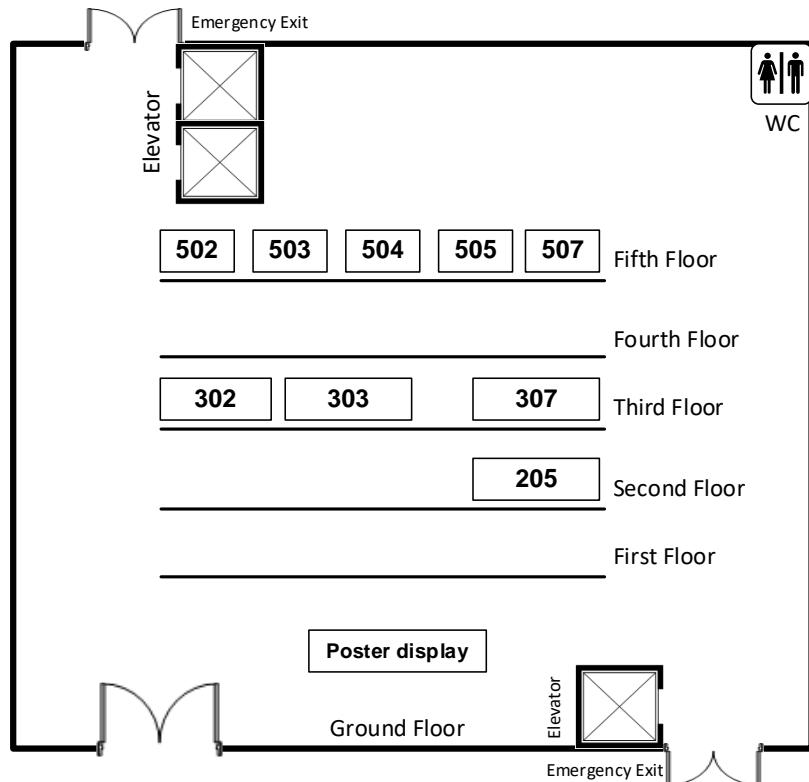


# PROGRAM

**Opening ceremony and Plenary session** Hall PV100, Phuong Vy Building  
**Parallel scientific sessions** Thien Ly Building  
**Poster display** Thien Ly Building

**December 5 – 7, 2024**



**FLOOR PLAN [THIEN LY BUILDING]**

**ORGANIZERS**

TRƯỜNG ĐẠI HỌC NÔNG LÂM TPHCM  
Nong Lam University - Ho Chi Minh City



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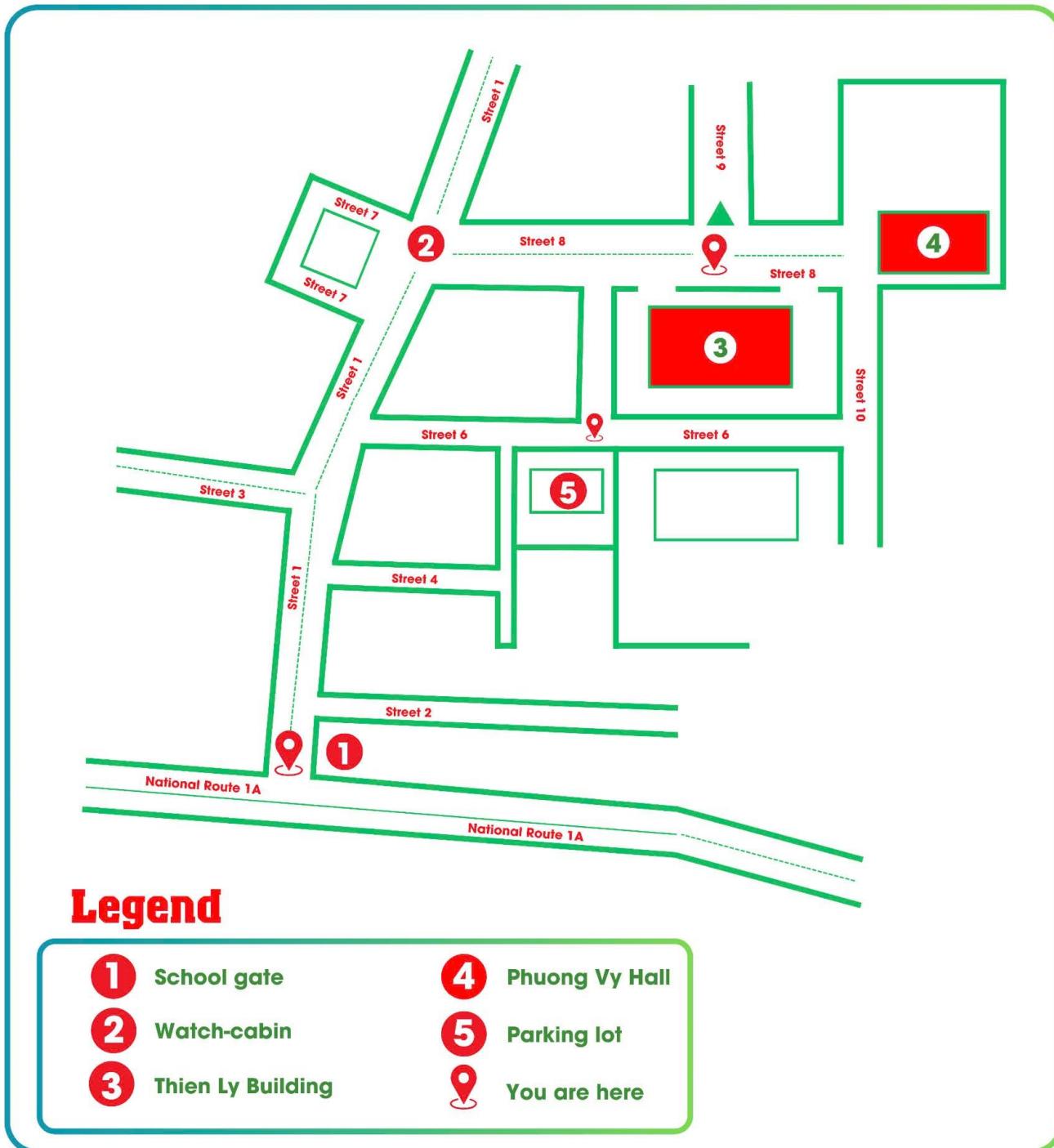


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AgriFoSe  
2030  
SUSTAINABLE  
AGRICULTURE

## DIRECTION MAP

### The 5<sup>th</sup> International Conference on Sustainable Agriculture and Environment (SAE 2024)

**PARTNER UNIVERSITIES**



## PROGRAM AT A GLANCE

**Venue (onsite):** Nong Lam University HCMC  
Quarter 22, Linh Trung Ward, Thu Duc City, HCMC, Vietnam  
Conference date: **December 5 – 7, 2024**

Date	Time	Program
<b>DAY 1</b> December 5, 2024 <b>THURSDAY</b>	13:30 – 16:00	Pre-conference activities: Networking Discussion [ <b>Room 303</b> , Thien Ly Building]
	16:00 – 16:30	Pre-conference activities: Co-organizers' meeting [ <b>Room 303</b> , Thien Ly Building]
<b>DAY 2</b> December 6, 2024 <b>FRIDAY</b>	07:30 – 08:15	Onsite Registration [Hall PV100, Phuong Vy Building]
	<b>08:15 – 08:45</b>	<b>Opening ceremony</b> [Hall PV100, Phuong Vy Building]
	<b>08:45 – 09:45</b>	<b>Plenary with keynote lectures</b>
	09:45 – 10:15	Tea/coffee break
	<b>10:15 – 11:00</b>	<b>Panel Discussion</b>
	<b>11:00 – 12:00</b>	<b>Poster display and presentation</b> [Ground Floor, Thien Ly Building]
	12:00 – 13:00	Lunch time [NLU Hoi Quan Restaurant]
	<b>13:00 – 14:50</b>	<b>Parallel with 7 scientific sessions [1<sup>st</sup> turn]</b> Session 1: [2 <sup>nd</sup> Floor, Thien Ly Building: Room 205] Session 2A, 2B, 3A, 3B: [5 <sup>th</sup> Floor, Thien Ly Building: Room 502, Room 503, Room 504, Room 505] Session 4A,4B: [3 <sup>rd</sup> Floor, Thien Ly Building: Room 307, Room 303]
	14:50 – 15:20	Tea/coffee break <b>Poster display and presentation</b> [Ground Floor, Thien Ly Building]
	<b>15:20 – 16:40</b>	<b>Parallel with 7 scientific sessions [2<sup>nd</sup> turn]</b> Session 1: [2 <sup>nd</sup> Floor, Thien Ly Building: Room 205] Session 2A, 2B, 3A, 3B: [5 <sup>th</sup> Floor, Thien Ly Building: Room 502, Room 503, Room 504, Room 505] Session 4A,4B: [3 <sup>rd</sup> Floor, Thien Ly Building: Room 307, Room 303]
	<b>17:00 – 18:00</b>	<b>Closing ceremony</b> [Room 303, Thien Ly Building]
	18:30 – 20:30	Gala dinner
<b>DAY 3</b> December 7, 2024 <b>SATURDAY</b>	08:30 – 16:30	Field trip to The Can Gio Mangrove Biosphere Reserve, Ho Chi Minh City [ <i>For paid registered delegates only</i> ]



## **DETAILED PROGRAM**

**Venue (onsite):** Nong Lam University HCMC  
*Quarter 22, Linh Trung Ward, Thu Duc City, HCMC, Vietnam*  
**Conference date:** **December 5 – 7, 2024**

## PRE-CONFERENCE ACTIVITIES

## DAY 1: December 5, 2024

<b>DAY 1: December 5, 2024, THURSDAY [Pre-conference activities]</b>		
13:30 – 16:00	Pre-conference activities: <b>NETWORKING DISCUSSION: Fostering dialogue between science, policy and practice toward reducing carbon footprint</b> <b>[Room 303, Thien Ly Building]</b>	Assoc. Prof. Dr. <b>Phan Tai Huan</b> Vice President, Nong Lam University HCMC, Vietnam Dr. <b>Nguyen Ngoc Thuy</b> Nong Lam University HCMC, Vietnam
16:00 – 16:30	Pre-conference activities: Co-organizers' meeting <b>[Room 303, Thien Ly Building]</b>	Assoc. Prof. Dr. <b>Phan Tai Huan</b> Vice President, Nong Lam University HCMC, Vietnam Assoc Prof. Dr. <b>Do Tien Duy</b> Vice Head, Scientific Research Management Office, Nong Lam University – Ho Chi Minh City, Vietnam

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## DETAILED PROGRAM

**Venue (onsite):** Nong Lam University HCMC  
Quarter 22, Linh Trung Ward, Thu Duc City, HCMC, Vietnam  
Conference date: **December 5 – 7, 2024**

## OPENING CEREMONY AND PLENARY SESSION

**DAY 2:** December 6, 2024

**[Onsite/Online]**

<b>DAY 2:</b> December 6, 2024; FRIDAY MORNING [Opening ceremony, Plenary sessions]		
07:30 – 08:30	Onsite Registration	[Hall PV100, Phuong Vy Building]
<b>08:30 – 08:45</b>	<b>Opening ceremony</b>	[Hall PV100, Phuong Vy Building]
<b>Plenary with keynote lectures</b>		
<b>Chair:</b> Assoc Prof. Dr. Phan Tai Huan - Deputy President, Nong Lam University HCMC, Vietnam <b>Co-chair:</b> Prof. Dr. Naoki NISHINO - Okayama University, Japan		
<b>08:45 – 09:15</b>	<b>Keynote 1</b> <i>Topic: Biodiversity in crop production for sustainable agriculture in times of climate change - a soil perspective</i>	Professor. Dr. Sören Thiele-Bruhn Trier University, Germany
<b>09:15 – 09:45</b>	<b>Keynote 2 [ONLINE]</b> <i>Topic: Sustainable Development Goals and gender influences on women entrepreneurs in farming and tourism: Case insights from Thailand and Vietnam</i>	Professor. Dr. Gunjan Saxena Faculty of Business, Law and Politics, University of Hull, United Kingdom
<b>09:45 – 10:15</b>	Tea/coffee break	[Hall PV100, Phuong Vy Building]
<b>PANEL DISCUSSION</b>		
<b>Chair:</b> Assoc Prof. Dr. Phan Tai Huan - Deputy President, Nong Lam University HCMC, Vietnam <b>Co-chair:</b> Prof. Dr. Naoki NISHINO - Okayama University, Japan		
<b>10:15 – 11:00</b>	<b>Green agricultural transition to achieve Sustainable Development Goals</b>	Professor. Dr. Sören Thiele-Bruhn Trier University, Germany Professor. Dr. Gunjan Saxena Faculty of Business, Law and Politics, University of Hull, United Kingdom And invited guess
<b>11:00 – 12:00</b>	<b>Poster display and presentation</b> [Ground Floor, Thien Ly Building]	Assoc Prof. Dr. Nguyen Phu Hoa Head, Scientific Research Management Office, Nong Lam University Ho Chi Minh City, Vietnam
<b>12:00 – 13:00</b>	Lunch time [Hoi Quan Restaurant]	Logistic department Dr. Nguyen Van Cong Chinh



## DETAILED PROGRAM

**Venue (onsite):** Nong Lam University HCMC  
Quarter 22, Linh Trung Ward, Thu Duc City, HCMC, Vietnam  
Conference date: **December 5 – 7, 2024**

### PARALLEL SESSIONS - SESSION 1

**DAY 2:** December 6, 2024

**[Onsite only]**

**DAY 2:** December 6, 2024; FRIDAY AFTERNOON [Parallel sessions]

#### SESSION 1: Social Economics in Sustainable Agriculture

[1<sup>st</sup> turn]: **13:00 – 14:50**

Chair: Assoc Prof. **Katsutoshi OHNAKA**, Faculty of Environmental, Life and Natural Sciences, Okayama University, Japan

Co-chair: Assoc Prof. Dr. **Dang Thanh Ha**, Faculty of Economics, Nong Lam University Ho Chi Minh City, Vietnam

13:00 – 13:30	<b>Invited lecture</b> Flexible immigration and reverse migration: Policies to overcome middle-income trap in Vietnam Professor. <b>Nguyen Trong Hoai</b> Chief editor, Journal of Asian Business and Economics Study, UEH, Ho Chi Minh City, Vietnam
13:30 – 13:50	<b>ORAL 1: [O-101]</b> The role of rice production in sustainable agricultural development in Soc Trang province <i>Nguyen V. My, Dang K. Nhan and Nguyen T. Tam</i>
13:50 – 14:10	ORAL 2: [O-102] Assessing factors affecting the choice of eco-tourism destination in Binh Chau Phuoc Buu nature reserve, Ba Ria -Vung Tau province <i>Pham T. Dung</i>
14:10 – 14:30	ORAL 3: [O-103] Corporate governance factors affecting financial information transparency of listed agricultural companies in Vietnam <i>Le Na, Nguyen L. Quyen, Nguyen T. T. Linh and Nguyen V. Cuong</i>
14:30 – 14:50	ORAL 4: [O-104] Factors influencing farmers' decision to postpone selling coffee bean: A case study in Dak Ha district, Kon Tum province <i>Nguyen V. Cuong, Mai D. Quy, Nguyen N. Dat, and Le Na</i>

**14:50 – 15:20**

**POSTER DISPLAY AND PRESENTATION 2** [Ground Floor, Thien Ly Building]

Tea/coffee break

[2<sup>nd</sup> turn]: **15:20 – 16:40**

Chair: Assoc Prof. **Katsutoshi OHNAKA**, Faculty of Environmental, Life and Natural Sciences, Okayama University, Japan

Co-chair: Assoc Prof. Dr. **Dang Thanh Ha**, Faculty of Economics, Nong Lam University Ho Chi Minh City, Vietnam

15:20 – 15:40	ORAL 5: [O-105] Assessment of groundwater resource pressure according to the water poverty index (WPI) <i>Bui V. Hung, Phan T. M. Duyen and Nguyen N. Diep</i>
15:40 – 16:00	ORAL 6: [O-106] Current situation and solutions to enhance agricultural land-use efficiency in Cai Be district, Tien Giang province <i>Huynh T. Hien, Tran V. Minh</i>
16:00 – 16:20	ORAL 7: [O-107] Analyzing the current status of straw mushroom production in Go Cong Tay district, Tien Giang province <i>Phuong T. T. Ha, Nguyen H. Thu, Nguyen N. Thuy</i>
16:20 – 16:40	ORAL 8: [O-108] Analysis of farmers' agriculture land ownership policy in Indonesia towards sustainable green agriculture <i>Sri Wahyu Handayani, Tawang Gendewa and Hany Setyo Prastowo</i>
<b>17:00 – 18:00</b>	<b>Closing ceremony [Room 303, Thien Ly Building]</b>

*Speakers have 15 minutes to present their presentations and 5 minutes to answer questions*



## DETAILED PROGRAM

**Venue (onsite):** Nong Lam University HCMC  
Quarter 22, Linh Trung Ward, Thu Duc City, HCMC, Vietnam  
Conference date: **December 5 – 7, 2024**

### PARALLEL SESSIONS - SESSION 2

**DAY 2:** December 6, 2024

**[Onsite only]**

**DAY 2:** December 6, 2024; FRIDAY AFTERNOON [Parallel sessions]

**SESSION 2: Adapting Agricultural and Forestry Production to Climate Change**

**SESSION 2A: Adapting Forestry Production to Climate Change**

**[1<sup>st</sup> turn]: 13:00 – 14:50**

Chair: Dr. **Vo Thai Dan**, Faculty of Agronomy, Nong Lam University Ho Chi Minh City, Vietnam  
Co-chair: Professor. Dr. **Sören Thiele-Bruhn**, Department of Soil Science, Trier University, Germany

13:00 – 13:30	<b>Invited lecture</b> Molecular mechanisms underlying the biocontrol activity of <i>allorhizobium vitis</i> Var03-1 against grapevine crown gall <b>Prof. Yoshiteru NOUTOSHI</b> Faculty of Environmental, Life and Natural Sciences, Okayama University, Japan
13:30 – 13:50	<b>ORAL 1: [O-201]</b> A preliminary study on the benefits of urban parks in ho chi minh city using I-Tree <i>Ho L. Tuan, Truong V. Vinh, Pham C. Cuong, La V. H. Ha, Dang H. Phuong, Nguyen T. K. Nuong, Tran H. Hieu</i>
13:50 – 14:10	<b>ORAL 2: [O-202]</b> Potential roles of mangroves in the greener shipping transition <i>Pham H. Tinh, Ngo V. Thao, Pham T. Thuy, Bui T. Thu, Nguyen T. L. Giang</i>
14:10 – 14:30	<b>ORAL 3: [O-203]</b> Assessing the suitability of coffee area in a warming climate over the central highland of Vietnam <i>Hong X. Do, Tu H. Le, Thanh H. Tran and Quyen T. N. Nguyen</i>
14:30 – 14:50	<b>ORAL 4: [O-204]</b> The spread, damage and control of black-head <i>caterpillar opisina arenosella</i> walker in Vietnam <i>Nguyen T. Dat, Nguyen T. M. Thi, Pham P. Duc, Nong H. Quan, Le K. Hoang</i>

**14:50 – 15:20**

**POSTER DISPLAY AND PRESENTATION 2** [Ground Floor, Thien Ly Building]

Tea/coffee break

**[2<sup>nd</sup> turn]: 15:20 – 16:40**

Chair: Professor. Dr. **Sören Thiele-Bruhn**, Department of Soil Science, Trier University, Germany  
Co-chair: Dr. **Vo Thai Dan**, Faculty of Agronomy, Nong Lam University Ho Chi Minh City, Vietnam

15:20 – 15:40	<b>ORAL 5: [O-205]</b> Assessing surface water quality of Vam Co Dong river flowing through Long An
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	province from 2018 to 2023 <i>Thy N.A. Dang, Ngo Vy Thao, Hong X. Do</i>
15:40 – 16:00	ORAL 6: [O-206] CO <sub>2</sub> and CH <sub>4</sub> fluxes at the rice paddy field in Long An province, Mekong Delta <i>Vu H. N. Khue, Le. D. A. Vu, Le T. Son, Bui T. An, Ho Q. Bang, Pham Q. Huong</i>
16:00 – 16:20	ORAL 7: [O-207] Effect of land use, land cover change on land surface temperature in Lac Duong district, Lam Dong province, vietnam <i>Nguyen T. Phuong, Trinh K. Vuong, Tran T. D. Hien, Ton N. T. Trinh, Nguyen T. T. Lan, Nguyen N. Anh</i>
<b>17:00 – 18:00</b>	<b>Closing ceremony [Room 303, Thien Ly Building]</b>

*Speakers have 15 minutes to present their presentations and 5 minutes to answer questions*



## DETAILED PROGRAM

**Venue (onsite):** Nong Lam University HCMC  
*Quarter 22, Linh Trung Ward, Thu Duc City, HCMC, Vietnam*  
**Conference date: December 5 – 7, 2024**

### PARALLEL SESSIONS - SESSION 2

**DAY 2:** December 6, 2024

**[Onsite only]**

**DAY 2:** December 6, 2024; FRIDAY AFTERNOON [Parallel sessions]

**SESSION 2: Adapting Agricultural and Forestry Production to Climate Change**

**SESSION 2B: Adapting Agricultural Production to Climate**

[1<sup>st</sup> turn]: 13:00 – 14:50

Chair: Dr. Nguyen Duy Nang, Faculty of Agronomy, Nong Lam University Ho Chi Minh City, Vietnam

Co-chair: Dr. Raimund Schneider, Department of Soil Science, Trier University, Germany

13:00 – 13:30	<b>Invited lecture</b> Can we apply active silviculture for support of forest's role in climate change mitigation? <i>Michal V. Marek, Manuel Acosta, Marian Pavelka, Khue Vu Hoang Ngoc</i> <b>Prof. Michal V. Marek</b> Global Change Research Institute, Czech Academy of Sciences, Czech Republic
13:30 – 13:50	<b>ORAL 1: [O-208]</b> Effects of growing conditions on some indicators related to growth and productivity of super dwarf tomato plants <i>Le T. Thuy, Dinh N. H. Quynh, Tran K. Van</i>
13:50 – 14:10	<b>ORAL 2: [O-209]</b> Detection and application of plant virus vaccine to control papaya ringspot virus w isolate from south Vietnam <i>Tran T. N. Bich, Nguyen T. T. Nghi, Doan N. Nam, Nguyen T. H. Trang, Bui V. Huong, Nguyen T. N. Thuan, Chung N. Y. Lam</i>
14:10 – 14:30	<b>ORAL 3: [O-210]</b> Composting of vegetable waste using in-vessel systems and compost application trial to lettuce ( <i>Lactuca sativa</i> L.) <i>Nguyen T. Binh, Le H. Tu, Tran D. Tien, Nguyen P. H. Lan, Ho T. Quoc, Tran V. Thinh</i>
14:30 – 14:50	<b>ORAL 4: [O-211]</b> Innovation technique in soil testing <i>Nguyen Q. Chon, Jan A. Reijneveld, Oene Oenema and Pham T. Nhan</i>

**14:50 – 15:20**

**POSTER DISPLAY AND PRESENTATION 2** [Ground Floor, Thien Ly Building]

Tea/coffee break

[2<sup>nd</sup> turn]: 15:20 – 16:40

Chair: Dr. Raimund Schneider, Department of Soil Science, Trier University, Germany

Co-chair: Dr. Nguyen Duy Nang, Faculty of Agronomy, Nong Lam University Ho Chi Minh City,

Vietnam	
15:20 – 15:40	ORAL 5: [O-212] Identification of genetic region controlling anthocyanin accumulation in the sweetpotato storage root and sequence analysis of the candidate gene <i>Nozomi Horita, Yoshihiro Okada, Hiroshi Kanzaki, Miyu Kurihara, Kazusa Nishimura, Hidetaka Nishida, Kenji Kato, Yuki Monden</i>
15:40 – 16:00	ORAL 6: [O-213] Biomass allometric equation for ( <i>melaleuca cajuputi</i> ) in the Mekong Delta, south Vietnam <i>Vien N. Nam, Vien N. T. Anh, Tran V. K. Linh, Bui N. T. Kiet, Nguyen T. K. Nuong</i>
<b>17:00 – 18:00</b>	<b>Closing ceremony</b> [Room 303, Thien Ly Building]

*Speakers have 15 minutes to present their presentations and 5 minutes to answer questions*



## DETAILED PROGRAM

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Quarter 22, Linh Trung Ward, Thu Duc City, HCMC, Vietnam  
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### PARALLEL SESSIONS - SESSION 3

**DAY 2:** December 6, 2024

**[Onsite only]**

**DAY 2:** December 6, 2024; FRIDAY AFTERNOON [Parallel sessions]

**SESSION 3: Innovative Technology in Sustainable Agriculture**

*Session 3A: Food Science and Post-harvest Technology*

[1<sup>st</sup> turn]: 13:00 – 14:50

Chair: Assoc Prof. Dr. **Kha Chan Tuyen**, Acting Dean of Faculty of Chemical Engineering & Food Technology, Nong Lam University Ho Chi Minh City, Vietnam

Co-chair: Professor Dr. **Glenn M. Young**, Department of Food Science and Technology, University of California, Davis

13:00 – 13:30	<b>Invited lecture</b> Farmers' shared interests can advance sustainable safe food systems Professor Dr. <b>Glenn M. Young</b> Department of Food Science and Technology, University of California, Davis
13:30 – 13:50	ORAL 1: [O-301] Study on extraction and identification of chemical components of perilla essential (l.) britt oil using gas chromatography-mass spectrometry (GC-MS) <i>Phung V. C. Hong, Nguyen T. N. Lan</i>
13:50 – 14:10	ORAL 2: [O-302] Optimizing the extraction and purifying process of piperine from pepper in Vienam ( <i>Piper nigrum</i> ) <i>Nguyen Phu Thuong Nhan, Nguyen Thanh Pho, Mai Huynh Cang</i>
14:10 – 14:30	ORAL 3: [O-303] Preparation and characterization of bacterial cellulose films from pineapple peel incorporated with carboxymethyl cellulose <i>Tran Thanh Xuan, Doan Ngoc Duy Trinh, Nguyen Van Hien, Le Huu Trinh, Nguyen Thi Thanh Thuy</i>
14:30 – 14:50	ORAL 4: [O-304] Optimization of the extraction bioactive compounds from <i>Red cardinal</i> grape pomace using deep eutectic solvents <i>Thao Thi Thanh Nguyen, Viet Bao Nguyen and Tuyen Chan Kha</i>

**14:50 – 15:20**

**POSTER DISPLAY AND PRESENTATION 2** [Ground Floor, Thien Ly Building]

Tea/coffee break

[2<sup>nd</sup> turn]: 15:20 – 16:40

Chair: Assoc Prof. Dr. **Hiroaki SOMURA**

Faculty of Environmental, Life and Natural Sciences, Okayama University, Japan

Co-chair: Assoc Prof. Dr. **Kha Chan Tuyen**

Acting Dean of Faculty of Chemical Engineering & Food Technology, Nong Lam University Ho Chi Minh City, Vietnam

15:20 – 15:40	ORAL 5: [O-305] A low external input towards sustainable agro-ecology for small cocoa farms <i>Nguyen Duc Xuan Chuong, Nguyen Huu Truc, Truong Minh Loc and Duong Nguyen Khang</i>
15:40 – 16:00	ORAL 6: [O-306] The effect of vitamin D3 (cholecalciferol) supplementation in feed on egg production and egg quality of arabian chickens ( <i>Gallus turcicus</i> ) <i>Elly Tugiyanti</i>
16:00 – 16:20	ORAL 7: [O-307] Identification of a yet-to-be discovered gene associated with southern root-knot nematode resistance and producing transformants for functional analysis <i>Makoto Izumitani, Motoyasu Otani, Hiroaki Tabuchi, Senri Nakamura, Shinichiro Ohata, Osamu Nakayachi, Kazusa Nishimura, Hidetaka Nishida, Kenji Kato, Yuki Monden</i>
16:20 – 16:40	ORAL 8: [O-308] Application of <i>Saccharomyces boulardii</i> cells in yogurt <i>Diep T.N. Duong, Tuyet T.T. Nguyen1, Huan T. Phan</i>
<b>17:00 – 18:00</b>	<b>Closing ceremony</b> [Room 303, Thien Ly Building]

*Speakers have 15 minutes to present their presentations and 5 minutes to answer questions*



## DETAILED PROGRAM

**Venue (onsite):** Nong Lam University HCMC  
Quarter 22, Linh Trung Ward, Thu Duc City, HCMC, Vietnam  
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### PARALLEL SESSIONS - SESSION 3

**DAY 2:** December 6, 2024

**[Onsite only]**

**DAY 2:** December 6, 2024; FRIDAY AFTERNOON [Parallel sessions]

**SESSION 3: Innovative Technology in Sustainable Agriculture**

*Session 3B: Innovative Technology in Agriculture*

[1<sup>st</sup> turn]: **13:00 – 14:50**

Chair: Professor. Dr. **Nguyen Hay**

Faculty of Engineering and Technology of the Nong Lam University Ho Chi Minh City, Vietnam

Co-chair: Assoc Prof. Dr. **Le Anh Duc**

Head of Department of Processing and Postharvest Machinery, Faculty of Engineering and Technology, Nong Lam University Ho Chi Minh City, Vietnam

13:00 – 13:30	<b>Invited lecture</b> An overview of Japanese trends in Smart Agriculture Assoc Prof. Dr. <b>Hiroaki SOMURA</b> Faculty of Environmental, Life and Natural Sciences, Okayama University, Japan
13:30 – 13:50	ORAL 1: [O-309] Assessment of combine harvesters used in rice production in Mekong Delta, Vietnam <i>Nguyen T. Nghi, Nguyen V. Hieu, Joseph Sandro and Nguyen V. Hung</i>
13:50 – 14:10	ORAL 2: [O-310] Utilizing agricultural residues for renewable energy and environmental remediation in developing countries <i>Phuong Thu Le, Hong Nam Nguyen, Thi Mai Thanh Dinh, Thu Phuong Nguyen</i>
14:10 – 14:30	ORAL 3: [O-311] Optimization of technological parameters of automatic quail eggs peeling machine <i>Nguyen T. Phong, Le A. Duc</i>
14:30 – 14:50	ORAL 4: [O-312] Enhancing agricultural predictive modeling through data augmentation and advanced deep learning techniques <i>Tien Dang and Phan D. Long</i>

**14:50 – 15:20**

**POSTER DISPLAY AND PRESENTATION 2** [Ground Floor, Thien Ly Building]

Tea/coffee break

[2<sup>nd</sup> turn]: **15:20 – 16:40**

Chair: Professor. Dr. **Nguyen Huy Bich**, Faculty of Engineering and Technology of the Nong Lam University Ho Chi Minh City, Vietnam

Co-chair: Dr. **Nguyen Duc Khuyen**, Vice Dean, Faculty of Engineering and Technology, Nong Lam

University Ho Chi Minh City, Vietnam	
15:20 – 15:40	ORAL 5: [O-313] Modelling research on fresh paddy aeration on transporting barges in Mekong Delta, Vietnam <i>Nguyen Van Hieu, Nguyen Thanh Nghi, Truong Thanh Qui, Vo Hoai Phuong, Nguyen Thai Vi</i>
15:40 – 16:00	ORAL 6: [O-314] Vietnam agricultural engineering towards the Smart Agriculture <i>Nguyen H. Bich, Nguyen T. Nghi, Dao D. Vinh</i>
16:00 – 16:20	ORAL 7: [O-315] Development of sugarcane transplanter for the sustainable agricultural mechanization <i>Nguyen HT. Gia, Nguyen N. Long, Phan T. Phat, Nguyen Q. Thang, and Nguyen. D. Khuyen</i>
16:20 – 16:40	ORAL 8: [O-316] Effects of tempering on microstructure, mechanical properties and appearance in non fermented cocoa in Vietnam <i>Nguyen Van Lan, Pham Duy Lam, Nguyen The Cuong, Nguyen Huy Bich</i>
16:40 – 17:00	ORAL 9: [O-317] Experimental study on drying non-fermented cacao beans using drum drying and solar greenhouse drying methods <i>Pham D. Lam, Hong C. Huy, Nguyen D. Khuyen</i>
<b>17:00 – 18:00</b>	<b>Closing ceremony [Room 303, Thien Ly Building]</b>

*Speakers have 15 minutes to present their presentations and 5 minutes to answer questions*



## DETAILED PROGRAM

**Venue (onsite):** Nong Lam University HCMC  
Quarter 22, Linh Trung Ward, Thu Duc City, HCMC, Vietnam  
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### PARALLEL SESSIONS - SESSION 4

**DAY 2:** December 6, 2024

**[Onsite only]**

**DAY 2:** December 6, 2024; FRIDAY AFTERNOON [Parallel sessions]

**SESSION 4: Recent advances in Animal Bioscience and Sustainability**

**Session 4A: Recent advances in Animal Bioscience and Sustainability**

[1<sup>st</sup> turn]: **13:00 – 14:50**

Chair: Professor. Dr. **Naoki NISHINO**, Graduate School of Life and Environmental Science Okayama University, Okayama, Japan

Co-chair: Assoc Prof. Dr. **Nguyen Quang Thieu**, Deputy Dean of Faculty of Animal Science and Veterinary Medicine, Nong Lam University Ho Chi Minh City, Vietnam

13:00 – 13:30	<b>Invited lecture</b> Circular economy in agriculture: Current status and solution for model of low carbon footprint in Vietnam <b>Prof. Duong Nguyen Khang</b> Director of Center for Research and Technology Transfer, Nong Lam University Ho Chi Minh City, Vietnam
13:30 – 13:50	<b>ORAL 1: [O-101]</b> ORAL 1: [O-401] Fish diversity of Dau Tieng lake: An updated fish species composition and fish catch assessment with fishing gears <i>Nguyen P. Thuong, Nguyen T. Tung, Nguyen H. An, Tran T. Vy and Nguyen T. Hieu</i>
13:50 – 14:10	<b>ORAL 2: [O-402]</b> Water velocity regulation for freshwater giant prawn migration at Phuoc Hoa fish-passage <i>Vu C. Luong, Vu V. Hieu, Nguyen N. Hung</i>
14:10 – 14:30	<b>ORAL 3: [O-403]</b> Biochemical composition of the mud crab <i>Scylla paramamosain</i> ( <i>Estampador</i> , 1949) fattened in the recirculating water system <i>Ong M. Quy, Nguyen P. C. Tu, Nguyen N. Ha, Tran V. Minh, Ho T. T. Thy</i>
14:30 – 14:50	<b>ORAL 4: [O-404]</b> Antifungal potential of herbal extracts against fungal strains isolated from lichen-like structure in white-legged shrimp ponds <i>Le V. Hau, Nguyen T. T. Duong, Dao N. D. Hong, Tran P. V. Linh, Le M. Nghia, Luu T. H. Thu, Le N. Q. Nhu, Nguyen B. Khang, Vo V. Tuan, Nguyen X. Dong and Ngo H. P. Thao</i>

**14:50 – 15:20**

**POSTER DISPLAY AND PRESENTATION 2** [Ground Floor, Thien Ly Building]

Tea/coffee break

[2<sup>nd</sup> turn]: 15:20 – 16:40

Chair: Professor. Dr. **Naoki NISHINO**, Graduate School of Life and Environmental Science  
Okayama University, Okayama, Japan  
Co-chair: Professor. Dr. **Duong Nguyen Khang**, Director of Center for Research and Technology  
Transfer, Nong Lam University Ho Chi Minh City, Vietnam

15:20 – 15:40	ORAL 5: [O-405] Total mixed ration (tmr) based on alkaline-treated rice straw improves growth rate and feed intake of sindhi cross-bred cattle <i>Nguyen Thanh Hai, Nguyen Quoc Tien, Le Thuy Binh Phuong, Nguyen Ngoc Thuy and Duong Nguyen Khang</i>
15:40 – 16:00	ORAL 6: [O-406] Growth performance of crossbred cattle between Wagyu bull with red angus crossbred cows (red angus x brahman crossbred) and charolais crossbred cows (charolais x brahman crossbred) from birth to 12 months of age <i>Dau V. Hai, Hoang T. Ngan, Nguyen T. Thuy, Chu M. Thang, Duong N. Khang</i>
16:00 – 16:20	ORAL 7: [O-407] Utilizing shrimp heads and shells as protein-rich ingredients improves the growth performance and health of fattening pigs from 96 to 164 days of age <i>Dang Thi Ngoc Anh, Do Tan Duong, Nguyen Thanh Hai, Nguyen Kien Cuong, Bui Thi Tra Mi, Nguyen Quoc Viet and Duong Nguyen Khang</i>
16:20 – 16:40	ORAL 8: [O-408] The effect of local chicken lines and phytobiotics supplementation on body weight and lymphoid organs <i>Ismoyowati, Elly Tugiyanti, Diana Indrasanti, Agus Darmanto, Imam Suswoyo, and Rosidi</i>
<b>17:00 – 18:00</b>	<b>Closing ceremony</b> [Room 303, Thien Ly Building]

*Speakers have 15 minutes to present their presentations and 5 minutes to answer questions*



## DETAILED PROGRAM

**Venue (onsite):** Nong Lam University HCMC  
Quarter 22, Linh Trung Ward, Thu Duc City, HCMC, Vietnam  
Conference date: **December 5 – 7, 2024**

### PARALLEL SESSIONS - SESSION 4

**DAY 2:** December 6, 2024  
[**Onsite and Online**]

**DAY 2:** December 6, 2024; FRIDAY AFTERNOON [Parallel sessions]

**SESSION 4: Recent advances in Animal Bioscience and Sustainability**

**Session 4B: Recent advances in Veterinary Science and Sustainability**

[1<sup>st</sup> turn]: **13:00 – 14:50**

Chair: Assoc Prof. Dr. **Le Quang Thong**, Dean of Faculty of Animal Science and Veterinary Medicine, Nong Lam University Ho Chi Minh City, Vietnam

Co-chair: Assoc Prof. Dr. **Nguyen Nhu Tri**, Dean of Faculty of Fisheries, Nong Lam University Ho Chi Minh City, Vietnam

13:00 – 13:30	<b>Invited lecture</b> The roles of mitochondria in in vitro embryo production Assoc. Prof. <b>Takuya WAKAI</b> Okayama University, Japan
13:30 – 13:50	<b>ORAL 1: [O-409] [ONLINE]</b> The roles of macrophage on early phase of pathogenesis in <i>eimeria tenella</i> infection <i>Dong H. Rin and Toshimitsu Hatabu</i>
13:50 – 14:10	<b>ORAL 2: [O-410] [ONLINE]</b> The influence of 5-aminolevulinic acid supplementation to cecal microbiota composition in laying hen infected with <i>Eimeria tenella</i> <i>Shota Fujino, Akihito Imasato, Shin Taniguchi, Makoto Matsubayashi, Naoki Nishino, Hidetoshi Morita and Toshimitsu Hatabu</i>
14:10 – 14:30	<b>ORAL 3: [O-411] [ONLINE]</b> Relation between pentose phosphate pathway activity according to follicle size and meiotic and developmental competence of porcine oocytes <i>Van N. Phong, Do Q. Son, Lakshitha Fonseka, Nguyen T. Hai, Takuya Wakai and Hiroaki Funahashi</i>
14:30 – 14:50	<b>ORAL 4: [O-412]</b> Abnormal reproductive disorders increasing in breeding pig herds with the involvement of novel pathogens <i>Ngo T. N. Tram, Nguyen M. Nam, Roongroje Thanawongnuwech, Bui T. T. Nga, Nguyen T. P. Trang, Nguyen T. T. Nam, Nguyen T. Toan, Do T. Duy</i>

**14:50 – 15:20**

**POSTER DISPLAY AND PRESENTATION 2** [Ground Floor, Thien Ly Building]

Tea/coffee break

[2<sup>nd</sup> turn]: **15:20 – 16:40**

Chair: Assoc. Prof. **Takuya WAKAI**, Okayama University, Japan

Co-chair: Dr. **Dinh Xuan Phat**, Dean of Faculty of Biological Sciences, Nong Lam University Ho

Chi Minh City, Vietnam	
15:20 – 15:40	ORAL 5: [O-413] The change of cellular population of bovine oviductal fimbriae epithelial cells during the estrous cycle <i>Shiyao Li, Yosuke Sugino, Koji Kimura</i>
15:40 – 16:00	ORAL 6: [O-414] Porcine model of septic shock with prolonged resuscitation using <i>Pseudomonas aeruginosa</i> infusion <i>Ly H. Son, Dumargne Hugo, Hammed Abdessalem, Lac Romain, Dargent Auguste, Louzier Vanessa</i>
16:00 – 16:20	ORAL 7: [O-415] Biodegradation of polyester polyurethan (Impranil) by bacteria isolated from natural environment <i>Nguyen N. T. Xuan, Vo V. H. Tham, Lu N. T. Nguyen, Nguyen M. Trung, Nguyen N. Hai</i>
16:20 – 16:40	ORAL 8: [O-416] Genetic diversity of Phan Rang sheep based on mitochondrial D-loop and cytochrome c oxidase subunit i sequences <i>Ngoc Tan Nguyen, Thi Vu Tran, Van Loc Le, Tan Loi Le, and Tuan Thanh Hoang</i>
<b>17:00 – 18:00</b>	<b>Closing ceremony [Room 303, Thien Ly Building]</b>

*Speakers have 15 minutes to present their presentations and 5 minutes to answer questions*



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**THE END**

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