

## PROGRAM SCHEDULE FOR IBA-SUMBio22 (8 – 10 AUGUST 2022)

(UTM as the host)

DAY 1 - 8 AUGUST 2022	
Time	Event
Webex link	<a href="https://utm.webex.com/utm/j.php?MTID=mb11eef1887c11f1a350680ce982aee5">https://utm.webex.com/utm/j.php?MTID=mb11eef1887c11f1a350680ce982aee5</a>
0800 hrs	<b>Registration</b>
0900 – 0905 hrs	Malaysian National Anthem
0905 – 0910 hrs	Prayer's recital
0910 – 0920 hrs	<b>Welcoming remarks</b> by Assoc. Prof. Dr. Zainul Akmar bin Zakaria, Chairman of IBA-SUMBio22
0920 – 0930 hrs	<b>Welcoming speech</b> by Assoc. Prof. Ir. Ts. Dr. Roshanida A. Rahman, Dean Research Alliance (Health & Wellness), UTM
0930 – 0940 hrs	<b>Introduction to IBA</b> by Prof. Dr. Ashok Pandey, Chief Executive Coordinator of IBA, India
0940 – 0950 hrs	<b>Speech and Opening Ceremony</b> by Prof. Datuk Ts. Dr. Ahmad Fauzi bin Ismail, Vice-Chancellor of UTM
0950 – 0955 hrs	<b>Official Video Montage</b> Presentation for IBA-SUMBio22
0955 – 1000 hrs	<b>Official Photography Session</b> for Opening Session
1000 – 1050 hrs	<b>Plenary Speech:</b> Prof. Dr. Huu Hao Ngo (UTS, Australia) <i>Enhancement of Fermentative Biohydrogen Production from Biowastes</i> (Chairperson: Dr. Hasrinah Hasbullah)
1050 – 1100 hrs	Coffee break
1100 – 1140 hrs	<b>Keynote 1:</b> Prof. Dr. Lam Su Shiung (UMT, Malaysia) <i>Production of Value-Added Hydrochar and Wood Vinegar from Single-Mode Microwave Hydrothermal Carbonization</i> (Chairperson: Dr. Nur Izyan Wan Azelee)
1140 – 1220 hrs	<b>Keynote 2:</b> Dr. Eldon Rene Raj (IHE Delft, Netherlands) <i>Application of Thermophilic Gas-Phase Biofilters for Treating Volatile Organic Compounds: Performance Under Steady and Transient-State Operations</i> (Chairperson: Dr. Zulhairun Ab. Karim)
1220 – 1400 hrs	Lunch break

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Time	Event	
	BREAKOUT ROOM 1	BREAKOUT ROOM 2
1400 – 1630 hrs	<b>Topic 1:</b> Biological/ Hydrothermal/ Chemical Processing of Biomass (Chairperson: Dr. Mohd Helmi Sani)	<b>Topic 2:</b> Water and Wastewater treatment (Chairperson: Assoc. Prof. Ir. Dr. Dayang Norulfairuz Abang Zaidel)
<b>Webex link</b>	<a href="https://utm.webex.com/utm/j.php?MTID=m637099a13849066ab9976bb80f764008">https://utm.webex.com/utm/j.php?MTID=m637099a13849066ab9976bb80f764008</a>	<a href="https://utm.webex.com/utm/j.php?MTID=mae2ec29ac7524f09e473efaa6c26d4c9">https://utm.webex.com/utm/j.php?MTID=mae2ec29ac7524f09e473efaa6c26d4c9</a>
1400 – 1430 hrs	<b>Invited Speaker IS-01:</b> Dr. Ratna Dewi Kusumaningtyas (UNNES, Indonesia) <i>Biomass Conversion into Biopellet Fuel and the Potential Application as Alternative Energy</i>	<b>Invited Speaker IS-03:</b> Prof. Dr. Datta Madamwar (Charotar University of Science and Technology, India) <i>Cynobacterial Phycobiliproteins: Structural and Therapeutic Science</i>
1430 – 1500 hrs	<b>Invited Speaker IS-02:</b> Prof. Dr. Zhang Zhiping (Henan Agricultural University, China) <i>Bio-based Green Hydrogen— Key Technologies and Application of Hydrogen-Fertilizer Co-Production Through Photo-Fermentation from Agricultural Waste</i>	<b>Invited Speaker IS-04:</b> Prof. Dr. Manish Kumar (University of Petroleum and Energy Studies, India) <i>Real-world Challenges and Applications of Bioresources for the Promotion of Sustainability</i>
1500 – 1515 hrs	<b>(V002) Nurfadhila Nasya Ramlee</b> <i>Immobilization of Candidarugosa Lipase on Magnesium Oxide-aluminum Oxide Pellet Via Covalent Bonding</i>	<b>(V006) Rozidaini Mohd Ghazi</b> <i>Removal of Crystal Violet Dye using Rubber-Based Hydrogel</i>
1515 – 1530 hrs	<b>(V003) Nur Izati Iberahim</b> <i>Optimization and Quality Determination of Fish Oil Produced from Catfish Waste (Gut) Via Heat Extraction through Response Surface Methodology</i>	<b>(V009) Intan Nur Athirah Daud</b> <i>Screening for the Best Delignification Condition of Banana Peels by Ozonation Pre-Treatment</i>
1530 – 1545 hrs	<b>(V012) Amal M. Elgharbawy</b> <i>Clean Extraction of Pectin from Fruit Peels Using Deep Eutectic Solvents and Ionic Liquids</i>	<b>(V010) Khirtana Murugesu</b> <i>Endocrine Disrupting Compounds Removal from Wastewater using Oxidoreductase Enzymes: Short Review</i>
1545 – 1600 hrs	<b>(V019) Lee Xin Yi</b> <i>Silver Nanoparticles Synthesis Using Banana Peels Extract and Its In Silico Evaluation for Staphylococcus aureus Antibacterial Activity</i>	<b>(V030) Zhang Jianhui</b> <i>Biosorption and Bioaccumulation of Heavy Metals by Purple Non-Sulphur Bacteria Isolated from Activated Sludge</i>
1600 – 1615 hrs	<b>(V022) Siti Hasyimah Suhaimi</b> <i>Rosmarinic Acid-Rich Fraction Induces Apoptosis on Prostate Cancer Cell Line</i>	<b>(V032) Liew Wai Loan</b> <i>Environmental Considerations Allied with the Application and Aerobic Operation of the Fluidized Bed Biofilm Reactor (FBR)</i>

1615 – 1630 hrs	<b>Q &amp; A session</b>	<b>Q &amp; A session</b>
1630 hrs	End of Day 1 (for UTM as host)	

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<b>DAY 2 - 9 AUGUST 2022</b>		
<b>Time</b>	<b>Event</b>	
	<b>BREAKOUT ROOM 3</b>	<b>BREAKOUT ROOM 4</b>
0900 – 1230 hrs	<b>Topic 3:</b> Food Biotechnology and Product Development (Chairperson: Dr. Nur Izyan Wan Azelee)	<b>Topic 4:</b> Natural Products (Chairperson: Dr. Nor Hasmaliana Abdul Manas)
<b>Webex link</b>	<a href="https://utm.webex.com/utm/j.php?MTID=m202d7f6883cd24bfbb2823101939e8ac">https://utm.webex.com/utm/j.php?MTID=m202d7f6883cd24bfbb2823101939e8ac</a>	<a href="https://utm.webex.com/utm/j.php?MTID=m8e4589fe55880a3b41f1d6f2cefbc9e2">https://utm.webex.com/utm/j.php?MTID=m8e4589fe55880a3b41f1d6f2cefbc9e2</a>
0900 – 0940 hrs	<b>Keynote 3:</b> Dr. Lilia Arely Prado Barragan (UAM, Mexico) <i>By-products of the Fruit Industry, a Gold Link in the Circular Economy</i>	<b>Keynote 4:</b> Dr. Monica Lizeth Chavez Gonzalez (UADEC, Mexico) <i>Solid-state Fermentation as an Efficient Strategy for the Production and Recovery of Natural Products</i>
0940 – 1010 hrs	<b>Invited Speaker IS-05:</b> Prof. Dr. Julián Rafael Dib (Universidad Nacional de Tucumán, Argentina) <i>Postharvest Fungal Diseases in Citrus: Native Yeasts as Biocontrol Solutions</i>	<b>Invited Speaker IS-07:</b> Assoc. Prof. Dr. Balualagar Venmathimaran (UMS, Malaysia) <i>Application of Natural Products to Control Fish Parasites and Diseases in Marine Aquaculture</i>
1010 – 1040 hrs	<b>Invited Speaker IS-06:</b> Assoc. Prof. Dr. Aizi Mazila Ramli (UMP, Malaysia) <i>Bioconversion of Pineapple Wastes for Production of Pleurotus Pulmonarius (Grey Oyster Mushroom) and Pleurotus Ostreatus (White Oyster Mushroom)</i>	<b>Invited Speaker IS-08:</b> Assoc. Prof. Dr. Zehra Edis (Ajman University, UAE) <i>Aloe-Vera-Sage-Iodine Bioformulations with Antimicrobial Properties: Sustainable Solutions for the Basic Public Health Care</i>
1040 – 1100 hrs	<b>(V004) Lee Chia Hau</b> <i>Production of Protein Concentrate from Edible Bird's Nest as an Alternative Nutraceutical Protein Source</i>	<b>(V001) Ho Pei Yi</b> <i>Cytotoxicity and Antioxidant Properties of Sauropus androgynous towards K562 Leukaemia Cells</i>
1100 – 1115 hrs	<b>(V017) Nor Azizah Mohammad</b> <i>Combined Homogenization Methods for Improved Physical Stability and</i>	<b>(V005) Mirdawati Mashudin</b> <i>Effects of Plant Extracts towards the Growth of Lactobacillus paracasei</i>

	<i>Antioxidant Retention of Encapsulated Mangosteen Pericarp Extract Via Nanoemulsion Delivery System</i>	
1115 – 1130 hrs	<b>(V018) Farah Atiah Nazarudin</b> <i>Evaluation of Pineapple Powder Properties Using Spray Drying and Foam Mat Drying</i>	<b>(V011) Nagainthini Maniarasu</b> <i>Optimisation of Rosmarinic Acid Rich Fraction from Orthosiphon Stamineus for Skin Regeneration</i>
1130 – 1145 hrs	<b>(V024) Foong Yin Ling</b> <i>Effects of Drying Methods and Extraction Solvents Towards the Antioxidant Activity of Morus alba Leaves Extracts</i>	<b>(V023) Kek Jazz Yee</b> <i>Antibacterial Properties of Green Silver Nanoparticles using Banana Peels Extract Loaded on Zeolite Clinoptilolite</i>
1145 – 1200 hrs	<b>(V025) Noor Hazwani Salleh</b> <i>Optimization of Spray Drying Parameters for The Microencapsulation of Edible Bird's Nest Co-Product Hydrolysate</i>	<b>(V026) Mohd Amir Asyraf Mohd Hamzah</b> <i>Cytotoxicity and Wound Healing Activity of Phenolic-Rich Pyroligneous Acid Fraction Obtained from Palm Kernel Shell</i>
1200 – 1215 hrs	<b>(VX024) Florencia Isabel Chacón</b> <i>Native Yeasts as Biocontrol Agents Against Gray Mold in Blueberries</i>	<b>(V027) Mohd Khairul Hafiz Idris</b> <i>Ethanollic Extract of Acalypha indica Interferes the Growth of Obesity Hormone Leptin-Induced Colon Cancer Cells</i>
1215 – 1230 hrs	<b>Q &amp; A session</b>	<b>Q &amp; A session</b>
1230 – 1400 hrs	Lunch break	
<b>Time</b>	<b>Event</b>	
	<b>BREAKOUT ROOM 5</b>	<b>BREAKOUT ROOM 6</b>
1400 – 1700 hrs	<b>Topic 5:</b> Soil and Land Reclamation/ Treatment (Chairperson: Dr. Myzairah Hamdzah)	<b>Topic 6:</b> Bio-business and Entrepreneurship (Chairperson: Dr. Aishah Rosli)
<b>Webex link</b>	<a href="https://utm.webex.com/utm/j.php?MTID=mbc52ca0c6b93ea79e514ba6b7c7150b0">https://utm.webex.com/utm/j.php?MTID=mbc52ca0c6b93ea79e514ba6b7c7150b0</a>	<a href="https://utm.webex.com/utm/j.php?MTID=mfc7993ff1fc8d7b71b7e4cf6bcf75f9e">https://utm.webex.com/utm/j.php?MTID=mfc7993ff1fc8d7b71b7e4cf6bcf75f9e</a>
1400 – 1440 hrs	<b>Keynote 5:</b> Prof. Evans Chirwa (UP, South Africa) <i>Biological Analogues in Advanced Water Treatment and Ecosystem Remediation from Toxic Wastes</i>	<b>Keynote 6:</b> Dr. Debora Campos (AgroGrIN TECH, Portugal)
1440 – 1510 hrs	<b>Invited Speaker IS-09:</b> Dr. Preeti Chaturvedi Bhargava (CSIR-Indian Institute of Toxicology Research, India) <i>Biochar as a Preferable Sorbent for Sustainable Reclamation of Soil and Land</i>	<b>Invited Speaker IS-11:</b> Dr. Chang Seo Park (LCS Biotech, Republic of Korea) <i>EcoCeramide: A Cosmetic Raw Material That Meets the Recent Trend in Sustainability and Naturalness Standards</i>

1510 – 1540 hrs	<b>Invited Speaker IS-10:</b> Prof. Jega Jegatheesan (RMIT University, Australia) <i>Assessments on the impacts of nature-based solutions for floating wetlands, constructed wetlands and maturation ponds: case of Sri Lanka, Vietnam and Philippines</i>	<b>Invited Speaker IS-12:</b> Dr. Mariam Firdhaus binti Mad Nordin (UTM, Malaysia)
1540 – 1555 hrs	<b>(V007) Nur Elia Aqila Abu Rahim</b> <i>Remazol Dye Removal from Aqueous Solution by Rice Husk-Based Organic Porous Materials: Adsorption Kinetics Study</i>	<b>(V015) Sumita Thiyagarajan</b> <i>Characteristics of Composite Scaffold (Chitosan-Gelatin-Carbonate Appetite) Based on Limestone</i>
1555 – 1610 hrs	<b>(V008) Norsyafiqah Amalina Ahmad Jafri</b> <i>Adsorption Kinetics of Immobilized Laccase on Magnetically-Separable Hierarchically-Ordered Mesocellular Mesoporous Silica</i>	<b>(V020) Rahimah Sabtu</b> <i>Formulation and Characterization of Basil Oil-Loaded Nanostructured Lipid Carrier by D-Optimal Mixture Design</i>
1610 – 1625 hrs	<b>(V028) Krasindh Hangsapreurke</b> <i>Enhancing Spotted Babylon Broodstock Production with Natural and Formulated Feeds</i>	<b>(VX004) Boitumelo Francina Mashangoane</b> <i>Cell Surface Display of Platinum Binding Peptides on Saccharomyces cerevisiae EBY100 cells using the <math>\alpha</math>-agglutinin Anchor System Developed for the Biosorption of Pt (IV)</i>
1625 – 1640 hrs	<b>(V029) Sabarikirishwaran Ponnambalam</b> <i>Impact of Extraction Solvents on Photoconversion Ability of Natural Dyes from Sandoricum koetjape and Syzygium samarangense</i>	<b>(VX006) Anil V. Shah</b> <i>Design and Simulation of Methanol Production from Rice Husk</i>
1640 – 1700 hrs	<b>Q &amp; A session</b>	<b>Q &amp; A session</b>
1700 hrs	End of Day 2 (for UTM as host)	

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**DAY 3 - 10 AUGUST 2022**

Time	Event		
	BREAKOUT ROOM 7	BREAKOUT ROOM 8	BREAKOUT ROOM 9
0900 – 1130 hrs	<b>Topic 7:</b> Biochar and Biochemicals (Chairperson: Ts. Dr. Lee Ting Hun)	<b>Topic 8:</b> On-site Demonstration/ Community Engagement (Chairperson: Dr. Hasrinah Hasbullah)	<b>Topic 9:</b> Biodegradable Materials (Chairperson: Ts. Dr. Rosnani Hasham)
<b>Webex link</b>	<a href="https://utm.webex.com/utm/j.php?MTID=mab7291496ccce420df7609105d275ca8">https://utm.webex.com/utm/j.php?MTID=mab7291496ccce420df7609105d275ca8</a>	<a href="https://utm.webex.com/utm/j.php?MTID=mc5be03b8ba29545fee60224ced811e88">https://utm.webex.com/utm/j.php?MTID=mc5be03b8ba29545fee60224ced811e88</a>	<a href="https://utm.webex.com/utm/j.php?MTID=m7d403178911014f706aaa61052f75172">https://utm.webex.com/utm/j.php?MTID=m7d403178911014f706aaa61052f75172</a>
0900 – 0940 hrs	<b>Keynote 7:</b> Prof Cheng Di Dong (NKUST, Taiwan) <i>Remediation of Contaminated Marine Sediments by Biochar and Associated Bacterial Community Composition</i>	<b>Keynote 8:</b> Prof. Dr. Raj Boopathy (Nicholls State Uni, USA) <i>Microbial Mining of Termite Gut Microbiome for Biodegradation of Phenolic Compounds</i>	<b>Keynote 9:</b> Prof. Dr. Ida Idayu Muhamad (UTM, Malaysia) <i>Eco-Design Principles for the Optimization of Biodegradable Polymers as Sustainable Packaging</i>
0940 – 1010 hrs	<b>Invited Speaker IS-13:</b> Dr. Rangabhashiyam Selvasembian (SASTRA Deemed University, India) <i>Potential Application of Biochar in Environmental Protection</i>	<b>Invited Speaker IS-15:</b> Prof. Dr. Divina Amalin (De La Salle University, Philippines) <i>SMART Pest Control System: The Case in the Philippines</i>	<b>Invited Speaker IS-17:</b> Assoc. Prof. Dr. Balasubramani Ravindran (Kyonggi University, South Korea) <i>Biodegradation of Food Waste Amended with Livestock Manure for Value Added Products</i>
1010 – 1040 hrs	<b>Invited Speaker IS-14:</b> Prof. Dr. Lucas Meili (UFAL, Brazil) <i>Influence of the MgAl/LDH Synthesis Method on the Removal of Nitrate from Aqueous Solution</i>	<b>Invited Speaker IS-16:</b> Prof. Dr. Hadiyanto (Diponegoro University, Indonesia) <i>Microplastic Degradation in Aquatic System: Identification and Removal Method</i>	<b>Invited Speaker IS-18:</b> Dr. Vijay Kumar Thakur (SRUC, Edinburgh)
1040 – 1055 hrs	<b>(V021) Mona Mohammed Al-Malki</b> <i>Date Palm Biomass as a Sustainable Commodity for High Porosity Biochar Production to Remove Pollutants in Agricultural Water</i>	<b>(V014) Zulhasni Abdul Rahim</b> <i>The Hydrogen Fuel Cell Industrial Based Technology Revolution and Intervention Using Theory of Inventive Problem Solving (TRIZ)</i>	<b>(V013) Nor Nadia Mohd Zakaria</b> <i>Immobilization of Recombinant Escherichia coli on Hollow Fiber Membrane as Whole Cell Biocatalyst</i>

1055 – 1110 hrs	<b>(V031) Nurul Shahira Mohd Sabri</b> <i>Permeable and antifouling PSf-Cys-CuO Ultrafiltration Membrane for Separation of Biological Macromolecules Proteins from Aqueous Solution</i>	<b>(VX002) Jimmy Anderson Martínez Ruano</b> <i>Comparative Analysis of the Production of Organic Acids and Alcohols Through Fermentation and Electro-Fermentation using Anaerobic Bacteria</i>	<b>(VX001) Fabian Andres Veliz de la Vega</b> <i>Hydrogen Production Enhancement using a <math>\Delta pSOL1</math> Mutant of a Degenerate Strain of the Anaerobic Microorganism <i>Clostridium acetobutylicum</i></i>
1110 – 1125 hrs	<b>Q &amp; A session</b>	<b>Q &amp; A session</b>	<b>Q &amp; A session</b>
1125 – 1130 hrs	Coffee Break		
<b><i>CLOSING CEREMONY</i></b>			
<b>Webex link</b>	<a href="https://utm.webex.com/utm/j.php?MTID=mb2cd286081d4f7fee836382c93f829d8">https://utm.webex.com/utm/j.php?MTID=mb2cd286081d4f7fee836382c93f829d8</a>		
1130 - 1140 hrs	<b>Closing Remarks</b> by Prof. Cristobal Aguilar Gonzalez, UADEC, Mexico, General Chair IBA-SUMBio22 (2230 - 2240 hrs, 9 Aug 22 Mexican time)		
1140 - 1155 hrs	<b>Award Presentation</b> by Monica (UADEC) (2240 - 2255 hrs, 9 Aug 22 Mexican time)		
1155 - 1210 hrs	<b>Official Closing Ceremony of IBA-SUMBio22</b> by Ing. Jesus Salvador Hernandez Velez (Rector of UADEC) (2255 - 2310 hrs, 9 Aug 22 Mexican time)		
1210 - 1225 hrs	<b>Speech and Closing Remarks</b> by Prof. Dr. Rosli bin Md. Illias (Deputy Vice Chancellor - Research and Innovation, UTM) (2310 - 225 hrs, 9 Aug 22 Mexican time)		
1225 – 1230 hrs	Photography session and end of UADEC's session of IBA-SUMBio22 (2325-2330 hrs, 9 Aug 22 Mexican time)		
1230 hrs	End of IBA-SUMBIO22 (2330 hrs, 9 Aug 22 Mexican time)		

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