



11th International Conference on Plant Protection in the Tropics (11th ICPPT)

Scientific Program

(VENUE: ALOFT LANGKAWI PANTAI TENGAH, KEDAH)

TUESDAY (13 th SEPTEMBER 2022)		
2000---2200	Pre-registration (Tactic 2, Ground Floor)	
WEDNESDAY (14 th SEPTEMBER 2022)		
0800--0900	Registration / Poster Set Up	
0900--0945	Opening Ceremony Venue: Sunset Hall, Level 1, Aloft Langkawi Pantai Tengah, Kedah	
0945--1015	Tea break	
1015--1100	KEYNOTE Venue: Sunset Hall (Level 1) Weeds of Rice in the Tropics: Problems and Solutions for Sustainable Agriculture <i>Prof. Dr. Denny Kurniadie, Universitas Padjadjaran, Indonesia</i> Chairperson: Dato' Prof Dr. Abdul Shukor Juraimi	
SESSION 1		
	Session 1A WEED SCIENCE AND MANAGEMENT Venue: Sunrise Hall (Level 1)	Session 1B BIOCONTROL IN PEST MANAGEMENT Venue: Tactic 1 (Level 1)
1115--1130	1A1 Weedy Rice Management in Direct Seeded Rice – Learning's from Malaysia <i>Dilipkumar Masilamany</i>	1B1 Bacterial Endophytes and Their Potential Applications as Biological Control Agents against Basal Stem Rot of Oil Palm <i>Shamala Sundram</i>
1130--1145	1A2 Herbicide Resistance Evolution in Malaysia: What Do We Know So Far? <i>Muhammad Saiful Ahmad Hamdani</i>	1B2 In silico study of putative farnesol dehydrogenase in bagworm, <i>Metisa plana</i> (Lepidoptera: Psychidae) as a foundation for biorational pesticide development <i>Anis Nadyra Ahmad Zifruddin</i>
1145--1200	1A3 Occurrence of AHAS herbicide resistance in <i>Cyperus iria</i> from Sri Lanka and Malaysia <i>Rajakpse Mudiyansele Upananda Sisira Bandara</i>	1B3 Antifungal Efficacy of Indigenous Biocontrol Agents towards Fusarium Basal Rot Disease in Shallot (<i>Allium cepa</i> var. <i>Aggregatum</i>) <i>Siti Nur Aisyah</i>

1200--1215	1A4 Control Efficacy, Crop Selectivity, and Physiological Activity of New PPO Herbicides Nurhafizah Binti Hamzah	1B4 <i>Streptomyces viridosporus</i> HH1 and <i>Rhizophagus irregularis</i> synergistically trigger defense responses to Fusarium wilt of pea, and promote the plant growth Younes M. Rashad
1215--1230	1A5 Weed Solut-Ion® (2-Sodium amine) As an Adjuvant for Weed Control in Oil Palm Plantation Kamalul Adham bin Che Ruzlan	1B5 Preliminary Study on Pollination Activity of <i>Elaeidobius kamerunicus</i> (Coleoptera: Curculionidae) at anthesising inflorescence of oil palm in Malaysia Muhamad Haziq Hadif Bin Zulkefli
1230--1400	Lunch Break	
1400--1430	PLENARY 1 Venue: Sunset Hall (Level 1) Current Issues on Plant Biosecurity in the Tropics <i>Rosmawati Selamat, Department of Agriculture Malaysia</i> Chairperson: Assoc. Prof. Dr. Norida Mazlan	
SESSION 2		
	Session 2A INSECT PEST Venue: Sunrise Hall (Level 1)	Session 2B PEST AND DISEASE CONTROL Venue: Tactic 1 (Level 1)
1445--1500	2A1 Biology and fitness of yellow stem borer (<i>Scirpophaga incertulas</i>) under different microclimate conditions. Idris Dauda	2B1 Rhamnolipid produced by <i>Pseudomonas aeruginosa</i> USM-AR2 as a potential antifungal agent against phytopathogenic fungus, <i>Fusarium oxysporum</i> Izah Adlina Binti Mohamad Shukri
1500--1515	2A2 Species Incidence of Fall Armyworm, <i>Spodoptera frugiperda</i> (J.E. Smith) on selected location in Peninsular Malaysia Ahmad Firdaus Bin Masazhar	2B2 Encapsulation of Fungicide into Metal-Organic Framework for Ganoderma Treatment Nurul Farhana Binti Ahmad Aljafree
1515--1530	2A3 <i>Colletotrichum siamense</i> associated with fig (<i>Ficus carica</i>) in Malaysia Nur Shakirah Binti Abdul Omar	2B3 Evaluation of Several Insecticides for <i>Oryctes rhinoceros</i> Beetle Control in Immature Oil Palm Nor Sarashimatun Sapien
1530--1545	2A4 Discovery of <i>Chrysoporthe</i> spp. on Eucalyptus plantation in Malaysia Ahmad Syazwan Samsuddin	2B4 Application of termite bating method against subterranean termite pest in oil palms planted on peat Abdul Hafiz Ab Majid

1545--- 1600	2A5 Alignment and mapping strategy of palm insect pest, Red Palm Weevil (<i>Rhynchophorus ferrugineus</i>) RNA-seqs data on its genome. Ahmad Faris Seman Kamarulzaman	2B5 Effect of Ganoderma Inoculum Size, Age of Oil Palm Seedlings, and Duration of Assessment for Establishment of Ganoderma Mass Screening Protocol in Oil Palm Nursery Normahnani Md Noh
1600--- 1615		2B6 Evaluation of Cholecalciferol Baits for Rat Management in Oil Palm Mohamad Thaqt Mohd Khairuddin
1615---1630	Tea Break	
1630---1730	MAPPS Annual General Meeting (Sunset Hall, Level 1)	

THURSDAY (15th SEPTEMBER 2022)

0900--0930	Plenary 2 Venue: Sunset Hall (Level 1) Development and Deployment of Unmanned Aerial Vehicle Sprayer for Pest Management in Malaysian Agriculture Sector <i>Cheong Jin Xi, CEO of AONIC, Malaysia</i> Chairperson: Assoc. Prof. Dr. Muhammad Saiful Ahmad Hamdani	
0930--1000	Plenary 3 Venue: Sunset Hall (Level 1) A microbial approach to protect banana against Fusarium wilt <i>Prof. Dr. Jennifer Ann Harikrishna, Universiti Malaya</i> Chairperson: Assoc. Prof. Dr. Nur Azura Adam	
1000--1030	Break	

SESSION 3

	Session 3A MOLECULAR PLANT PATHOLOGY Venue: Sunrise Hall (Level 1)	Session 3B SMART AGRICULTURE Venue: Tactic 1 (Level 1)
1030---1045	3A1 Molecular identification of <i>Burkholderia glumae</i> from infected rice samples in Malaysia Adam Zafri Md. Zali	3B1 Development and Spray Effectiveness Evaluation of Several Point-To-Point Unmanned Aerial Vehicle Sprayers for the Control of Oryctes Rhinoceros Beetle in Immature Oil Palm Meor Badli Shah Ahmad Rafie

1030---1045	3A2 Molecular characterization and genetic diversity of <i>burkholderia glumae</i> in rice causing panicle blight disease Yasmin Binti Ja'afar	3B2 Early Detection of Major Grassy Weeds in Rice using Hyperspectral and RGB Sensor Ts. Syarifah Noor Irma Suryani binti Syd Ahmad
1045---1100	3A3 Molecular Detection and Identification of Begomoviruses Infecting Chilli Plants in Selangor Ainur Fatin binti Mazri	3B3 Spectral Signatures Identification of Grasses, Sedges, Broadleaved Weeds, and Rice Plants for Early Growth Detection Using Hyperspectral Sensor Muhamad Noor Hazwan bin Abd Manaf
1100---1115	3A4 Exploring the Diversity of Viruses in the DNA Viromes of Tomato Plants, Adjacent Weeds and Whitefly (<i>Bemisia tabaci</i>) using Viral Metagenomics Nurul Imanie binti Azman	3B4 Digital Transformation in Agriculture - Drone, Geospatial and Precision Agriculture Nisfariza Mohd Noor
1115---1130	3A5 Weedy rice as potential genetic resources for biotic stresses Muhamad Shakirin Mispan	3B5 The Application of Thermal and Multispectral for Weed Detection in Rice Farming using Machine Learning Nik Norasma Che'Ya
1130---1145	3A6 Molecular Characterization of <i>Phytophthora palmivora</i> and Evaluation of <i>Morinda citrifolia</i> Leaf Extract Against <i>Phytophthora palmivora</i> In Controlling Stem Canker In Durian (<i>Durio zibethinus</i>) Nor Dalila binti Nor Danial	
1145---1230	POSTER JUDGING SESSION	
1230--1400	Lunch Break	
SESSION 4		
	Session 4A PLANT DISEASE Venue: Sunrise Hall (Level 1)	Session 4B ENTOMOLOGY Venue: Tactic 1 (Level 1)
1430---1445	4A1 The Prevalence of Bacterial Panicle Blight in Sarawak Traditional Paddy Varieties Asmah Salowi	4B1 Elucidation of significant developmental process from the developmental transcriptome of palm oil pest, Bagworm, <i>Metisa plana</i> (Lepidoptera: Psychidae) Nur Lina Rahmat
1445---1500	4A2 Phytophthora Stem Canker: Major Threat to Durian Cultivation in Malaysia Chong Sok Leng	4B2 In silico Prediction of Effector Proteins in Oil Palm Pest, <i>Metisa plana</i> using Transcriptomic Data Mohamad Ariff Mohamad Yussoff

1500---1515	4A3 <i>Fusarium longipes</i> as the potential pathogen associated with rice root rot disease in Malaysia Asmaul Husna	4B3 Morphological responses to juvenile hormone analog insecticide, farnesyl acetate towards oil palm pest, <i>Metisa plana</i> (Lepidoptera: Psychidae) Zainul Azri Bin Zainul Anuar
1515---1530		4B4 Revealing the food sources of adult parasitoid species, <i>Dolichogenidea metesae</i> (hymenoptera: braconidae) through metabarcoding analysis from good agriculture practice (GAP) and non-gap oil palm plantation Mohd Fuat Bin Salbi
1530--1600	Tea break	
1600--1700	Poster Award Presentation & Closing ceremony Venue: Sunset Hall (Level 1)	