

ICAS 2024 – Program Agenda

Date : 08:00 – 17:00, September 28, 2024

Venue : Conference Hall at the Research Laboratory Complex (RLC) – Can Tho University
Campus 2, 3/2 Street, Xuan Khanh Ward, Ninh Kieu District, Can Tho City, Vietnam

Language : English

Time	Content
07:30 - 08:00	Registration
08:00 - 08:10	Welcome Speech
<p><i>Plenary session</i></p> <p><i>Chairman:</i> Prof. Tsutomu Arie Prof. Duong Nguyen Khang</p>	
08:10 - 08:40	<p>Keynote 1: “Impact and control of the transboundary banana wilt pathogen, <i>Fusarium oxysporum</i> f. sp. <i>cubense</i>”</p> <p>Prof. Tsutomu Arie – Tokyo University of Agriculture and Technology</p>
08:40 - 09:10	<p>Keynote 2: "Soil organic matter at the crux of land-based solutions for climate change; A critical examination"</p> <p>Associate Professor Scott Demyan – Ohio state University</p>
09:10 - 09:40	<p>Keynote 3: “Application of CRISPR/Cas systems to enhance biotic and abiotic stress resistance of important crops in Vietnam”</p> <p>Dr. Do Tien Phat – Vietnam academic of Science & Technology, Vietnam</p>
09:40 – 10:00	Tea break
10:00 - 10:30	<p>Keynote 4: “Veterinary Diagnostic Techniques: Where we are now and future trends?”</p> <p>Assistant Professor Kasem Rattanapinyopituk - Faculty of Veterinary Science, Chulalongkorn University</p>

10:30 – 11:00	<p>Keynote 5: “Translating science into policy to shift agriculture toward circular, low-carbon systems with a focus on reducing emissions in animal production” Prof. Duong Nguyen Khang – Nong Lam University</p>
11:00 – 11:30	<p>Keynote 6: “Alternative protein sources for animal feed industry” Mr. Gerry Oude Elferink, Director of Nutrition & support director Poultry in Asia, De Hues Company</p>
11:30 – 12:00	Discussion
12:00 – 13:30	<p>Lunch <i>Venue: College of Agriculture – Can Tho University</i></p>
Session presentation	
13:30 - 17:00	<p><u>Session 1:</u> SOIL HEALTH FOR CLIMATE RESILIENCE AND SUSTAINABLE AGRICULTURE) + <i>Chairman: Assoc. Prof. Tran Van Dzung</i> + <i>Secretary: Assoc. Prof. Nguyen Khoi Nghia</i> + <i>Venue: Room 106 – College of Agriculture, Can Tho University</i></p> <p>PT1: Dynamics and constraints of rice production in Soc Trang province, Vietnamese Mekong Delta <i>Mr. Nguyen Van My - People’s Committee of Chau Thanh District, Soc Trang Province, Vietnam.</i></p> <p>PT2: Effects of organic fertilizers on improvement of soil properties to provide nutrients for organic rice <i>Ms. To Thi Mong Diem – PhD student at Soil Science Faculty, College of Agriculture, Can Tho University, Vietnam.</i></p> <p>PT3: Evaluation of salinity effects on the growth and yield of quinoa, beetroot and maize rotation on saline-affected rice soil -a greenhouse study <i>Ms. Chau Thi Nhien – PhD student at Soil Science Faculty, College of Agriculture, Can Tho University, Vietnam.</i></p> <p>PT4: Potential of crops diversification on saline-affected paddy rice field in the Vietnamese Mekong Delta: Case study in Soc Trang province <i>Ms. Nguyen Ngoc Mong Kha – PhD student at Soil Science Faculty, College of Agriculture, Can Tho University, Vietnam.</i></p>

PT5: Fractionation and remediation of quality components of saline acid-sulfate soil for improved pak choy with combined eco-friendly amendments

Mr. Tung Xuan Tan Nguyen - Institute of Environmental Science, Engineering and Management, Industrial University of Ho Chi Minh, Vietnam.

PT6: Isolation and selection of melanin producing bacteria from agricultural soil for sustainable agricultural development

Mr. Nguyen Huu Thien – College of Agriculture, Can Tho University, Vietnam.

PT7: Balancing yield and emissions: optimizing biochar for rice paddy

Assoc. Prof. Nguyen Thanh Binh – Institute of Environmental Science, Engineering, Management, Industry University of Ho Chi Minh City, Vietnam.

PT8: Options for cropping system intensification in coastal saline Indian Sundarbans deltas: Application of cropping system simulation modelling

Dr. Sukamal Sarkar - Division of Agronomy, School of Agriculture and Rural Development, Ramakrishna Mission Vivekananda Educational and Research Institute, Narendrapur campus, Kolkata, India.

PT9: Soil management for a changing climate; experiences from US Midwest region

Assoc. Prof. M. Scott Demyan - School of Environment and Natural Resources, The Ohio State University. Columbus, Ohio, USA.

Session 2: INTEGRATED PEST MANAGEMENT IN SUSTAINABLE AGRICULTURE

+ *Chairman: Assoc. Prof. Nguyen Thi Thu Nga*

+ *Secretary: Dr. Ho Le Thi*

+ *Venue: B007 Hall – College of Agriculture, Can Tho University*

PT1: Effective knowledge of the mycoviruses for beneficial and effective application

Prof. Hiromitsu Moriyama, Tokyo University of Agriculture and Technology (TUAT)

PT2: Geminivirus diversity and community structure at the scale of agrosystems in Burkina Faso

Dr. Pierre Lefeuvre - Plant Protection Specialist, CIRAD, French

PT3: Application of sex pheromone and EAG-active components in a “push and pull system” to control the damage of the yellow peach moth (*Conogethes punctiferalis*) in the Mekong Delta of Vietnam

Assoc. Prof. Le Van Vang - College of Agriculture, Can Tho University

PT4: Effectiveness of selected rodent management strategies in rice fields of Sri Lanka

Dr. Siriwardana Rampalage Sarathchandra, Post Graduate Institute of Agriculture, University of Peradeniya, Sri Lanka

PT5: Examination of antagonistic bacteria to control *Pythium* sp. caused wilt disease on black pepper (*Piper nigrum* L.)

Assoc. Prof. Nguyen Minh Chon - Institute of Food and Biotechnology, Cantho University

PT6: Identification of endornavirus replication organelles in *Phytophthora cactorum* and analysis of exogenous sterol effects on their replication

Dr. Kohei Sakuta (PD) - Tokyo University of Agriculture and Technology

PT7: Investigation of Mycovirus on *Neoscytalidium dimidiatum* Causing Brown Spot Disease on Dragon Fruit in Vietnam

Ms. Do Thi Hong, Tokyo University of Agriculture and Technology (TUAT)

PT8: Potential effects of *Magnaporthe oryzae* chrysovirus on its host fungicide sensitivity

Dr. Goto Kanji, Tokyo University of Agriculture and Technology

PT9: Biological control of helicopter flower, *Hiptage benghalensis* (Malpighiaceae) in Reunion (France), preliminary studies in Vietnam

Ms. Lam Thi Xuan Mai, Department of Plant Protection, College of Agriculture, Can Tho University

PT10: Integrated pest management (IPM)- a case study of fruit fly management in Khyber Pakhtunkhwa

Dr. Hussain Ali, Directorate of Agriculture Research, Khyber Pakhtunkhwa, Pakistan

Session 3: METABOLIC ALTERATIONS AND GENE REGULATION IN PLANT UNDER STRESS

+ *Chairman: Dr. Nguyen Loc Hien and Assoc. Prof. Pham Phuoc Nhan*

+ *Secretary: Assoc. Prof. Huynh Ky and Dr. Le Minh Ly*

+ *Venue: Meeting room – College of Agriculture, Can Tho University*

PT1: Secondary metabolites, anthocyanin content and identification of genotypes regulating rice grain pigmentation in colored sticky rice varieties

Dr. Pham Thi Be Tu – College of Agriculture, Can Tho University

PT2: Multi-trait genomic prediction for grain yield and zinc content in rice (*oryza sativa* L.)

Dr. Chau Thanh Nha – College of Agriculture, Can Tho University

PT3: Bvaluation of grain quality and anthocyanin content in colored sticky rice varieties for functional rice breeding

Dr. Huynh Nhu Dien – College of Agriculture, Can Tho University

PT4: Assessment of genetic on sweet mustard (*brassica integrifolia* L.)

Mr. Pham Vu Khuong Duy – College of Agriculture, Can Tho University

PT5: IN VITRO CULTURE OF *Nashia inaguensis* Millsp.

Dr. Tran Ngoc Quy - Institute of Food and Biotechnology, Cantho University

PT6: Effects of pre-harvest spray of calcium chloride on yield and fruit quality improvement of Hong mandarin (*Citrus reticulata* Blanco) in Lai Vung district, Dong Thap province

Mr. Trinh Xuan Viet - Dong Thap Community College, Dong Thap Province

PT7: In vitro propagation and evaluation new h1 rose line created from *in vitro* gamma ray ‘lửa’ rose mutation

Ms. Le Nguyen Lan Thanh – Southern Horticultural Research Institute

Session 4: SUSTAINABLE CROP PRODUCTION

+ *Chairman: Prof. Le Vinh Thuc*

+ *Secretary: Dr. La Cao Thang*

+ *Venue: Room 105 – College of Agriculture, Can Tho University*

PT1: Effects of five cucurbitaceae rootstocks on yield, quality, and resistance to fusarium oxysporum-induced wilt disease in melon (*cucumis melo* L.) under greenhouse conditions

Dr. Tran Van Khai - An Giang University, Ho Chi Minh City National University

PT2: Comparative analysis of 5-year and 10-year soursop (*Annona muricata* L.) cultivation models in Phung Hiep district, Hau Giang province, Vietnam: Agronomic practices, Challenges, and Economic potential

Dr. La Cao Thang – College of Agriculture, Can Tho University

PT3: Optimization of Drip Irrigation for Sugarcane Using a Water Balance Model: A Comparative Study of Irrigation Strategies for Different Soil Moisture Levels

Dr. Pennapa Srisawat - Suranaree University of Technology, Thailand

PT4: Survey of biological characteristics of fruit development and physiological disorders of Musang King (*Durio zibethinus* Murr.)

Nguyen Huynh Duong – College of Agriculture, Can Tho University

PT5: Impact of P-solubilizing purple nonsulfur bacteria, *Cereibacter* spp. on soil property, phosphorus uptake, growth and yield of rice grown in acidic saline soil
Le Tien Dat – College of Agriculture, Can Tho University

PT6: Effects of nitrogen-fixing bacteria, *Rhodobacter sphaeroides* S01 and S06 on n uptake, growth and yield of rice grown in saline soil in Tran De-Soc Trang in paddy field

Nguyen Hoang Anh – College of Agriculture, Can Tho University

PT7: Exploring rice varietal diversity to co-design more sustainable rice cropping systems

Dr. Myriam Adam - CIRAD-AGAP Institute, University of Montpellier, France

PT8: Effect of using Terraflow, Humixup, and Ngo Agro Gold on the growth of mustard greens (*Brassica juncea*)"

Vo Thi Minh Thao - Division of Environmental Biotechnology, Biotechnology Center of HCM city

Session 5: NAVIGATING CHALLENGES AND INNOVATIONS IN ANIMAL PRODUCTION FOR SUSTAINABLE AGRICULTURE

+ *Chairman: Prof. Nguyen Trong Ngu*

+ *Secretary: Assoc. Prof. Lam Phuoc Thanh*

+ *Venue: Room 205 – College of Agriculture, Can Tho University*

PT1: Effect of age periods and dietary neutral detergent fiber (NDF) levels on feed intake and nutrient digestibility of Charolais crossbred cattle.

Dr. Nguyen Binh Truong – An Giang Universtiy

PT2: Effects of supplementing tannin and protease on growth performance and meat quality of Japanese quail

Assoc. Prof. Nguyen Thi Kim Khang – College of Agriculture, Can Tho University

PT3: Evaluation of digestibility of starchy and fibrous feedstuffs for pig by in-vitro enzymatic digestion technique

Dr. Ho Thieu Khoi - College of Agriculture, Can Tho University

PT4: Effect of metabolizable energy levels in diets on feed intakes, nutrient digestibility and nitrogen retention of crossbred Boer goats

Dr. Lam Phuoc Thanh - College of Agriculture, Can Tho University

PT5: Toward circular black pig farming from ethnic people community in Binh Phuoc province, Vietnam

Nguyen Thanh Van - Institute of Animal Sciences for Southern Vietnam

PT6: The effect of replacing levels of compound feed by Cowpea bean (Vignamarina) in the diet on the growth of Goat

Dr. Ngo Thi Minh Suong - College of Agriculture, Can Tho University

PT7: Effects of collection frequency on semen characteristics of crossbred buck rabbits (Newzealand white×local)

Dr. Truong Thanh Trung - College of Agriculture, Can Tho University

PT8: Effect of *Saccharomyces cerevisiae* on the quality of fermented jackfruit by-products

Dr. Ho Thanh Tham - College of Agriculture, Can Tho University

PT9: Effect of planting distance on yield, nutritinal content and gas production under in vitro conditions of beach beans (*Vigna marina*)

Dr. Ho Quang Do - College of Agriculture, Can Tho University

Section 6: ADVANCED IMPLICATIONS IN DIAGNOSIS AND TREATMENT OF ANIMAL DISEASES

+ *Chairman: Asst. Prof. Dr. Kasem Rattanapinyopituk*

+ *Secretary: Dr. Nguyen Phuc Khanh*

+ *Venue: Room 206 – College of Agriculture, Can Tho University*

PT1: Prevalence and antibiotic resistance of *Staphylococcus* spp. isolated from goats in can tho city

Dr. Nguyen Khanh Thuan – College of Agriculture, Can Tho University

PT2: Risk factors for foot-and-mouth disease and molecular characteristics of foot-and-mouth disease virus strains in cattle in dong thap province

Dr. Tran Duy Khang – College of Agriculture, Can Tho University

PT3: Immune responses of ring-necked pheasants (*Phasianus colchicus*) to nobilis® newcavac and nobilis® ma5+clone30 vaccine

Nguyen Thanh Binh – College of Agriculture, Can Tho University

PT4: Molecular report based on the f gene of canine distemper virus in dogs in An Giang province

	<p><i>Van My Tien – College of Agriculture, Can Tho University</i></p> <p>PT5: Isolation and characterization of canine bone marrow-derived mesenchymal stem cells in knee cartilage repair. <i>Le Thi Bich Thuy - College of Agricultural Technology, Ho Chi Minh city</i></p> <p>PT6: Study on the effect of time and solvent on the antibacterial activity of garlic extract on <i>Salmonella</i> <i>Nguyen Ho Quang Minh – College of Agriculture, Can Tho University</i></p> <p>PT7: Detection of <i>Ehrlichia canis</i> in dogs in Ho Chi Minh city by diagnostic kit method combined with PCR method <i>Nguyen Thi Lieu Kieu - College of Agricultural Technology, Ho Chi Minh city</i></p> <p>PT8: Clinical lumpy skin disease risk factors in Tien Giang province, Vietnam, in 2023 <i>Vo Tuan Khai Huyen – College of Agriculture, Can Tho University</i></p> <p>PT9: Epidemiological surveillance and genetic characteristics of novel duck reoviruses from Tien Giang province <i>Phan Nhan - Faculty of Applied Biology, Tay Do University</i></p> <p>PT10: Virus isolation and whole genome sequence characterization of canine parvovirus in Vietnam <i>Nguyen Thuy Y Vi – College of Agriculture, Can Tho University</i></p> <p>PT11: Study on the feline anaplasmosis caused by <i>Anaplasma platys</i>. <i>Nguyen Ngoc Huynh Nhu – College of Agriculture, Can Tho University</i></p>
18:00 – 20:00	<p><i>Gala dinner</i> <i>Venue: Ninh Kieu Riverside restaurant - 02 Hai Ba Trung street, Ninh Kieu district, Can Tho city</i></p>