



PROGRAMME

**34th Symposium of the Malaysian Society for
Microbiology 2018 (MSM2018)**

Microbial Revolution: Breaking Boundaries

**7-10 DECEMBER 2018
THE GURNEY RESORT HOTEL AND RESIDENCES
GEORGETOWN, PENANG**

PROGRAMME

7 th DECEMBER 2018 - PRE-CONGRESS	
TIME	AGENDA
1600 – 1900	PRE-REGISTRATION / POSTER AND BOOTH SETUP
DAY 1: 8 th DECEMBER 2018	
TIME	AGENDA
0800 – 0900	REGISTRATION / POSTER SETUP
0900 – 0930	OPENING CEREMONY – Ballroom
0930 – 0945	PHOTOGRAPHY SESSION
0945 – 1030	COFFEE BREAK / POSTER VIEWING & JUDGING
	Venue: Ballroom <i>Chairperson: Prof. Dr. Rosfarizan Mohamad</i>
1030 – 1115	KEYNOTE ADDRESS 1: Lactic Acid Bacteria: Ancient Microbes with A New Mission <i>Raha Abdul Rahim</i> <i>Universiti Putra Malaysia</i>
1130 – 1230	43 rd MSM Annual General Meeting
1230 – 1400	LUNCH
	Venue: Ballroom
	Venue: Function Hall 1
	Symposium Session I: AGRICULTURAL MICROBIOLOGY <i>Chairperson: Prof. Dr. Kalaivani Nadarajah</i>
	Symposium Session II: ENVIRONMENTAL MICROBIOLOGY <i>Chairperson: Dr. Adelene Song Ai Lian</i>
1430 – 1500	Plenary 1 – Plant viruses in Tropical Agriculture – Are we missing something? <i>Rofina Yasmin Othman</i> <i>University of Malaya</i>
	Plenary 2 – Microfungi for Metal and Dye Removal: Prospects, Mechanisms and Applications <i>Adeline Ting Su Yien</i> <i>Monash University</i>

1500 – 1520	<p>AM01 Regulation of Mating in an Oil Palm Pathogen <i>Ganoderma boninense</i></p> <p><i>Abdul Munir Abdul Murad</i></p> <p><i>Universiti Kebangsaan Malaysia</i></p>	<p>EM01 Biodegradation of Phenol by Free Cells of Locally Isolated Bacteria</p> <p><i>Abubakar Aisami</i></p> <p><i>Universiti Putra Malaysia</i></p>
1520 – 1540	<p>AM02 Analysis of <i>Erwinia mallotivora</i> Pathogenesis Related and Effector Genes in <i>Carica papaya</i> Seedlings via Transcriptomic Analysis</p> <p><i>Norliza Abu Bakar</i></p> <p><i>MARDI</i></p>	<p>EM02 Studies on the Production of Polyhydroxyalkanoate Containing 4-Hydroxybutyrate by <i>Azotobacter vinelandii</i></p> <p><i>Pei-Shze Mok</i></p> <p><i>Universiti Sains Malaysia</i></p>
1540 – 1600	<p>AM03 Microbial Antagonists to Mitigate Fungal Contamination in Mushroom Substrates</p> <p><i>Vikineswary Sabaratnam</i></p> <p><i>University of Malaya</i></p>	<p>EM03 Isolation and Characterisation of Arsenate Reducing Strain Sm-B1 from Arsenic Contaminated Soil in Gold Mine</p> <p><i>Munirah Ramli</i></p> <p><i>Universiti Teknologi Mara</i></p>
1600 – 1615	COFFEE BREAK / Poster Viewing and Judging	
1620 – 1640	<p>AM04 Comparative Genomics: Insights into the Pathogenicity and Lifestyle of <i>Rhizoctonia solani</i></p> <p><i>Nurhani Mat Razali</i></p> <p><i>Universiti Kebangsaan Malaysia</i></p>	<p>EM04 Isolation and Quantification of Mimivirus-Like and Marseillevirus-Like Viruses from Soil Samples in an Aboriginal Village in Peninsular Malaysia</p> <p><i>Kenny Voon</i></p> <p><i>International Medical University</i></p>
1640 - 1700	<p>EM05 Effects of Environmental Stress Factors on Basidiomycete Fungus <i>Schizophyllum commune</i> In Vitro</p> <p><i>Andrew Anak Ngadin</i></p> <p><i>Universiti Malaysia Terengganu</i></p>	

1700 – 1800	POSTER VIEWING & JUDGING	
DAY 2: 9th DECEMBER 2018		
	Venue: Ballroom <i>Chairperson: Prof. Dr. Latifah Zakaria</i>	
0900 – 0945	KEYNOTE ADDRESS 2: Dissecting Host-pathogen Interaction: Past, Present and Future <i>Sheila Nathan</i> <i>Universiti Kebangsaan Malaysia</i>	
0945 – 0955	ASM Promotional Slot	
1000 – 1020	COFFEE BREAK / POSTER VIEWING & JUDGING	
	Venue: Ballroom	Venue: Function Hall 1
	Symposium Session III: MEDICAL MICROBIOLOGY <i>Chairperson: Assoc. Prof. Dr. Jacinta Santhanam</i>	Symposium Session IV: GENERAL MICROBIOLOGY <i>Chairperson Prof. Dr. Vikineswary Sabaratnam</i>
1030 – 1100	Plenary 3– Salmonella agona as a Tumour Reduction Agent <i>Cheah Yoke Kqueen</i> <i>Universiti Putra Malaysia</i>	Plenary – 4 Oleaginous Microbes: The Underlying Mechanisms of Lipid Biosynthesis Regulation in Oleaginous Fungi <i>Aidil Abdul Hamid</i> <i>Universiti Kebangsaan Malaysia</i>
1100 – 1120	MM01 Persistent Newcastle Disease Virus Infection in Bladder Cancer Cells: A Transcriptome Analysis <i>Suet-Lin Chia</i> <i>Universiti Putra Malaysia</i>	GM01 Mining for Antimicrobial, Antioxidant and Phytochemicals of Endophytic Fungi from Leaves of Melastoma malabathricum <i>Ngieng Nguoi Sing</i> <i>Universiti Malaysia Sarawak</i>

1120 – 1140	<p>MM02 Antimicrobial Susceptibilities and Carriage of Carbapenemase Genes of Acinetobacters from Terengganu, Malaysia</p> <p><i>Farahiyah Mohd Rani</i></p> <p><i>Universiti Sultan Zainal Abidin</i></p>	<p>GM02 Antibacterial Effects of Graphene Oxide Against Planktonic and Biofilm Cells of <i>Escherichia coli</i> and <i>Staphylococcus aureus</i></p> <p><i>Thiruchelvi Pulingam</i></p> <p><i>University of Malaya</i></p>
1140 – 1200	<p>MM03 Distribution of Virulence and Antibiotic Susceptibility Profiles Among Group A <i>Streptococcus pyogenes</i> Clinical Isolates</p> <p><i>Azi Simon Onyema</i></p> <p><i>Universiti Putra Malaysia</i></p>	<p>GM03 Optimisation of Waste Cooking Oil Bioremediation by <i>Aspergillus</i> sp., An Oil-Utilising Fungus, Using A Two-Level Factorial Design</p> <p><i>Nurshafiqah Jasme</i></p> <p><i>Universiti Sains Malaysia</i></p>
1200 – 1220	<p>MM04 Investigating the effects of Laser Diode Exposure on MRSA Growth and Antibiotic Sensitivity</p> <p><i>Aemen Ali Kudayr Al-Shammary</i></p> <p><i>Universiti Sains Malaysia</i></p>	<p>GM04 Investigation of Microorganism's Type-I Polyketides Biosynthesis Genes from Sponges off Bidong Archipelago</p> <p><i>Jasnizat Saidin</i></p> <p><i>Universiti Malaysia Terengganu</i></p>
1230 – 1400	LUNCH	
	Venue: Function Hall 1	Venue: Ballroom
	<p>Symposium Session V: MSLAB/FOOD MICROBIOLOGY <i>Chairperson: Dr. Lim Yin Sze</i></p>	<p>Symposium Session VI: MICROBIAL OMICS AND MOLECULAR BIOLOGY <i>Assoc. Prof. Dr. Farah Diba Abu Bakar</i></p>
1430 – 1500	<p>Plenary 5- Dietary Approach Using Probiotic <i>Lactobacillus casei</i> Shirota for the prevention of aflatoxin exposure</p> <p><i>Mohd Redzwan Sabran</i></p> <p><i>Universiti Putra Malaysia</i></p>	<p>Plenary 6– PHA Synthase: A Personal 22-year-old Quest for the 3D Structure, and Its Origin</p> <p><i>Razip Samian</i></p> <p><i>Universiti Sains Malaysia</i></p>

1500 – 1520	<p>MSLAB01 Lactic Acid Bacteria and Gut Revival: It Is All About Balance</p> <p><i>Kalavathy Ramasamy</i> <i>Universiti Teknologi MARA</i></p>	<p>MOMB1 Identification of Putative Bacterial Virulence Factors Expressed with Yeast <i>Saccharomyces cerevisiae</i></p> <p><i>Eugene Boon Beng Ong</i> <i>Universiti Sains Malaysia</i></p>
1520 – 1540	<p>MSLAB02 Dual-Coating of Lactic Acid Bacteria as a Targeted Approach for Orally Administered Lower Intestinal Delivery of Peptide Antigens Against Kras Positive Neoplasms</p> <p><i>Lionel In Lian Aun</i> <i>UCSI University</i></p>	<p>MOMB2 Reconstructing of the Phenylpropanoid Pathway from <i>Polygonum minus</i></p> <p><i>Ku Nurul Aqmar Ku Bahaudin</i> <i>Universiti Kebangsaan Malaysia</i></p>
1540 – 1600	<p>MSLAB03 Antifungal Activity of <i>Lactobacillus plantarum</i> Strains Against Isolated <i>Aspergillus</i> spp. and <i>Fusarium</i> spp.</p> <p><i>Nurhazirah Shazali</i> <i>Universiti Putra Malaysia</i></p>	<p>MOMB3 Efficacy of Recombinant Vaccine Expressing OMPK and Whole Cell <i>Vibrio harveyi</i> Against Vibriosis in Seabass (<i>Lates calcarifer</i>)</p> <p><i>Santha Silvaraj</i> <i>Universiti Putra Malaysia</i></p>
1600 – 1620	<p>MSLAB04 Safety Evaluation of Potential Probiotic Strain, <i>Lactobacillus reuteri</i> S29 PFB in BALB/C Mice</p> <p><i>Hadiza Umar Meleh</i> <i>Universiti Putra Malaysia</i></p>	<p>MOMB4 Functional Characterisation of A $\Delta 9$- Fatty Acid Desaturase from a Cold-Tolerant <i>Pseudomonas</i> sp. AMS8</p> <p><i>Garba Lawal</i> <i>Gombe State University</i></p>
1630 – 1730	TEA BREAK / POSTER VIEWING & JUDGING	
1930 – 2230	ANNUAL DINNER	

DAY 3: 10 th DECEMBER 2018	
	<p>Venue: Ballroom Chairperson: Prof. Dr. Razip Samian</p>
0900 – 0945	<p>KEYNOTE ADDRESS 3</p> <p>The Prospect of Assembling Bacterial Nitrogen Fixation Genes in Plants: Lessons from the Gram Positive Bacteria</p> <p><i>Nazalan Najimuddin</i> <i>Universiti Sains Malaysia</i></p>
	<p>Venue: Function Hall 1 Venue: Ballroom</p>
	<p>Session VII: GENERAL MICROBIOLOGY (II) Chairperson: Dr. Eddie Chia Suet Lin</p>
	<p>Symposium Session VIII: INDUSTRIAL MICROBIOLOGY Chairperson: Dr. Shafinaz Sharir</p>
1000 – 1030	<p>GM05 (1000-1020) Probiotic Characterisation of <i>Lactobacillus</i> Strains Isolated from Kelulut Honey (Heterotrigna itama spp.)</p> <p><i>Amir Izzwan Zamri</i> <i>Universiti Malaysia Terengganu</i></p>
	<p>Plenary 7 Alkaliphilic <i>Bacillus lehensis</i> G1: from pH Adaptation to Enzymes Secretion and Engineering</p> <p><i>Rosli Md Illias</i> <i>Universiti Teknologi Malaysia</i></p>
1030 -- 1045	<p>COFFEE BREAK</p>
1045 – 1105	<p>GM06 (1035) Cloning and Purification of Thermostable Lipase from <i>Geobacillus thermodinitrificans</i> IBRL-Nar</p> <p><i>Alyaa Abdulhussein Kareem</i> <i>Universiti Sains Malaysia</i></p>
	<p>IM01 Extremophilic <i>Pseudomonas</i> as Synthetic Biology Chassis for Bioplastic Production</p> <p><i>Ahmad Bazli Ramzi</i> <i>Universiti Kebangsaan Malaysia</i></p>

<p>1105 – 1125</p>	<p>GM07 (1055) Bioprotective Potential of Ultraviolet Protective Compounds from Cyanobacteria</p> <p><i>Mehboob Ahmed</i> <i>University of Punjab</i></p>	<p>IM02 A Novel Bioflocculant Consisted of Dead Cells of Marine Filamentous Bacterium, <i>Aureispira</i> sp. CCB-QB1</p> <p><i>Go Furusawa</i> <i>Universiti Sains Malaysia</i></p>
<p>1125 – 1145</p>		<p>IM03 Fed-Batch Fermentation Process of <i>Pseudomonas aeruginosa</i> USM-AR2 for Rhamnolipid Production Through Pulse and Continuous Feeding Strategies</p> <p><i>Shahkillahtati Mohd Ridhwan</i> <i>Universiti Sains Malaysia</i></p>
<p>1205 – 1230</p>	<p>AWARD PRESENTATION AND CLOSING CEREMONY Ballroom</p>	
<p>1230 – 1330</p>	<p>LUNCH</p>	

GENERAL INFORMATION

LANGUAGE

The official language of MSM2018 is in English. Simultaneous translation is NOT available.

REGISTRATION DESK

Date	Service Hours	Location
7 th December 2018 (Friday)	1700-1900	Board Room 2 (Level 2)
8 th December 2018 (Saturday)	0800-1700	Foyer Ballroom (Level 3)
9 th December 2018 (Sunday)	0800-1700	Foyer Ballroom (Level 3)
10 th December 2018 (Monday)	0800-1200	Foyer Ballroom (Level 3)

*The Secretariat room is located at Board Room 2 (Level 2) and will operate from 0800-1700 daily throughout MSM2018 symposium (Except for 7th December 2018 where it will operate from 0800-1200). The oral presentations will be concurrent at the Ballroom (Level 3) and Function Hall 1 (Level 2).

Conference Name Tags

For recognition, all participants are required to wear their tags throughout the Symposium.

Presentation of Certificates

Certificates for MSM2018 attendance and presentations will be provided to each registered participant on the 10th December 2018. Please complete and submit the MSM2018 feedback form to the Secretariat room to receive your certificates.

Wi-Fi Service

Public Wi-Fi services are provided by the Hotel to all MSM2018 participants during the symposium period. Details regarding the Wi-Fi access will be provided by the Secretariat. Please note that internet speed may be limited during heavy usage times.

Speaker Preparation Room

All keynote, plenary and oral presenters should download a copy of their presentations onto the symposium laptops before their sessions, preferably during their registration. This can be done at the Secretariat room located at Board Room 2 (Level 2).

Poster Help Desk

Poster presenters can check their poster tagging at the Poster Help Desk, located at the Scientific Desk during registration. Posters are to be pinned up before 0830 and removed after each session at 1730.

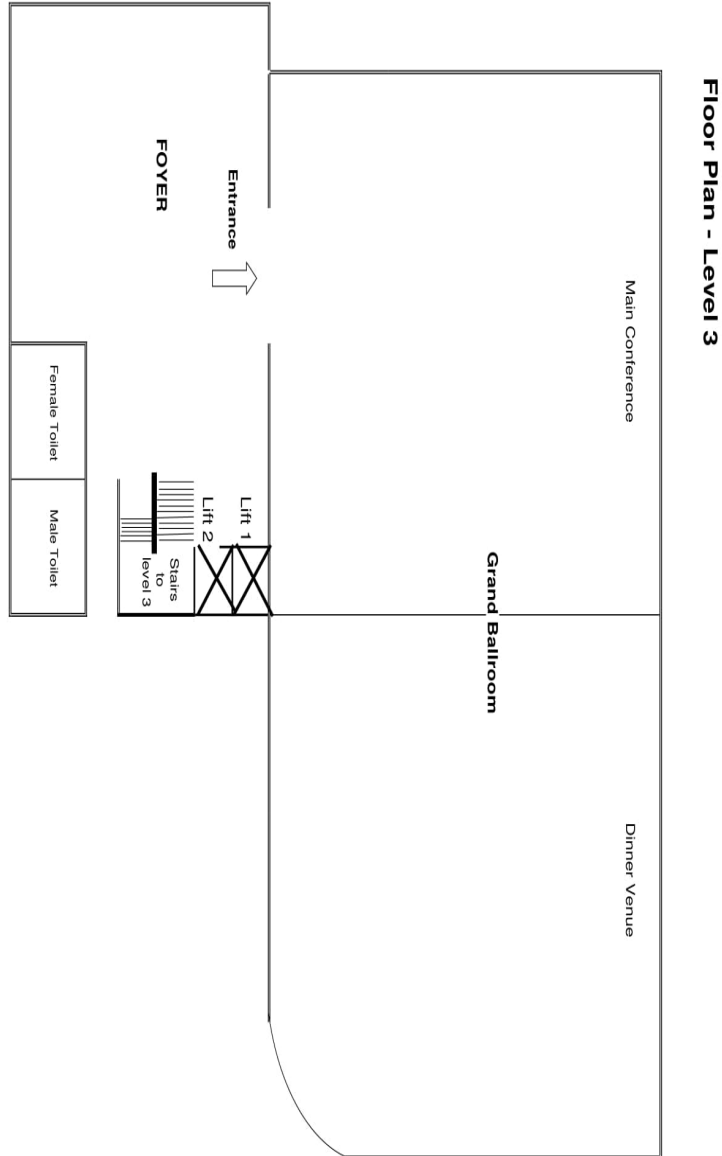
Lunch

Lunch will be served daily at **Hotel Coffee House**. MSM2018 participants will be required to present their meal vouchers at the entrance. Coupons can be obtained during registration, or from the Secretariat.

Symposium Dinner

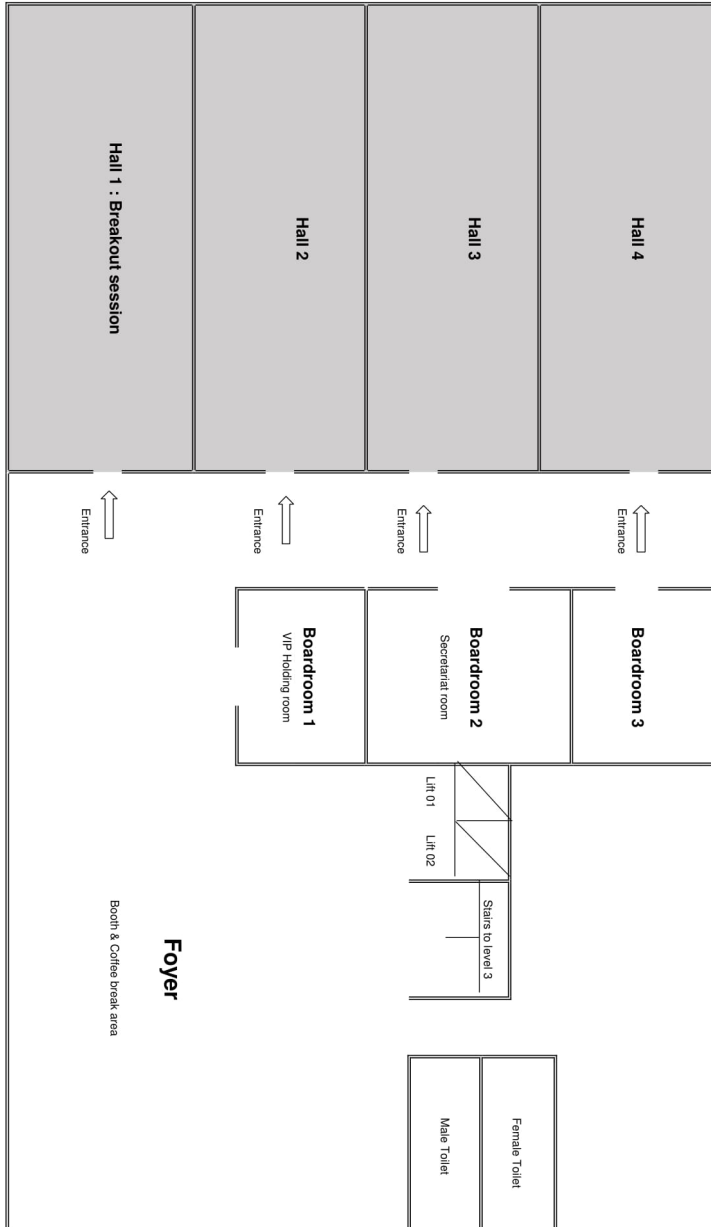
The MSM2018 Symposium Dinner will be organised on 9th December 2018 at the Hotel Ballroom (Level 3). This year's dinner theme is "*Bollywood Night*" so feel free to dress up for the occasion. All MSM2018 participants are requested to confirm their attendance for the symposium dinner during registration, or with the Secretariat at the Registration Desk before 1700 on 8th December 2018.

FLOOR PLAN AND LAYOUT Level 3



FLOOR PLAN AND LAYOUT Level 2

Floor Plan - Level 2



LIST OF EXHIBITORS

Booth No.	Exhibitor
1	YAKULT (MALAYSIA) SDN. BHD.
2 & 3	JENAWI SAINTIFIK SDN. BHD.
4	EPPENDORF ASIA PACIFIC SDN. BHD.

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