker 2.1 11.35 – 12.05 Dr Aydin Berenjian The University of Waikato, New Zealand Continuous Bioprocessing and Process Intensification: Advancements in Biotechnology Keynote Speaker 2.2 12.05 – 12.35 Assoc. Professor Dr Sehanat Prasongsuk Chulalongkorn University, Thailand Bioproducts from biomass and biomass-degrading fungi for biotechnological application Keynote Speaker 2.3 12.35 – 13.05 Professor Chang Yu-Kaung Ming Chi University of Technology, Taiwan Catalytic Hydration Reaction and Mineralization of Carbon Dioxide by Immobilized Carbonic Anhydrase
13.05 – 14.05	Lunch Break	
14.05 – 15.05	Plenary Session 2 Plenary Speaker 2 Prof Dr Ilija Djekic University of Belgrade, Serbia Life cycle assessment of food in the perspective of UN SDGs Chairperson Ts Dr. Wan Abd Al-Qadr Imad Wan Mohtar Universiti Malaya, Malaysia	
15.05 – 15.10	Participants join Zoom Session for Parallel Session	
15.10 – 17.00	Technical Session 1 <i>Applied Microbiology, Marine Biotechnology & Bioindustry Promotion, Bioeducation and Bioeconomy</i> Chairperson Assoc Prof Dr Khanom Simarani Universiti Malaya, Malaysia	Technical session 2 <i>Bioprocess and Bioseparation Engineering, Bioenergy and Biorefinery & Tissue Engineering and Biomaterials</i> Chairperson Assoc Prof Dr Dayang Salwani Awang Adeni Universiti Malaysia Sarawak, Malaysia



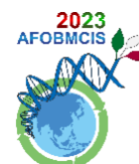
	<p>Keynote Speaker 1.3 15.10 – 15.30 Dr Chew Kit Wayne Nanyang Technological University, Singapore Microalgae biorefinery and the prospects of algae green cities</p> <p>Invited Speaker 1.2 15.30 – 15.50 Dr. Jenny Li I-Chen Biochemical Engineering Society of Taiwan (BEST), Taiwan The Use of Functional Microbial Ingredients in the Bioeconomy</p> <p>Invited Speaker 1.3 15.50 – 16.10 Dr Sarina Abdul Halim Lim Universiti Putra Malaysia, Malaysia Critical Roles of Digital Innovation, Lean Manufacturing, and Green Practices Towards Circular Bioeconomy</p> <p>Oral speaker 1.1 16.10 – 16.25 Assoc Prof Kesaven Bhubalan Universiti Malaysia Terengganu, Malaysia Exploiting marine bacteria for production of value-added biomaterials from renewable resources: an effort towards embracing circular economy</p> <p>Oral speaker 1.2 16.25 – 16.40 Chong Shin Yee Universiti Malaya, Malaysia Sensory Assessment for GABA-enriched Soy Sauce</p> <p>Oral speaker 1.3 16.40 – 16.55 Assoc. Prof. Dr. Sharifah Aminah Syed Mohamad Universiti Teknologi MARA, Malaysia Endophytic Bacteria from Nam-nam Plants with Antimicrobial and Plant Growth Promoting Characteristics</p>	<p>Invited Speaker2.1 15.10 – 15.30 AP Dr Zul Ilham Zulkiflee Lubes Universiti Malaya, Malaysia Biomass to Biofuel: The Role of Advanced Landless Biodiesel Feedstock for Zero Carbon Economy</p> <p>Invited Speaker 2.2 15.30 – 15.50 Dr. Chin-Soon Phan National University of Singapore, Singapore Natural Products – Biosynthesis</p> <p>Invited Speaker 2.3 15.50 – 16.10 Dr. Panaya Kotchaplai Thai Society of Biotechnology (TSB), Thailand Biovalorization of lignin: production of vanillin from ferulic acid via 4-vinylguaiaicol</p> <p>Invited Speaker 2.4 16.10 – 16.30 AP. Dr Nashrul Fazli Bin Mohd Nasir Universiti Malaysia Perlis, Malaysia Synthetic Bone Grafts in Malaysia: Current Issue and Regulations</p> <p>Oral speaker 2.1 16.30 – 16.45 Ts Dr Sharifah Sopliah Syed Abdullah Universiti Kuala Lumpur, Malaysia The Impact of Concentration and Storage Temperature on Glucose Content in Oil Palm Frond Juice</p> <p>Oral speaker 2.2 16.45 – 17.00 Nur Asyiqin Zahia Azizan Universiti Malaya, Malaysia The Development of Chicken Paty by Utilising Biomass Flour of Ganoderma-Liquid Cultivated Biomass</p>
17.00	End of Day 1	



Time (Malaysia time)	Day 2: 19 th September 2023	
08.45 – 09.00	Participants join Zoom Session for Parallel Session	
09.00 – 10.30	<p style="text-align: center;">Technical Session 3 <i>Agricultural and Food Technology, Environmental Biotechnology & Biocatalysis and Protein Engineering</i></p> <p style="text-align: center;">Chairperson Dr. Mohd Helmi Sani Universiti Teknologi Malaysia, Malaysia</p>	<p style="text-align: center;">Technical Session 4 <i>Biopharmaceutical and Medical Biotechnology, Systems and Synthetic Biotechnology & Nanobiotechnology, Biosensors and Biochips</i></p> <p style="text-align: center;">Chairperson Prof Madya Dr. Juferi Idris Universiti Teknologi MARA, Malaysia</p>
	<p style="text-align: center;">Keynote Speaker 3.1 09.00 – 09.30 Assoc. Prof. Dr Tashiro Yukihiko Kyushu University, Japan Complex microbial engineering of autothermal thermophilic aerobic digestion (ATAD) process for bioresource-recycling and sustainability</p> <p style="text-align: center;">Invited Speaker 3.1 09.30 – 09.50 Dr. Adisak Romsang Mahidol University, Bangkok, Thailand Thiol-based Stress Response Mechanisms in <i>Pseudomonas aeruginosa</i> and their applications</p> <p style="text-align: center;">Keynote Speaker 3.2 09.50 – 10.20 Prof Dr Nazimah Hamid University of Auckland, New Zealand Transforming Fruit Waste through Fermentation for Sustainable Food Production</p>	<p style="text-align: center;">Keynote Speaker 4.1 09.00 – 09.30 Prof Dr, Tengku Sifzizul Tengku Muhammad Universiti Malaysia Terengganu, Malaysia PCSK9 inhibitor from marine resources: Will it replace a blockbuster drug statin?</p> <p style="text-align: center;">Keynote Speaker 4.2 09.30 – 10.00 Prof Ts Dr Tengku Haziya Amin Tengku Abdul Hamid Universiti Islam Antarabangsa Malaysia, Malaysia Prospect of antagonising Vibrio disease in shrimp using quorum sensing proteins: In silico studies base on docking interaction.</p> <p style="text-align: center;">Keynote Speaker 4.3 10.00 – 10.30 Professor Dr. Sivakumar Manickam Universiti Teknologi Brunei, Brunei Cavitation for the Generation of Pharmaceutical Nanoemulsion</p>
10.30 – 10.35	Participants and judges join Zoom Expo booths for Poster Session 2 & Evaluation	
	BOOTH 1	BOOTH 2
10.35 – 10.45	<p style="text-align: center;">PS 1.3 Dr Nahrul Hayawin Zainal Malaysia Palm Oil Board, Malaysia Wastewater treatment by a continuous adsorption system using oil palm kernel shell activated carbon</p>	<p style="text-align: center;">PS 2.3 Mr Tan Jia Shern Universiti Kuala Lumpur, Malaysia Anti-candidal Activity of Nystatin Loaded Polyvinyl Alcohol Nanoparticles</p>
10.45 – 10.55	<p style="text-align: center;">PS 1.4 Ms Paveethra Shuraish Universiti Sains Malaysia, Malaysia Synthesis of Novel Carbon Dots from <i>Polyalthia longifolia</i> Leaf Extract and Their Anticancer Activity</p>	
10.55 – 11.00	Participants join Zoom Session for Parallel Session	
11.00 – 12.15	<p style="text-align: center;">Technical Session 3 <i>Agricultural and Food Technology, Environmental Biotechnology & Biocatalysis and Protein Engineering</i></p> <p style="text-align: center;">Chairperson Assoc Prof Dr Norhayati Ramli Universiti Putra Malaysia, Malaysia</p>	<p style="text-align: center;">Technical Session 4 <i>Biopharmaceutical and Medical Biotechnology, Systems and Synthetic Biotechnology & Nanobiotechnology, Biosensors and Biochips</i></p> <p style="text-align: center;">Chairperson Ts Dr. Zainatul 'Asyiqin Samsu Universiti Kuala Lumpur, Malaysia</p>
	<p style="text-align: center;">Invited Speaker 3.2 11.00 – 11.20 Dr. Khalid Sayed Universiti Kebangsaan Malaysia, Malaysia Bioremediation of pharmaceutical drugs from</p>	<p style="text-align: center;">Invited Speaker 4.1 11.00 – 11.20 Dr. Irene Lin Biochemical Engineering Society of Taiwan (BEST), Taiwan</p>



	<p>municipal wastewater using Malaysian <i>Ganoderma lucidum</i> fungal strain</p> <p>Invited Speaker 3.3 11.20 – 11.40 Dr. Faironiza Mohd Shariff Universiti Putra Malaysia, Malaysia Deciphering the Impact of Terminal Mutations on the Function and Stability of L2 Lipase</p> <p>Oral speaker 3.1 11.40 – 11.55 Dr Noor Liyana Yusof Universiti Putra Malaysia, Malaysia Effect of high-pressure processing on durian puree and the use of isothermal calorimetry for quality monitoring</p> <p>Oral speaker 3.2 11.55 – 12.10 Assoc Prof Dr Norhayati Ramli Universiti Putra Malaysia, Malaysia Phenol biotreatment using complex communities of bacteria from palm oil mill effluent</p> <p>Oral speaker 3.3 12.10 – 12.25 Dr. Chiraphan Khannapho National Center for Genetic Engineering and Biotechnology, Thailand Uncovering cultivation processes to enhance biomass production in <i>Spirulina</i> using transcriptome-guided flux balance analysis</p>	<p>From Farm to Pharma: Pineapple-Derived New Drug for Burns</p> <p>Invited Speaker 4.2 11.20 – 11.40 AP Dr. Siti Sarah Othman Universiti Putra Malaysia, Malaysia Bactofection of <i>Lactococcus lactis</i> m4 towards colorectal cancer cells</p> <p>Invited Speaker 4.3 11.40 – 12.00 Dr. Tong Woei Yenn Universiti Kuala Lumpur, Malaysia Development of Phomopsidione-loaded chitosan polyethylene glycol (PEG) nanocomposite dressing for pressure ulcers</p> <p>Invited Speaker 4.4 12.00 – 12.20 Dr. Ahmad Bazli Ramzi Universiti Kebangsaan Malaysia, Malaysia Microbial synthetic biology strategy for improving oil palm biomass bioconversion as low-carbon and renewable bio-feedstock</p> <p>Oral speaker 4.1 12.20 – 12.35 Grema Yerima, Universiti Malaya, Malaysia <i>Ganoderma lucidum</i> liquid grown biomass as functional feed additives in promoting aquaculture bioindustry.</p>
12.35 – 12.40	Participants and judges join Zoom Session for Parallel Session	
	<p>Young Researcher Session 1</p> <p>Chairperson Dr Munirah Tharek Malaysian Agricultural Research and Development Institute</p>	<p>Young Researcher Session 2</p> <p>Chairperson Ts Dr Nozieana Khairuddin Universiti Putra Malaysia</p>
12.40 – 12.55	<p>Speaker YR 1.1 Abdullah Fahim Arif Universiti Kuala Lumpur, Malaysia Biological treatment of wastewater containing of azo and anthraquinone dyes in a continuous downflow hanging sponge system</p>	<p>Speaker YR 2.1 Nurul Azyla Azmi Universiti Teknologi MARA, Malaysia Prevalence and Antimicrobial Susceptibility Profile of <i>Staphylococcus aureus</i> Isolated from Noodles Sold at Ramadan Bazaar</p>
12.55 – 13.10	<p>Speaker YR 1.2 Afnan Ahmadi Zahuri Universiti Malaya, Malaysia Bio-Physisorption treatment of Industrial Textile wastewater by utilising of <i>Ganoderma lucidum</i> and calcined dolomite</p>	<p>Speaker YR 2.2 Clarine Wan Ling Hong Universiti Teknologi Malaysia, Malaysia Characterization of <i>Zhouia</i> sp. isolated from mangrove soil and its xylan-degrading ability</p>
13.10 – 13.25	<p>Speaker YR 1.3 Asyraf Azmi Universiti Putra Malaysia, Malaysia Biotechnological approaches to develop resistant rice cultivars against bacterial panicle blight disease</p>	<p>Speaker YR 2.3 Mohd Edyazuan Azni Universiti Kuala Lumpur, Malaysia Pollutant removal and biomass production via cultivation of <i>Chlorella</i> species in anaerobically Palm Oil Mill Effluent</p>
13.25 – 13.40	<p>Speaker YR 1.4 Rathi Devi Nair ap Gunasegavan Universiti Putra Malaysia, Malaysia Potential of biogenically synthesized zinc oxide antidiabetic nano-formulations as promising paradigm for effective therapy</p>	<p>Speaker YR 2.4 Abdurrahman Abubakar Universiti Teknologi Malaysia, Malaysia Detoxification of palm oil frond juice for enhancement of biobutanol production by <i>Clostridium</i> sp.</p>
13.40 - 14.30	Lunch Break	



14.30 – 15.30	<p>Plenary Session 3</p> <p>Plenary Speaker 3 Professor Dr agr. Habil Gerold Rahman Thunen-Institute of Organic Farming, Germany Combining land-based and landless food production to secure global food security</p> <p>Chairperson Assoc Prof Ts Dr Mohamad Faizal Ibrahim Universiti Putra Malaysia, Malaysia</p>	
15.30 – 15.35	Participants and judges join Zoom Session for Parallel Session	
	<p>Young Researcher Session 3</p> <p>Chairperson Ts Dr Nahrul Hayawin Zainal Malaysian Palm Oil Board</p>	<p>Young Researcher Session 4</p> <p>Chairperson Assoc Prof Dr Che Azurahaman Che Abdullah Universiti Putra Malaysia</p>
15.35 – 15.50	<p>Speaker YR 1.5 Emmellie Laura Albert Universiti Putra Malaysia, Malaysia The Synergistic effect of Biogenic Reduced Graphene Oxide and Iron Oxide Unveils Breakthroughs in Biomedical application</p>	<p>Speaker YR 2.5 Mohamed Abdelmonem Abdelfattah Abdelsamea Universiti Putra Malaysia, Malaysia Innovative Applications of Green Iron Oxide Nanoparticles in Neurodegenerative Disease Diagnosis and Therapy: Early Outcomes</p>
15.50 – 16.05	<p>Speaker YR 1.6 Danial 'Aizat Norhisham Universiti Malaya, Malaysia Wonders of kenaf: Uncovering its extracts' bioactivities</p>	<p>Speaker YR 2.6 Farahayu Khairuddin Universiti Tun Hussein Onn, Malaysia Evaluation on Microalgae for Biochemicals and Bioelectricity Production emmil</p>
16.05 – 16.20	<p>Speaker YR 1.7 Daniel Grimm Thuenen Institute of Organic Farming, Germany Mushroom Cultivation as a Means of Nutrient Cycling and Food Security Enhancement: A Global and a Local Perspective</p>	<p>Speaker YR 2.7 Loh Meng Yi Universiti Putra Malaysia, Malaysia 1-MCP and geranium oil treatment on cold-induced oxidative stress and antioxidative activity of <i>Carica papaya</i></p>
16.20 – 16.35	<p>Speaker YR 1.8 Ilyia Syafiqah Mohd Razif Universiti Kebangsaan Malaysia, Malaysia Maximum inhibition concentrations of microalgae for the fapotentia removal of pharmaceuticals and personal care products</p>	<p>Speaker YR 2.8 Lim Teik Chee Universiti Malaya, Malaysia Revolutionizing Bio-oil Manufacturing: Harnessing Mushroom Biomass for the Green Deal Era</p>
16.35 – 16.50	<p>Speaker YR 1.9 Diwiyaa A/P A G Vayabari Universiti Malaya, Malaysia Saving Malaysian Horticulture Industry via Kenaf (<i>Hibiscus cannabinus L.</i>) Liquid Cultivation System</p>	<p>Speaker YR 2.9 Ashreen Norman Universiti Putra Malaysia, Malaysia Synthesis and characterisation of biogenic titanium dioxide facilitated by etlingera elatior for photocatalytic applications and toxicity evaluation</p>
16.50 – 17.05	<p>Speaker YR 1.10 Kuek Jin Universiti Teknologi Malaysia, Malaysia Fabrication of electrospun polyvinyl alcohol nanofibers containing green silver nanoparticles from banana peel extract</p>	
17.05 – 17.50	<p>Closing Ceremony</p> <p>Chairperson Dr Mohd Helmi Sani Universiti Teknologi Malaysia, Malaysia</p> <p>Closing remarks Ts. Dr. Wan Abd Al-Qadr Imad Wan Mohtar (Chairman of AFOBMCIS 2023)</p> <p>Young researcher and Poster awards presentation</p> <p>Photo Session</p>	