

International Symposium on Sustainable Animal Industry and Biotechnology Applications

Date: November 8-9, 2024

Venue: College of Life Sciences, NCHU

Symposium Agenda

Nov 8 th , 2024	
Time	Programs
09:00-9:30	Registration
09:30-9:40	Opening Remarks: Vice President, Dr. Chuan-Mu Chen, Dept. Life Sciences, NCHU Group Photo
9:40-10:30	Keynote lecture I: Dr. Walter G. Bottje, Center of Excellence for Poultry Science, U. Arkansas Title: Worldwide water scarcity - we are all in it together Chair: Vice President, Dr. Chuan-Mu Chen, Dept. Life Sciences, NCHU
10:30-10:50	Coffee Break
Session I: Feeds and Additives for Sustainable Farming Chair: Dr. Shuen-Ei Chen, Dept. Animal Science, NCHU	
10:50-11:10	Session I: Dr. Yen-Po Chen, Dept. Animal Science, NCHU Title: Novel strategies for selecting probiotic <i>Lactobacillus</i> for the feed of weaned piglets
11:10-11:30	Session I: Dr. Chompunut Lumsangkul, Dept. Animal Science, NCHU Title: Functional feed additive for sustainable poultry production
11:30-11:50	Session I: Dr. Jui-Jen Chang, Trade Wind Biotech Co. Ltd. Title: Application of synthetic biology in the field of nutrition and sustainable agriculture
11:50-13:20	Lunch & Round table discussion (R101)

Session II: Sustainable Animal Health Chair: Dr. Hung-Jen Liu, Institute of Molecular Biology, NCHU	
13:20-14:10	Session II: Dr. Adnan Ali Khalaf Alrubaye, Center of Excellence for Poultry Science, U. Arkansas Title: Developing mitigation measures to reduce the incidence of broiler chickens lameness and improve poultry sustainability
14:10-14:30	Session II: Dr. Kuo-Pin Chuang, Institute of Animal Vaccine Technology, NPUST Title: Therapeutic treatment and virus-like particles vaccine development for companion pigeon circovirus
14:30-14:50	Coffee Break
14:50-15:10	Session II: Dr. Chi-Young Wang, Dept. Veterinary Medicine, NCHU Title: Characterization of the viroporin activity of infectious bronchitis virus as the target for anti-viral therapy
15:10-15:30	Session II: Dr. Wei-Li Hsu, Institute of Microbiology and Public Health, NCHU Title: Development and validation of rapid diagnostic tests for severe fever with thrombocytopenia syndrome virus infection
15:30-15:50	Session II: Dr. Yu-Chan Chao, Dept. Entomology, NCHU Title: Display of influenza virus antigens as useful vaccines and serum-based disease detection
15:50-17:40	Coffee Break & Poster session
18:00-20:00	Dinner (A Chu Duck)

Nov. 9 th , 2024	
Time	Programs
9:30-10:20	Keynote lecture II: Dr. Sami Dridi, Center of Excellence for Poultry Science, U. Arkansas Title: Heat stress and poultry production sustainability: challenges and potential solutions Chair: Dean of the College of Agriculture and Natural Resources, Dr. Chih-Feng Chen, Dept. Animal Science, NCHU
10:20-10:40	Coffee Break
Session III: Sustainable Animal Breeding Chair: Dean of the College of Agriculture and Natural Resources, Dr. Chih-Feng Chen, Dept. Animal Science, NCHU	
10:40-11:30	Session III: Dr. Sara K. Orlowski, Center of Excellence for Poultry Science, U. Arkansas Title: A path to water sustainability: Improving water use efficiency in broilers through genetic selection
11:30-11:50	Session III: Mr. Tsung-Che Tu, Ray Hsing Agriculture Biotech Co. Ltd. Title: Genomic solutions for breeding and conserving Taiwan Country Chicken
11:50-13:20	Lunch
Session IV: Sustainable Application of Biotechnology & Session V: Sustainable Environment & Production Chair: Dr. Pin-Chi Tang, Dept. Animal Science, NCHU	
13:20-13:40	Session IV: Dr. Hsu-Chen Cheng, Dept. Life Sciences, NCHU Title: Novel approach of primordial germ cell isolation and its applications

13:40-14:00	Session V: Dr. Chien-Kai Wang, Dept. Animal Science, NCHU Title: Turning waste into treasure: recycling utilization of animal by-products
14:00-14:20	Session V: Dr. Theerawit Poeikhampha, Faculty of Agriculture, Kasetsart U., Thailand Title: The use of biotechnology in poultry feed and production for sustainability in Thailand
14:20-14:40	Session V: Dr. Yi-Chun Lin, Dept. Animal Science, NCHU Title: Welfare of livestock animals
14:40-15:00	Closing remarks and group photo Dean of College of Agriculture and Natural Resources, Dr. Chih-Feng Chen, Dept. Animal Science, NCHU Group photo

International Workshop on Resilient Poultry Breeding

Date: November 9-10, 2024

Venue: Huisun Forestry Station, NCHU

Workshop Agenda

Nov. 9 th , 2024	
15:30-17:00	15:30~17:00 Transportation(NCHU → Huisun Forestry Station)
17:00-18:30	Room assignment and refreshing up
18:30-20:00	Dinner
20:00-	Free Discussion Faculties from U. Arkansas, Kasetsart University & NCHU Host: Dean of College of Agriculture and Natural Resources, Dr. Chih-Feng Chen, Dept. Animal Science, NCHU
Nov. 10 th , 2024	
06:30-08:00	English Guided tour of the Huisun Forestry Station
8:00-9:00	Breakfast
9:00-10:30	Panel discussion on formulation of an international cooperation platform Faculties from U. Arkansas, Kasetsart University & NCHU Host: Dean of College of Agriculture and Natural Resources, Dr. Chih-Feng Chen, Dept. Animal Science, NCHU Group photo
10:30-13:00	Transportation to Sun-Moon Lake and lunch
13:00-15:30	Boat tour of Sun-Moon Lake and late Lunch
15:30-16:30	Back to NCHU
18:00-	Dinner