

**Schedule**  
**The 4<sup>th</sup> International Conference on Biosciences & Medical Engineering**  
**21-22 June 2022**

TIME (GMT +8 hours)	DAY 1 (21 June 2022)	
08.00-08.30	Registration	
08.30-08.35	Welcoming Address by Master of Ceremony, <i>Dr Widya Abdul Wahab</i>	
08.35-08.40	Recitation of Du'a by <i>Assoc. Prof. Dr. Abdurezak Abdullahi Hashi</i>	
08.40-08.50	Welcoming Speech by Chairman of ICBME2022, <i>Assoc. Prof. Dr Azzmer Azzar Abdul Hamid</i>	
08.50-09.00	Opening by the Dean of Kulliyah of Science, <i>Assoc. Prof. Dr. Jesni Shamsul Shaari</i>	
09.00-09.30	<b>Keynote I: <i>Dr. Ravindran Thayan (Institute for Medical Research (IMR), National Institute of Health (NIH) Malaysia)</i></b>	
	Covid-19 Pandemic: Bridging Biosciences and Medical Engineering in Various Facets of Outbreak Management	
09.30-10.00	<b>Keynote II: <i>Assoc. Prof. Dr. Takahisa Yamamoto (Gifu College, Japan)</i></b>	
	How Computational Fluid Dynamics Simulation Contributes to the Development of Biomedical Engineering	
10.00-10.30	Joint Q & A and Break	
	<b>ROOM A (Breakout 1)</b>	<b>ROOM B (Breakout 2)</b>
<b>Concurrent Session 1</b>	<b>Chairperson:</b> Prof. Dr. Fahrul Zaman Huyop (Universiti Teknologi Malaysia)	<b>Chairperson:</b> Prof. Tengku Hazi Amin (International Islamic University Malaysia)
11.00-11.30	<b>Plenary I:</b> <i>Prof. Dr. Shaharum Shamsuddin (Universiti Sains Malaysia)</i>	
	Molecular Evolution Of SARS-COV-2: From Wuhan to Omicron BA.2	<b>Plenary II:</b> <i>Assoc. Prof. Dr. Zarina Zainuddin (International Islamic University Malaysia)</i>
11.30-11.45	<b>53AO: <i>DyaFitri Kusharyati</i></b>	
	Bacteriocin of <i>Lactic Acid Bacteria</i> LG15 Isolated from Logending Beach Mangrove Sediment and Its Inhibition Against <i>Propionibacterium acnes</i> .	<b>52AO: <i>Nabihah binti Azhary</i></b>
11.45-12.00	<b>47AO: <i>Dr. Saefuddin Aziz</i></b>	
	Detection of Phenylglycine and Pipecolic Acid Biosynthetic Genes Involved in Pristinamycin Production in <i>Streptomyces</i> SW4 by Polymerase Chain Reaction.	<b>50AO: <i>I Gede Putu Supadmanaba</i></b>
12.00-12.15	<b>42AO: <i>Siti Aishah Sufira binti Nor Hishamuddin</i></b>	
	The Binding Affinity of Spike Cleavage Site with Furin Protease: Insight into Infectivity of Sars-Cov-2 Variants	<b>48AO: <i>Assoc. Prof. Dr. Desak Made Wihandani</i></b>
		Relationship Between Serum Level of CD44 With Clinicopathology of Breast Cancer Patient in Bali, Indonesia.

12.15-12.30	<p><b>Invited speaker I:</b> <b>Dr. 'Aishah Mohamed Rehan</b> <b>(Universiti Tun Hussein Onn Malaysia)</b></p> <p>Utilization Of Bioinformatics Tools for Characterizing Carbohydrate-Active Enzymes (CAZYMES) For Biobased Industry</p>	<p><b>Invited speaker II:</b> <b>AP Dr. Mohd Dasuki Hj Sul'ain</b> <b>(Universiti Sains Malaysia)</b></p> <p>Anti-Depressant Effects of Melaleuca cajuputi Essential Oil in Chronic Immobilization Stress-Induced Mice</p>
12.30-12.45	<p><b>41AO: Dr. Ummu Afeera Zainulabid</b></p> <p>Rapid Identification Of SARS-CoV-2 Lineages from Two Major Clusters in Pahang, Malaysia Using Minion Sequence</p>	<p><b>45AO: I Wayan Ryantama Swastika Braja</b></p> <p>Formulation And Stability of Clove Leaf (<i>Syzygium Aromaticum</i> L.) Essential Oil Microemulsion</p>
12.45-13.00	<p><b>37AO: Rafida Binti Razali</b></p> <p>Optimization of Recombinant Production and In Silico Screening of Peptide-Based Inhibitors for SARS-CoV-2 Plpro</p>	<p><b>36AO: Syariffah Nuratiqah Syed Yaacob</b></p> <p>Genome Analysis of Lactic Acid Bacteria from Malaysian <i>Heterotrigena itama</i> Honey Reveal Its Source of Novel Lactobacillaceae spp. Capable to Produce B-Group Vitamins</p>
13.00-14.00	<b>Poster Evaluation &amp; Tea Break</b>	<b>Poster Evaluation &amp; Tea Break</b>
<p><b>Session 2</b> 14.00-14.15</p>	<p><b>Chairperson:</b> <b>Dr. Nurul Hidayah Samsulrizal</b> <b>(International Islamic University Malaysia)</b></p>	<p><b>Chairperson:</b> <b>Dr. Khairul Bariyyah Abd. Halim</b> <b>(International Islamic University Malaysia)</b></p>
14.15-14.30	<p><b>35AO: Dr. Cahyo Budiman</b></p> <p>Inhibitory Properties of Hypotlride of <i>Hyptis Pectinata</i> (L.) Against Proteolytic Subunit of Caseinolytic Protease of <i>Plasmodium knowlesi</i></p>	<p><b>34AO: Prof. Dr. drh. I Wayan Suardana, Msi</b></p> <p>Identification Of Gram-Positive A-Hemolysis Bacteria Isolated from Tonsil and Nasal of Pigs in Traditional Pig Slaughterhouse and Its Antimicrobial Susceptibility Against Penicillin G and Tetracycline</p>
14.30-14.45	<p><b>33AO: Teo Hwee Li</b></p> <p>Optimization Of Cellulase and Xylanase Synthesis by <i>Trichoderma harzianum</i> Under Solid-State Fermentation Using Untreated Oil Palm Leaves by Taguchi Ortogonal Design</p>	<p><b>32AO: Zahidah Nasuha Bt Mohd Yasin</b></p> <p>Comparison Of Thp-1 Macrophages Viability in Different Types of Culture Vessels</p>
14.45-15.00	<p><b>27AO: Nurhidayah Binti Ab. Rahim</b></p> <p>Antioxidant Activity and Lc-Ms Profiling of Leaves Extract of <i>Alstonia angustiloba</i></p>	<p><b>29AO: Dr. A.A.S.A. Sukmaningsih K.</b></p> <p>Effect Of <i>Eucheuma cottoni</i> seaweed Extract on Histopathology of Testes of White Rat (<i>Rattus Norvegicus</i> L.) that Induced by Natrium Nitrite</p>
15.00-15.15	<p><b>49BO: Dr. Tooba Lateef</b></p> <p>Wild Oat: A Miraculous Hepatoprotective Herb.</p>	<p><b>18AO: Dr. Izwan Bharudin</b></p> <p>Identification of Mating Genes from Oil Palm Pathogen, <i>Ganoderma boninense</i></p>
15.15-15.30	<p><b>Invited Speaker III:</b> <b>Dr. Khairul Mohd Fadzli</b> <b>(Universiti Sains Malaysia)</b></p> <p>EGFP Increases DNA Aptamer Binding Affinity Against CD54 Protein</p>	<p><b>Invited Speaker IV:</b> <b>Dr. Siti Azma Jusoh</b> <b>Universiti Teknologi Mara</b></p> <p>Ensemble-Based Docking in Drug Discovery: Progress, Pros &amp; Cons</p>

15.30-15.45	<p><b>43AO: Prof. Dr. Nyoman Semadi Antara</b></p> <p>Promising Source of Prebiotics from Tropical Plants of Indonesia Origin</p>	<p><b>46AO: Dr. Dini Ryandini</b></p> <p>Inhibition Of Pathogenic Bacteria by Antibacterial Compounds Produced by <i>Streptomyces</i> Sp. Sae4034.</p>
15.45-16.00	<p><b>30AO: Nadhirah Binti Misman</b></p> <p>De Novo Transcriptome Dataset of Gene Expression in <i>Durio zibethinus</i> During the Infection of <i>Phytophthora Palmivora</i></p>	<p><b>44AO: Prof. Dr. Sri Wahjuni</b></p> <p>Nano Extract of <i>Coriandrum Sativum</i> L (Ketumbar) Decrease Malondialdehyde (Mda), Superoxide Dismutase (Sod) Blood Glucose in STZ-Induced Wistar Rats.</p>
16.00-16.15	<p><b>39BO: Nanthini Rajindran</b></p> <p>Analysis Of a Special Product Honey from Sabah</p>	<p><b>55BO: Ni Made Pertiwi Jaya</b></p> <p>Application Of Biological Filter on Fish Cultivation in Floating Net Cages for Lake Water Quality Management</p>
16.15-16.30		<p><b>56BO: Prof. Osmanu Haruna Ahmed</b></p> <p>Reversing Soil Threat for Production Agriculture</p>
16.30-17.00	<b>Tea Break</b>	
<b>End of day 1</b>		

TIME	DAY 2 (22 June 2022)	
08.30-09.00	Registration	
09.00-09.30	<b>Keynote Speaker III: Dr. I Nengah Sujaya (Udayana University, Indonesia)</b> Post COVID-19 Pandemic Era: The time to Recover Gut Dysbiosis	
09.30-09.45	Q&A and Break	
	<b>ROOM A (Breakout 1)</b>	<b>ROOM B (Breakout 2)</b>
<b>Session 3</b>	<b>Chairperson:</b> <b>Prof. Dr. Fahrul Zaman Huyop</b> <b>(Universiti Teknologi Malaysia)</b>	<b>Chairperson:</b> <b>Dr. Syafiqah Saidin</b> <b>(Universiti Teknologi Malaysia)</b>
10.00-10.30	<b>Plenary III:</b> <b>Prof. Dr. Thomas Edison E. dela Cruz</b> <b>(University of Santo Thomas, Phylipines)</b>  Hidden Partners: Tapping Fungal Associates for Bioactive Metabolites	<b>Plenary IV:</b> <b>Dr. Ahmad Zahran</b> <b>(Universiti Teknologi Malaysia)</b>  Physiological Flow as a basis for Medical Device Design
10.30-10.45	<b>15AO: Bilyaminu Garba Jega</b>  Antibiotic Resistance of Gram-Negative Bacteria Isolated from Inpatients Department (Ipd) In Federal Medical Center (Fmc) Birnin Kebbi, Nigeria	<b>40CO: Syafie Nizam</b>  Preliminary Result: Ai-Generated Neutrophil Image Using Deep Convolution Gan for Data Augmentation
10.45-11.00	<b>17AO: Dr. Sarahani Harun</b>  Identifying The Potential Genes in Glucosinolate Biosynthesis Using Pathway Analysis	<b>25CO: Dr. Ridwan Rachmat</b>  Characteristics Of Straw Mushroom Cultivated Inside Fibre Reinforce Plastic House with Iot
11.00-11.15	<b>9AO: Lishantini A/P Pearanpan</b>  Annexin A1 Modulation in <i>Clinacanthus nutans</i> Treated Breast Cancer Cell Lines	<b>3BO: Nurazira Binti Anuar</b>  Nutritional Properties Evaluation of Asian Sea Bass Feed Formulation from Larvae Generated by Fish and Chicken Wastes
11.15-11.30	<b>Invited Speaker V:</b> <b>Dr. Zulkhairi Abdul Rahim</b> <b>(Universiti Kuala Lumpur)</b>  Biosensor: A Rapid Approach for Analytical Applications	<b>Invited Speaker VI:</b> <b>Dr. Fazia Adyani Ahmad Fuad</b> <b>(International Islamic University Malaysia)</b>  The Glycolytic Pathway as a Target for Drug Discovery Against Tropical Diseases
11.30-11.45	<b>8AO: Isah Musa</b>  Antibacterial Activity, UV-Vis Spectrophotometry, and FTIR Analysis of <i>Melaleuca cajuputi</i> Powell Leaves Extract	<b>23BO: Nurul Farhana Roszaini</b>  Mechanical Properties of Carbon Fiber for Consumer Product: A Mini Review
11.45-12.00	<b>5AO: Sharifah Siti Maryam Bt Syd Abdul Rahman</b>  Bacteria Associated with Rice Grain Discoloration in Penang	<b>22BO: Chong Pu En</b>  Properties Of the Transparent Wood for Weathering Resistance

12.00-12.15	<b>2AO: Dr. Yilmaz Kaya</b> Degradation Of Dalapon Herbicide by <i>Rahnella aquatilis</i> Isolated from Root Nodules of Faba Bean	<b>21BO: Aina Ashyiqin Gapor</b> The Synergetic Effect of Fly Ash Concrete Mix for the Application of Sustainable Construction
12.15-12.30	<b>1AO: Nor Wajihan Binti Muda</b> Influence of Microbial Inoculant on The Oviposition and Completion of Life Cycle of <i>Chrysomya megacephala</i> and <i>Chrysomya Ruffifacies</i> Infesting Rabbit Carcasses	<b>20BO: I Gede Arya Sujana</b> Selection and Growth Condition Optimization of Ethanol-Producing Microbes Isolated from Ragi Tapai
12.30-12.45	<b>4AO: Aedriane Reeza Alwi</b> Applications Of X-Chromosome Short Tandem Repeats for Human Identification: A Review	<b>19BO: I Wayan Wisma Pradnyana Putra</b> Isolation, Screening of Cellulolytic Bacteria, Optimization of Cellulase Production and Its Partial Purification
12.45-13.00	<b>31BO: Wan Nurul Syafawani Binti Wan Mohd Taufek</b> Application of Geometric Morphometric (GMM) Approach for Writer Classification Using Handwritten Numeral Characters	<b>16BO: Nurnabilah Binti Ahmad Pandi</b> Callus Induction of <i>Zingiber officinale</i> Var. Bentong Using Different Plant Growth Regulators (Pgrs) And Photoperiod for the Establishment Oof Cell Suspension Culture
13.00-14.00	<b>Poster Evaluation &amp; Tea Break:</b>	<b>Poster Evaluation &amp; Tea Break:</b>
<b>Session 4</b> 14.00-14.15	<b>Chairperson 4A:</b> <b>Dr. Yilmaz Kaya</b> (Ondokuz Mayıs University, Turkey)	<b>Chairperson 4B:</b> <b>Prof. Dr. Ahmed Jalal Khan Chowdhury</b> (Universiti Islam Sultan Sharif Ali, Brunei)
14.15-14.30	<b>28BO: Dr. Yohanes Setiyo</b> Application of the Leisa System for Land Health	<b>14BO: Dr. Intan Zarina Zainol Abidin</b> The Effects of <i>Piper sarmentosum</i> Ethyl Acetate Extract on Osteoblast Differentiation of Peripheral Blood Stem Cells
14.30-14.45	<b>11BO: Arik Arubil Fatimah</b> Incidence Of Phytoplasma Diseases in Carrot in Malang Regency, Indonesia	<b>13BO: Nur Syafiqah Abdul Halim</b> Characterization of Pineapple Leaves Paper Using Scanning Electron Microscope (SEM) And Fourier-Transform Infrared Spectroscopy (FTIR): A Review
14.45-15.00	<b>10BO: Dr. Siti Fairuz Che Othman</b> Assessing The Physicochemical Stability of Essential Oil Encapsulated in Hydrogel Beads	<b>12BO: Umi Hartina Mohamad Razali</b> Effects Of Ultrasonic Treatment on Collagen Extraction from The Skins of Barramundi
15.00-15.15	<b>57AO: Dr. Cristalina Jalil Marsal</b> Fish Skin Gelatin and Kappa-Carrageenan Mixtures; An Innovative Approach Towards Rheological Characterization	<b>54BO: Dr. Ir. Halil Hamzah, Mba</b> Developing Drip Irrigation Technology on Dry Land Chili Farming in Rural of North Lombok: Improving Farmers' Households During Pandemic Covid-19 Era

15.15-15.30	<p><b>Invited Speaker VII:</b>  <b>Assoc. Prof. Dr. Sevgi Marakli</b>  <i>(Yildiz Technical University, Turkey)</i></p> <p>The Dark Matter Rises to Identify the Relationship Between Transposon and Mirna in Aegilops Genome</p>	<p><b>Invited Speaker VIII:</b>  <b>Assoc. Prof. Dr. Hajah Rose Abdullah</b>  <i>(Universiti Islam Sultan Sharif Ali, Brunei)</i></p> <p>COVID-19 Pandemic Implications on Agro-Food Trade Issues and Challenges Towards Food Security in Brunei Darussalam</p>
15.30-15.45	<p><b>26BO: Qiestiena Aliya Faiezi Binti Faizul</b></p> <p>Callus And Cell Suspension Culture of Sacha Inchi (<i>Plukenetia Volubilis</i> L.)</p>	<p><b>58BO: Dr. Mohd Hafiz Jamaludin</b></p> <p>A Review of Solid-State Fermentation: An Alternative Source of Protein for Aquaculture Feed</p>
15.45-16.00		<p><b>24BO: Nurzafirah Mohamad</b></p> <p>Preparation and Characterization of Activated Carbon from Watermelon Peels- A Short Review</p>
16.15-16.45	<p><b>PRESENTER AND AWARD WINNER:</b>  <b>Will be given by Assoc. Prof. Dr. Azzmer Azzar and Assoc. Prof. Dr. Rose Abdullah (UNISSA)</b></p>	
16.45-17.00	<p><b>CLOSING CEREMONY BY CO-CHAIR:</b>  <b>Dr. Ida Bagus Wayan Gunam (Udayana University)</b></p>	
<p><b>End of the 4<sup>th</sup> International Conference on Biosciences &amp; Medical Engineering</b></p>		