

## PROGRAMME SCHEDULE

**Emcee: Ms Ernie Eileen Rizlan Ross**

**Doa Recital: Mr Muhammad Fazrul Azim**

TIME	PROGRAMME
08:00 – 09:00	<b>Registration of Participants (on-line)</b>
09:00 – 09:30	<b>National Anthem</b> <b>Doa Recitation</b>
09:30 – 10:00	<b>Opening Remarks</b> Prof. Dr. Hjh. Farida Zuraina Md Yusof Dean, Faculty of Applied Sciences, Universiti Teknologi MARA, Shah Alam, Selangor.  <b>Welcoming Address</b> Prof. Dr. Hadariah Bahron Chairperson, Virtual Colloquium Series @ FSG 2020
	<b>KEYNOTE LECTURE</b>
10:00 – 11:00	Prof Dr Farshad H. Shirazi Pharmaceutical Sciences Research Center, Shahid Beheshti University of Medical Sciences, Tehran, Iran.  (Title: Corona Pandemic Experience and Lessons for the Human Being)
11:00 – 12:00	Dr Stephen Gilbert Compton Faculty of Biological Sciences, University of Leeds, United Kingdom.  (Title: The Unusual Biology of a Malaysian Epiphytic Fig Tree and Its Pollinator)
12:00 – 14:00	<b>LUNCH BREAK</b>
14.00 – 18.00	<b>PLENARY TALK AND PARALLEL SESSIONS</b>

## PARALLEL SESSION 1

### Virtual Room 1: Environmental Sciences & Biodiversity

PLENARY TALK		
<b>Moderator: Assoc Prof Dr Norrizah Jaafar Sidik</b>		
<p><b>Ms Kumari Geetha Muniandy</b>  <b>Star Feedmills (M) Sdn. Bhd.</b></p> <p><i>Molecular Diagnostic Approach Toward Sustainable Shrimp Farming Industry</i></p>		
<p><b>Virtual Room 1:</b>  <b>Environmental Sciences &amp; Biodiversity</b></p> <p><b>Track Chair:</b>  <b>Assoc Prof Dr Norrizah Jaafar Sidik</b></p> <p><b>Panels:</b>  <b>Dr Nur Nadiah Md Yusof</b>  <b>Dr Faezah Pardi</b></p> <p><b>PIC:</b>  <b>Dr Faezah Pardi</b></p>		
Time	Presenter	Paper Title
14.45 – 15.00	Saiyidah Raffhanah Basri (EBS16-Saiyidah)	Floristic Variation and Distribution of Tree Communities at Pulau Dayang Bunting Forest Reserve, Langkawi
15:00 – 15:15	Hasya Hannani binti Ruziman (EBS17-HananniRuziman)	Edaphic Influences on Tree Species Composition and Community Structure in a Secondary-Lowland Dipterocarp Forest of Kota Damansara Forest Reserve, Selangor
15:15 – 15:30	Nurul Zawani binti Zolkfilee (EBS19-NurulZawani)	Edaphic Influences on Tree Species Composition, Biomass Distribution and Community Structure at Bukit Lagong Forest Reserve, Selangor
15:30 – 15:45	Nur Nazifah Binti Mohamad (EBS20-Nazifah)	Physico-Chemical Water Analysis of Sg. Sinai and Sg. Simpang Endap, in Mambong, Serian, Sarawak
15:45 – 16:00	Syed Abdul Jabar (EBS21-Jabar)	Modification of Prey-Predator Model to reveal the relationship between small-clawed otter ( <i>Aonyx cinereus</i> ) visitation and diet composition in a rice field landscape
16:00 – 16:15	Nur Alya Nabilah binti Azis (EBS22-NurAlyaNabilah)	The Effects of Acute Gamma Irradiation on Morphology of <i>Vigna radiata</i>
16:15 – 16:30	Shamsiah Abdullah (EBS23-Shamsiah)	Morphological Changes in gamma irradiated <i>Capsicum annuum</i> L. var. Kulai
16:30 – 16:45	Siti Noor Hajjar Md Latip (EBS24-NoorHajjar)	Pesticidal effect of Cypermethrin, <i>Bacillus thurigiensis</i> and Flubendiamide on oil palm pollinator weevil, <i>Elaidobius karamenicus</i>
<b>CLOSING SESSION</b>		

## PARALLEL SESSION 1b

### Virtual Room 1b: Environmental Sciences & Biodiversity

PLENARY TALK [Virtual Room 1] Moderator: Assoc Prof Dr Norrizah Jaafar Sidik		
<p><b>Ms Kumari Geetha Muniandy</b> Star Feedmills (M) Sdn. Bhd.</p> <p><i>Molecular Diagnostic Approach Toward Sustainable Shrimp Farming Industry</i></p>		
<p><b>Virtual Room 1b:</b> <b>Environmental Sciences &amp; Biodiversity</b></p> <p><b>Track Chair:</b> <b>Dr Azani Saleh</b></p> <p><b>Panels:</b> <b>Dr Azani Saleh</b> <b>Assoc Prof Dr Asmida Ismail</b></p> <p><b>PIC:</b> <b>Assoc Prof Dr Asmida Ismail</b></p>		
Time	Presenter	Paper Title
14.45 – 15.00	Zainab Sholehah binti Abdul Rashid (EBS26-AbdulRashid)	Leaf Anatomy of the Medicinal Plant <i>Sphagneticola trilobata</i> (L.) Pruski
15:00 – 15:15	Nurul Syahirah Mansur (EBS27-NurulSyahirah)	Leaf anatomical study of three medicinal <i>Psychotria</i> species (Rubiaceae)
15:15 – 15:30	Roshani Othman (EBS28-Roshani)	Distribution and Phylogenetic Relationships of local Malaysian Snakehead Fish <i>Channa</i> sp. using Mitochondrial 16S rRNA Gene in Raja Musa Peat Swamp Forest
15:30 – 15:45	Ferdi Andeska (EBS29-Andeska)	Temporal availability of otters' prey in an asynchronous rice field landscape
15:45 – 16:00	Nur Shaadah Zainuddin (EBS30-Zainuddin)	<sup>238</sup> U, <sup>232</sup> Th and <sup>40</sup> K Concentration for Soil at Universiti Teknologi Mara Pahang Jengka
16:00 – 16:15	Marini Ibrahim (EBS31-MarinIbrahim)	Protein Hydrolysates Extracted from Fish Sources in Selangor
16:15 – 16:30	Che Nurul Aini Binti Che Amri (EBS32-CheAmri)	Leaf Anatomy and Micromorphology of <i>Rhinacanthus nasutus</i> (L.) Kurz (Snake Jasmine) From Peninsular Malaysia
16:30 – 16:45	Khairunnisa Binti Mohammad Hamdi (EBS33-MohdHamdi)	The Impact of Recreational Activity on Water Quality and Characterisation of Bacteria from Recreational River Water in Kuching, Malaysian Borneo
16:45 – 17:00	Noramira Nozmi (EBS34-Noramira)	Daily Activity Patterns of Three Female Orangutans ( <i>Pongo pygmaeus</i> ) in Captivity
<b>CLOSING SESSION</b>		

## PARALLEL SESSION 2

### Virtual Room 2: Microbiology & Biochemistry

PLENARY TALK [Moderator: Assoc Prof Dr Noor Hana Hussain]		
<p><b>Dr Mohd Azinuddin bin Ahmad Mokhtar</b>  <b>FGV R&amp;D Sdn Bhd</b></p> <p><i>Combating Basal Stem Rot Disease Using Molecular Tools</i></p>		
<p><b>Virtual Room 2:</b>  <b>Microbiology &amp; Biochemistry</b></p> <p><b>Track Chair:</b>  <b>Assoc Prof Dr Noor Hana Hussain</b></p> <p><b>Panels:</b>  <b>Dr Wan Razarinah Wan Abdul Razak</b>  <b>Dr Maslinda Musa</b></p> <p><b>PIC:</b>  <b>Dr Nurul Aili Zakaria</b></p>		
Time	Presenter	Paper Title
14.45 – 15.00	Siti Suhaila Harith (MB46-SitiSuhaila)	Isolation Bacteriophage of <i>Pseudomonas aeruginosa</i> and evaluation of their activity against onions
15:00 – 15:15	Jeganathan Tharshan Jeyakanesh (MB41-Jeyakanesh)	Structural Characterization of Cytotoxic Exopolysaccharides Produced by <i>Bifidobacterium pseudocatenulatum</i> ATCC 27919 Cultivated in Aloe Vera Medium
15:15 – 15:30	Toh Seng Chiew (MB42-Toh)	Preliminary antimicrobial effects of Jerangau Merah ( <i>Boesenbergia stenophylla</i> ) against pathogenic <i>Klebsiella pneumoniae</i> , <i>Vibrio cholerae</i> and <i>Shigella flexneri</i>
15:30 – 15:45	Nurul Ammar Illani binti Jaafar (MB43-Jaafar)	Diversity of Microorganisms in Stingless Bee Brood Cell
15:45 – 16:00	Kabiru Abubakar Musa (MB44-Musa)	Do Metal Ions Affect the Binding Behavior of Antimalarial Drugs to Human Serum Albumin: Fluorescence Spectroscopic Investigation
16:00 – 16:15	Olaide Olawunmi Ajibola (MB45-Ajibola)	Cell viability, Physicochemical and Sensory Characteristics of Probiotic Coconut juice During Cold Storage
16:15 – 16:30	Alya Nur Athirah Binti Kamaruzzaman (MB47-AlyaNurAthirah)	Inhibitory Action of Topical Antifungal Creams Against <i>Candida albicans</i> Biofilm
16:30 – 16:45	Masnita Fatihah Md Zahir (MB48-MdZahir)	Antimicrobial and Antifungal Activity of Chitosan Prepared from Cuttlebone Against Pathogens Causing Skin Infection

16:45 – 17:00	Nur Anisah Binti Johari (MB50-Nuranisah)	Efficiency of Commercial Disinfectants Against <i>Salmonella typhimurium</i> Biofilm
17:00 – 17:15	Puteri Nur Aliah Wan Faizal (MB51-WanFaizal)	Inhibition Properties of <i>Actinobacteria</i> Extracts Towards $\beta$ -lactamase
17:15 – 17:30	Nur Ilida Mohamad (MB84-NurIlida)	Antibacterial Activity and Organic Acid Formation by <i>Lactobacillus</i> sp. Originated from Pickled Guava and Papaya
17:30 – 17:45	Sylviana Sinawat (MB85-Sinawat)	Identification and Characterization of <i>Lactobacillus</i> spp. from Animal Milk as Potential Probiotic Bacteria
17:45 – 18:00	Nur Liyana Mohammad Mohaidin (MB40-Nurliyana)	Antibiofilm and Cytotoxicity Properties of Green Synthesized Iron Oxide Nanoparticles
<b>CLOSING SESSION</b>		

## PARALLEL SESSION 2b

### Virtual Room 2b: Microbiology & Biochemistry

<b>PLENARY TALK</b> <b>[Moderator: Assoc Prof Dr Noor Hana Hussain]</b> <b>Virtual Room 2</b>		
<b>Dr Mohd Azinuddin bin Ahmad Mokhtar</b> <b>FGV R&amp;D Sdn Bhd</b>  <b><i>Combating Basal Stem Rot Disease Using Molecular Tools</i></b>		
<b>Virtual Room 2b:</b> <b>Microbiology &amp; Biochemistry</b>  <b>Track Chair:</b> <b>Assoc Prof Dr Tg Elida Tg Zainal Mulok</b>  <b>Panels:</b> <b>Dr Aziyah Abdul Aziz</b> <b>Dr Wan Rozianoor Mohd Hassan</b>  <b>PIC:</b> <b>Dr Norashirene Mohamad Jamil</b>		
Time	Presenter	Paper Title
14.45 – 15.00	Noor Nadia Syahira Binti Mohd Kamal (MB52-Syahira)	Probiotic Properties of Lactic Acid Bacteria from Three Species of Stingless Bees in Malaysia
15:00 – 15:15	Maimunah Mustakim (MB53-Mustakim)	Isolation and Identification of Amylase Producing <i>Bacillus</i> sp. from Local House Waste Contaminated Soil
15:15 – 15:30	Norshahida Binti Mat Jaya (MB54-Norshahida)	Screening of Schiff Base Ligands Derived from Phenylenediamine And Its Metal Complexes as A Potential Efflux Pump Inhibitor Against <i>Klebsiella pneumoniae</i>
15:30 – 15:45	Nurhaida (MB55-Nurhaida)	Anti- <i>Staphylococcus aureus</i> Activity of Butanol Extract Isolated from Endophytic Fungus <i>Aspergillus flavus</i> IBRL-C8
15:45 – 16:00	Siti Fatimah binti Suboh (MB56-Siti Fatimah)	Antimicrobial Activity of <i>Strobilanthes crispus</i> Leaves Aqueous Extract Against Tested Human Pathogens
16:00 – 16:15	Nurul Iman Binti Mohamad (MB57-Mohamad2)	Surveillance of <i>Burkholderia</i> sp. in Bukit Merah Orang Utan Island (BMOUI), Perak
16:15 – 16:30	Nurul Asyiqin Binti Rihzam (MB58-NurulAsyiqin)	Comparative Evaluation of Antiseptic Wipes and Chlorohexidine Gluconate Bathing Solution against Bacteria Causing Nosocomial Infections

16:30 – 16:45	Rohana Mat Nor (MB59-RohanaMatNor)	Cellulolytic bacterial fermented Moringa leaf potential as a protein source in non-ruminant animal feed
16:45 – 17:00	Seri Amelie binti Mulyadi (MB60-SeriAmelie)	Bioremediation of Textile Wastewater Using <i>Pleurotus pulmonarius</i>
17:00 – 17:15	Syaida Anati Binti Abd Rashid (MB61-SyaidaAnati)	Inhibition of <i>Corynebacterium pseudotuberculosis</i> Biofilm by DNA Synthesis and Protein Synthesis Inhibitors
17:15 – 17:30	Siti Solihah Khaidir (MB83-Solihah)	Microwave-Assisted Synthesis, Characterization and Anticancer Activity of Tetranuclear Schiff Base Complexes
17:30 – 18:00	Nursuria Bt Md Setamam (MBB72-Nursuria)	Detection of Non-Polar Chemical Compositions of <i>In-vitro</i> Culture Products of <i>Pogostemon cablin</i> via GC/MS
<b>CLOSING SESSION</b>		

## PARALLEL SESSION 3

### Virtual Room 3: Biomedical & Health Sciences

<b>PLENARY TALK</b> <b>[Moderator: Assoc Prof Dr Zaidah Zainal Ariffin]</b>		
<p><b>Dr Norwahidah Abdul Karim</b>  <b>Universiti Kebangsaan Malaysia</b></p> <p><i>Oxidative Stress and Mitochondrial Dysregulation in Autism Spectrum Disorder</i></p>		
<p><b>Virtual Room 3:</b>  <b>Biomedical &amp; Health Sciences</b></p> <p><b>Track Chair:</b>  <b>Dr Khairul Adzfa Radzun</b></p> <p><b>Panels:</b>  <b>Dr Amaliawati Ahmad Latiffi</b>  <b>Dr Khairul Adzfa Radzun</b></p> <p><b>PIC:</b>  <b>Dr Lyena Watty Zuraine Ahmad</b></p>		
Time	Presenter	Paper Title
14.45 – 15.00	Mashani Mohamad (BHS04-Mohamad)	Liver Ultrastructural Changes in Rat Model of Insulin Resistance
15:00 – 15:15	Wan Alif Afiq Wan Nor Ruddin (BHS05-Wan)	Optimization of Plasma RNA Extraction for Nanostring nCounter miRNA Panel
15:15 – 15:30	Ahmad Tamim Ghafari (BHS06-Ghafari)	Phytochemical Screening and Quantification of Phenolic Content in <i>Vitex trifolia's</i> Leaves Hydro-alcoholic Extract
15:30 – 15:45	Muhammad Zulfiqah Bin Sadikan (BHS08-Zulfiqah)	Open Field Mirror Test as a Tool for the Assessment of Visual Impairment in Rats with Streptozotocin-Induced Diabetic Retinopathy
15:45 – 16:00	Raja Nur Firzanah Syaza Binti Raja Sharin (BHS09-Raja Sharin)	Development of an <i>In vitro</i> Caco-2 Intestinal Model to Study Lapatinib-Induced Changes in Gut Permeability
16:00 – 16:15	Khuriah Abdul Hamid (BHS10-Khuriah)	The Effects of Oil Components and Homogenisation Conditions on The Physical Characteristics and Stability of Oil-in-Water Emulsion Formulations
16:15 – 16:30	Mariyam Mala (BHS11-Mala)	Elicitation of Total Phenolics and Flavonoids in <i>Trigonella foenum-graecum</i> Using Yeast Extract Elicitor
16:30 – 16:45	Musliana Binti Mustaffa (BHS13-Mustaffa)	GuttaFlow Bioseal as Monocone Obturation Technique in Curved Root Canals. A Scanning Electron Microscopy Study



16:45 – 17:00	Helmizar H. (BHS82-Helmzar)	The Effect of Additional <i>Dadih</i> on Lactic Acid Bacteria and Nutritional Value of Pudding as a Food Supplementation for Pregnant Women
17:15 – 17:30	Rhanye Mac Guad (BHS15-Rhanye)	Association of Tumor Necrosis Factor- $\alpha$ (TNF- $\alpha$ ) Gene Polymorphism and Dengue in Sabah, East Malaysia Population
17:30 – 17:45	Suzana Yusof (BHS85-Suzana)	Knowledge, Attitude and Practice towards Tobacco Smoking Among Secondary School Students
17:30 – 17:45	Kazi Hasan Jamil (BHS86-Jamil)	Exploring Extraction and Purification of Tannic Acid from <i>Camellia Sinensis</i> (Tea Leaves) for Potential Haemostatic Application in Dental Surgery
<b>CLOSING SESSION</b>		

## PARALLEL SESSION 4

### Virtual Room 4: Molecular Biology & Bioinformatics

<b>PLENARY TALK</b> <b>[Moderator: Prof Dr Hj Mohd Faiz Foong Abdullah]</b>		
<b>Mr Mohd Noor Mat Isa</b> <b>Malaysia Genome Institute</b>  <i>The COVID-19 Pandemic: What the SARS-COV-2 Genome Reveals</i>		
<b>Virtual Room 3:</b> <b>Molecular Biology &amp; Bioinformatics</b>  <b>Track Chair:</b> <b>Prof Dr Hj Mohd Faiz Foong Abdullah</b>  <b>Panels:</b> <b>Dr Wan Nurhayati Wan Hanafi</b> <b>Dr Fakharul Zaman Raja Yahya</b>  <b>PIC:</b> <b>Dr Roziah Kambol</b>		
Time	Presenter	Paper Title
14.45 – 15.00	Hazwani Mohd Yusof (MBB68-Hazwani)	Extracellular Metabolites Profile of Different Stages Colorectal Cancer Cell Lines
15:00 – 15:15	Assoc Prof Ts Dr Asmah Awal (MBB69-Asmah)	Somatic Embryogenesis of <i>Hevea brasiliensis</i> Muell. Arg. RRIM 600
15:15 – 15:30	Muhamad Zai Mirza Bin Zaini (MBB70-Zaini)	Transcriptomic Analysis Reveals to The Role of Cell Division During Mango Fruit Development.
15:30 – 15:45	Nor Raihan Mohammad Shabani (MBB71-NorRaihan)	Identification of MHC Class II-Bound Peptides of <i>Shigella flexneri</i> 2a-Infected Macrophages for Immunopeptidomics
15:45 – 16:00	Nur Shukriyah Mohamad Hazir (MBB73-Shukriyah)	Mitochondrial Substrate Profiling of Polyethylene-Induced Osteoclasts Differentiation Supplemented With Tocotrienol-Rich Fraction.
16:00 – 16:15	Mohd Syahril Bin Mohd Zan (MBB74-MohdSyahril)	Isolation and Identification of Pathogenic Bacteria in Satay at Kuala Pilah, Negeri Sembilan by Using MPN-PCR.
16:15 – 16:30	Nawal Binti Zulkipli (MBB75-Nawal)	<i>In silico</i> Identification of Antigenic Proteins Expressed in <i>Staphylococcus aureus</i>
16:30 – 16:45	Nurul Najwa Ahmad Nasim (MBB76-NurulNajwa)	Assessment of FTA Card Method in Detecting EgSHP Gene of Oil Palm Leaves

16:45 – 17:00	Che Muhammad Khairul Hisyam Bin Ismail (MBB77-CheMuhammad)	Elucidating the Expression Profile and <i>In-Silico</i> Analysis of Iron-Binding Proteins of <i>S. flexneri</i> Clinical Isolates as Vaccine Construct
17:00 – 17:15	Amir Asyraf Bin Zainudin (MBB78-AmirAsyraf)	Population Structure Revealed by 16S rRNA of <i>Penaeus monodon</i> (Fabricius, 1798) Broodstocks in the Indo Pacific Region
17:15 – 17:30	Zainab Aliyu Muhammad (MBB79-Zainab)	Investigation on DNA Content of Oil Palm Leaves Tissues Stored onto FTA Card
<b>CLOSING SESSION</b>		