



Day 1 (22nd February 2022)

Time	Tentative Program*
08:00 - 09:00	Registration
09:00 – 09:10	Opening speech
09:10 – 09:15	Welcoming speech
09:15 – 09:55	Keynote by Prof. Dr. Hiroshi Nabetani , Faculty of Food and Nutrition, Tokyo Kasei University, Japan <i>Title: Food Research for Achievement of Sustainable Development Goals (SDGs)(Pre-recorded)</i>
09:55 – 10:35	Keynote by Prof. Dr. Sheng Zhou , Shanghai Academy of Agricultural Sciences, China <i>Title: Methane emissions from paddy fields and innovative mitigation technologies (Pre-recorded)</i>
10:35 – 12:30	Session I (Chaired by Ts. Dr. Cheng Kian Kai)
10:35 – 10:50	“ <i>Optimization of extraction parameter for antioxidant from Pandanus amaryllifolius by response surface methodology</i> ” by Mr. Vijehy A/L Balakrishnan , Institute of Bioproduct Development, Universiti Teknologi Malaysia
10:50 - 11:05	“ <i>The scavenging activity of encapsulated EBN hydrolysates using different combination of polysaccharides as wall material by spray drying</i> ” by Ms. Noor Hazwani Salleh , Universiti Teknologi Malaysia
11:05 - 11:20	“ <i>Phytochemicals from Beilschmiedia Species (Lauraceae) and their Potential Biological Activities for Future Drug Development</i> ” by invited speaker Dr. Wan Mohd Nuzul Hakimi Wan Salleh , Department of Chemistry, Faculty of Science and Mathematics, Universiti Pendidikan Sultan Idris, Malaysia

**Subject to change*



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11:20 – 11:35	“ <i>Phytochemicals from Piper caninum as potential inhibitors against dengue NS2B-NS3 protease enzyme</i> ” by Ms. Nur Farhana Binti Mustafa , Universiti Teknologi Malaysia
11:35 – 11:50	“ <i>Bioactive compounds from Hibiscus rosa-sinensis as potential anti-inflammatory agent</i> ” by Dr. Muhammad Helmi Bin Nadri , Universiti Teknologi Malaysia
11:50 – 12:05	“ <i>Determination of physiochemical characterization and bioactivities of EPS from Lactobacillus sp. with potential nutraceuticals benefit</i> ” by Ms. Aina Nabilah Faizah Binti Ahmad Bustamam , Universiti Teknologi Malaysia
12:05 - 12:20	“ <i>Nutrient density index for vegetables and fruits in Malaysia</i> ”, by Ts. Dr. Nicole Leong Hong Yeng , Universiti Teknologi Malaysia
12:30 – 14:00	Break and poster session
14:00 – 15:30	Session II (Chaired by Dr. Muhammad Helmi Bin Nadri)
14:00 - 14:15	“ <i>Potential use of phytochemical extract as prebiotic compounds</i> ” by Dr. Rosnani Hasham , Universiti Teknologi Malaysia
14:15 - 14:30	“ <i>Metabolomics Study of the Effects of Lipopolysaccharides and Momordica charantia in RAW264.7 Cells</i> ” by Ts. Dr. Cheng Kian Kai , Universiti Teknologi Malaysia
14:30 - 14:45	“ <i>Optimization and Characterization of Crude Hyaluronic Acid Extraction from Eggshell Membrane by Enzymatic Hydrolysis</i> ”, by Ms. Wong Rui Fang , Universiti Teknologi Malaysia

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14:45 – 15:00	<p><i>“The effect of enzymes treatment on the oil yield and squalene content in virgin palm oil using microwave-assisted enzyme aqueous extraction method”</i>, by Ms. Siti Nor Azlina Binti Abd Rashid, Universiti Teknologi Malaysia</p>
15:15 - 15:30	<p><i>“Anti-obesity property of saponins rich fraction of Momordica charantia”</i> by Ms. Nurul Dalila Binti Abdul Rahim, Universiti Teknologi Malaysia Pagoh</p>
15:30 – 16:10	<p>Keynote by Prof. Dr. Hab Jiří Jaromír KLEMEŠ, Centre of Excellence “Sustainable Process Integration Laboratory – SPIL”, NETME Centre, Faculty of Mechanical Engineering, Brno University of Technology - VUT Brno, Czech Republic.</p> <p><i>Title: Smart Agriculture Challenges to Reduce Environmental Footprints: Towards Smart and Precision Agriculture</i></p>
16:10	End of session

**Subject to change*



Day 2 (23 February 2022)

Time	Tentative Program*
08:00 - 09:00	Registration
09:00 – 09:40	Keynote by Dr. Kamolchanok Umnajkitikorn , School of Crop Production Technology, Institute of Agricultural Technology, Suranaree University of Technology, Thailand <i>Title: Various methods in delaying stress induced-senescence in crop plants (live)</i>
09:40 -10:20	Keynote by Prof. Dr. Kazuei Ishii , Graduate School of Engineering, Hokkaido University, Japan <i>Title: The Current Situation of biomass utilization for agriculture in Japan (live)</i>
10:20 – 12:30	Session I (Chaired by Ts. Dr. Nor Zalina Othman)
10.20 – 10:35	“An Experience on implementation of Leaf Color Chart (LCC) Apps on paddy field in Malaysia”, by Ms. Raudah Binti Talib , Department of Agriculture, Malaysia
10:35 – 10:50	“Application of Deep learning in Precision Agriculture: Technology and Trends” by invited speaker Assoc Prof Dr Mohd Fauzi Othman , Malaysia- Japan International Institute of Technology (MJIIT), Universiti Teknologi Malaysia
10:50 - 11:05	“EM technology in Sustainable Agriculture” by invited speaker Mr. Jeff Tai , Zenxin Agriculture Malaysia

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11:05 - 11:20	<i>"Marine genetic resource and bioprospecting of Gamat as the truly Malaysian natural heritage"</i> by invited speaker Ts. Gs. Dr. Kamarul Rahim Bin Kamarudin , Centre of Research for Sustainable Uses of Natural Resources (SUNR), Universiti Tun Hussein Onn Malaysia (UTHM)
11:20 – 11:35	<i>"Syntropic agroforestry: An upgrade for agroforestry in Malaysia towards sustainable development"</i> , by Mr. Wan Mohd Ridhwan Bin Wan Mohd Hanizan , Malaysia-Japan International Institute of Technology, Universiti Teknologi Malaysia
11:35 - 11:50	<i>"Different Microbial Inoculum on The Spent Mushroom Medium Composting"</i> by Dr. Siti Nazrah Binti Zailani , Universiti Malaysia Perlis
11:50 - 12:05	<i>"Mutualistic relationship is a critical factor for microbial coexistence"</i> by Dr. Abd Rahman Jabir Bin Mohd Din , Universiti Teknologi Malaysia
12:30 – 14:00	Break and poster session
14:00 – 15:30	Session II (Chaired by Ts. Dr. Nicole Leong Hong Yeng)
14:00 - 14:15	<i>"Use of EM technology in intensive shrimp aquaculture: An effective research-based tool to enhance sustainability"</i> by Dr. Gustavo Pinoargote , EM Research Organization Inc., USA
14:15 - 14:30	<i>"Changes in nutrition, enzyme activity and microbial community after fungi residues of Stropharia rugosoannulata addition into soil"</i> , by Dr. Jinjing Zhang , Shanghai Academy of Agricultural Sciences, China

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Time	Tentative Program*
14:30 - 14:45	“Production of GABA-rich shoyu 醤油 using the trio of <i>Aspergillus oryzae</i> , <i>Bacillus cereus</i> and <i>Tetragenococcus halophilus</i> ” by invited speaker Dr. Wan Abd Al-Qadr Imad Bin Wan Mohtar , Institute of Biological Sciences, Faculty of Science, University Malaya, Malaysia
14:45 - 15:00	“Isolation and identification of acetic acid bacteria for single stage fermentation of pineapple juice for vinegar production” by Dr. Nor Zalina Othman , Innovation Centre in Agritechology for Advanced Bioprocessing, Universiti Teknologi Malaysia
15:00 - 15:15	“Development of <i>Monascus pigment</i> via solid state fermentation” by invited speaker Assoc. Prof. Ts. Dr. Farhan binti Mohd Said , Universiti Malaysia Pahang
15:15 – 15:55	Keynote by Prof. Dr. Jean W. H. Yong , Department of Biosystems and Technology, Swedish University of Agricultural Sciences, Alnarp, Sweden <i>Title: Biostimulants and the next Green Renaissance?</i>
16:10	Closing speech and end of session

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