



TENTATIVE PROGRAMME

Day 1
18 September 2022

1500 – 1700
Registration

(Pelangi 1)

2000 – 2300
Welcome Reception

(Restaurant Kerisik, Laman Padi)

Day 2
19 September 2022

0800 – 0830
Registration

(Foyer)

0830 – 0930
Plenary Speaker 1 (Online)

Professor Neil J Rowan
Technological University of the Shannon Midlands Midwest, Ireland

Simplifying sustaining and disruptive innovation for meeting challenges and emerging opportunities in the biotech domain –
‘Making the magic’

Chairman
Assoc Prof Dr Mohamad Faizal Ibrahim
Universiti Putra Malaysia

(Pelangi Grand Ballroom)

0930 – 1000
Morning Tea Break and Poster Presentation

(Foyer)

1000 – 1100
Opening Ceremony

(Pelangi Grand Ballroom)



1100-1200

Plenary Speaker 2

Datuk Dr Ahmad Parveez bin Ghulam Kadir
Director General

Malaysian Palm Oil Board, Malaysia

Creating opportunities with innovations in oil palm biotechnology

Chairman

Dr Sharifah Sopliah Syed Abdullah
Universiti Kuala Lumpur, Malaysia

(Pelangi Grand Ballroom)

1200 – 1400

Lunch

(Spice Market Restaurant)

1400-1730

Afternoon Sessions

Technical Session 1

Agricultural and Food Biotechnology

Chairman

Assoc Prof Dr Norhayati Ramli
Universiti Putra Malaysia

(Pelangi Grand Ballroom)

Technical Session 2

*Applied Microbiology
 Marine Biotechnology
 Systems and Synthetic Biotechnology
 Tissue Engineering and Biomaterials*

Chairman

**Assoc Prof Dr Sharifah Aminah Syed
 Mohamad**
Universiti Teknologi MARA, Malaysia

(Cenang 4)

Technical Session 3

*Biocatalysis and Protein Engineering
 Biopharmaceutical and Medical
 Biotechnology
 Nanobiotechnology, Biosensors and
 Biochips*

Chairman

**Assoc Prof Dr Mohd Shukuri Mohamad
 Ali**
Universiti Putra Malaysia

(Cenang 5)

1400 – 1430

Keynote 1.1

**Assoc Prof Dr Suchada Chanprateep
 Napathorn**
Chulalongkorn University, Thailand
 A lignocellulosic biorefinery approach
 for sustainable production of
 polyhydroxybutyrate and preparation of
 biocomposites

1400 – 1430

Keynote 2.1

Prof Dr Anjum Nasim Sabri
**Institute of Microbiology and
 Molecular Genetics, University of the
 Punjab, Pakistan**
 Synthesis of selenium nanoparticles
 using different *Bacillus* species: Their
 bioactivity, cytotoxicity testing and
 effect on plant growth

1400 – 1430

Keynote 3.1

Prof Dr Show Pau Loke
**The University of Nottingham Malaysia
 Campus**
 Latest developments of biorefinery
 technology in the bioenergy industry

1430 – 1450

Invited 1.1

Assoc Prof Dr Suttipun Keawsompong
Kasetsart University, Thailand
 Mannanase and its application in
 prebiotic production

1430 – 1450

Invited 2.1

**Assoc Prof Dr Sharifah Aminah Syed
 Mohamad**
Universiti Teknologi MARA, Malaysia
 In vitro adhesion of *Salmonella
 typhimurium* and *Salmonella enteritidis*
 on intestinal enterocytes Caco-2 cells

1430 – 1450

Invited 3.1

**Assoc Prof Dr Mohd Shukuri Mohamad
 Ali**
Universiti Putra Malaysia
 Cold active lipase of Antarctic
Pseudomonas sp.: From fundamental to
 potential application



<p>1450 – 1510 Invited 1.2 (Online) Assoc Prof Dr Zetty Norhana Balia Yusof Universiti Putra Malaysia Algal-based antifungal and biostimulants: Green solutions in stress mitigation in oil palm industry</p>	<p>1450 – 1510 Invited 2.2 (Online) Assoc Prof Dr Siti Nurbaya Oslan Universiti Putra Malaysia A local yeast from spoilt orange as an alternative host for recombinant protein expression</p>	<p>1450 – 1510 Invited 3.2 Dr Julaina Abdul Jalil Institute for Medical Research, Malaysia Pharmacological chaperone therapy (PCT) in lysosomal storage disorders (LSDS): Breaking the barrier</p>
<p>1510 – 1525 Oral 1.1 (Online) Dr Nor Asma Ab-Razak Universiti Putra Malaysia The antioxidant and antibacterial activities of <i>Polygonum minus</i> extract using hydrodistillation</p>	<p>1510 – 1530 Invited 2.3 (Online) Dr Ahmad Abdel-Mawgoud Saleh Université Laval, Pavillon Charles-Eugène-Marchand, Canada Towards enabling synthetic biology-based discovery of new/novel rhamnolipids using genome mining</p>	<p>1510 – 1530 Invited 3.3 Dr Yuslina Mat Yusoff Institute for Medical Research, Malaysia Targeting leukaemia: From bench to bedside</p>
<p>1525 – 1540 Oral 1.2 Assoc Prof Dr Normah Haron International Islamic University Malaysia The effect of active fraction of the cashew shoots (<i>Anacardium occidentale</i>) in inhibiting α-amylase and α-glucosidase in vitro as a potential agent for type-2 diabetes mellitus</p>	<p>1530 – 1550 Invited 2.4 (Online) Assoc Prof Dr Tatsaporn Todhanakasem King Mongkut's Institute of Technology Ladkrabang, Thailand <i>Zymomonas mobilis</i> biofilm as a robust biocatalyst using lignocellulosic substrate</p>	<p>1530 – 1550 Invited 3.4 Dr Tong Woei Yenn Universiti Kuala Lumpur, Malaysia Application of nano-encapsulation technology for sustained delivery of bioactive compounds</p>
<p>1540 – 1555 Oral 1.3 Dr Tan Chung Keat UCSI University, Malaysia Fast food consumption and obesity: Observational evidence from Indonesia</p>	<p>1550 – 1610 Invited 2.5 Dr Ahmad Bazli Ramzi Universiti Kebangsaan Malaysia Designing microbial chassis for bioengineering and biomanufacturing applications</p>	<p>1550 – 1610 Invited 3.5 Dr Abdul Rasheed P Indian Institute of Technology Palakkad, India Niobium MXenes for electrochemical biosensing applications</p>
<p>1555 – 1610 Oral 1.4 Mr Mohd Al Akmarul Fizree MD Piji Malaysian Palm Oil Board, Malaysia In vitro leaf protoplasts as a robust transient gene expression system in oil palm</p>	<p>1610 – 1630 Invited 2.6 Assoc Prof Dr Che Azurhanim Che Abdullah Universiti Putra Malaysia Nanomaterial as emerging trend for dental applications: Opportunities and challenges</p>	<p>1610 – 1625 Oral 3.1 Dr Sivananthan Manoharan National Institutes of Health, Malaysia Tripeptide GVR reduced systolic blood pressure in strictly fasted spontaneously hypertensive rats</p>
<p>1610 – 1625 Oral 1.5 Dr MD Bazlul Mobin Siddique Swinburne University of Technology Sarawak, Malaysia Mechanical, structural, and barrier properties of starch-based biofilm reinforced with cellulose nanofibers</p>	<p>1630 – 1650 Invited 2.7 (Online) Prof Dr Purkan Purkan Airlangga University, Indonesia Development on the biodiesel production using lipase from locally bacterial strain: Genomic and proteomic approach</p>	<p>1625 – 1640 Oral 3.2 Dr Mohd Helmi Sani Universiti Teknologi Malaysia Three-dimensional (3D) microcarrier-based cultivation system for expansion of human fibroblast cell</p>



1625 – 1640

Oral 1.7 (Online)

Mr. Shahril Efzueni Rozali
International University of
Malaya-Wales, Malaysia

Utilization of LED illumination coupled with UV-C irradiation to improve the post-harvest quality of radish microgreens

1650 – 1710

Invited 2.8 (Online)

Assoc Prof Dr Shaza Eva Mohamad
Universiti Teknologi Malaysia
Microalgae as a promising alternative for biopolymer production

1640 – 1655

Oral 3.3 (Online)

Dr Ekram Alias
Universiti Kebangsaan Malaysia
Development and optimization of nano-hydroxyapatite encapsulating tocotrienol-rich fraction using response surface methodology

1640 – 1655

Oral 1.8

Ms Sharmanee Thiagarajah
UCSI University, Malaysia
Knowledge and perception of probiotics among Klang Valley resident

1710 – 1725

Oral 2.1

Dr Siti Halimah Hasmoni
Universiti Teknologi Malaysia
Biohydrogen production from *Rhodospseudomonas palustris* isolated from Sungai Kim Kim, Pasir Gudang

1655 – 1710

Oral 3.4 (Online)

Dr Noor Dina Muhd Noor
Universiti Putra Malaysia
Insights into structure of inactive Rand protease affected by mutations at the high affinity Ca²⁺ coordinating surface loop through molecular dynamic simulation

1655 – 1710

Oral 1.9

Prof Dr Anilkumar Gopinathan
Vellore Institute of Technology, Vellore, India
Whole genome sequencing of a field crab from Indian Peninsula: A first-time report

1710 – 1725

Oral 3.5

Dr Hanan Hasan
Universiti Putra Malaysia
CRISPR/cas9-mediated *ldh* gene knockout in fermented food-associated lactic acid bacteria

1630 – 1730

Afternoon Tea Break and Poster Presentation

(Foyer)

2000 – 2300

Gala Dinner

(Bougainvillea Hall)

Day 3
20 September 2022

0800 – 0830

Registration
(Foyer)

0830 – 0930

Plenary Speaker 3 (Online)

Professor Hyung Joon Cha
Pohang University of Science and Technology, South Korea
Biomolecules-based innovative functional materials for regenerative medicine and drug delivery

Chairman
Assoc Prof Dr Phang Lai Yee
Universiti Putra Malaysia

(Pelangi Grand Ballroom)



0930 – 1000

Morning Tea Break and Poster Presentation

(Foyer)

1000 – 1315

(Morning Sessions)

Technical Session 4 <i>Bioprocess and Bioseparation Engineering</i> <i>Bioenergy and Biorefinery</i>	Technical Session 5 <i>Environmental Biotechnology</i>	Technical Session 6 <i>Agricultural and Food Biotechnology</i> <i>Environmental Biotechnology</i> <i>Biocatalysis and Protein Engineering</i>	Young Researcher Session 1
<p>Chairman Dr Mohd Shamzi Mohamed Universiti Putra Malaysia</p>	<p>Chairman Dr Koh Soo Peng Malaysian Agricultural Research and Development Institute, Malaysia</p>	<p>Chairman Dr Leong Chean Ring Universiti Kuala Lumpur, Malaysia</p>	<p>Chairman Dr Julaina Abdul Jalil Institute for Medical Research, Malaysia</p>
<p>(Pelangi Grand Ballroom)</p>	<p>(Cenang 3)</p>	<p>(Cenang 4)</p>	<p>(Cenang 5)</p>
<p>1000 – 1030 Keynote 4.1 Assoc Prof Dr Chong Chun Shiong Universiti Teknologi Malaysia Solid state fermentation of empty fruit bunch to produce feed for black soldier fly larvae</p>	<p>1000 – 1030 Keynote 5.1 Prof Dr Robert Thomas Bachmann Universiti Kuala Lumpur, Malaysia Natural coagulants and the circular economy – A sustainable alternative or flight of fantasy?</p>	<p>1000 – 1030 Keynote 6.1 Prof Dr Muhammad Arshad Javed University of the Punjab, Lahore, Pakistan Greenhouse gases (GHGs) and mitigation strategies in agriculture</p>	<p>1000 – 1015 Speaker YR 1.1 (Online) Siti Syazwani Mahamad Universiti Putra Malaysia Recent progress of rhamnolipids production: Scale-up strategies and potential use in the agriculture industry</p>
<p>1030 – 1100 Keynote 4.2 Assoc Prof Dr Duangporn Premjet Naresuan University, Center of Excellence in Research for Agricultural Biotechnology, Thailand Large scale production of <i>Musa acuminata</i> 'kluai khai' using twin flask temporary immersion bioreactor</p>	<p>1030 – 1050 Invited 5.1 Prof Dr Sapto P Putro Center of Marine Ecology and Biomonitoring for Sustainable Aquaculture (Ce-MEBSA) Diponegoro University, Indonesia Development and application of biomonitoring-based software towards sustainable-productive mariculture: Emphasising the use of macrobenthic structure data</p>	<p>1030 – 1050 Invited 6.1 (Online) Prof Dr Shen-Long Tsai National Taiwan University of Science and Technology, Taiwan Biotransformation of 5-hydroxymethylfurfural to 2,5-furandicarboxylic acid by resting cells and a consortium</p>	<p>1015 – 1030 Speaker YR 1.2 (Online) Abdurrahman Abubakar Universiti Teknologi Malaysia Physicochemical analysis of oil palm frond based on ages for biobutanol production using <i>Clostridia</i> species</p>



<p>1100 – 1130 Keynote 4.3 (Online) Prof Dr Misri Gozan Universitas Indonesia, Indonesia Monoglyceride content and the precipitate formation in biodiesel-petrodiesel fuel blend (BXX)</p>	<p>1050 – 1110 Invited 5.2 Dr Khanom Simarani Universiti Malaya, Malaysia Effect of different bulking agent on physicochemical properties of kitchen waste compost</p>	<p>1050 – 1110 Invited 6.2 Dr Wichanee Bankeeree Chulalongkorn University, Thailand Production of β-glucan from <i>Aureobasidium thailandense</i> NRRL 58543 and its potential as a functional food additive in gummy jelly</p>	<p>1030 – 1045 Speaker YR 1.3 (Online) Shin Hyejeong Pohang University of Science and Technology, South Korea Indole-3-acetic acid production and physiological properties of alginate degrading bacteria <i>Vibrio</i> sp. dhg</p>
<p>1130 – 1150 Invited 4.1 Dr Mohd Shamzi Mohamed Universiti Putra Malaysia Microalgae selection and medium optimization to enhance CaCO_3 precipitation by <i>Chlorella vulgaris</i> and <i>Synechocystis</i> sp.</p>	<p>1110 – 1125 Oral 5.1 Dr. Mailin Misson Universiti Malaysia Sabah Cultivation of <i>Rhodotorula toruloides</i> in palm oil mill effluent: Effect on the growth, lipid production, and waste removal</p>	<p>1110 – 1125 Oral 6.1 Dr Leong Chean Ring Universiti Kuala Lumpur, Malaysia Chitosan-polyethylene glycol (PEG) nanocomposite incorporated with phomopsidione for the application as dressing for pressure ulcers</p>	<p>1045 – 1100 Speaker YR 1.4 (Online) Nur Amalia Binti Ra'oh Universiti Kebangsaan Malaysia Physicochemical properties of ovine collagen hydrogel as a corneal substitute</p>
<p>1150 – 1210 Invited 4.2 Prof Dr Yu-Shen Cheng National Yunlin University of Science and Technology, Taiwan Insect based biorefinery as an alternative platform towards circular bioeconomy and sustainable development</p>	<p>1125 – 1140 Oral 5.2 (Online) Assoc Prof Dr Mohd Zulkhairi Mohd Yusoff Universiti Putra Malaysia Adsorptive removal of heavy metal polluted wastewater using biochar-derived bio-adsorbent from oil palm biomass</p>	<p>1125 – 1140 Oral 6.2 Assoc Prof Dr Anand Gaurav UCSI University, Malaysia Pharmacophore based virtual screening of natural product-based PDE3/4 dual inhibitors</p>	<p>1100 – 1115 Speaker YR 1.5 Nurshafika Abd Khalid Universiti Teknologi Malaysia In vitro effect of Agrodyke® on growth of <i>Ganoderma boninense</i></p>
<p>1210 – 1230 Invited 4.3 Assoc Prof Dr Siripong Premejt Naresuan University, Thailand Enhancing glucose recovery from <i>Hibiscus cannabinus</i> L. by phosphoric acid pretreatment</p>	<p>1140 – 1155 Oral 5.3 Assoc Prof Dr Norhayati Ramli Universiti Putra Malaysia Palm oil mill effluent pollution biomonitoring using bacterial indicators and biomarker gene</p>	<p>1140 – 1155 Oral 6.3 Dr Huszalina Hussin Universiti Teknologi Malaysia Production of food waste compost and its effect on the growth <i>Cucumis sativus</i></p>	<p>1115 – 1130 Speaker YR 1.6 (Online) Izzati Sabri Universiti Putra Malaysia Microbiome of phenol-degrading bacteria from palm oil mill effluent</p>
<p>1230 – 1245 Oral 4.1 Siti Fatimah Zaharah M Fuzi Universiti Tun Hussein Onn, Malaysia Development of a single step bioconversion of lignocellulosic material into sugar by immobilized recombinant yeast, <i>Kluyveromyces lactis</i></p>	<p>1155 – 1210 Oral 5.4 Prof Dr Shahida Hasnain Institute of Microbiology and Molecular Genetics, University of the Punjab, Pakistan <i>Pseudomans aeruginosa</i> combating drought stress for growth of <i>Vigna radiata</i></p>	<p>1155 – 1210 Oral 6.4 Dr Salma Mohamad Yusop Universiti Kebangsaan Malaysia Influence of varying levels of palm oil and transglutaminase on the properties of palm-based emulsified fats</p>	<p>1130 – 1145 Speaker YR 1.7 (Online) Siti Suhailah Sharuddin Universiti Putra Malaysia Shift of bacterial functional profile in river water influenced by Palm oil mill effluent (POME) final discharge</p>



<p><u>1245 – 1300</u> Oral 4.2 Dr Sharifah Sopliah Syed Abdullah Universiti Kuala Lumpur, Malaysia Bacterial cellulose from oil palm frond juice and its conversion to nanofibrillated cellulose</p>	<p><u>1210 – 1225</u> Oral 5.5 Dr Nahrul Hayawin Zainal Malaysian Palm Oil Board, Malaysia Pollutants removal from palm oil mill effluent (POME) final discharge</p>	<p><u>1210 – 1225</u> Oral 6.5 (Online) Ms Hartinie Marbawi Universiti Malaysia Sabah Adsorptive removal of glyphosate from river water matrices by coconut shell-based granular activated carbon</p>	<p><u>1145 – 1200</u> Speaker YR 1.8 Pratheep Sandrasaigaran Universiti Putra Malaysia Prevalence of antibiotics resistant <i>Salmonella</i> serotype <i>Enteritidis</i> and <i>Typhimurium</i> isolated from filthy flies at wet market</p>
	<p><u>1225-1240</u> Oral 5.6 Stasha Eleanor Rosland Abel Malaysian Palm Oil Board, Malaysia Cellulose recovery and characterisation from oil palm biomass</p>	<p><u>1225 – 1240</u> Oral 6.6 (Online) Dr Rozaimi Abu Samah Universiti Malaysia Pahang Modelling for CO₂/CH₄ separation using pineapple peel waste-Pebax 1657 nanocomposite membrane by artificial neural network (ANN)</p>	<p><u>1200 – 1215</u> Speaker YR 1.9 Nurul Aida Qarina Universiti Malaysia Sarawak Uncovering the nutraceutical potentials of fermented sago “<i>lemantak</i>” by endophytic fungi</p>
	<p><u>1240 – 1255</u> Oral 5.7 Dr Mohamad Azri Sukiran Malaysian Palm Oil Board, Malaysia Effect of combined pre-treatments on the fuel properties of empty fruit bunches</p>	<p><u>1240 – 1255</u> Oral 6.7 (Online) Dr Siti Hartini Hamdan Universiti Kuala Lumpur, Malaysia Comparative study of extraction techniques on anthocyanin derived butterfly pea using conventional and ultrasound-assisted</p>	<p><u>1215 – 1230</u> Speaker YR 1.10 Farahayu Khairuddin Universiti Tun Hussein Onn, Malaysia Evaluation on microalgae biorefinery performance for bioproduction of high value products</p>
	<p><u>1255 - 1310</u> Oral 5.8 (Online) Assoc Prof Dr Wilson Thau Lym Yong Universiti Malaysia Sabah Toward pilot-scale cultivation of marine <i>Isochrysis galbana</i> for biofuel production</p>		<p><u>1230 – 1245</u> Speaker YR 1.11 Nurul Nor Izzuani Nor Sham Universiti Teknologi MARA, Malaysia Optimization of pre-gelatinization conditions of unripe banana starch (<i>Musa balbisiana</i> var.) by using response surface methodology (RSM)</p>
<p style="text-align: center;"><u>1200-1400</u> AFOB-MC Annual Grand Meeting (Dewan Cenang)</p>			
<p style="text-align: center;"><u>1230 – 1430</u> Lunch and Poster Presentation (Spice Market Restaurant)</p>			



1430 – 1615

Afternoon Sessions

Young Researcher Session 2	Young Researcher Session 3	Young Researcher Session 4	Young Researcher Session 5
Chairman Dr Khanom Simarani Universiti Malaya, Malaysia	Chairman Dr Nozieana Khairuddin Universiti Putra Malaysia	Chairman Assoc Prof Dr Dayang Salwani Awang Adeni Universiti Malaysia Sarawak, Malaysia	Chairman Dr Nahrul Hayawin Zainal Malaysian Palm Oil Board, Malaysia
(Pelangi Grand Ballroom)	(Cenang 3)	(Cenang 4)	(Cenang 5)
<u>1430 – 1445</u> Speaker YR 2.1 Chu Pei Hsia Universiti Putra Malaysia Valorisation of pineapple (<i>Ananas comosus</i>) plant stem for amino acids production	<u>1430 – 1445</u> Speaker YR 3.1 Muhammad Ramziuddin Zakaria Universiti Teknologi Malaysia Exploring the hemicellulolytic potential of <i>Halobacillus</i> from the genomic aspect	<u>1430 – 1445</u> Speaker YR 4.1 Siti Nor Sakinah Saudi Universiti Putra Malaysia Elucidating the effectiveness of <i>Citrus aurantifolia</i> fruit peel (CAFP)-synthesized AgNPs encapsulated with polyethylene glycol (PEG) against <i>Aedes aegypti</i>	<u>1430 – 1445</u> Speaker YR 5.1 Nishita Lal VIT University, Vellore, TN, India Whole genome sequencing of a field crab from Indian Peninsula: A first time report
<u>1445 – 1500</u> Speaker YR 2.2 (Online) Yusur Ramzi Hasan Al-Rubaye Universiti Putra Malaysia Synthesis and characterization of iron oxide nanozyme, and evaluation of its efficiency to biomedical applications	<u>1445 – 1500</u> Speaker YR 3.2 (Online) Nur Intan Hasbullah Universiti Teknologi MARA, Malaysia Optimization of Caco-2 cell seeding density for in vitro adhesion and invasion study	<u>1445 – 1500</u> Speaker YR 4.2 (Online) Muhammad Aminuddin Mohd Shafie Universiti Putra Malaysia Oxidative stress status of curcuminoid analogue, BHMC on human liver cancer, HepG2 cells	<u>1445 – 1500</u> Speaker YR 5.2 Khairun Najibah Mohd Said Universiti Malaysia Sarawak Production and characterisation of laccase from fungi by using leaf litter as substrate
<u>1500 – 1515</u> Speaker YR 2.3 Sarah Fathiyah Mubarak Universiti Putra Malaysia The removal of pollutants and colour from palm oil mill effluent (POME) final discharge by using oil palm kernel shell-activated carbon	<u>1500 – 1515</u> Speaker YR 3.3 (Online) Kausalyaa Sarawanan Manipal International University, Malaysia Preparation and characterization of chitosan/AgNPs nanocomposite films as active food packaging	<u>1500 – 1515</u> Speaker YR 4.3 Shabana N Indian Institute of Technology, Palakkad, India A flexible and sensitive electrochemical sensing platform based on dimethyl sulfoxide modified carbon cloth: Towards the detection of neurotransmitter and adrenoceptor drug	<u>1500 – 1515</u> Speaker YR 5.3 Julia Yunus Universiti Teknologi Malaysia Effects of recombinant serine protease from <i>Bacillus pumilus</i> on bacterial biofilms



<p>1515 – 1530 Speaker YR 2.4 (Online) Fhaisol Mat Amin Universiti Putra Malaysia Carcass and meat quality of the swamp buffalo raised under proper and non-proper herd health program</p>	<p>1515 – 1530 Speaker YR 3.4 (Online) Emmellie Laura Albert Universiti Putra Malaysia The cytotoxicity effect of various nanoparticles towards <i>Artemia salina</i> cyst</p>	<p>1515 – 1530 Speaker YR 4.4 Ankitha Menon Indian Institute of Technology, India Ultrasensitive and selective electrochemical detection of dopamine by Nb₄C₃T_x-MoS₂ 2D-2D hetero structures</p>	<p>1515 – 1530 Speaker YR 5.4 Nur Sri Dewi Md Hisham Universiti Teknologi Malaysia A preliminary convolutional neural network model for locally isolated microalgae identification</p>
<p>1530 – 1545 Speaker YR 2.5 Dr. Kok Jun Liew Universiti Teknologi Malaysia Transcriptomics studies on cold plasma treated microorganisms</p>	<p>1530 – 1545 Speaker YR 3.5 (Online) Nang Nwet Noon Kham Chiang Mai University, Thailand Thermotolerant yeasts isolated from Laphet-so and their potential properties</p>	<p>1530 – 1545 Speaker YR 4.5 (Online) Muhammad Na'im Samsudin International Islamic University Malaysia Rheological assessment on sodium alginate beads under different pH environments</p>	<p>1530 – 1545 Speaker YR 5.5 Cheong Wei Yi Universiti Teknologi Malaysia Silver nanoparticles synthesis using banana peels extract and it's in silico evaluation for <i>Escherichia coli</i> antibacterial activity</p>
<p>1545 – 1600 Speaker YR 2.6 Nuraisyah Shafinash Kalana Universiti Malaysia Sarawak Isolation and characterization of endophytic fungi from <i>Alpinia galanga</i> rhizome</p>	<p>1545 – 1600 Speaker YR 3.6 Siti Rokhiyah Ahmad Usulidin National Institutes of Biotechnology, Malaysia Safety evaluation of 1,3-β-D-glucan from <i>Lignosus rhinocerus</i> bioreactor-mycelium for innovative anti-asthmatic drug</p>	<p>1545 – 1600 Speaker YR 4.6 (Online) Dharshini Parmal @ Perumal Universiti Putra Malaysia Green synthesis of reduced graphene oxide using <i>Clinacanthus nutans</i></p>	<p>1545 – 1600 Speaker YR 5.6 (Online) Carine Lim Shu Shien UCSI University, Malaysia Cellulose from <i>Leucaena leucocephala</i> as bioplastic composite for the creation of active food packaging material</p>
<p>1600 – 1615 Speaker YR 2.7 (Online) Noorazlina Adnan Universiti Teknologi MARA, Malaysia Chemical constituents from the stem bark of <i>Anisoptera laevis</i> (Dipterocarpaceae)</p>			
<p>1600 – 1630 Afternoon Tea Break (Foyer)</p>			
<p>1630 – 1730 Closing and Awards Reception Ceremony (Pelangi Grand Ballroom)</p>			
<p>Day 4 21 September 2022</p>			
<p>0800-1700 Technical and Cultural Visit</p>			



Poster Sessions

Session 1	19 September 2022
P 1.1	Nor Rizan Binti Kamaluddin Institute for Medical Research, Malaysia Acute leukemia gene fusion detection using the nanostring-digital barcode technology
P 1.2	Amsal binti Abdul Ghani Malaysian Agricultural Research and Development Institute, Malaysia Effects of multi-enzyme complex treatment on the total phenolic content, antioxidant activity and clarity of watermelon juice
P 1.3	Assoc Prof Dr Helmi Wasoh @ Mohamad Isa Universiti Putra Malaysia <i>Streptococcus agalactiae</i> growth profile from red hybrid tilapias for <i>Streptococcosis</i> disease investigation
P 1.4	Assoc Prof Dr Mohamad Faizal Ibrahim Universiti Putra Malaysia E-service learning in biotechnology as an innovative approach in bioeducation
P 1.5	Prof Dr Suraini Abd-Aziz Universiti Putra Malaysia Agrowastes materials and indigenous plants as feedstock for biobased-based products
P 1.6	Dr Mohd Azwan Jenol Universiti Putra Malaysia Pineapple plants stems as potential cellulosic-derived sugars as feedstock for fermentation process
P 1.7	Dr Soo Peng Koh Malaysian Agricultural Research and Development Institute, Malaysia Potential SCOBY jackfruit leaves as active ingredient against skin pathogens
P 1.8	Joanna Cho Lee Ying Malaysian Agricultural Research and Development Institute, Malaysia Effects of coating pre-treatment and thawing condition on the quality of minimally processed jackfruit by direct freezing
P 1.9	Nur Azlin Razali Malaysian Agricultural Research and Development Institute, Malaysia Surface sanitation as a recommended treatment to improve the safety and shelf life of watermelon
P 1.10	Dr Ainaa Abdul Kahar Malaysian Agricultural Research and Development Institute, Malaysia Effect of hypoxia and germination conditions on gamma-aminobutyric acid (GABA) content in germinated mung bean
P 1.11	Zahidah Abu Seman Institute for Medical Research, Malaysia An exciting glimpse into transcriptome analysis of acute myeloid leukaemia (AML) patients in Malaysia
P 1.12	Siti Noraini Bunawan Malaysian Agricultural Research and Development Institute, Malaysia Specific antibacterial activity of lemon myrtle essential oil nanoemulsion towards <i>Xanthomonas oryzae</i> pv. <i>oryzicola</i> without harming the soil bacterial communities
P 1.13	Dr Suria Mohd Saad Malaysian Agricultural Research and Development Institute, Malaysia Development of aptamer-based biosensor for the detection of permethrin
P 1.14	Nor Faizah Jalani Malaysian Palm Oil Board, Malaysia Pilot scale study on squalene recovery from palm fatty acid distillate
P 1.15	Dr Eugenie Tan Sin Sing UCSI University, Malaysia Acne, diet and stress among high school students in Mumbai, India



P 1.16	Dr Ermi Neiza Mohd Sahid Institute for Medical Research, Malaysia Quantitative PCR in post-allogeneic hematopoietic stem cell transplantation chimerism monitoring: A five-year pioneering approach
P 1.17	Mohd Izwan Mohd Lazim Malaysian Agricultural Research and Development Institute, Malaysia Development of functional flavored coconut milk beverage
P 1.18	Dr Khew Choy Yuen Malaysian Pepper Board, Malaysia Development and evaluation of antioxidant and antidiabetic properties of Sarawak black pepper
P 1.19	Dr Khairun Hisam Nasir Malaysian Agricultural Research and Development Institute, Malaysia Assessment of genetic diversity of <i>Pleurotus ostretus</i> isolates from MARDI
P 1.20	Dr Norazrin Ariffin Universiti Putra Malaysia Historical analysis of the chicken genome annotation using proteomics
Session 2	20 September 2022
P 2.1	Dr Norlia Basherudin Forest Research Institute Malaysia Potential of recombinant protein production in hairy root culture of <i>Centella asiatica</i>
P 2.2	Norsharina Md Saad National Institutes of Biotechnology Malaysia Plant-based materials via kenaf in vitro cell culture for tissue engineering and regenerative medicine
P 2.3	Dr Nurashikin Kemat Universiti Putra Malaysia Physiological and morpho-anatomical analyses of hyperhydric <i>Arabidopsis thaliana</i> affected by media components
P 2.4	Dr Gan Sin Yee Malaysian Palm Oil Board, Malaysia Potential valorization of oil palm fiber in versatile applications towards sustainability: A review
P 2.5	Dr Fatiha Ismail Malaysian Palm Oil Board, Malaysia Transformation of oil palm biomass into cellulose and microcrystalline cellulose via eco-friendly method
P 2.6	Fadila Ahmad Malike Malaysian Palm Oil Board, Malaysia Performance of oil palm <i>dura</i> × <i>Pisifera progenies</i> based on different deli <i>dura</i> populations
P 2.7	Mariam Jamilah Mohd Fairus Universiti Putra Malaysia Production of activated carbon from bamboo (<i>Dendracalumus asper</i>) using 2-in-1 reactor and tube furnace for pollutants removal
P 2.8	Anis Syauqina Mohd Zaffarin Universiti Kebangsaan Malaysia Physicochemical characterization of nano-hydroxyapatite loaded with tocotrienol-rich fraction for oral delivery
P 2.9	Besek Mariam Mohamad Jahis Universiti Putra Malaysia Modification of oil palm decanter cake through fermentation by <i>Ganoderma lucidum</i> to produce fish dietary feed pellet for patin (<i>Pangasianodon hypophthalmus</i>)
P 2.10	Nurul Haziqah Alias Universiti Putra Malaysia Sequential-substrate feeding and sequential-enzymes loading of enzymatic saccharification to enhance fermentable sugar production from sago hampas



P 2.11	Affandi Omar Institute for Medical Research, Malaysia Biophysical and biochemical characterization of chondroitin dermatan trisulphate as potential pharmacological chaperone for Hunter syndrome
P 2.12	Nur Afiqah Ali Universiti Putra Malaysia The reusability of heterogenous catalyst impregnate with transition metal in biodiesel production
P 2.13	Huang Zhen Ni Universiti Putra Malaysia The role of nutrients and environmental stressors towards enriching superoxide dismutase (SOD) antioxidant in local microalga <i>Tetraselmis chuii</i> biomass as potential novel food
P 2.14	Intan Azzween Natasha Ahmad Razi Universiti Teknologi MARA, Malaysia Elicitation of cryptic secondary metabolites from mangrove and cave soil actinobacteria
P 2.15	Joana Noor Rashidah Rosli Universiti Teknologi MARA, Malaysia Epigenetic modifiers as tools to stimulate new secondary metabolite from compost actinobacteria
P 2.16	Anis Syahirah Saifor Adzuan Universiti Teknologi MARA, Malaysia Characterization of probiotic properties and antimicrobial activity of lactic acid bacteria from stingless bee gut
P 2.17	Sarah Mohammed Yousuf Abdi Universiti Kuala Lumpur, Malaysia Effect of temperature on metabolic pathway of rhamnolipid biosynthesis by <i>Burkholderia thailandensis</i> E264
P 2.18	Ashreen Norman Universiti Putra Malaysia Biogenic synthesis of titanium dioxide with cocoa pod wastes extract
P 2.19	Norziha Abdullah Malaysian Palm Oil Board, Malaysia Performance of selfed and intercrossed MPOB-Nigeria population 12 linked to dwarfness
P 2.20	Dr Chen Ruey Shan Universiti Kebangsaan Malaysia Development of agricultural waste rice husk fiber for recycled plastic-based composites
On-line (pre-recorded poster presentation)	
P 3.1	Wan Nur Fatimah Wan Muhammad Zulkifli Malaysian Palm Oil Board, Malaysia The effect of purification method on composition of sophorolipids produced by <i>Starmerella bombicola</i>
P 3.2	Dr Yun Shin Sew Malaysian Agricultural Research and Development Institute, Malaysia Expression analysis of starch biosynthesis genes across local rice varieties with varying grain amylose content
P 3.3	Assoc Prof Dr Gideon Khoo Universiti Tunku Abdul Rahman, Malaysia Optimization of fruit fly (<i>Drosophila melanogaster</i>) culture media for higher yield of offspring
P 3.4	Dr Saila Ismail Universiti Putra Malaysia In vitro antiviral activity of the natural compound linalool against respiratory syncytial virus
P 3.5	Dr Azlina Mohd Danial Malaysian Agricultural Research and Development Institute, Malaysia Functional biological activities and human collagen synthesis stimulation potential of fermented anchovy
P 3.6	Rathi Devi Nair Gunasegavan Institute for Medical Research, Malaysia Evaluation of antioxidant and antidiabetic potentials of local fruit by-products for development of rapid dissolving films



P 3.7	Dr Azlina Mansor Malaysian Agricultural Research and Development Institute, Malaysia Evaluation of enzymatic hydrolysis in the production of gelatin hydrolysate with anti-aging property
P 3.8	Zulina Abd Maurad Malaysian Palm Oil Board, Malaysia Particle properties of crystallized bio-based methyl ester sulphonates (MES)
P 3.9	Zaizuhana Shahrin Malaysian Palm Oil Board, Malaysia Topical application of the palm tocotrienol-rich fraction enhances cutaneous wound healing in type-2 diabetic mice
P 3.10	Vinoothini Karunnamithy Universiti Kebangsaan Malaysia Stability evaluation of the dermal fibroblast conditioned medium (DFCM) in different storage conditioned on in vitro skin cells properties
P 3.11	Anisah Jamaluddin Universiti Kebangsaan Malaysia Evaluation of anti-photoaging potential of <i>Aspergillus-oryzae</i> -fermented broken rice, brewer's rice and rice bran in UVB-irradiated human fibroblasts
P 3.12	Aini Darwina Daud Universiti Putra Malaysia Scale-up biosynthesis of bacterial nanocellulose by <i>Komagataeibacter hansenii</i> RM-03 incorporated with silver nanoparticles from bitter melon extract
P 3.13	Nurul Husna Che Hamzah Universiti Putra Malaysia Preparation and characterization of starch-based pH indicator films and the release of anthocyanins
P 3.14	Gao Jianfeng Universiti Putra Malaysia Isolation, identification, and culture conditions optimization of <i>Pseudomonas</i> spp. for water quality improvement
P 3.15	Tan Ying Ju Universiti Putra Malaysia Antibacterial effect of <i>Melastoma malabathricum</i> leaves extract against eight locally isolated bovine mastitis pathogens
P 3.16	Adela Ida Jiram Institute for Medical Research, Malaysia Application of molecular method in the detection of submicroscopic malaria in Malaysia
P 3.17	Farahzety Abdul Mutalib University of Nottingham Malaysia Nutritional and phytochemical composition of <i>Moringa oleifera</i> leaves as affected by planting densities and fertiliser sources in Malaysia
P 3.18	Tijjani Mustapha Universiti Putra Malaysia Green synthesis and characterization of silver nanoparticle using <i>Citrus aurantifolia</i> fruit peel extract
P 3.19	Nur Hana Faujan Universiti Putra Malaysia Investigating the effects of fucoxanthin on the structural conformation and the stability of A β 42 fibril by molecular dynamics simulation.
P 3.20	Paveethra Thegarathah Universiti Malaya, Malaysia Composition and potential reusability study of separator sludge from palm oil mill
P 3.21	Dr Munirah Tharek Malaysian Agricultural Research and Development Institute, Malaysia Elucidation of endophytic <i>Escherichia coli</i> USML2 genes involved in multiple plant growth promoting traits



Participant only

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