



2nd International Conference on Biotechnology, Smart Farming and Entrepreneurship for Food Security (BioSFE 2025)

October 30 (Thursday) ~ November 1 (Saturday), 2025

International Conference Hall, International Networking Academy, Lantan Campus,
National Chiayi University

Conference Day 1	
October 30, 2025 (Thursday)	
Time	Activity
08:20 - 08:50	Registration
08:50 - 09:30	Opening Ceremony Ceremonial Signing of the MoA Between UiTM and NCYU Group Picture Prof. Han-Chien Lin, President (林翰謙 校長) Prof. Ruey-Shyang Chen, Vice-President (陳瑞祥 副校長) (National Chiayi University, Chiayi City, Taiwan) Prof. Dr. Firdaus Abdullah, Rector (分校校長) (Universiti Teknologi MARA, Sarawak, Malaysia)
09:30 - 10:20	Keynote 1: Innovative strategies in bioprocessing for sustainable food security and safety Ching-Kuan Lin, President & CEO (林景寬 董事長) (Challenge Bioproducts Co., Ltd., Yunlin County, Taiwan)
10:20 - 10:40	Tea Break
10:40 - 11:30	Keynote 2: AgriTalk – Smart farming based on AI and IoT Lifetime Chair Prof. Jason Yi-Bing Lin (林一平 教授) (Department of Computer Science, National Yang Ming Chiao Tung University, Hsinchu City, Taiwan)
11:30 - 12:20	Keynote 3: Smart farming supply chain – Innovations in logistics and sustainable economic impact (Tentative Title) Prof. Dr. Firdaus Abdullah, Rector (分校校長) (Universiti Teknologi MARA, Sarawak, Malaysia)
12:20 - 13:50	Lunch, Prayer Break
13:50 - 14:30	Invited Lecture 1: Entrepreneurship and market strategies in smart farming – Driving sustainable food security (On line; Tentative Title) Prof. Dr. Abang Zainoren bin Abang Abdurahman (教授) (Universiti Teknologi MARA, Sarawak, Malaysia)
14:30 - 15:10	Invited Lecture 2: Technologies promoting perishable exports – Special reference to safe pre- and post-harvest handling Dr. Pathirajage Neville Rohitha Jayashantha Amunugoda, Director (主任) (Food Technology Section, Industrial Technology Institute, Malabe, Sri Lanka)
15:10 - 15:30	Tea Break



15:30 - 16:10	Invited Lecture 3: pH-responsive nanoparticle carriers for the encapsulation of phycocyanin and their application in health food products Prof. Cheng-I Lee (李政怡 教授) (Department of Biomedical Sciences, National Chung Cheng University, Chiayi County, Taiwan)
16:10 - 16:50	Invited Lecture 4: Food security issues in Asia Prof. Dr. Paul Teng, Senior Consultant/Food Security Adviser (資深顧問/食品安全顧問) (National Institute of Education International Pte. Ltd./Centre for Non-Traditional Security Studies, Nanyang Technological University, Singapore)
16:50 - 17:30	Invited Lecture 5: Recipes for bright eyesight – Research and application of Chinese medicine in ocular diseases Prof. Shun-Ping Huang (黃舜平 教授) (Department of Biochemical Science and Technology, National Chiayi University, Chiayi City, Taiwan)

Conference Day 2	
October 31, 2025 (Friday)	
Time	Activity
09:00 - 09:40	Invited Lecture 6: Biotechnology of bee products – Innovative applications for smart farming and sustainable food security (Tentative Title) Prof. Peng Chi-Chung, Dean (彭及忠 院長) (College of Liberal Arts and Sciences, National Formosa University, Yunlin County, Taiwan)
09:40 - 10:20	Invited Lecture 7: The revival of probiotic drink and functional food for healthy ageing society Assoc. Prof. Dr. Nitnipa Soontornngun (副教授) (School of Bioresources and Technology, King Mongkut's University of Technology, Bangkok, Thailand)
10:20 - 10:40	Tea Break
10:40 - 11:20	Invited Lecture 8: Harnessing tempeh-based fermentation for sustainable meat alternatives (Tentative Title) Assoc. Prof. Dr. Rachma Wikandari (副教授) (Department of Food and Agriculture Products Technology, Gadjah Mada University, Yogyakarta, Indonesia)
11:20 - 12:20	Taiwan Functional Plant Innovation and Green Extraction Applications: Industry-Academia Results Showcase at BioSFE2025 Prof. Cheng-Nan Chen (陳政男 教授) (Department of Biochemical Science and Technology, National Chiayi University, Chiayi City, Taiwan)
12:20 - 13:50	Lunch and Prayer Break
13:50 - 14:40	Poster Presentation



Smart Agriculture Forum	
14:40 - 15:00	Special Topic 1: Transforming waste to wealth: Collaborative research on BSFL and functional feed in Sarawak's poultry sector Dr. Ang Chung Huap, Senior Lecturer (洪鐘合 高級講師) (Universiti Teknologi MARA, Sarawak, Malaysia)
15:00 - 15:10	Spotlight 1: Harnessing bamboo biomass: from phytonutrient extraction to enhanced bio-composting via microbial cellulase Assoc. Prof. Dr. Vivien Jong Yi Mian (副教授) (Universiti Teknologi MARA, Sarawak, Malaysia)
15:10 - 15:20	Spotlight 2: Sustainable agricultural value-added proofing – Application of extrusion technology Prof. Jenshinn Lin (林貞信 特聘教授) (Department of Food Science, National Pingtung University of Science and Technology, Pingtung County, Taiwan)
15:20 - 15:40	Discussion Dr. Ang Chung Huap, Senior Lecturer (高級講師) Assoc. Prof. Dr. Vivien Jong Yi Mian (副教授) Prof. Jenshinn Lin (林貞信 特聘教授)
15:40 - 16:00	Tea Break
Biotechnology Forum	
16:00 - 16:20	Special Topic 2: Inhalation of polysaccharides for protection against lung infection – in vitro evidences Dr. Prakash Ekambaranellor, Associate Vice President (副代表) (Guidance Tamil Nadu, India/Taiwan)
16:20 - 16:40	Special Topic 3: Cordyceps cicadae development from traditional medicine to precision medicine Dr. Chin-Chu Chen, General Manager (陳勁初 總經理) (Grape King Bio Ltd., Taoyuan City, Taiwan)
16:40 - 16:50	Spotlight 3: Applications of biological control in smart farming – Enhancing crop health and food security (Tentative Title) Prof. Chaur-Tsuen Lo (羅朝村 教授) (College of Liberal Arts and Sciences, National Formosa University, Yunlin County, Taiwan)
16:50 - 17:10	Discussion Dr. Prakash Ekambaranellor, Associate Vice President (副總經理) Dr. Chin-Chu Chen, General Manager (陳勁初 總經理) Prof. Chaur-Tsuen Lo (羅朝村 教授)
17:10 - 17:40	Closing Ceremony

Conference Day 3	
November 1, 2025 (Saturday)	
Time	Activity
9:00 - 17:00	On-site visits to the Dapumei Precision Machinery Park – Guided by Chiayi County Government (optional)