



# Day 1

## Day 1 Bangkok International Trade & Exhibition Centre (BITEC) (11 September)

Room : MR212 - MR213

Start time	End time	Time (h:m)	Session	Topic
8:00 AM	9:00 AM	1:00:00	Registration	
9:00 AM	9:30 AM	0:30:00	Welcome speech : Mr. Anucha Parnpichate (VNU Senior Project Manager) Opening : Assoc. Prof. Chuenchit Boonchird (President Thai Society for Biotechnology)	
9:30 AM	10:00 AM	0:30:00	Key-I (Prof. Manop Suphantharika)	Muti-Product Isolation, Characterization and Application of Spent Brewer's Yeast.
10:00 AM	10:30 AM	0:30:00	Key-II (Prof. Hyung Joon Cha)	Innovative Adhesive Protein Biomaterial for Effective Tissue Regeneration.
10:30 AM	10:50 AM	0:20:00	Break	
10:50 AM	11:20 AM	0:30:00	Key-III (Prof. Yu-Chen Hu)	Smart CRISPR Designs for Tissue Regeneration.
11:20 AM	11:50 AM	0:30:00	Key-IV (Dr.Kobkul Laoteng)	Game Changing Solution for Future Food.
11:50 AM	1:00 PM	1:10:00	Lunch	

## Day 1 Bangkok International Trade & Exhibition Centre (BITEC) (11 September) Room : MR212

Room MR212						
Start time	End time	Time (h:m)	Session	Code	Speaker	Topic
1:00 PM	1:20 PM	0:20:00	<b>Tissue Engineering and Biomaterials</b>	IV-01	Assoc. Prof. Ruedee Hemstapat	Tissue Engineering for Musculoskeletal Regeneration: Pre-Clinical Disease Modeling.
1:20 PM	1:30 PM	0:10:00		TE-01	Aifa Asyhira Khairul Nizam	The Effect of Gelatin-Palmitoyl-GDPH Based Bioinks on Primary Human Dermal Fibroblasts: Via 3D Bioprinting Technology.
1:30 PM	1:40 PM	0:10:00		TE-02	Nurul Ain Zawawi	The Effect of Multifunctional Adhesive Hydrogel Patches Incorporated with Plant Extracts in Cell-Induced Dermatitis Treatment.
1:40 PM	1:50 PM	0:10:00		TE-03	Raniya Razif	Gelatin-Based Biomaterial Ink Incorporated with Natural Active Compounds for Chronic Wound Healing.
1:50 PM	2:00 PM	0:10:00		TE-04	Tithteeya Rattanachot	The Feasibility of Hybrid Hydrogel Hyaluronic Acid-Gelatin Fortified with the Human Dermal Fibroblast Secretome for Wound Healing.
2:00 PM	2:10 PM	0:10:00		TE-05	Suvisit Jitrotejanaruk	Synthesis of Gelatin-based Nanocomposite Scaffold Empowered by Hydroxyapatite/Cellulose Nanofibrils for Bone Tissue Engineering.
2:10 PM	2:20 PM	0:10:00		TE-06	Sumalee Ponchana	3D Printing of Polycaprolactone/Hydroxyapatite Composite for Meniscus Tissue Engineering.
2:20 PM	2:40 PM	0:20:00	<b>Break</b>			
2:40 PM	3:00 PM	0:20:00	<b>Biopharmaceutical and Medical Biotechnology</b>	IV-02	Asst. Prof. Adisak Romsang	Unraveling Host-Mediated Stress Responsive Mechanisms in <i>Pseudomonas aeruginosa</i> : Insights from Genetics to Applications in Biotechnology.
3:00 PM	3:10 PM	0:10:00		BM-01	Dailamee Wanso	Flow Cytometry Analysis of Peripheral Blood Mononuclear from Local Advanced Cervical Cancer Treated with Concurrent Chemoradiation Therapy.
3:10 PM	3:20 PM	0:10:00		BM-02	Channa Jayasekara	Antimicrobial Efficacy of Sophorolipid-: Addressing <i>Candida albicans</i> Biofilm Formation and Antimicrobial Resistance.
3:20 PM	3:30 PM	0:10:00		BM-03	Sanattapon Kongtaveesombat	Formulation of Bio-Based Acne Gel Using Bacterial Cellulose Nanofibril and Mangosteen ( <i>Garcinia mangostana</i> ) Extract.
3:30 PM	3:40 PM	0:10:00		BM-04	Chutimon Tang-iad	Functional Analysis of <i>Pseudomonas aeruginosa</i> Frataxin-Liked Protein During High Metal Stress.
3:40 PM	3:50 PM	0:10:00		BM-05	Satanapron Lamkom	Ben-cha-lo-ka-wi-chian Plays Role as an Immunomodulator in Healthy Volunteers: Double-Blinded Randomized-Controlled Trial.
3:50 PM	4:00 PM	0:10:00		BM-06	Asawin Meechai	Effective Feeding Strategy to Enhance Cell Productivity in HEK293.2sus Fed-batch Cultures.

## Day 1 Bangkok International Trade & Exhibition Centre (BITEC) (11 September) Room : MR213

Room MR213						
Start time	End time	Time (h:m)	Session	Code	Speaker	Topic
1:00 PM	1:20 PM	0:20:00	<b>Applied Microbiology</b>	IV-03	Assoc. Prof. Rujikan Nasanit	Bacteriophages for Controlling <i>Escherichia coli</i> and <i>Salmonella</i> Causing Diseases in Swine.
1:20 PM	1:40 PM	0:20:00		IV-04	Assoc. Prof. Wanwipa Vongsangnak	Systems Biology in Fungal Research: From Sequence to Science.
1:40 PM	1:50 PM	0:10:00		AM-01	Pitchaya Lawan	Use of Probiotic Supplemented in Chicken Feed as Alternative to Antibiotics to Promote Health and Prevent Infection in Broiler Chicken.
1:50 PM	2:00 PM	0:10:00		AM-02	Nuttarin Jenpuntarat	Unlocking the Potential of <i>Bacillus</i> Isolates from Mangrove and Wastewater Sources for Efficient PET Plastic Degradation.
2:00 PM	2:10 PM	0:10:00		AM-03	Nuttaporn Emthomya	Screening Marine Actinomycetes for Potential Anticancer Agents.
2:10 PM	2:20 PM	0:10:00		AM-04	Pacharapon Phoopanih	Study on the Adhesion Ability of <i>Lactobacillus reuteri</i> EBI-03 to Intestinal Epithelial Caco-2 Cells and Its Potential Probiotic Characteristics.
2:20 PM	2:30 PM	0:10:00		AM-05	Punpraporn Hassaprab	Isolation and Characterization of Polyhydroxyalkanoates (PHAs)-Producing Bacteria from Soil for the Production of Polyhydroxybutyrate (PHB) Using Chicken Fat Waste as a Carbon Source.
2:30 PM	2:50 PM	0:20:00	<b>Break</b>			
2:50 PM	3:00 PM	0:10:00	<b>Agricultural and Food Biotechnology</b>	AF-01	Samira Salifu	Metabolic and Physiological Responses of Mung Bean Nodules to High Light Stress.
3:00 PM	3:10 PM	0:10:00		AF-02	Jeeraporn Kansup	Variety Identification within the Group of CMD-Resistant Cassava Varieties Used in Thailand by SSR and EST-SSR Molecular Markers.
3:10 PM	3:20 PM	0:10:00		AF-03	Pongsakorn Kruaweangmol	Metabolic and Proteomic Responses of Rubber Seedlings to Exogenous Salicylic Acid Treatment for Plant Growth Promotion.
3:20 PM	3:30 PM	0:10:00		AF-04	Chanyanuch Noidee	Investigation of Optimized Microbial Oligofructans Production by <i>Bacillus subtilis</i> TISTR 001 Using Response Surface Methodology.
3:30 PM	3:40 PM	0:10:00		AF-05	Weerasak Pitaksaringkarn	Random Examination of Gene Edited High-Oleic Acid Soybean of Soybean-Containing Products Using Polymerase Chain Reaction and Lateral Flow Immuno-Chromatographic Strip Techniques.
3:40 PM	3:50 PM	0:10:00		AF-06	Teerarat Likitwattanasade	Production of Duckweed ( <i>Wolffia arrhiza</i> ) Protein Hydrolysates Via Spray-Drying and Freeze-Drying and Their Bioactivities During <i>In Vitro</i> Gastrointestinal Digestion.



# Day 2

## Day 2 Bangkok International Trade & Exhibition Centre (BITEC) (12 September)

Room : MR212 - MR213

Start time	End time	Time (h:m)	Session	Topic
8:00 AM	9:00 AM	1:00:00	Registration	
9:00 AM	9:30 AM	0:30:00	Ke-V (Prof. Kunal Pal)	Development of an AI-Enabled Chemometric Device for Spoilage Monitoring Applications.
9:30 AM	10:00 AM	0:30:00	Key-VI (Prof. Mohd Fauzi MH Busra)	Conventional Biomaterials to Bioconvergence Technology: From Bench to Bedside Experience.
10:00 AM	10:20 AM	0:20:00	Break	
10:20 AM	10:50 AM	0:30:00	Key-VII (Prof. Nuttha Thongchul)	Precision Fermentation – State of Art in Process Scale Up.
10:50 AM	11:10 AM	0:20:00	IV-05 (Assoc. Prof. Ching-Yi Chen)	Fluorinated Micelles for Improving the Efficacy of Photodynamic Therapy Under Hypoxic Conditions.
11:10 AM	11:25 AM	0:15:00	Speaker : Vachanont Tangsatianpan Speaker : Yici Lin	Go Big with Innovative Bioprocess Technology Integration.
11:25 AM	11:40 AM	0:15:00	Speaker: Sudkhate Molthathong	Drug Development on Model Organism by Confocal DLS Powered by AIVIA AI Analysis.
11:40 AM	1:00 PM	1:20:00	Lunch	

## Day 2 Bangkok International Trade & Exhibition Centre (BITEC) (12 September) Room : MR212

Room MR212						
Start time	End time	Time (h:m)	Session	Code	Speaker	Topic
1:00 PM	1:20 PM	0:20:00	<b>Molecular Biotechnology and Nanobiotechnology &amp; Other related areas</b>	IV-06	Assoc. Prof. Kanlaya Katewongsa	Nanotechnology for Sustainability: Stabilizing and Enhancing Anticancer Properties of Food Waste Extracts.
1:20 PM	1:30 PM	0:10:00		MBNO-01	Siraprapa Boobphahom	Graphene Oxide-Alginate Colorimetric Hydrogel Sensor Integrated with Diaper for Alzheimer's Disease Screening Via Cysteine Detection in Urine.
1:30 PM	1:40 PM	0:10:00		MBNO-02	Sirawich Sapsirisuk	Improvement of Sophorolipids Production from <i>Starmerella riodesensis</i> GT-SL1R Strain Under High Carbon-to-Nitrogen Ratio.
1:40 PM	1:50 PM	0:10:00		MBNO-03	Saharit Wijitpittayanon	Investigation of <i>Pseudomonas aeruginosa patA</i> Encoded Polyamine-Associated Transporter Function in Defense Against Oxidative Stress.
1:50 PM	2:00 PM	0:10:00		MBNO-04	Thasanporn Sangsukiam	Characterization of Mung Bean Concentrate-Fortified Butterfly Pea ( <i>Clitoria Ternatea</i> (L.)) Jelly with Lime.
2:00 PM	2:10 PM	0:10:00		MBNO-05	Tunyakarn Parinsaram	Effect of Chitosan Concentration on Physicochemical Properties of Silk Fibroin Electrospun Nanofibers.
2:10 PM	2:30 PM	0:20:00	<b>Break</b>			
2:30 PM	2:50 PM	0:20:00	<b>Bioenergy, Biorefinery and Environmental Biotechnology</b>	IV-07	Dr.Warinthorn Songkasiri	Implementing the Sustainable Bioenergy Solution in Agro-and Food Industry.
2:50 PM	3:10 PM	0:20:00		IV-08	Dr.Thitiya Boonpratuang	The Potential of Thai Mushrooms as a Viable Source of Active Compounds for Food or Medication.
3:10 PM	3:20 PM	0:10:00		BBE-01	Intira Khumthong	Hydrogen Peroxide Enhance Degradation of Plastics Wastes.
3:20 PM	3:30 PM	0:10:00		BBE-02	Ketsaraporn Ngaopok	Utilization of Low-Cost Sugar by <i>Priestia Megaterium</i> ASL11 for the Production of Polyhydroxybutyrate (PHB).
3:30 PM	3:40 PM	0:10:00		BBE-03	Jidapha Tinoi	Characteristics and Biological Properties of Lignin from Longan Peel and Its Application as a Sunscreen Ingredient.
3:40 PM	3:50 PM	0:10:00		BBE-04	Rattanaorn Phongsri	Use of Dried Spent Yeast from Ethanol Production Plant as Nitrogen Supplement in Ethanol Production from Sweet Sorghum Stem Juice Under Very High Gravity Condition.
3:50 PM	4:00 PM	0:10:00	BBE-05	Naiyasit Yingkamhaeng	Extraction of Mitragynine from Kratom's Leaves Using Deep Eutectic Solvents.	
4:00 PM	4:30 PM	0:30:00	<b>Closing ceremony</b>			

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Room MR213						
Start time	End time	Time (h:m)	Session	Code	Speaker	Topic
1:00 PM	1:20 PM	0:20:00	<b>Agricultural and Food Biotechnology</b>	IV09	Assoc. Prof. Kitiya Vongkamjan Aurand	Bacteriophage Applications for Promoting Food Safety and Animal Health.
1:20 PM	1:30 PM	0:10:00		AF-07	Korawit Sengsod	Smart Self-Cleaning Biofilter with Innovative Water Flow Design for Ornamental Fish Aquarium.
1:30 PM	1:40 PM	0:10:00		AF-08	Thanaphiphat Korwatcharaphong	Antimicrobial Activity Against Food-Borne Pathogens and Genome Analysis of Bacteriocin-Producing Lactic Acid Bacteria from Shrimp Paste (ka-pi).
1:40 PM	1:50 PM	0:10:00		AF-09	Thanawan Uopasai	Genetic Variation of Myogenic Factor 5 (Myf5) in Broiler and Thai Native Crossbred Chickens.
1:50 PM	2:00 PM	0:10:00		AF-10	Phasucha Onsri	Amino Acid Composition and Antioxidant Activity of Protein Extract from <i>Lemna aequinoctialis</i>
2:00 PM	2:20 PM	0:20:00	Break			
4:00 PM	4:30 PM	0:30:00	Closing ceremony (MR212)			