

The 2nd Asia-Pacific Enzyme Technology Symposium - jointly organized with The 2024 HUS Symposium on Life Science and Biotechnology

On October 25, 2024, the 2nd Asia-Pacific Enzyme Technology Symposium – jointly organized with The 2024 HUS Symposium on Life Science and Biotechnology was held in Hanoi, Vietnam, in collaboration with the Vietnam National University Hanoi University of Science (VNU-HUS). The aim of the symposium was to promote the development of science and technology related to enzyme technologies and biotechnology in the Asia-Pacific region, as well as the development of a circular economy.

The symposium featured 13 lectures from four fields: Advanced technology, industry, food and agriculture, and environmental technology. Posters by VNU-HUS students were also displayed for a total of 34 research presentations. Approximately 30 Vietnamese companies and 234 people from universities and research institutions were in attendance. Many passionate and lively discussions could be heard, further reaffirming the interest in the potential of enzymes and biotechnology.

At this year's symposium, we were honored to be joined by Mr. Duy, Deputy Minister of the Ministry of Science and Technology of Vietnam, and Mr.

Ishikawa, Deputy Head of Mission of the Embassy of Japan in Vietnam. Southeast Asia's ASEAN members have achieved remarkable economic development and each possesses a wealth of biodiversity and superb talent. We believe that holding the symposium in Vietnam, one of the ASEAN countries, will help to promote an exchange of technologies between Japan and Vietnam going forward.

Amano Enzyme will continue to hold symposiums in the Asia-Pacific region and make every effort to further develop the industry and achieve a sustainable society through enzyme technology.



Venue photo



Group photo

Session 1: Advanced Technology

Kiyohiko Igarashi	The University of Tokyo	70 years of debate on enzymatic degradation of cellulose
Nguyen Thi Hong Loan	VNU-HUS	Proteases: an old or new topic for research and application
Pimchai Chaiken	VISTEC	Enzyme Catalysis and Engineering for Green Synthesis and Food Safety

Session 2: Industry

Tomohiro Fujita	CHITOSE GROUP	CHITOSE's Strategies and Implementation in the Bioeconomy Trend
Kazuhiro Furukawa	Amano Enzyme Asia Pacific Co.,Ltd.	World industrial enzymes and Amano specialty enzymes for the circular society

Session 3: Food & Agriculture

Francisco Elegado	University of the Philippines Los Baños	Linamarase-producing lactic acid bacteria for the reduction of toxic cyanogenic glycosides in cassava and bamboo shoots
Siti Aishah Hasbullah	The National University of Malaysia	Development of Biosensor Technology for Environmental and Food Monitoring
Tran Van Tuan	VNU-HUS	Development of food-grade expression systems for recombinant enzyme/protein production in filamentous fungi and medicinal mushrooms
Md. Mahabubur Rahman Talukder	A*STAR	Non-GMO Fungus-Derived Cellulolytic Enzyme Cocktails for Valorizing Agri-Food Sidestreams into Prebiotic, Bioactive Protein, and Functional Lipid

Session 4: Environment & Technology

Do Thi Huyen	Vietnam Academy of Science and Technology	Application of Metagenomic technology in mining lignocellulolytic enzymes and understanding the role of bacterial communities
Kazuhiro Fujiyama	Osaka University	Lipid production using a basidiomycetous yeast, <i>Rhodotorula toruloides</i>
Ahmad Fathoni	BRIN	Fostering an Advanced Biodiversity Utilization Through Structural Biology Collaboration Platform in Indonesia
Nguyen Duc Quang Tien	Hue University	Mutation-enabled thermal stability and functionality boost of expressed recombinant 42 kDa chitinase from <i>Nicotiana benthamiana</i>