International Conference on BioProtection for Sustainable Agriculture 2023 (ICBPSA23)

Conference program

Morning, Wednesday 26 July 2023		
7:15-7:45	Registration	CTU Hi - Tech Building (gate B)
	Opening Ceremony	
8:00-8:45	Opening session (ATL - Meeting Room)	- CTU - French Embassy - CIRAD & ASEA
8:45-9:00	Group photo & Tea break	
Plenary session: General crop protection approaches linked to bioprotection		CTU Hi - Tech Building Meeting room
Moderate	ors: Dr. Jean-Philippe Deguine, Dr. Le Van Vang	
9:00-9:25	PLP1. Using insect natural enemies as biological control agents for crop protection in Vietnam	Dr. Tran Dang Hoa Hue University of Agriculture and Forestry, Vietnam
9:25-9:50	PLP2. Agriculture and human infectious disease risk: Some crop protection practices may be part of the problem, but Bioprotection is a One Health-smart solution	Dr. Alain Ratnadass CIRAD, Réunion
9:50-10:15	PLP3. From upland-paddy crop rotation to biological soil disinfestation using ethanol in Japan	Mr. Seiji Uematsu Tokyo University of Agriculture and Technology, Tokyo, Japan
10:15-10:30	Tea break	
10:30-10:55	PLP4. What place for Bioprotection in Agroecological Crop Protection?	Dr. Jean-Philippe Deguine CIRAD,Vietnam
10:55-11:20	PLP5. The importance of transdisciplinary collaboration and partnerships to improve	Dr. Alison Watson CSIRO Health & Biosecurity, Singapore

	plant health and pest and disease management in Southeast Asia		
11:20-11:45	PLP6. Improving knowledge of the factors determining the protective efficacy of biocontrol against plant diseases for a better use in the field	Dr. Marc Bardin INRAE, France	
11:45- 12:45	LUNCH	CTU Hi - Tech Building	
	Afternoon, Wednesday 26 July 2023		
	Parallel sessions :		
Session 1: Mic	robial agents for control of plant pathogens		
	ironmentally friendly methods for control of pivorous insects	The 4 th Floor- Learning resource center (LRC)	
Session 1: Microbial agents for control of plant pathogens			
Modera	tors: Dr. Tran Thi Thu Ha, Dr. Tuan Minh Tran	Room 1-LRC	
13:00-13:25	S1P1. Biological control <i>Phytophthora capsici</i> on black pepper by antagonistic bacteria <i>Pseudomonas putida</i> in Vietnam	Dr. Tran Thi Thu Ha Hue University of Agriculture and Forestry, Vietnam	
13:25-13:50	S1P2. Inhibitory Properties of <i>Bacillus</i> sp. strain 55-7 Against Plant Pathogenic Fungi and Its Potential for Plant Growth Promotion in Organic Farming	Dr. Koonsirin Buraphan King Mongkut's University of Technology Thonburi, Thailand	
13:50-14:15	S1P3. The Role of Plant Growth-Promoting Bacteria in Reducing Pathogenic Diseases on Crops	Dr. Nguyen Bao Quoc Nong Lam University, Vietnam	
14:15-14:40	S1P4. Biocontrol potential of <i>Bacillus</i> amyloliquefaciens BR15 against bacterial leaf blight disease of rice caused by <i>Xanthomonas</i> oryzae pv. oryzae	Dr. Tran Vu Phen Can Tho University, Vietnam	
14:40-14:55	Tea break		
14:55-15:20	S1P5. Plant Protection Research Institute: Research and development achievements in probiotics from benefit microorganisms for soil born diseases management	Dr. Nguyen Thi Chuc Quynh Plant Protection Research Institute, Hanoi, Vietnam	

15:20-15:45	S1P6. Bioactivity of rhizospheric bacteria against Ralstonia solanacearum causing wilt disease on Solanacearum plants	Dr. Vo Thi Ngoc Ha Nong Lam University. Viet nam
15:45-16:10	S1P7. Efficacy of <i>Bacillus subtilis</i> CaSUT007 and CaSUT008 on growth and disease resistance in cucumber plants	Dr. Le Thanh Toan Can Tho University, Viet nam
16:10-16:35	S1P8. Introduction <i>Bacillus subtilis</i> QST 713 & Bioefficacy research on <i>Magnaporthe grisea</i> , <i>Ralstonia solanacearum/Fusarium solani</i> on Tomato; <i>Phytophthora capsici</i> on Chili by soil application.	Mr. Ronald Arabit, Bayer SEA&P Dr. Truong Phuoc Thien Hoang, Research of Institute Biotechnology and Environment (RIBE)
16:35- 17:00	S1P9. Efffects of biofumigation on soil microorganisms	Dr. Le Phuoc Thanh Can Tho University, Vietnam
	Environmentally friendly methods for control of herbivorous insects	Room 2-LRC
Moder	rators: Dr. Ando Tetsu, Dr. Nguyen Duc Tung	
13:00-13:25	S2P1. Biological Control of Insect Pests in Vietnam: The Role of Predatory Mites in Sustainable Agriculture	Dr. Nguyen Duc Tung Vietnam National University of Agriculture, Hanoi
13:25-13:50	S2P2. The invasion of Black Headed Caterpillar (Opisina arenosella) into Vietnam and its bio-controls	Dr Le Khac Hoang Nong Lam University, Hochiminh City - Vietnam
13:50-14:15	S2P3. Convenient diets for the development and reproduction of predator big-eyed bug <i>Geocoris ochropterus</i> Fieber (Hemiptera: Geocoridae)	Dr.Nguyen Ngoc Bao Chau Ho Chi Minh City Open University, Vietnam
14:15-14:40	S2P4. The appearance and biological characteristics of <i>Lasioseius</i> sp., a predator controlling Panicle rice mite (<i>Steneotarsonemus spinki</i> Smiley) in Thua Thien Hue Province	Dr. Tran Thi Hoang Dong Hue University of Agriculture and Forestry, Vietnam
14:40-14:55	Tea break	
14:55-15:20	S2P5. Recent Studies on the Biological Control of Insect Pests on Agricultural Crops in Viet Nam	Dr. Dao Thi Hang Plant Protection Research Institute (PPRI), Ha Noi, Vietnam

15:20-15:45	S2P6. Female sex pheromone and its application for management of fall armyworm Spodoptera frugiperda (J.E. Smith) on maize crop in Vietnam	Dr. Tran Thi Thu Phuong Vietnam National University of Agriculture, Hanoi	
15:45-16:10	S2P7. Effect of temperature on growth and pathogencity of <i>Beauveria bassiana BB1</i> isolated from black pepper soil against root mealybug <i>Formicococcus sp.</i> (Homoptera: Pseudococidae) in Đak lak province	Ms. Tran Thi Hue Tay Nguyen University, Hue University, Vietnam	
16:10-16:35	S2P8. Effect of <i>Paenibacillus tylopili</i> on production pileups of <i>Tylopilus felleus</i> under In vivo	Dr. Tran Thanh Thy Tan Tao University, Vietnam	
16:35- 17:00	S2P9. isolation and evaluation of the ability to degrade chitin and protein by extracellular enzymes of some strains of <i>Metarizium</i>	Ms Trương Thi Ngoc Han LocTroi Group Vietnam	
18:30-21:00	Gala dinner	Nesta hotel	
Morning, Thursday, 27 July 2023			
Plenary session: Fields of study or case studies with a generic application in bioprotection Moderators: Dr. Samunder Singh, Dr. Jean-Noël Aubertot CTU Hi - Tech Building Meeting room			
Moderato		CTU Hi - Tech Building Meeting room	
Moderato. 8:00-8:25		Dr. Tetsu Ando Tokyo University of Agriculture and	
	rs: Dr. Samunder Singh, Dr. Jean-Noël Aubertot PLP7. Lepidopteran sex pheromones: wonderland	Meeting room Dr. Tetsu Ando Tokyo University of	
8:00-8:25	PLP7. Lepidopteran sex pheromones: wonderland for an agricultural chemist PLP8. Research and application of insect semiochemicals for sustainable insect pest management in the Mekong delta of	Dr. Tetsu Ando Tokyo University of Agriculture and Technology, Japan Dr. Le Van Vang Can Tho University,	
8:00-8:25 8:25- 8:50	PLP3. Research and application of insect semiochemicals for sustainable insect pest management in the Mekong delta of Vietnam PLP9. Startup in Induced Resistance for Plant	Dr. Tetsu Ando Tokyo University of Agriculture and Technology, Japan Dr. Le Van Vang Can Tho University, Vietnam Dr. Kumrai Buensanteai Suranaree University of	

9:55- 10:20	PLP11. Invasion and biocontrol of <i>Bactrocera</i> dorsalis (Tephritidae) in Indian Ocean	Dr. Laura Moquet CIRAD	
10:20-10:45	PLP12. Innovative non-chemical approaches for sustainable weed management	Dr. Samunder Singh President, International Weed Science Society & Director Agronomy	
10:45-11:10	PLP13. Isolation and identification of allelochemicals for the developing sustainable agriculture	Dr. Hisashi Kato-Noguchi Kagawa University, Japan	
11:10-11:35	PLP14. An overview of the national action plan for pesticide reduction in France. Development of bioprotection	Dr. Jean-Noël Aubertot UMR AGIR, INRAE	
11:35-12:00	PLP15. Plasma membrane nanodomain: a new frontier in fighting plant diseases	Dr. Tuan Minh Tran University of South Alabama, USA	
12:00- 12:45	LUNCH	CTU Hi - Tech Building	
	Afternoon, Thursday 27 July 2023		
Parallel sessions: Session 1: Microbial agents for control of plant pathogens (Continued) Session 3: Non-living agents for control of plant pathogens and disease diagnosis Session 4: Weed science and allelochemicals for crop protection		The 4 th Floor- Learning	
Session 3: Nor dise	n-living agents for control of plant pathogens and ase diagnosis	resource center (LRC)	
Session 3: Nor dise Session 4: We	n-living agents for control of plant pathogens and ase diagnosis		
Session 3: Nor dise Session 4: We Session 1:	n-living agents for control of plant pathogens and ase diagnosis ed science and allelochemicals for crop protection Microbial agents for control of plant pathogens	resource center (LRC) Room 1- LRC	
Session 3: Nor dise Session 4: We Session 1:	n-living agents for control of plant pathogens and ase diagnosis ed science and allelochemicals for crop protection Microbial agents for control of plant pathogens (Continued)		

13:50-14:15 14:15-14:40	S1P12. Potential utilization of plant viruses as agents for the control of plant diseases S1P13. Deletion in the n-terminal region of the hcpro of east asian passiflora virus to generate attenuated mutants for cross protection	Dr. Ha Viet Cuong Vietnam National University of Agriculture Dr. Do Duy Hung Plant Protection Research Institute, Vietnam
14:40-14:55	Tea break	
14:55-15:20	S1P14. Efficacy of bacteriophages in controlling bacterial wilt caused by <i>Ralstonia</i> solanacearum Smith on plants in Viet Nam	Dr. Nguyen Thi Thu Nga Can Tho University, Vietnam
15:20-15:45	S1P15. Prospects for sustainable plant disease management in the Mekong Delta of Vietnam	Dr. Nguyen Dac Khoa Can Tho University Vietnam
15:45-16:10	S1P16. Isolation of endophytic bacteria from Pinto peanut (<i>Arachis pintoi</i>) in Can Tho province with antibacterial ability on <i>Erwinia</i> spp.	Ms. Nguyen Thanh Dung Can Tho University, Vietnam
16:10-16:35	S1P17. Biological management of rice blast diseases by endophytic fungi	Dr. Nguyen Thi Thanh Xuan Tra Vinh University, Vietnam
16:35-17:00	S1P18. Selection and application of <i>Trichoderma</i> and <i>Paecillomyces</i> fungal strains in the prevention of nematodes	Mr. Huynh Minh Chau Loc Troi Group, Vietnam
17:00-17:25	S1P19. Management of bacterial grain rot of rice by bacteriophages in the Mekong Delta of Vietnam	Dr. Doan Thi Kieu Tien Can Tho University Vietnam
Session 3: Non-living agents for control of plant pathogens and disease diagnosis Moderators: Dr Alison Watson, Dr. Kumrai Buensanteai		Room 2 – LRC
13:00-13:25	S3P1. The role of Chitinase in plant nematode bioprotection	Dr. Nguyen Van Nam Tay Nguyen University, Vietnam
13:25-13:50	S3P2. Preparation, characterization and antifungal activity on <i>Puccinia arachidis</i> cause groundnut rust of salicylic acid/chitosan nanoparticle	Dr. Le Nghiem Anh Tuan Vietnam Academy of Science and Technology
13:50-14:15	S3P3. Pathogen identification and control of longan fruit rot in Ba Ria-Vung Tau Province of Vietnam using chitosan	Mr. Chu Trung Kiên Vietnam Academy of Science and Technology

14:15-14:40	S3P4. Potential of Silica Nanoparticles in Plant Protection and Mitigating Climate Change Impact	Dr Nguyen The Cuong Cuu Long Delta Rice Research Institute, Cantho, Vietnam
14:40-14:55	Tea break	
14:55-15:20	S3.P5 Antifungal potential of aqueous garlic extract and carapa oil as biopesticides for the control of tomato late blight (Solanum lycopersicum L.)	Dr. Gadji Andre Food Crops Research Station of CNRA, Côte d'Ivoire
15:20-15:45	S4.P6. Biological properties of aerated compost tea versus non-aerated compost tea derived from coir pith compost	Dr. Sasithorn Kusuwanwichid Mongkut University of Technology Thonburi, Thailand
15:45-16:10	S3P7. Efficacy of elicitors calcium chloride and salicylic acid in controlling anthracnose and several important diseases in scallion plants in field conditions	Mr. Nguyen Quoc Thai Cuu Long University, Vietnam
16:10-16:35	S3P8. Resistance evaluation and genetics inheritance of <i>Pita</i> controlling blast disease in F3 population from MTL859/OM7347	Mr. Nguyen Khanh Duy, Can Tho University, Vietnam
16:35-17:00	S3P9. Determination for the causing factor of the stem end rot disease in pomelo (<i>Citrus maxima</i>) in Ben Tre province	Dr. Nguyen Quoc Khuong Can Tho University, Vietnam
Session 4: We	eed science and allelochemicals for crop protection	Room 3 – LRC
Moder	ators: Dr. Hisashi Kato-Noguchi, Dr Ho Le Thi	
13:00-13:25	S4P1. Determination of published allelochemicals in rice varieties with cloud-based metabolomics platform	Dr. Ho Le Thi Cantho University, Vietnam
13:25-13:50	S4.P2. Plants containing allelochemicals in the Mekong Delta, Vietnam	Ms. Phan Thi Thu Hien Ha Noi Padagogical University 2, Vietnam
13:50-14:15	S4.P3. Synergistic effect of volatiles from newly wounded leaf sheathes of mangrove palm (Nypa fruticans) on the aggregate attraction of the lesser coconut weevil (Diocalandra frumenti) inhabiting Mekong Delta of Vietnam	Dr. Le Van Vang Can Tho University, Vietnam

14:15-14:40	S4.P4. Chemical composition, antioxidant activity, cholinesterase inhibitor and in vitro insecticidal potentiality of essential oils of <i>Lippia multiflora</i> Moldenke and <i>Eucalyptus globulus</i> Labill. on the main carpophagous pests of cotton plant in Côte d'Ivoire	Dr. Koffi Christophe Kobenan National Centre of Agronomic Research (CNRA), Côte d'Ivoire
14:40-14:55	Tea break	
14:55-15:20	S4.P5. Towards Agroecological Crop Protection of rice in Cambodia	Dr. Jean-Noël Aubertot UMR AGIR, INRAE
15:20-15:45	S4.P6 Effects of different densities of artificially infected weedy rice on yield and yield components of the common rice variety OM5451	Dr. Nguyen The Cuong Cuu Long DeltaRice Research Institute (CLRRI), Vietnam
15:45-16:10	S4.P7 Biological control of <i>Hiptage benghalensis</i> (Malpighiaceae) in Réunion (France). Research of natural enemies in Vietnam	Ms. Lam Thi Xuan Mai Can Tho University, Vietnam
16:10-16:35	S4P8 Phytotoxicity of meoh extracts from <i>Cosmos</i> bipinnatus and <i>Cosmos sulphureus</i> on selected test plant species	Ms. Trang Nguyen Thi Thuy Can Tho University, Vietnam
16:35- 17:00	S4P9. Assessing the Effects of Water Management Practices on Rice Yield and Accumulation of Arsenic and Cadmium in Rice	Dr. Huu-Phat Nguyen Vietnam National University, Ho Chi Minh City, Vietnam
Friday, 28 July 2023 Research Institution visit and Field trip		
7:00- 17:00	Departure: College of Agriculture (CTU) Visit places: 1. Southern Horticultural Research Institute (SOFRI) 2. Field Visit in Tien Giang Province 3. Southern Regional Plant Protection Center (SRPPC)	Coordinator Dr Pham Kim Son