

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

(UTM as the host)

DAY 1 - 8 AUGUST 2022	
Time	Event
Webex link	https://utm.webex.com/utm/j.php?MTID=mb11eef1887c11f1a350680ce982aeec5
0800 hrs	Registration
0900 – 0905 hrs	Malaysian National Anthem
0905 – 0910 hrs	Prayer's recital
0910 – 0920 hrs	Opening remarks by Assoc. Prof. Dr. Zainul Akmar bin Zakaria, Chairman of IBA-SUMBio22
0920 – 0930 hrs	Welcoming remarks by Assoc. Prof. Ir. Ts. Dr. Roshanida A. Rahman, Dean Research Alliance (Health & Wellness), UTM
0930 – 0940 hrs	Introduction to IBA by Prof. Dr. Ashok Pandey, Chief Executive of IBA, India
0940 – 0950 hrs	Officiating speech by Prof. Datuk Ts. Dr. Ahmad Fauzi bin Ismail, Vice-Chancellor of UTM
0950 – 0955 hrs	Official Video Montage Presentation for IBA-SUMBio22
0955 – 1000 hrs	Official Photography Session for Opening Session
1000 – 1050 hrs	Plenary Speech: Prof. Dr. Huu Hao Ngo (UTS, Australia) <i>Enhancement of Fermentative Biohydrogen Production from Biowastes</i> (Chairperson: Assoc. Prof. Dr. Zainul Akmar bin Zakaria)
1050 – 1100 hrs	Coffee break
1100 – 1140 hrs	Keynote 1: Prof. Dr. Lam Su Shiung (UMT, Malaysia) <i>Sustainable CO₂ Capture via Adsorption by Chitosan-based Functional Biomaterial Derived: A Review on Recent Advances, Challenges and Future Prospects</i> (Chairperson: Dr. Nur Izyan Wan Azelee)
1140 – 1220 hrs	Keynote 2: 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	Topic 1: Biological/ Hydrothermal/ Chemical Processing of Biomass (Chairperson: Dr. Mohd Helmi Sani)	Topic 2: Water and Wastewater treatment (Chairperson: Assoc. Prof. Ir. Dr. Dayang Norulfairuz Abang Zaidel)
Webex link	https://utm.webex.com/utm/j.php?MTID=m637099a13849066ab9976bb80f764008	https://utm.webex.com/utm/j.php?MTID=mae2ec29ac7524f09e473efaa6c26d4c9
1400 – 1430 hrs	Invited Speaker IS-01: Dr. Ratna Dewi Kusumaningtyas (UNNES, Indonesia) <i>Biomass Conversion into Biopellet Fuel and the Potential Application as Alternative Energy</i>	Invited Speaker IS-03: Prof. Dr. Datta Madamwar (Charotar University of Science and Technology, India) <i>Cynobacterial Phycobiliproteins: Structural and Therapeutic Science</i>
1430 – 1500 hrs	Invited Speaker IS-02: 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>	Invited Speaker IS-04: 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	(V002) Ms. Nurfadhila Nasya Ramlee <i>Immobilization of Candidarugosa Lipase on Magnesium Oxide-aluminum Oxide Pellet Via Covalent Bonding</i>	(V006) Dr. Rozidaini Mohd Ghazi <i>Removal of Crystal Violet Dye using Rubber-Based Hydrogel</i>
1515 – 1530 hrs	(V003) Ms. Nur Izati Ibrahim <i>Optimization and Quality Determination of Fish Oil Produced from Catfish Waste (Gut) Via Heat Extraction through Response Surface Methodology</i>	(V009) Ms. Intan Nur Athirah Daud <i>Screening for the Best Delignification Condition of Banana Peels by Ozonation Pre-Treatment</i>
1530 – 1545 hrs	(V012) Dr. Amal M. Elgharbawy <i>Clean Extraction of Pectin from Fruit Peels Using Deep Eutectic Solvents and Ionic Liquids</i>	(V010) Ms. Khirtana Murugesu <i>Endocrine Disrupting Compounds Removal from Wastewater using Oxidoreductase Enzymes: Short Review</i>
1545 – 1600 hrs	(V019) Lee Xin Yi <i>Silver Nanoparticles Synthesis Using Banana Peels Extract and Its In Silico Evaluation for Staphylococcus aureus Antibacterial Activity</i>	(V030) Zhang Jianhui <i>Biosorption and Bioaccumulation of Heavy Metals by Purple Non-Sulphur Bacteria Isolated from Activated Sludge</i>
1600 – 1615 hrs	(V022) Ms. Siti Hasyimah Suhaimi <i>Rosmarinic Acid-Rich Fraction Induces Apoptosis on Prostate Cancer Cell Line</i>	(V032) Dr. Liew Wai Loan <i>Environmental Considerations Allied with the Application and Aerobic Operation of the Fluidized Bed Biofilm Reactor (FBR)</i>

1615 – 1630 hrs	Q & A session	Q & A session
1630 hrs	End of Day 1 (for UTM as host)	

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DAY 2 - 9 AUGUST 2022		
Time	Event	
	BREAKOUT ROOM 3	BREAKOUT ROOM 4
0900 – 1230 hrs	Topic 3: Food Biotechnology and Product Development (Chairperson: Dr. Nur Izyan Wan Azelee)	Topic 4: Natural Products (Chairperson: Dr. Nor Hasmaliana Abdul Manas)
Webex link	https://utm.webex.com/utm/j.php?MTID=m202d7f6883cd24bfbb2823101939e8ac	https://utm.webex.com/utm/j.php?MTID=m8e4589fe55880a3b41f1d6f2cefbc9e2
0900 – 0940 hrs	Keynote 3: Dra. Lilia Arely Prado Barragan (UAM, Mexico) <i>By-products of the Fruit Industry, a Gold Link in the Circular Economy</i>	Keynote 4: Dra. 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	Invited Speaker IS-05: Prof. Dr. Julián Rafael Dib (Universidad Nacional de Tucumán, Argentina) <i>Postharvest Fungal Diseases in Citrus: Native Yeasts as Biocontrol Solutions</i>	Invited Speaker IS-07: 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	Invited Speaker IS-06: 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>	Invited Speaker IS-08: 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	(V004) Lee Chia Hau <i>Production of Protein Concentrate from Edible Bird's Nest as an Alternative Nutraceutical Protein Source</i>	(V001) Ho Pei Yi <i>Cytotoxicity and Antioxidant Properties of Sauropus androgynous towards K562 Leukaemia Cells</i>
1100 – 1115 hrs	(V017) Nor Azizah Mohammad <i>Combined Homogenization Methods for Improved Physical Stability and</i>	(V005) Mirdawati Mashudin <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	(V018) Ms. Farah Atiah Nazarudin <i>Evaluation of Pineapple Powder Properties Using Spray Drying and Foam Mat Drying</i>	(V011) Ms. Nagainthini Maniarasu <i>Optimisation of Rosmarinic Acid Rich Fraction from Orthosiphon Stamineus for Skin Regeneration</i>
1130 – 1145 hrs	(V024) Foong Yin Ling <i>Effects of Drying Methods and Extraction Solvents Towards the Antioxidant Activity of Morus alba Leaves Extracts</i>	(V023) Kek Jazz Yee <i>Antibacterial Properties of Green Silver Nanoparticles using Banana Peels Extract Loaded on Zeolite Clinoptilolite</i>
1145 – 1200 hrs	(V025) Ms. Noor Hazwani Salleh <i>Optimization of Spray Drying Parameters for The Microencapsulation of Edible Bird's Nest Co-Product Hydrolysate</i>	(V026) Mr. Mohd Amir Asyraf Mohd Hamzah <i>Cytotoxicity and Wound Healing Activity of Phenolic-Rich Pyroligneous Acid Fraction Obtained from Palm Kernel Shell</i>
1200 – 1215 hrs	(VX024) Ms. Florencia Isabel Chacón <i>Native Yeasts as Biocontrol Agents Against Gray Mold in Blueberries</i>	(V027) Mr. Mohd Khairul Hafiz Idris <i>Ethanollic Extract of Acalypha indica Interferes the Growth of Obesity Hormone Leptin-Induced Colon Cancer Cells</i>
1215 – 1230 hrs	Q & A session	Q & A session
1230 – 1400 hrs	Lunch break	
Time	Event	
	BREAKOUT ROOM 5	BREAKOUT ROOM 6
1400 – 1700 hrs	Topic 5: Soil and Land Reclamation/ Treatment (Chairperson: Dr. Myzairah Hamdzah)	Topic 6: Bio-business and Entrepreneurship (Chairperson: Dr. Aishah Rosli)
Webex link	https://utm.webex.com/utm/j.php?MTID=mbc52ca0c6b93ea79e514ba6b7c7150b0	https://utm.webex.com/utm/j.php?MTID=mfc7993ff1fc8d7b71b7e4cf6bcf75f9e
1400 – 1440 hrs	Keynote 5: Prof. Evans Chirwa (UP, South Africa) <i>Biological Analogues in Advanced Water Treatment and Ecosystem Remediation from Toxic Wastes</i>	Keynote 6: Dr. Debora Campos (AgroGrIN TECH, Portugal) How to leverage from scientific knowledge to the create a business idea: practical case study
1440 – 1510 hrs	Invited Speaker IS-09: 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>	Invited Speaker IS-11: 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	Invited Speaker IS-10: 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>	Invited Speaker IS-12: Dr. Mariam Firdhaus binti Mad Nordin (UTM, Malaysia) <i>HALEA & NatXtract: Quality Products Start from Quality Extraction</i>
1540 – 1555 hrs	(V007) Ms. Nur Elia Aqila Abu Rahim <i>Remazol Dye Removal from Aqueous Solution by Rice Husk-Based Organic Porous Materials: Adsorption Kinetics Study</i>	(V015) Ms. Sumita Thiyagarajan <i>Characteristics of Composite Scaffold (Chitosan-Gelatin-Carbonate Appetite) Based on Limestone</i>
1555 – 1610 hrs	(V008) Ms. Norsyafiqah Amalina Ahmad Jafri <i>Adsorption Kinetics of Immobilized Laccase on Magnetically-Separable Hierarchically-Ordered Mesocellular Mesoporous Silica</i>	(V020) Ms. Rahimah Sabtu <i>Formulation and Characterization of Basil Oil-Loaded Nanostructured Lipid Carrier by D-Optimal Mixture Design</i>
1610 – 1625 hrs	(V028) Dr. Krasindh Hangsapreurke <i>Enhancing Spotted Babylon Broodstock Production with Natural and Formulated Feeds</i>	(VX004) Ms. Boitumelo Francina Mashangoane <i>Cell Surface Display of Platinum Binding Peptides on <i>Saccharomyces cerevisiae</i> EBY100 cells using the α-agglutinin Anchor System Developed for the Biosorption of Pt (IV)</i>
1625 – 1640 hrs	(V029) Sabarikirishwaran Ponnambalam <i>Impact of Extraction Solvents on Photoconversion Ability of Natural Dyes from <i>Sandoricum koetjape</i> and <i>Syzygium samarangense</i></i>	Q & A session
1640 – 1700 hrs	Q & A session	
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	Topic 7: Biochar and Biochemicals (Chairperson: Ts. Dr. Lee Ting Hun)	Topic 8: On-site Demonstration/ Community Engagement (Chairperson: Dr. Hasrinah Hasbullah)	Topic 9: Biodegradable Materials (Chairperson: Ts. Dr. Rosnani Hasham)
Webex link	https://utm.webex.com/utm/j.php?MTID=mab7291496ccce420df7609105d275ca8	https://utm.webex.com/utm/j.php?MTID=mc5be03b8ba29545fee60224ced811e88	https://utm.webex.com/utm/j.php?MTID=m7d403178911014f706aaa61052f75172
0900 – 0940 hrs	Keynote 7: Prof Cheng Di Dong (NKUST, Taiwan) <i>Remediation of Contaminated Marine Sediments by Biochar and Associated Bacterial Community Composition</i>	Keynote 8: Prof. Dr. Raj Boopathy (Nicholls State Uni, USA) <i>Microbial Mining of Termite Gut Microbiome for Biodegradation of Phenolic Compounds</i>	Keynote 9: Prof. Dr. Ida Idayu Muhamad (UTM, Malaysia) <i>Eco-Design Principles for the Optimization of Biodegradable Polymers as Sustainable Packaging</i>
0940 – 1010 hrs	Invited Speaker IS-13: Dr. Rangabhashiyam Selvasembian (SASTRA Deemed University, India) <i>Potential Application of Biochar in Environmental Protection</i>	Invited Speaker IS-15: Prof. Dr. Divina Amalin (De La Salle University, Philippines) <i>SMART Pest Control System: The Case in the Philippines</i>	Invited Speaker IS-17: 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	Invited Speaker IS-14: Prof. Dr. Lucas Meili (UFAL, Brazil) <i>Influence of the MgAl/LDH Synthesis Method on the Removal of Nitrate from Aqueous Solution</i>	Invited Speaker IS-16: Prof. Dr. Hadiyanto (Diponegoro University, Indonesia) <i>Microplastic Degradation in Aquatic System: Identification and Removal Method</i>	(V013) Ms. Nor Nadia Mohd Zakaria <i>Immobilization of Recombinant Escherichia coli on Hollow Fiber Membrane as Whole Cell Biocatalyst</i> (15 min)
1040 – 1055 hrs	(V021) Ms. Mona Mohammed Al-Malki <i>Date Palm Biomass as a Sustainable Commodity for High Porosity Biochar Production to Remove</i>	(V014) Mr. Zulhasni Abdul Rahim <i>The Hydrogen Fuel Cell Industrial Based Technology Revolution and Intervention</i>	(VX001) Mr. Fabian Andres Veliz de la Vega <i>Hydrogen Production Enhancement using a ΔpSOL1 Mutant of a Degenerate Strain of the</i>

	<i>Pollutants in Agricultural Water</i>	<i>Using Theory of Inventive Problem Solving (TRIZ)</i>	<i>Anaerobic Microorganism Clostridium acetobutylicum</i>
1055 - 1110 hrs	(V031) Ms. Nurul Shahira Mohd Sabri <i>Permeable and antifouling PSf-Cys-CuO Ultrafiltration Membrane for Separation of Biological Macromolecules Proteins from Aqueous Solution</i>	(VX002) Mr. Jimmy Anderson Martínez Ruano <i>Comparative Analysis of the Production of Organic Acids and Alcohols Through Fermentation and Electro-Fermentation using Anaerobic Bacteria</i>	Q & A session
1110 - 1125 hrs	Q & A session	Q & A session	
1125 - 1130 hrs	Coffee Break		
CLOSING CEREMONY			
Webex link	https://utm.webex.com/utm/j.php?MTID=mb2cd286081d4f7fee836382c93f829d8		
1130 - 1140 hrs	Closing Remarks by Prof. Cristobal Aguilar Gonzalez, UADEC, Mexico, General Chair IBA-SUMBio22 (2230 - 2240 hrs, 9 Aug 22 Mexican time)		
1140 - 1155 hrs	Award Presentation by Dra. Monica Lizeth Chavez Gonzalez (UADEC, Mexico) (2240 - 2255 hrs, 9 Aug 22 Mexican time)		
1155 - 1210 hrs	Official Closing Ceremony of IBA-SUMBio22 by Ing. Jesus Salvador Hernandez Velez (Rector of UADEC) (2255 - 2310 hrs, 9 Aug 22 Mexican time)		
1210 - 1225 hrs	Speech and Closing Remarks 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)		

Notes:

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