

Organizer: University of Agriculture and Forestry, Hue University, Vietnam



## CONFERENCE AGENDA

### The 2<sup>nd</sup> Bioprotection for Sustainable Agriculture (ICBPSA 2025)

#### *“Application of Bioprotection in Climate-Resilient Agriculture”*

Time: 28 - 29<sup>th</sup> August, 2025

Hosted by University of Agriculture and Forestry, Hue University

Address: 102 Phung Hung, Hue city, Vietnam

Time	Activities	Speaker/Presenter
<b>Morning, Thursday 28 August, 2025</b> <b>Venue: HUAF Meeting Hall, Building I</b>		
8:00 - 8:30	Registration	OC
8:30 - 8:40	Music performance	Artists and students
8:40 - 8:50	Opening Remark of HUAF	<b>Assoc. Prof. Tran Thanh Duc</b> Rector of HUAF
8:50 - 9:00	Opening Remark of CIRAD	<b>Dr. Roger Francois</b> Regional Director of CIRAD
9:00 - 9:10	Presentation of Flower and Souvenirs to Co-organizing and Sponsors Units	<b>Assoc. Prof. Pham Huu Ty,</b> HUAF
<b>Plenary session: Application of Bioprotection in Climate - Resilient Agriculture</b> <b>Venue: HUAF Meeting Hall, Building I</b> <b>Moderators:</b> Dr. Pierre LEFEUVRE, CIRAD and Prof. Tran Dang Hoa, HUEUNI <b>Secretary:</b> Assoc.Prof. Tran Thi Hoang Dong and Dr. Tran Thi Huong Sen, HUAF		
9:10 - 9:30	<b>PLP1:</b> Integrating sustainable alternatives in Southeast Asia cropping systems: <i>“One world and how many?”</i>	<b>Dr. Arnaud Costa</b> Crop Health Advisor, CABI
9:30 - 9:50	<b>PLP2:</b> Using HTS to Identify Plant Viruses: The Case of Cucurbits in Southern Vietnam	<b>Dr. Pierre LEFEUVRE</b> Expert, CIRAD
9:50 - 10:10	<b>PLP3:</b> Research and application of bio-products to control soilborne diseases on some major crops in Vietnam done by Plant Protection Research Institute	<b>Dr. Nguyen Van Liem</b> Director, PRRI
10:10- 10:30	<b>Group photo and Tea break</b>	<b>All participants</b>



*Application of Bioprotection in Climate-Resilient Agriculture*

Time	Activities	Speaker/Presenter
10:30-11:00	<b>Poster session</b> <b>Moderators:</b> Assoc. Prof. Phan Thi Phuong Nhi, HUAF; Assoc. Prof. Le Ngoc Anh, VNUA and Dr. Le Mai Nhat, PRRI <b>Secretary:</b> Assoc.Prof. Tran Thi Hoang Dong and Dr. Tran Thi Huong Sen, HUAF	<b>Poster presenters</b>
<b>Plenary session: Application of Bioprotection in Climate - Resilient Agriculture</b> <b>Venue:</b> HUAF Meeting Hall, Building I <b>Moderators:</b> Dr. Arnaud Costa, CABI and Dr. Nguyen Van Liem, PPRI <b>Secretary:</b> Assoc.Prof. Tran Thi Hoang Dong and Dr. Tran Thi Huong Sen, HUAF		
11:00 – 11:20	<b>PLP4:</b> Sustainable Weed Management under changing climate	<b>Dr. Samunder Singh</b> President, International Weed Science Society
11:20 - 11:40	<b>PLP5:</b> RNAi-based biopesticides for next-generation integrated pest management	<b>Prof. Takeshi Suzuki</b> TUAT, Japan
11:40 – 12:00	<b>PLP6:</b> Integrated soil and nutrient management for sustainable crop production in Central Coastal Vietnam	<b>Prof. Hoang Thi Thai Hoa</b> Dean, Agronomy of faculty, HUAF
12:00- 12:20	<b>Discussion</b> <b>Moderators:</b> Dr. Pierre Lefeuvre, CIRAD; Prof. Tran Dang Hoa, HUEUNI Dr. Nguyen Van Liem, PPRI	All participants
12:20 - 13:20	<b>LUNCH</b> <b>Venue:</b> HUAF Meeting Hall (Building I)	All participants
<b>Afternoon, Thursday 28 August, 2025</b> <b>PARALLEL SESSIONS</b>		
<b>Session 1. Environment Friendly Plant Protection Solutions</b> <b>Venue:</b> HUAF Meeting Hall (Building I) <b>Moderators:</b> Dr. LESUEUR Didier, CIRAD and Dr. Ho Le Thi, CoA, CTU <b>Secretary:</b> Assoc.Prof. Tran Thi Thu Ha and Msc. Le Khac Phuc, HUAF		
13:20 - 13:40	<b>KN-S1P1:</b> Promising results about the effectiveness of selected commercial bioinoculants in mitigating the populations of soilborne pests and diseases damaging coffee and black pepper plantations in Gia Lai province, the Central Highlands of Vietnam	<b>Dr. Didier LESUEUR</b> CIRAD
13:40 - 14:00	<b>KN-S1P2:</b> Comprehensive management of weedy rice in Vietnam and Southeast Asia: challenges and strategies	<b>Dr. Ho Le Thi</b> CoA, CTU



Time	Activities	Speaker/Presenter
14:00 - 14:15	<b>S1P3:</b> Development of a biological control strategy for <i>Aspergillus niger</i> causing collar rot of groundnut ( <i>Arachis hypogaea</i> )	<b>Dr. Nguyen Duc Huy</b> HUIB, Hue university
14:15 - 14:30	<b>S1P4:</b> Phage therapy: an effective and eco-friendly approach to controlling phyto <b>bacterial</b> diseases	<b>Msc student Huynh Huu Tri,</b> CoA, CTU
14:30 - 14:45	<b>S1P5:</b> Identification and pathogenicity assessment of entomopathogenic fungi on banana stem weevil ( <i>Odoiporus longicollis</i> Olivier)	<b>Msc. Do Xuan Dat</b> PPRI
14:45 - 15:00	<b>S1P6:</b> Biological potential of the bacterial consortium for the control of soil-borne pathogens on potato	<b>Dr. Vo Thi Ngoc Ha</b> NLU
<b>15:00 - 15:20</b>	<b>Group photo &amp; Tea break</b>	
<b>Session 1. Environment Friendly Plant Protection Solutions</b> <b>Venue:</b> HUAF Meeting Hall (Building I) <b>Moderators:</b> Assoc. Prof. Tran Thi Thu Ha, HUAF and Assoc. Prof. Ha Duy Truong, TUAF <b>Secretary:</b> Assoc.Prof. Tran Thi Hoang Dong and Msc. Le Khac Phuc, HUAF		
15:20 - 15:40	<b>KN-S1P7:</b> Isolation, selection and antagonistic of streptomyces to bacterial wilt disease caused by <i>Ralstonia solanacearum</i> on chilli pepper	<b>Assoc. Prof. Tran Thi Thu Ha</b> HUAF
15:40 - 16:00	<b>KN-S1P8:</b> Study on the effects of several biological and botanical insecticides on major insect pests of tomatoes under net house conditions in Thai Nguyen	<b>Assoc. Prof. Ha Duy Truong</b> TUAF
16:00 - 16:15	<b>S1P9:</b> Biological control of cucumber angular leaf spot disease using potential Rhizobacterial consortium	<b>Dr. Haliatur Rahma</b> UNAND, Indonesia
16:15 - 16:30	<b>S1P10:</b> Effects of pesticides on biological characteristics of the diamondback moth <i>Plutella xylostella</i>	<b>Msc. Than The Anh</b> VNUA
16:30 – 16:45	<b>S1P11:</b> Floral resources support the performance of big-eyed bugs <i>Geocoris ochopterus</i> (Hemiptera: Geocoridae)	<b>Msc. Nguyen Thi Phung Kieu</b> NLU
16:45 - 17:00	<b>S1P12:</b> Herbivore-induced plant volatiles - A potential approach to manage the two-spotted spider mite pests	<b>Dr. Pham Nguyen Anh Duy</b> CoA, CTU



Time	Activities	Speaker/Presenter
<b>Session 2. Biotechnology and Plant breeding in Plant Protection adapted with Climate change</b> <b>Venue:</b> Meeting room number 2 (2 <sup>nd</sup> floor, Building I) <b>Moderators:</b> Dr. Frédéric LABBÉ, CIRAD and Dr. Nguyen The Cuong, CLRRRI <b>Secretary:</b> Assoc.Prof. Phan Thi Phuong Nhi and Dr. Thai Thi Huyen, HUAF		
13:20 - 13:40	<b>KN-S2P1:</b> Genomic insights into the evolution of the destructive bacterial pathogens of citrus Huanglongbing	<b>Dr. Frédéric LABBÉ</b> CIRAD
13:40 - 14:00	<b>KN-S2P2:</b> Harnessing the functional microbial product collect for sustainable rice cultivation in the Mekong Delta: A case study	<b>Dr. Nguyen The Cuong</b> CLRRRI
14:00 - 14:15	<b>S2P3:</b> A "look back” at the species concept and ambiguous identification of fungi: what are we doing and how accurate is the multi-locus phylogeny approach? a case study in fungi associated with lotus ( <i>N. nucifera</i> )	<b>PhD Student Nguyen Quang Hoang Vu</b> HUIB, Hue university
14:15 - 14:30	<b>S2P4:</b> Optimizing cultivation technique for specialty Khau Tan Don rice variety ( <i>Oryza sativa</i> L.) to improve yield under climate change in Northern mountains Vietnam	<b>Dr. Hoang Thi Hue</b> PRC, VAAS
14:30 - 14:45	<b>S2P5:</b> Biocontrol potential and bioactive metabolites of entomopathogenic fungi isolated from the rice grasshopper <i>Oxya chinensis</i>	<b>Dr. Ton That Huu Dat</b> MISR, VAST
14:45 - 15:00	<b>S2P6:</b> Post-harvest straw management and greenhouse gas emission prediction in rice cultivation in Hue city	<b>Dr. Nguyen Trung Hai</b> HUAF
15:00 - 15:20	<b>Group photo &amp; Tea break</b>	
<b>Session 2. Biotechnology and Plant breeding in Plant Protection adapted with Climate change</b> <b>Venue:</b> Meeting room number 2 (2 <sup>nd</sup> floor, Building I) <b>Moderators:</b> Dr. Chatchawan Jantasuriyarat, Kasetsart university and Dr. Tran Thi Thu Phuong, VNUA <b>Secretary:</b> Assoc.Prof. Phan Thi Phuong Nhi and Dr. Thai Thi Huyen, HUAF		
15:20 - 15:40	<b>KN-S2P7:</b> Integrated approaches to rice blast resistance: gene discovery, pathogen profiling, and biotechnological innovations in Thai rice research	<b>Assoc. prof. Chatchawan Jantasuriyarat</b> KU, ThaiLand
15:40 - 16:00	<b>KN-S2P8:</b> Identification of parasitic wasps using molecular biological characteristics and evaluation of their parasitic ability on aphids infesting cruciferous vegetables	<b>Dr. Tran Thi Thu Phuong</b> VNUA



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16:00 - 16:15	<b>S2P9:</b> From silence to defense: functional analysis of lowly expressed cassava ( <i>Manihot esculenta</i> ) genes activated by mealybug ( <i>Phenacoccus manihoti</i> ) infestation	<b>Dr. Chu Duc Ha</b> VNU
16:15 - 16:30	<b>S2P10:</b> Breeding new cordyceps mushroom strains via single spore isolation technology	<b>Nguyen Minh Ly</b> EDU
16:30 – 16:45	<b>S2P11:</b> Evaluating the ability of vegetative propagation in several bamboo species at Son Tra ward, Danang city	<b>Dr. Phan Thu Thao</b> UDA
<b>Session 3. Integrated Plant Health Management</b> <b>Venue:</b> Meeting room number 1 (The 1 <sup>st</sup> floor, Building I) <b>Moderators:</b> Assoc. Prof. Dr. Le Khac Hoang, NLU and Dr. My Syahrawati, UNAND <b>Secretary:</b> Assoc.Prof. Tran Thi Xuan Phuong and Dr. Tran Dang Khoa, HUAF		
13:20 - 13:40	<b>KN-S3P1:</b> The role of various Refugia plants in forming predatory insect communities in South Solok Regency, West Sumatra province, Indonesia	<b>Dr. My Syahrawati</b> UNAND, Indonesia
13:40 - 14:00	<b>KN-S3P2:</b> Potential of <i>Galleria mellonella</i> (Lepidoptera: Pyralidae) as an alternative host for the mass rearing of natural enemies	<b>Assoc. Prof. Le Khac Hoang</b> NLU
14:00 - 14:15	<b>S3P3:</b> Pests and diseases dynamics of rice farming in Kanghot irrigation scheme, Battambang province: insights from multi-field observations	<b>Msc. Linna NGANG</b> CIRAD, Cambodia
14:15 - 14:30	<b>S3P4:</b> Current status of cultivation and insect pests in durian orchards in Dong Thap province	<b>PhD student Phan Ha</b> DoST, Dong Thap
14:30 - 14:45	<b>S3P5:</b> Faster dissipation of tebuconazole compared to cypermethrin on lettuce: kinetic analysis under semi-field conditions	<b>Assoc. Prof. Nguyen Dang Giang Chau</b> HUSC, Hue university
14:45 - 15:00	<b>S3P6:</b> Evaluation of polyphosphate content in commercial NPK 16-16-8 fertilizers in Vietnam	<b>Dr. Nguyen Minh Dong</b> CoA, CTU
<b>15:00 - 15:20</b>	<b>Group photo &amp; Tea break</b>	
<b>Session 3. Integrated Plant Health Management</b> <b>Venue:</b> Meeting room number 1 (The 1 <sup>st</sup> floor, Building I) <b>Moderators:</b> Dr. Thi Ngan PHAN, CIRAD and Prof. Dr. Le Vinh Thuc, CoA, CTU <b>Secretary:</b> Assoc.Prof. Tran Thi Xuan Phuong and Dr. Tran Dang Khoa, HUAF		
15:20 - 15:40	<b>KN-S3P7:</b> Sustainable management of plant-parasitic nematodes in Cambodian rice fields through agroecological and molecular approaches	<b>Dr. Thi Ngan PHAN</b> CIRAD



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15:40 - 16:00	<b>KN-S3P8:</b> The effectiveness of Dolomite phosphate rock on growth and yield of black sesame ( <i>Sesamum indicum</i> L.) in paddy field	<b>Prof. Le Vinh Thuc</b> CoA, CTU
16:00 - 16:15	<b>S3P9:</b> Optimizing nitrogen and magnesium fertilization for enhanced yield and root development in <i>Asparagus</i>	<b>Dr. Nguyen Hong Hanh</b> VNUA
16:15 - 16:30	<b>S3P10:</b> Effects of dosage and type of nitrogenous fertilizer on rice yield and n <sub>2</sub> O emissions on alluvial soil in Tra On district, Vinh Long province	<b>Msc. Lam Van Thong</b> PVCFC
16:30 – 16:45	<b>S3P11:</b> Assessment of control thresholds for effective management of <i>Spodoptera exigua</i> on green onion in Northern of Vietnam	<b>Msc. Nguyen Duc Khanh</b> VNUA
16:45 - 17:00	<b>S3P12:</b> <i>Contarinia maculipennis</i> causing brown rot on tuberoses flowers ( <i>Polianthes tuberosa</i> ) in Lai Vung district, Dong Thap province	<b>Dr. Pham Kim Son</b> CoA, CTU
<p align="center"><b>Session 4. Agricultural Bio-products</b></p> <p><b>Venue:</b> Meeting room number 03 (The 2<sup>nd</sup> floor, Library building)</p> <p><b>Moderators:</b> Prof. Tetsu ANDO, Tokyo University and Prof. Pham Van Toan, VAAS</p> <p><b>Secretary:</b> Dr. Nguyen Thi Thu Thuy and Msc. Phung Lan Ngoc, HUAF</p>		
13:20 - 13:40	<b>KN-S4P1:</b> Chemical diversity of arthropod pheromones and other semiochemicals revealed by databases	<b>Prof. Tetsu ANDO</b> TUAT, Japan
13:40 - 14:00	<b>KN-S4P2:</b> Synergistic effect of nematophagous fungi and antagonistic microorganisms to control the pathogen caused yellow leaf and root rot disease of coffee in Vietnam	<b>Prof. Pham Van Toan</b> VAAS
14:00 - 14:15	<b>S4P3:</b> Multifunctional biogenic formulations from indigenous pest-resistant plants: Eco-friendly alternatives to synthetic pesticides for sustainable agriculture	<b>Assoc. Prof. Nguyen Thi Ai Nhung</b> HUSC, Hue university
14:15 - 14:30	<b>S4P4:</b> Characterization of extracellular enzymes from endophytic <i>Beauveria bassiana</i> isolates as biological control agents for pests insect	<b>Msc student Nanda Saputra</b> UNAND, Indonesia
14:30 - 14:45	<b>S4P5:</b> Application of antagonistic microorganism in controlling Gummosis disease on Thanh Tra pomelo	<b>Ms. Hoang Thi My A</b> HUIB, Hue university
14:45 - 15:00	<b>S4P6:</b> Potential of <i>Galleria mellonella</i> (Lepidoptera: pyralidae) as an alternative host for the mass rearing of natural enemies	<b>Msc student Do Thi Luyen</b> Dalat Hasfarm
15:00 - 15:20	<b>Group photo &amp; Tea break</b>	





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<p align="center"><b>Session 4. Agricultural Bio-products</b></p> <p><b>Venue:</b> Meeting room number 03 (The 2<sup>nd</sup> floor, Library building)</p> <p><b>Moderators:</b> Assoc. Prof. Le Van Vang, CoA, CTU and Dr. Francisco MARTINEZ MARTINEZ, CIRAD</p> <p><b>Secretary:</b> Dr. Nguyen Thi Thu Thuy and Msc. Phung Lan Ngoc, HUAF</p>		
15:20 - 15:40	<b>KN-S4P7:</b> Sex pheromones: an effective tool for sustainable management of agricultural pests in the Mekong Delta of Vietnam	<b>Assoc.Prof. Le Van Vang</b> CoA, CTU
15:40 - 16:00	<b>KN-S4P8:</b> Balancing complementarity and intraguild predation to enhance long-term biocontrol services	<b>PhD student Francisco MARTINEZ MARTINEZ</b> CIRAD
16:00 - 16:15	<b>S4P9:</b> Potential of entomopathogenic nematodes (EPNs) in the biological control of soilborne insects in Urban Park Ecosystems	<b>Msc. Nguyen Tuan Dat</b> NLU
16:15 - 16:30	<b>S4P10:</b> Efficacy of ADAVELT™ active (Florylpicoxamid) and Strobilurins against chilli anthracnose in Vietnam	<b>Msc. Huynh Van Nghi</b> Corteva Agriscience Vietnam
16:30 – 16:45	<b>S4P11:</b> The study on <i>Cosmos sulphureus</i> leaves extract as a broad-spectrum natural pre-emergence bioherbicide	<b>Msc student Nguyen Hoang Thien Phuc</b> CoA, CTU
16:45 - 17:00	<b>S4P12:</b> Enhancement of tomato growth and biocontrol of <i>Fusarium solani</i> root rot disease by <i>Streptomyces Rochei</i> BT02	<b>PhD student Le Thanh Dam</b> NLU
17:00 – 17h30	<p><b>Certificate ceremony for Presentations and Posters</b></p> <p><b>Venue:</b> HUAF Meeting Hall, Building I</p> <p><b>Moderators:</b> Assoc. Prof. Tran Thanh Duc, HUAF; Dr. Roger Francois, CIRAD Prof. Hoang Thi Thai Hoa, HUAF</p>	<p><b>Assoc. Prof. Pham Huu Ty,</b> HUAF</p> <p>All participants</p>
18:30 - 21:30	<p align="center"><b>GALA DINNER</b></p> <p><b>Location:</b> Le Cinema room, Morin Hotel</p> <p><b>Address:</b> 30 Le Loi str., Hue City</p>	<p>All participants with registration</p> <p>Invited delegates</p>



Time	Activities	Speaker/Presenter
8:00 – 12:00	<b>Morning, Friday 29 August, 2025 – Fieldtrip</b> <b>Places:</b> Onion farms at Huong An ward and Pennywort farms at Quang Tho village, Quang Dien commune, Hue city, Vietnam. <b>Coordinators:</b> Assoc. Prof. Tran Thi Thu Ha, Assoc. Prof. Tran Thi Hoang Dong, Dr. Tran Thi Huong Sen, Dr. Vu Tuan Minh and Msc. Le Khac Phuc, HUAF.	OC members; All participants with registration
8:00 – 9:00	Departure to the visiting sites	Pick-up location: Morin Hotel /HUAF
9:00 – 12:00	Field observations and sightseeing Onion farms and Pennywort farms	All participants; Farm owner
12:00 - 13:30	Lunch with local foods <b>Place: Song Huong 2 restaurant</b> <b>Address: 96 Thai Phien str., Hue city</b>	All participants with registration
14:00 - 16:00	<b>Afternoon, Friday 29 August, 2025 – Networking session</b> <b>Venue:</b> Meeting room No. 01 (The 1 <sup>st</sup> floor, Building I) <b>Co-chair:</b> Assoc. Prof. Tran Thi Thu Ha, HUAF Dr. Pierre Lefeuvre, CIRAD Participating Organizations (CIRAD, CTU, NLU, VNUA, PPRI, HUAF), CABI, TUAT, Karsetsat Uni., UNAND, Sponsors and foreigner experts. <b>Key persons:</b> Assoc. Prof. Tran Thanh Duc, Rector, HUAF Prof. Tran Dang Hoa, HUEUNI Dr. Nguyen Van Liem, PPRI Assoc. Prof. Pham Huu Ty, HUAF Prof. Hoang Thi Thai Hoa, HUAF Assoc. Prof. Phan Thi Phuong Nhi, HUAF Assoc. Prof. Le Van Vang, CoA, CTU Assoc. Prof. Ha Duy Truong, TUAF Assoc. Prof. Le Khac Hoang, NLU Assoc. Prof. Le Ngoc Anh, VNUA Assoc. Prof. Tran Thi Hoang Dong, HUAF. Dr. My Syahrawati, UNAND	
14:00-14:10	Speech of the Rector of HUAF	Assoc. Prof. Tran Thanh Duc, Rector, HUAF
14:00-14:30	Conference review	Dr. Pierre Lefeuvre, CIRAD Prof. Hoang Thi Thai Hoa, HUAF
14:30-15:00	Future collaboration discussion	All participant of session





Time	Activities	Speaker/Presenter
15:00-15:30	Nominate the Host and assign tasks to the organizing conference Team for the 3rd conference- ICBPSA 2027	Participating Organizations, CIRAD
15:30-15:45	MoU and AI signing ceremony between HUAF and UNAND, Indonesia	Assoc. Prof. Tran Thanh Duc, Rector, HUAF; Assoc. Prof. Pham Huu Ty, HUAF; Prof. Hoang Thi Thai Hoa, HUAF; Dr. My Syahrawati, UNAND Assoc. Prof. Tran Thi Hoang Dong, HUAF;
15:45-16:00	Closing the ICBPSA 2025	All participant of session

#### Contact persons

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