



THE INTERNATIONAL JOINT SYMPOSIUM PROGRAM

Biosciences for a Sustainable Future

- **Time:** Friday, December 5, 2025
- **Place:** K Building, Hanoi National University of Education (HNUE)
136 Xuan Thuy Street, Cau Giay, Hanoi City, Vietnam
- **Organizer:** Faculty of Biology, HNUE, Vietnam
- **Co-organizers:** Nara Women's University (NWU, Japan), Gyeongsang National University (GNU, Republic of Korea) and De La Salle University-Dasmariñas (DLSU-D, the Philippines)

Time	Content
7.30-8.00	Registration
8.00-8.10	Introduction
8.10-8.20	Opening Speech Assoc.Prof. Nguyen Van Hien Chairman of the HNUE Council, Chairman of MAB Vietnam
8.20-9.20	Presentation (part 1) Chair: Assoc.Prof. Nguyen Lan Hung Son, HNUE Secretariat: Natsumi Kosugi (PhD student), NWU
8.20-8.40	Biosciences and research collaboration at Hanoi National University of Education Assoc. Prof. Tran Duc Hau, HNUE
8.40-9.00	Biological Sciences in Nara Women's University Prof. Satoshi Kagiwada, NWU
9.00-9.20	Achievement of environmental stress tolerance by developmental plasticity in <i>Arabidopsis</i> Prof. Woo Sik Chung, GNU
9.20-9.40	Discussion
9.40-10.00	Tea Break, Posters
10.00-11.20	Presentation (part 2) Chair: Prof. Satoshi Kagiwada, NWU Secretariat: Dr. Tran Lan Dai, HNUE
10.00-10.20	Community signatures and functional insights: Profiling bacteria in Mega Manila's drinking water resources Dr. Arizaldo E. Castro, DLSU-D
10.20-10.40	The role of N-Linked glycosylation in plant development Prof. Kyun Oh Lee, GNU
10:40-11.00	Mitigating longitudinal sediment-transport discontinuity in dammed river ecosystems: sediment replenishment and benthic macroinvertebrate responses

	Prof. Izumi Katano, NWU
11.00-11.20	Department of Biotechnology and Microbiology - Major research fields in exploring microbial diversity and its application using molecular and metagenomic approaches Assoc.Prof. Tran Thi Thuy, HNUE
11.20-11.40	Discussion
11.40-13.30	Lunch time
13.30-15.10	Presentation (part 3) Chair: Prof. Kyun Oh Lee, GNU Secretariat: Dr. Tran Khanh Van, HNUE
13.30-13.50	The noncontiguous operons structure plays a function in regulation of gene expression of in bacteria Dr. Trieu Anh Trung, HNUE
13.50-14.10	Plant specialized metabolism and synthetic biology for the sustainable future Prof. Moonhyuk Kwon, GNU
14.10-14.30	Squalene overproduction in the yeast <i>Saccharomyces cerevisiae</i> by modifying the cell structure Ayu Joho (PhD student), NWU
14.30-14.50	Phylogeny of the human metapneumovirus (HMPV) and its susceptibility to <i>Coleus amboinicus</i> phytochemicals Maxenne D. Ignacio, DLSU-D
14.50-15.10	Resveratrol enhances resistance to bacterial pathogen through activation of the SA signaling pathway in <i>Arabidopsis</i> Yuqiao Ma (Graduate Student), GNU
15.10-15.30	Tea Break, Posters
15.30-16.45	Presentation (part 4) Chair: Dr. Arizaldo E. Castro, DLSU-D Secretariat: Yuqiao Ma (Graduate Student), GNU
15.30-15.45	Connection between reservoirs and dammed river ecosystems: drifting plankton decreased by filter-feeding functionality Naoko Hara (PhD student), NWU
15.45-16.00	First comprehensive assessment of fish diversity in the Trang An Scenic Landscape Complex, Ninh Binh Province, Vietnam Nguyen Tran Ngoc Mai (PhD student), HNUE
16.00-16.15	Plant-based production of antibody biopharmaceuticals Ha Na Choi (Graduate Student), GNU
16.15-16.30	Estrogen enhances sweet taste preference: Interaction with energy intake regulation and brain reward system Natsumi Kosugi (PhD student), NWU
16.30-16.45	Association between characteristics during the first 1,000 days and stunting in children aged 24-72 months in the Hanoi Old Quarter, Vietnam Nguyen Dung Nhi, Do Tuan Minh (Undergraduate student), HNUE
16.45-17.15	Discussion
17.15	Closing Ceremony