

PROGRAMME

4th DECEMBER 2017 - PRE-CONGRESS

TIME	AGENDA	
1600 – 1900	PRE-REGISTRATION / POSTER AND BOOTH SETUP	
DAY 1: 5 th DECEMBER 2017		
TIME	AGENDA	
0800 – 0900	REGISTRATION / POSTER SETUP	
0900 – 0930	OPENING CEREMONY – Grand Ballroom	
0930 – 0945	PHOTOGRAPHY SESSION	
0945 – 1030	COFFEE BREAK / POSTER VIEWING & JUDGING	
	Venue: Grand Ballroom <i>Chairperson: Assoc. Prof. Dr. Farah Diba Abu Bakar</i>	
1030 – 1115	KEYNOTE ADDRESS 1: By Microbiology Award Recipient 2017 Prof. Dr. Mohd Ali Hassan Integrated Green Biomass-Based Technologies for Future Sustainability <i>Universiti Putra Malaysia</i>	
1130 – 1230	42 nd MSM Annual General Meeting	
1230 – 1400	LUNCH	
	Venue: Melati Room	Venue: Grand Ballroom
	Symposium Session I: INDUSTRIAL MICROBIOLOGY <i>Chairperson:</i> <i>Dr. Lim Yin Sze</i>	Symposium Session II: ENVIRONMENTAL MICROBIOLOGY <i>Chairperson:</i> <i>Prof. Dr. Vikineswary Sabaratnam</i>
1430 – 1500	Plenary 1 – Assoc. Prof. Dr. Taicheng Zhu Improving the Robustness of Industrial Microbes through Metabolic Engineering <i>Institute of Microbiology, Chinese Academy of Sciences</i>	Plenary 3 – Assoc. Prof. Dr. Mike Manefield Microbiology as a Foundation for Ecosystem Engineering <i>School of Chemical Engineering, School of Civil and Environmental Engineering, University of New South</i>

		Wales
1500 – 1530	<p>Plenary 2 – Assoc. Prof. Dr. Rosfarizan Mohamad</p> <p>Process Improvement Strategies of Microbial Cultivations</p> <p><i>Universiti Putra Malaysia</i></p>	<p>Plenary 4 – Prof. Dr. Kenji Sakai</p> <p>Microbiological Research Towards Sustainable Palm Oil Industry Coexisting with Environmental and Biodiversity Conservation</p> <p><i>Kyushu University, Japan</i></p>
1530 – 1550	<p>IM01 Mr. Lee Fu Haw</p> <p>Biotransformation of Palm Kernel Cake by <i>Lactobacillus plantarum</i> Ri11 via Solid State Fermentation</p> <p><i>Universiti Putra Malaysia</i></p>	<p>EM01 Dr. Nur Hazlin Hazrin-Chong</p> <p>Coal as Substratum for Cell Attachment and Colonisation by <i>Pseudomonas fluorescens</i> Pf-5</p> <p><i>Universiti Kebangsaan Malaysia</i></p>
1550 – 1610	<p>IM02 Mr. Arief Izzairy Zamani</p> <p>Non-Targeted and Targeted Metabolite Profile of <i>Phialemonium curvatum</i> Aw02 Cultivated on Two Different Carbon Sources, Palm Oil Versus Glucose</p> <p><i>Universiti Kebangsaan Malaysia</i></p>	<p>EM02 Assoc. Prof. Dr. Geok Yuan Annie Tan</p> <p>Temporal Responses of Microbial Communities in Antarctic and Tropical Soils</p> <p><i>University of Malaya</i></p>
1610 – 1625	COFFEE BREAK	
1630 – 1650	<p>IM03 Dr. Mohd Asyraf Kassim</p> <p>Microalgal-Carbohydrate as a Biorefinery Feedstock for Biobased Chemical Production</p> <p><i>Universiti Sains Malaysia</i></p>	<p>EM03 Ms. Grace Lymie James</p> <p>Airborne Microorganisms of the 2013 Smoke and Haze Event in Petaling Jaya, Malaysia</p> <p><i>Universiti Kebangsaan Malaysia</i></p>
1700 – 1800	POSTER VIEWING & JUDGING	
1730 - 2200	PUTRAJAYA TOUR	
DAY 2: 6 th DECEMBER 2017		
	<p>Venue: Grand Ballroom Chairperson: <i>Prof. Dr. Thong Kwai Lin</i></p>	
0900 – 0945	<p>KEYNOTE ADDRESS 2: Prof. Dr. Stephen Baker</p>	

	The Collateral Damage of Antimicrobial Access in Asia <i>The Wellcome Trust Major Overseas Programme, Oxford University Clinical Research Unit (OUCRU), The Hospital for Tropical Diseases, Vietnam</i>	
0945 – 0955	ASM Promotional Slot	
1000 – 1020	COFFEE BREAK / POSTER VIEWING & JUDGING	
	Venue: Melati Room	Venue: Grand Ballroom
	Symposium Session III: AGRICULTURAL MICROBIOLOGY Chairperson: <i>Dr. Getha Krishnasamy</i>	Symposium Session IV: MEDICAL MICROBIOLOGY Chairperson: <i>Assoc. Prof. Dr. Jacinta Santhanam</i>
1030 – 1100	Plenary 5 – Dr. Boonhiang Promdonkoy Microbial Biocontrol Agents: Development & Application for Control of Insect Pest <i>BIOTEC Thailand</i>	Plenary 7 – Prof. Dr. Linfa Wong What Makes Bats a Reservoir of Emerging Viruses? <i>Duke-NUS Medical School, Singapore</i>
1100 – 1130	Plenary 6 – Dr. Idris Abu Seman <i>Ganoderma</i> Disease in Oil Palm: Research Findings, Adoption by the Oil Palm Plantations and Future Studies <i>Malaysia Palm Oil Board</i>	Plenary 8 – Prof. Dr. Shyamala Devi Sekaran Probable Factors Associated with Plasma Leakage in Severe Dengue Infections <i>MAHSA University</i>
1130 – 1150	AM01 Dr. Sharifah Noor Emilia Quorum Sensing Inhibitors Activities from Bacteria Associated with Sea Weed in Pulau Bidong <i>Universiti Malaysia Terengganu</i>	MMOI Ms. Siti Yatimah Mohamad Determination of Co- Trimoxazole Resistance Gene Transfer from Nontypeable <i>Haemophilus influenzae</i> to <i>Haemophilus influenzae</i> Type B <i>Universiti Teknologi MARA</i>
1150– 1210	AM02 Dr. Nadiya Akmal Baharum Transgenic ‘Berangan’ Banana Harbouring Pathogenesis- Related 10 (PR-10) Gene Showed Delayed Response to	MM02 Dr. Doris HX Quay Structural and Functional Studies of YuiC, an Analogous Protein of Actinobacteria RPFS in Firmicutes

	<i>Fusarium oxysporum</i> f. sp. <i>cubense</i> Infection <i>Universiti Putra Malaysia</i>	<i>Universiti Kebangsaan Malaysia</i>
1210 – 1230	AM03 Prof. Dr. Vikinesary Sabaratnam Rhizosphere Soils of Crop Plants Harbour Actinomycetes with Potential Plant Growth and Protection Activities <i>University of Malaya</i>	MM03 Assoc. Prof. Dr. Meng Ling Moi Development of an Efficient Assay for Dengue Virus (Denv) Detection and Isolation by Using Fcyr-Expressing Cells <i>Institute of Tropical Medicine, Nagasaki University</i>
1300 – 1415	LUNCH	
	Venue: Melati Room	Venue: Grand Ballroom
	Symposium Session V: GENERAL MICROBIOLOGY Chairperson: Assoc. Prof. Dr. Wan Zuhainis Saad	Symposium Session VI: MICROBIAL OMICS AND MOLECULAR BIOLOGY Chairperson: Assoc. Prof. Dr. Farah Diba Abu Bakar
1430 – 1500	Plenary 9 – Dr. Satinee Suetrong Thai Marine Fungal Bioresources: From Biodiversity to Utilisation and Community Outreach <i>BIOTEC Thailand</i>	Plenary 10 – Dr. Margit Winkler Discovery of New Enzymes by Homology and Beyond <i>acib GmbH, Institute of Molecular Biotechnology, Graz University of Technology, Austria</i>
1500 – 1520	GM01 Dr. Wan Abd Al Qadr Imad Wan-Mohtar Upstream and Downstream Processing of Bioactive Sulfated glucan from the Mycelium of <i>Ganoderma lucidum</i> <i>University of Malaya</i>	Plenary 11 – Assoc. Prof. Dr. Mohd Firdaus Raih <i>Burkholderia pseudomallei</i> ‘Omics’: Exploring the Biology of an Enigmatic Bacterium <i>Universiti Kebangsaan Malaysia</i>
1520 – 1540	GM02 Dr. Normi M. Yahaya Isolation and Characterisation of the Acidophilic Metal-Tolerant <i>Enterobacter cloacae</i> NZS with a Role in Iron Oxidation	(time taken by plenary 11)

	Universiti Putra Malaysia	
1540 – 1600	<div>GM03</div> <div>Dr. Getha Krishnasamy</div> <div><i>In vitro</i> Activity of a Novel Inhibitor of Methicillin-Resistant <i>Staphylococcus aureus</i> (MRSA) Strains Exhibiting Key Resistance Phenotypes</div> <div>Forest Research Institute Malaysia</div>	<div>MOMB01 (1530)</div> <div>Ms. Nardiah Rizwana Jaafar</div> <div>Unraveling the Structure of Carbonic Anhydrase from the Psychrophilic Yeast, <i>Glaciozyma antarctica</i> PI12</div> <div>Universiti Kebangsaan Malaysia</div>
1600 – 1620	<div>GM04</div> <div>Ms. Elaine Chin Jinfeng</div> <div>Bioprospecting and Carbon Utilisation of Endophytic Fungi Isolated from <i>Strobilanthes crispus</i>.</div> <div>Universiti Putra Malaysia</div>	<div>MOMB02 (1550)</div> <div>Ms. Nurhani Mat Razali</div> <div>A Genome Analysis: The Influence of Transposable Elements on Genome Plasticity, Host Range and Pathogenicity of Rice Phytopathogens</div> <div>Universiti Kebangsaan Malaysia</div>
1630 – 1700	TEA BREAK / POSTER VIEWING & JUDGING	
1930 – 2230	ANNUAL DINNER AND AWARD CEREMONY	
DAY 3: 7 th DECEMBER 2017		
	<div>Venue: Grand Ballroom</div> <div>Chairperson: Prof. Dr. Kalaivani Nadarajah</div>	
0900 – 0945	<div>KEYNOTE ADDRESS 3: Prof. Datuk Dr. Asma Ismail</div> <div>Research Trajectories Towards 2050</div> <div>Universiti Sains Malaysia / Academy of Sciences Malaysia</div>	
	Venue: Grand Ballroom	Venue: Melati Room
	<div>Session VII:</div> <div>FOOD MICROBIOLOGY AND AFOB SESSION</div> <div>Chairperson: Assoc. Prof. Dr. Rosfarizan Mohamad</div>	<div>Symposium Session VIII:</div> <div>GENERAL MICROBIOLOGY (2)</div> <div>Chairperson: Dr. Adelene Song Ai Lian</div>
0945 – 1015	<div>Plenary 12:</div> <div>Prof. Dr. Peter C.K. Cheung</div> <div>An <i>In vitro</i> Study of the Fermentation of Prebiotic Mushroom Beta-Glucan and its</div>	<div>GM05</div> <div>Assoc. Prof. Mohamed A. Al Abboud</div> <div>Safe Biosynthesis of Silver and Copper Nanoparticles and their</div>

	Effect on Human Gut Microbiota <i>The Chinese University of Hong Kong, Hong Kong</i>	Application for Fungal Plant Wilting Disease Treatment under Stress Condition of Jazan Region <i>University Jazan, Saudi Arabia</i>
1015 – 1030	COFFEE BREAK	
1030 – 1050	FM01 Prof. Dr. Thong Kwai Lin Evaluation of Aptasensors for Detection of <i>Salmonella enterica</i> <i>University of Malaya</i>	GM06 Ms. Nadzirah Damiri Identification of Putative cis-LINKED sRNA Mediated Responses to Nutrient Depletion in <i>Burkholderia pseudomallei</i> <i>Universiti Kebangsaan Malaysia</i>
1050 – 1110	FM02 Dr. Nor Zalina Othman Bioprocessing Strategies for Efficient Production of Probiotic Powder <i>Universiti Teknologi Malaysia</i>	GM07 Ms. Chin Lai Mun Changes in Soil Bacterial Diversity and Composition in an <i>In vitro</i> Simulated Temperature Rise Environment <i>Universiti Malaysia Sabah</i>
1110 – 1130	FM03 Dr. Belal J. Muhialdin <i>De novo</i> Novel Antifungal Peptides Produced by Malaysian Local Isolates of Lactic Acid Bacteria <i>Universiti Putra Malaysia</i>	GM08 Ms. Atchareeya Nakkarach Probiotic Characteristic of <i>Escherichia coli</i> Isolated from Fecal Sample of Thai Adults <i>Universiti Putra Malaysia</i>
1130 – 1150	FM04 Dr. Khalilah Abd Khalil Characterisation of Fermented Milky Mushrooms (<i>Calocybe indica</i>) Using Consortium of <i>Lactobacillus spp.</i> <i>Universiti Teknologi MARA</i>	GM09 Ms. Merisa B. Faiz Multiple Cytotoxicity Origin of Antimicrobial Nanosilver <i>University of Technology Sydney, Sydney</i>
1200 – 1230	AWARD PRESENTATION AND CLOSING CEREMONY Grand Ballroom	
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LIST OF POSTER PRESENTATIONS

DAY 1 – 5th December 2017

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AM02	Effects of Soybean Waste Supplementation on the Antioxidant Activities of Fermented Broken Rice <u>Dang Lelamurni Abd Razak</u> , Anisah Jamaluddin, Nur Yuhasliza Abd Rashid, Amsal Abd Ghani, Azlina Mansor and Musaalbakri Abdul Manan	45
AM03	Efficacy of <i>Streptomyces</i> Actinobacteria in Controlling Bacterial Leaf Streak of Rice <u>Erneeza Mohd Hata</u> , Kamaruzaman Sijam and Mohd Termizi Yusof	46
AM04	Laboratory Evaluation of Local Entomopathogenic Isolates Against Adult Fruit Flies, <i>Bactrocera dorsalis</i> (DIPTERA: TEPHTRITIDAE) <u>Farah Huda SS</u> , Nur Adliza B, Suhana Y, Siti Ilyani A and Mohd Hanifah Y	47
AM05	Preliminary Investigation on the Survival of <i>Ganoderma boninense</i> in Soil <u>Gunashila Periasamy</u> , Shamala Sundram, Wong Mui Yun, Ho Chai Ling and Ganesan Vadamalai	48
AM06	Exopolysaccharide (EPS) Extracted from <i>Chlorella</i> sp. as Adjuvant for <i>Mannheimia haemolytica</i> A2 Vaccine <u>Insyirah Husna Kamaradin</u> , Tomoyo Katayama and Mohd Effendy Abd. Wahid	49
AM07	Isolation and Characterisation of <i>Pseudomonas fluorescens</i> from Agricultural Soil <u>Jeffrey Lim Seng Heng</u> and Nur Samahah Binti Mohd Zainual	50
AM08	Assessment of Antioxidant Properties and Tyrosinase Inhibitory Effect of Scoby Fermented Mango (<i>Mangifera indica</i> L.) Leaves <u>Koh Soo Peng</u> , Norhazniza Aziz, Rosmawati Abdullah, Nur Syazwani Abdul Hamid and Abdul Kahar Sandrang	51
AM09	Potential Biological Control Fungi for <i>Fusarium oxysporum</i> f. sp. <i>cubense</i> <u>Mohd Nazif Saifuddin Abd Malik</u> , Wan Zuhainis Saad, Mohd Termizi Yusof and Norhani Abdullah	52

AM10	Quorum Sensing Degrading Probiotics Bacteria as Anti-Infective Agents for Diseases Control of Freshwater Fish <u>Noor Syazwani binti Omar</u> , Muhd Danish Daniel bin Abdullah, Natrah Fatin binti Mohd Ikhsan, Shumpei lehata and Sharifah Noor Emilia	53
AM11	Antifungal Effect of Three Wood Vinegars Against Plants Pathogenic Fungi <u>Nur Adliza Baharom</u> , Muhammad Hariz AR, Farah Huda SH and Muhammad Shahid H	54
AM12	Effectiveness of Soluble Silicon (Si) on <i>Fusarium</i> Species, Causal Organism of Fusarium Fruit Rot <u>Nur Azlin A</u> , Xiaolei J, Nurul Faziha I, Andrew A Ngadin and Siti Nordahliawate M. Sidique	55
AM13	Association of Silicon Levels in Relation to Disease Severity Index of <i>Ganoderma</i> Infection in Oil Palm Tissues <u>Nuranis I</u> , Idris AS, Zulkifli H, Norman K, Mohd Shukri I. and Hanafi MM	56
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AM15	Improvement of Potassium Solubilisation Activity by <i>Acinetobacter</i> sp. through Mutagenesis Using Gamma Irradiation <u>Phua Choo Kwai Hoe</u> , Halimi Mohd Saud and Khairuddin Abdul Rahim	58
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NOTE: Presenters on the 5th December should have their posters up before 0900 on the 5th December 2017. Please remove your posters by 1800 on the same day. For the presenters scheduled for 6th December 2017 you may put your posters up before 6th December 2017 0900hrs. Please prepare your posters in A1 (594 x 841 mm/ 23.4 x 33.1 in) format.

LIST OF POSTER PRESENTATIONS

DAY 2 – 6th December 2017

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FM10	Antimicrobial Characterisation and Biofilm Formation of <i>Escherichia coli</i> Isolated from Raw Vegetables in Kuala Terengganu <i>Wahida Salleh, Anis Athirah Bahr¹, Mohd Nizam Lani and <u>Wan Zawiah W. Abdullah</u></i>	94
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