

**34<sup>th</sup> Annual Meeting of the Thai Society for Biotechnology and International Conference (TSB 2022)**  
**“Sustainable Bioeconomy : Challenges and Opportunities” 24 – 25 November 2022 at Ambassador Hotel Bangkok**

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**Wednesday 23 November 2022**

Time	Activities
13.00-16.30	Registration opens at Convention Hall Foyer, 1 <sup>st</sup> Floor, Ambassador Hotel Bangkok
	Poster presenters set-up posters
	Oral presenters submit presentation file(s)

**Thursday 24 November 2022**

Time	Activities
8.00-9.00	Registration at Convention Hall Foyer, Ambassador Hotel Bangkok
9.00-9.30	Opening ceremony: Convention Hall B-C , 1 <sup>st</sup> Floor
	- Welcoming Speech: Prof. Dr. Penjit Srinophakun, President of Thai Society for Biotechnology
	- TSB2022 International Conference Summary Report: Asst. Prof. Dr. Niyom Kamlangdee, Chair of the TSB2022 Organizing Committee B18
	- Opening Speech: Assoc. Prof. Dr. Suvit Tia, the President of King Mongkut's University of Technology Thonburi
9.30-10.00	Keynote Speaker 1: Convention Hall B-C , 1 <sup>st</sup> Floor
	KS1: Prof. Dr. Kohsuke Honda, Osaka University, Japan
	" <i>In Vitro</i> Reconstitution of Synthetic Metabolic Pathway using Thermophilic Enzymes"
10.00-10.30	Keynote Speaker 2: Convention Hall B-C , 1 <sup>st</sup> Floor
	KS2: Prof. Dr. Pimchai Chaiyen, Vidyasirimedhi Institute of Science and Technology, Thailand
	"Enzymes, Biocatalysis and Metabolic Engineering for Sustainability"
10.30-10.45	Break
10.45-12.00	Award-giving and presentation by Ajinomoto Lecture + Taguchi Prize. (Convention Hall B-C , 1 <sup>st</sup> Floor)
12.00-13.30	Lunch (Orchid, 3 <sup>rd</sup> Floor )
13.30-14.00	Poster Session (Posters available for viewing until 18.00)

Oral Presentation	Molecular and Medical Biotechnology (MB)	Industrial and Environmental Biotechnology (IB)	Food Technology and Food Engineering (FF)	Agricultural Biotechnology (AB)	Bioinformatics and Systems Biology (BS)
	Convention Hall D, 1 <sup>st</sup> Floor Chair: Assoc. Prof. Dr. Sharifah Aminah Syed Mohamad	Convention Hall C, 1 <sup>st</sup> Floor Chair: Assoc. Prof. Dr. Chakrit Tachaapaikoon	Lavender 1, 2 <sup>nd</sup> Floor Chair: Assoc. Prof. Dr. Nutta Laohakunjit	Lavender 2, 2 <sup>nd</sup> Floor Chair: Dr. Saengchan Senapin	Lavender 3, 2 <sup>nd</sup> Floor Chair: Dr. Sawanee Sutheworapong
14.00-14.20	MBIS1: Dr. Suparek Borwornpinyo (Mahidol University) "Fingerroot: From Open Innovation Platform for the Discovery of Thai Herbs to Drug Development against COVID19"	IBIS1 : Mr. Keiske Morita (Spiber (Thailand), Ltd.) "Brewed Protein™ : Expanding the Range of Sustainable Materials"	FFIS1 : Assoc. Prof. Dr. Kornkanok Aryusuk (King Mongkut's University of Technology Thonburi) "Potential of Rice Bran Oil By-products as Oleogelator for Structuring Fat with Zero Trans and Low Saturated Fat Content"	ABIS1: Assoc. Prof. Dr. Treenut Saithong (King Mongkut's University of Technology Thonburi) "From Omics Data to Green Innovation in Agriculture: A Prediction of Carbon to Biomass"	BSIS1 : Asst. Prof. Dr. Saowalak Kalapanulak (King Mongkut's University of Technology) "Highlighting the Meaningful of Systems Biology Approach for Deciphering the Complex of Gene regulatory network in plants"
14.20-14.35	MBO01: Assoc. Prof. Dr. Nitnipa Soontornngun (King Mongkut's University of Technology) "Antifungal Agents of Fungal Origin: 19,20-Epoxycytochalasin Q and Sophorolipid"	IBO01: Pattanan Songdech (King Mongkut's University of Technology Thonburi) "Production of Xylolipid as Green Surfactant by the Yeast <i>Meyerozyma guilliermondii</i> "	FFO1: Wanhusnee Che-U-Bong (Kasetsart University) "Physicochemical Properties of Menthol-based Natural Deep Eutectic Solvents and their Capability to Extract Oil from Coconut Residue"	ABIS2: Dr. Yuree Wandee (King Mongkut's University of Technology Thonburi) "Production of Pectin and Pectic-oligosaccharides from Pomelo Peel and Application in Agriculture"	BSIS2: Dr. Pumipat Tongyoo (Kasetsart University) "Utilization of Bioinformatics and Genomics in Tomato Breeding Program"
14.35-14.50	MBO02: Piroonporn Srimongkol (Chulalongkorn University) "Effects of Marine Sulfated Polysaccharides on Antioxidant and Antitumor Activities"	IBO02: Tanawan Triptattanapong (King Mongkut's University of Technology North Bangkok) "Potential of Polyhydroxyalkanoates (PHA) production of <i>Pseudomonas aeruginosa</i> BSE1 and <i>Bacillus megaterium</i> KLS2"	FFO2: Prayut Neamtang (King Mongkut's University of Technology Thonburi ) "Design and Development of Industrial Microwave-Hot Air Rocker Dryer for Drying Grated-Coconut"	ABO1: Jittrawan Thaiprasit (King Mongkut's University of Technology Thonburi) "Cluster-based Method for a Practical Leaf Area Measurement in Cassava Field"	BSO01: Natthaphong Sombutra (King Mongkut's University of Technology Thonburi) "Study of Steffimycin Biosynthetic Gene Cluster Distribution among Marine Actinomycetes and its Molecular Interaction to CDK1 for Anticancer Research"
14.50-15.05	MBO03: Abiodun Ogunsilev (Walailak University) "Purification and Characterization of Antimicrobial Peptides from Soil <i>Brevibacillus</i> sp."	IBO03: Ayyapruk Moungrayoon (Khon Kaen University) "Polyhydroxyalkanoates Production from Cassava Processing Wastes by <i>Paracoccus</i> sp. KKU01 Under High Cell Density Cultivation"			
15.05-15.20		IBO04: Siriwan Khanpanuek (Khon Kaen University) "Ethanol Production from Rice Straw by Simultaneous Saccharification and Co-fermentation (SScF)"			
15.20-15.35	Break				

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	Convention Hall D, 1 <sup>st</sup> Floor Chair: Dr. Suparek Borwornpinyo	Convention Hall C, 1 <sup>st</sup> Floor Chair: Assoc. Prof. Dr. Chakrit Tachaapaikoon	Lavender 1, 2 <sup>nd</sup> Floor Chair: Assoc. Prof. Dr. Nutta Laohakunjit	Lavender 2, 2 <sup>nd</sup> Floor Chair: Assoc. Prof. Dr. Treenut Saithong	Lavender 3, 2 <sup>nd</sup> Floor Chair: Asst. Prof. Dr. Saowalak Kalapanulak
15.35-15.55	<b>MBIS2 : Dr. Nurriza Ab Latif (Universiti Teknologi Malaysia)</b> "Elucidation of Protein Structural Changes using Molecular Dynamic Simulations - study on G6PD Variants of Asian Population"	<b>IBIS2: Prof. Dr. Yu-Kaung Chang (Ming Chi University of Technology)</b> "Catalytic Hydration Reaction and Mineralization of Carbon Dioxide by Immobilized Carbonic Anhydrase"	<b>FFIS2 : Asst. Prof. Dr. Rath Pichyangkura (Chulalongkorn University)</b> Title: TBC	<b>ABIS3 : Dr. Saengchan Senapin (Center of Excellence for Shrimp Molecular Biology and Biotechnology)</b> "Application of Environmental DNA/RNA for Detection of Aquatic Pathogens from Water"	<b>BSIS3: Dr. Sawannee Sutheworapong (Modgut Ltd.)</b> "Gut Microbiota Profiling as A Screening Tool for Disease Prevention and Health Promotion: A Preliminary Survey of Thai People"
15.55-16.10	<b>MBO04: Sompompun Pairoh (Mahidol University)</b> "Enhancing Soluble Expression of Glutamate Decarboxylase through Amino Acid Substitution and Chaperone Co-expression"	<b>IBO05: Tanyaporn Siriwong (Khon Kaen University)</b> "Biorefinery of Sugarcane for L-Lactic Acid and Xylooligosaccharides Production"	<b>FFO4: Ms. Waheni Rizki Aprilia (Suranaree University of Technology)</b> "Production and Characterization of Recombinant <i>Bacillus subtilis</i> Chitosanase-Maltose Binding Protein Fusion (MBP-BsCsnA), Suitable for Bioconversion of Chitosan into Value-added Chitosan-oligosaccharides"	<b>ABIS4: Dr. Sartrawut Tulaphol (King Mongkut's University of Technology Thonburi)</b> "Upcycling Agricultural Waste to Biodegradable Polymers for a Circular Bioeconomy"	<b>BSIS4:Dr. Yotsawat Pomyen (Chulabhorn Research Institute)</b> "Survey of gut microbiome in Thai Hepatocellular Carcinoma and Intraheptic"
16.10-16.25	<b>MBO05: Pichayamon Maharatanawong (Mahidol University)</b> "Extraction and Characterization of Collagen from Tuna Skin and Its Potential Application in Biomedical 3D Scaffolds for Wound Dressing"	<b>IBO06: Chularat Haokok (Khon Kaen University)</b> "Lactic Acid Production by <i>Lactiplantibacillus plantarum</i> and <i>Levilactobacillus brevis</i> under Simultaneous Saccharification and Co-Fermentation"	<b>FFO7: Weerawit Nanhathai (Mahidol University)</b> "Antiglycation and Antioxidant Activities of Fermented Black Mung Bean by <i>Rhizopus oligosporus</i> "	<b>ABO2: Issaraporn Apiwat (King Mongkut's University of Technology Thonburi)</b> "Characterization of Cassava Stem Cutting Quality by Volume Density"	<b>BSO02: Natchaphon Rajudom (King Mongkut's University of Technology Thonburi)</b> "Comparison of Read-Based and Metagenome Assembled Genome-Based Approaches for Characterizing Microbial Taxonomic Profiles in Sulfate-Rich Wastewater Treatment Systems"
16.25-16.40		<b>IBO07: John, Chi-Wei Lan (Yuan Ze University)</b> "The Novel Design of Co-Fermentation System to Produce Bioethanol and Polyhydroxyalkanoates (PHAs) Simultaneously from Brewer's Spent Grain (BSG) Hydrolysate"			
16.40-16.55		<b>IBO08: Thanawat Thanapornisn (Khon Kaen University)</b> "Batch and Repeated-batch Butanol Fermentation from Sweet Sorghum Stem Juice by Immobilized <i>Clostridium beijerinckii</i> TISTR 1461 in Various Bioreactors"			
17.00-18.00	<b>Poster Session (Posters available for viewing until 18.00)</b>				
17.00-18.00	<b>Annual TSB Meeting (Lavender 3, 2<sup>nd</sup> Floor)</b>				
18.00-21.00	<b>Dinner and Flag-Giving Ceremony, Representative from KMUTT, TSB and SUT (Convention A &amp; B, 1<sup>st</sup> Floor)</b>				

**Friday 25 November 2022**

Time	Activities
8.00-9.00	<b>Registration at Convention Hall Foyer, Ambassador Hotel Bangkok</b>
9.00-9.30	<b>Keynote Speaker 3: Convention Hall C , 1<sup>st</sup> Floor</b>
	<b>KS3: Prof. Dr. Tavan Janvilisri, Mahidol University,</b> "Alternative Therapeutics to Tackle AMR Pathogens (ATTACK-AMR): A Case of <i>Clostridioides difficile</i> "
9.30-10.00	<b>Keynote Speaker 4: Convention Hall C , 1<sup>st</sup> Floor</b>
	<b>KS4: Prof. Dr. Soottawat Benjakul, Prince of Songkla University, Thailand</b> "Collagen and Hydrolyzed Collagen from Fish Skin: Process Development and Bioactivities"
10.00-10.15	<b>Break</b>

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Oral Presentation	Molecular and Medical Biotechnology (MB)	Industrial and Environmental Biotechnology (IB)	AOAC session	Agricultural Biotechnology (AB)	Bioinformatics and Systems Biology (BS)
	Lavender 1, 2 <sup>nd</sup> Floor Chair: Dr. Nurriza Ab Latif	Convention Hall C, 1 <sup>st</sup> Floor Chair: Assoc. Prof. Dr. Chakrit Tachaapaikoon	Convention Hall D, 1 <sup>st</sup> Floor Chair: Assoc. Prof. Pravate Tuitemwong and Dr. Songsirin Ruengvisesh	Lavender 2, 2 <sup>nd</sup> Floor Chair: Dr. Saengchan Senapin	Lavender 3, 2 <sup>nd</sup> Floor Chair: Asst. Prof. Dr. Marasri Ruengjitchachawalya
10.15-10.35	<b>MBIS3 : Assoc. Prof. Dr. Choowong Auesukaree (Mahidol University)</b> "Molecular Mechanisms of Yeast Adaptive Responses and Tolerances to Fermentation Stresses and Implications for Bioethanol production"	<b>IBIS3 Assoc. Prof. Yoshihiro Ojima (Osaka Metropolitan University)</b> "Recovery of Metal Ions and Mineralization by Biosorption onto Phosphorylated Dry Baker's Yeast"	<b>FFIS3 : Mr. Visit Limlurcha (The Federation of Thai Industries)</b> "Food Safety Regulatory: Effects on Food Testing Methods in Thailand"	<b>ABIS5: Asst. Prof. Dr. Pongsak Khunrare (King Mongkut's University of Technology Thonburi)</b> "How to Make Xylanase a Super Xylanase"	<b>BSIS5 : Dr. Yaowaluck Maprang Roshom (King Mongkut's University of Technology Thonburi)</b> "Immunoinformatics-aided Identification of B-cell Epitopes on the Proteins of SARS-CoV-2 and Other Important Viruses"
10.35-10.50	<b>MBIS4: Assoc. Prof. Dr. Sharifah Aminah Syed Mohamad (Universiti Teknologi Malaysia)</b> "Elucidation of The Role of Intestinal Enterocytes on the Adhesion and Invasion of <i>Salmonella enterica</i> "	<b>IBIS4: Prof. Dr. Jo-Shu Chang (National Cheng Kung University)</b> "Microalgae-based Wastewater Treatment and Circular Economy"	<b>FFIS4: Assoc. Prof. Ryan R. Hansen (Kansas State University)</b> "Bioactive, Stimulus Responsive Polymer Interfaces for Bacteria Capture and Isolation"	<b>ABIS6: Asst. Prof. Hataikarn Lekakarn (Thammasat University)</b> "Exploring Biocatalysts for Starch and Cassava Pulp Saccharification"	<b>BSIS6 : Dr. Piroon Jenjaroenpun (Mahidol University)</b> "Advantages of using Nanopore Sequencing in Bacterial Genomic Epidemiology and Antimicrobial Resistance (AMR) in Thailand"
10.50-11.05	<b>MBO06: Patiphan Khunti (Chulalongkorn University)</b> "Isolation and Purification of Bacteriophages Specific to Uropathogenic <i>Escherichia coli</i> Strains"	<b>IBO09: Chalida Daengbussadee (Khon Kaen University)</b> "Butanol Production from Sweet Sorghum Stem Juice by Co-culture of <i>Clostridium beijerinckii</i> and Aerobic Bacterium in Low-cost Bioreactors"	<b>FFIS5: Kumud Kushwaha (Merck Life Science Pvt Ltd.)</b> "Food Safety Regulatory Landscape & Rapid Test Kits Technology and Trends"	<b>ABO3: Ahmad Nuruddin Khoiri (King Mongkut's University of Technology Thonburi)</b> "A Community-Based Screening for Targeting Plant Growth-Promoting Bacteria from the Sugarcane Microbiome"	<b>BSIS7 : Dr. Thidathip Wongsurawat (Mahidol University)</b> "Nanopore Technology for Improving End-User Trust in the Quality and Safety of Probiotic Products"
11.05-11.20	<b>MBO07: Amorn Pangjantuk (Suranaree University of Technology)</b> "Alginate Hydrogel Supports the 3D Culture System for Cell Survival and Cell Proliferation in Human Mesenchymal Stem Cells"	<b>IBO10: Yu-Shen Cheng (National Yunlin University of Science and Technology)</b> "Development of Mycelium-based Biocomposite from Soybean Pulp and Spent Tea Leave"	<b>FFIS6: Mr. Olaf Degen (Bruker Daltonics)</b> "Rapid Identification of Bacteria, Yeast and Molds Starting from Colony Material with the MALDI Biotyper"		<b>BSO03: Dr. Tanaporn Uengwetwanit (National Science and Technology Development Agency)</b> "Using Metagenomic to Guide Protein Engineering"
11.20-11.35	<b>MBO08: Manutsawee Thanaburakorn (Mahidol University)</b> "An <i>In Vivo</i> Selection System for the Directed Evolution of Transcription Factor-Based Biosensors"	<b>IBO11: Hsu Myat Thar (King Mongkut's University of Technology Thonburi)</b> "The Role of Magnesium and Calcium Ions on Light Emission of <i>Vibrio campbellii</i> RMT1 and Glowing on <i>Episcia lilacina</i> "	<b>Internal activity of AOAC by Assoc. Prof. Pravate Tuitemwong</b>		
11.35-11.50		<b>IBO12: Natthirathip Kanyahud (King Mongkut's University of Technology North Bangkok)</b> "Potential of Dual Chamber Microbial Fuel Cell for Sulfide Removal and Electricity Generation"			
12.00-13.30	<b>Lunch (Orchid, 3<sup>rd</sup> Floor)</b>				
Oral Presentation	Molecular and Medical Biotechnology (MB)	Industrial and Environmental Biotechnology (IB)	Food Technology and Food Engineering (FF)	Agricultural Biotechnology (AB)	TSB-SBJ Joint Session Unique Biomolecules and Biomaterials for Well-being Society -Case Studies in Japan and Thailand-
	Lavender 1, 2 <sup>nd</sup> Floor Chair: Asst. Prof. Dr. Kanokwan Poomputsa	Convention Hall C, 1 <sup>st</sup> Floor Chair : Prof. Dr. Vilai Rungsardthong	Convention Hall D, 1 <sup>st</sup> Floor Chair: Assoc. Prof. Dr. Worapot Suntornasuk	Lavender 2, 2 <sup>nd</sup> Floor Chair: Assoc. Prof. Dr. Ratchaneewan Aunpad	Lavender 3, 2 <sup>nd</sup> Floor Chair: Assoc. Prof. Dr. Yoshihiro Ojima / Asst. Prof. Nujarin Jongruja
13.30-13.50	<b>MBIS5 : Asst. Prof. Dr. Benchaporn Lertanantawong (Mahidol University)</b> "Multiplexed DNA Sensing of 3 Enteropathogens: An Approach by Small RNA-Rolling Circle Amplification"	<b>IBIS5 : Assoc. Prof. Dr. Onruthai Pinyakong (Chulalongkorn University)</b> "Synthetic Bacterial Consortia for Sustainable Bioremediation"	<b>FFIS7 : Dr. Kingduean Somjit (Department of Fisheries)</b> "Future Opportunities and Developments in Blue Bioeconomy of Fisheries Industry"	<b>ABIS7 : Dr. Antonio Roberto Gomes de Farias (Mae Fah Luang University)</b> "Application of Microbial and Microbiome Technology for Crop Improvement and Sustainable Agriculture"	<b>Asst Prof. Dr. Nujarin Jongruja (King Mongkut's University of Technology Thonburi)</b> "Feather Waste Degradation by Hyperthermostable Enzyme"
13.50-14.05	<b>MBIS6 : Asst. Prof. Dr. Thana Sutthibutpong (King Mongkut's University of Technology)</b> "Biophysical Interpretation of Protein Engineering and Evolution by Molecular Modelling and Network Topology Analysis"	<b>IBO13: Kallayanee Naloka (Chulalongkorn University)</b> "Evaluation of Defined Consortium in Biodegradation of Hydrocarbons Applicable for Bioremediation under Climate Change Scenarios"	<b>FFO5: Nalinnipa Niwatthanakul (King Mongkut's University of Technology North Bangkok)</b> "Effect of Ultrasound-assisted Washing of Salted Jellyfish ( <i>Leptorhina smithii</i> ) on Quality of Desalinated Jellyfish Protein Powder"	<b>ABIS8: Dr. Benjarat Bunternngsook (National Science and Technology Development Agency)</b> "Designing Glycoside Hydrolases and Auxiliary Enzymes for Lignocellulosic Agricultural Biomass Valorization"	<b>Prof. Dr. Kohsuke Honda (Osaka University, Japan)</b> " <i>In Vitro</i> Reconstitution of Non-oxidative Glycolysis and Its Application to Chemical Synthesis"
14.05-14.20	<b>MBO09: Chotima Thanamanon (King Mongkut's University of Technology)</b> "Development of DNAzyme Functionalized Magnetic Particles-Based Colorimetric Biosensor for Onsite Lead Ion Detection"	<b>IBO14: Adisan Rungsahiranrut (Chulalongkorn University)</b> "Indigenous Bacterial Community Responses to the Contamination of Plasticizers from Plastic Wastes in Landfill"		<b>ABO04: Pattamawan Boonpis (Mahidol University)</b> "Characterization of Potential Probiotic Microbes with Antimicrobial Activity Against <i>Salmonella</i> sp."	<b>Dr. Surisa Suwannarangsee (National Science and Technology Development Agency)</b> "Yeast Cell Surface Engineering Strategy for Valuable Biochemical Production"

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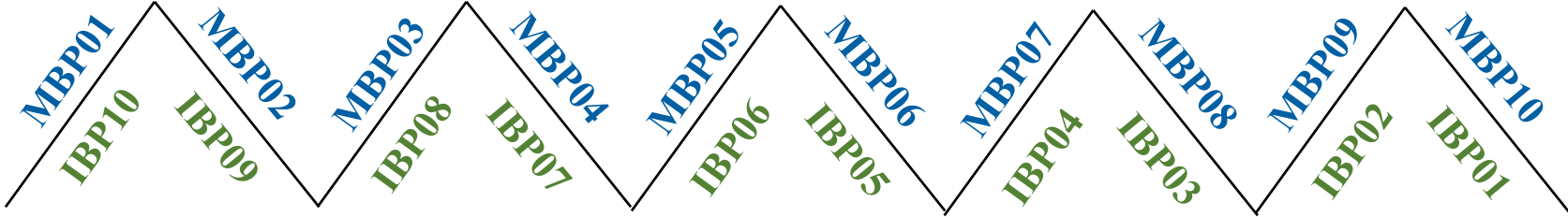
	<b>Molecular and Medical Biotechnology (MB)</b>	<b>Industrial and Environmental Biotechnology (IB)</b>	<b>Food Technology and Food Engineering (FF)</b>	<b>Agricultural Biotechnology (AB)</b>	<b>TSB-SBJ Joint Session Unique Biomolecules and Biomaterials for Well-being Society -Case Studies in Japan and Thailand-</b>
	<b>Lavender 1, 2<sup>nd</sup> Floor</b> <b>Chair: Asst. Prof. Dr. Kanokwan Poomputsa</b>	<b>Convention Hall C, 1<sup>st</sup> Floor</b> <b>Chair : Prof. Dr. Vilai Rungsardthong</b>	<b>Convention Hall D, 1<sup>st</sup> Floor</b> <b>Chair: Assoc. Prof. Dr. Worapat Suntornsuk</b>	<b>Lavender 2, 2<sup>nd</sup> Floor</b> <b>Chair: Assoc. Prof. Dr. Ratchaneewan Aunpad</b>	<b>Lavender 3, 2<sup>nd</sup> Floor</b> <b>Chair: Assoc. Prof. Dr. Yoshihiro Ojima / Asst. Prof. Nujarin Jongruja</b>
14.20-14.35	MBO10: Syazwani Itri Amran (Universiti Teknologi Malaysia) "Evaluating Mutation-Induced Structural Instability of Glucose-6-Phosphate-Dehydrogenase Variants Using Molecular Dynamics Simulation"	IBO15: Chanokporn Muangchinda (Chulalongkorn University) "Biodegradation of Petroleum-based Plastic Low-density Polyethylene by a Mixed Cultures of Hydrocarbon-degrading Bacteria"			<b>Dr. Nalinpat Jaruwathanthanath (PTT Public Company Limited)</b> "Natural Products for Well-being Society"
14.35-14.50		IBO16: Santi Nokyod (King Mongkut's University of Technology Thonburi) "Isolation and Application of Effective Microorganisms in Decomposition and Removal of Oil Spills from Industrial"			<b>Assoc Prof. Dr. Yoshihiro Ojima (Osaka Metropolitan University)</b> "Outer Membrane Vesicles of <i>Escherichia coli</i> and Its Application to the Biotechnology Field"
14.50-15.05	<b>Break</b>				
<b>Oral Presentation</b>		<b>Industrial and Environmental Biotechnology (IB)</b> <b>Convention Hall C, 1<sup>st</sup> Floor</b> <b>Chair: Assoc. Prof. Dr. Onruthai Pinyakong</b>	<b>Food Technology and Food Engineering (FF)</b> <b>Convention Hall D, 1<sup>st</sup> Floor</b> <b>Chair: Assoc. Prof. Dr. Worapat Suntornsuk</b>	<b>Agricultural Biotechnology (AB)</b> <b>Lavender 2, 2<sup>nd</sup> Floor</b> <b>Chair: Dr. Antonio Roberto Gomes de Farias</b>	
15.05-15.25		<b>IBIS6 : Prof. Dr. Vilai Rungsardthong (King Mongkut's University of Technology North Bangkok)</b> "Micro/ Nanoencapsulation of Bioactive Compounds/ Fragrances for Food, and Functional Fabric Applications"	<b>FFIS8 : Dr. Pattra Maneesin (Thailand Institute of Scientific and Technological Research)</b> "Biodegradable & Compostable Plastics: Research, Development, Standard and Testing"	<b>ABIS9 : Assoc. Prof. Dr. Ratchaneewan Aunpad (Thammasat University)</b> "Value-Added Protein Hydrolysate and Peptide from Agricultural Waste"	
15.25-15.40		IBO17: Noppamas Chantawan (Khon Kaen University) "Biohydrogen Production from Cassava Processing Wastes: Effects of Inoculum Size on Hydrogen Yield and Fermentation Kinetics"	FFO6: Wei Chieh Liao (Assumption University) "Physico-chemical Change of Mangosteen Peel Kombucha During Fermentation"	ABO05: Ekachai Taowkrue (King Mongkut's University of Technology Thonburi) "Optimization of Sophorolipid Production in the Yeast <i>Candida riidocensis</i> via Response Surface Methodology"	
15.40-15.55		IBO18: Yanika Boonyuang (Maejo University) "The Potential of Biogas Production from Elephant Dung with Chicken Manure Sludge Inoculum"	FFO3: Chayphatra Sooklim (King Mongkut's University of Technology Thonburi) "Proteomic Profile of Novel <i>Saccharomyces cerevisiae</i> RSO4 Strain on Hom Mali Rice Fermentation"	IBO20: Phonsini Ngamnurak (Khon Kaen University) "Selection of Anaerobic Bacterial Consortium Capable of Producing Hydrogen via Lactate-fermentation Pathway"	
15.55-16.10		IBO19: Preeya Kritthiraput (Maejo University) "Biogas Production Potential from Black Soldier Fly Larvae Washing Process Wastewater"			
16.30-17.00	<b>Prize Giving : Convention Hall C , 1<sup>st</sup> Floor</b> <b>Closing Ceremony: Dr. Parinya Sa Ngiamsunthorn, Representative of Acting Dean of Faculty of Science, KMUTT</b>				

# แผนผังตำแหน่งโปสเตอร์ในงาน TSB 2022

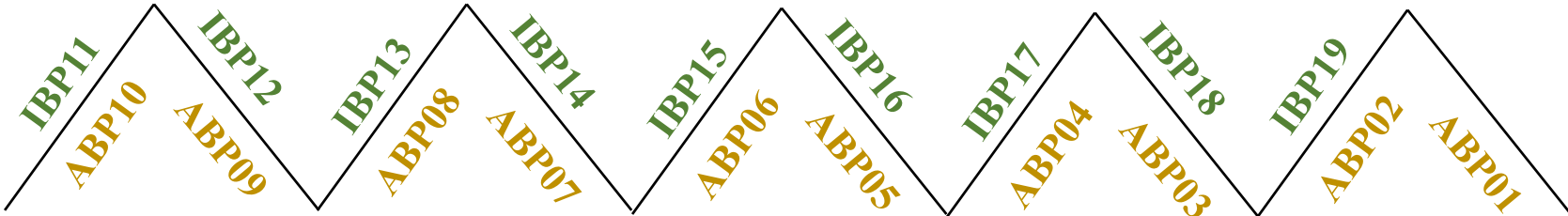


CONVENTION HALL B

LINE 1



LINE 2



LINE 3





# PERSONAL DATA PROTECTION ACT (PDPA)

We request participants' permission to take photographs and videos for use in the preparation of public relations materials for dissemination through various channels, including print media, online media, or video clips and other official and unofficial media of the university at all levels.

If you do not wish to disclose your personal information (name, photo, video), please inform the coordinator, Asst.Prof. Dr. Rarisara Impaprasert at 02 470 8887, 092 265 1685 or email [tsb2022@kmutt.ac.th](mailto:tsb2022@kmutt.ac.th).