

Time	September 27 - Thursday			
08:00 09:00	Registration			
09:00 10:00	Inaugural Session			
10:00 10:30	Refreshment Break			
10:30 11:00	Opening lecture (Coronet Hall) Why so many manuscripts are rejected for publication? An editorial perspective - <b>Quirico Migheli</b>			
Time	Coronet Hall	Senate Hall	Time	Orchid Hall
	Session 1: Biodiversity, Biosecurity and Conservation Strategies	Session 2: Biotechnological Approaches in Biocontrol		Session 8: Third International Workshop of the IOBC Global Working Group on Biological Control and Management of Parthenium Weed
11:00 11:30	Biodiversity bugs pests: An ecological perspective- <b>Krishna Kumar N K</b>	Small insecticidal molecules against crop pests- <b>Raj Kamal Bhatnagar</b>	11:00 11:10	Welcome & Housekeeping - <b>Lorraine Strathie</b>
11:30 12:00	Biosystematics, biodiversity and biocontrol relationships- <b>Ramamurthy VV</b>	Role of transgenic <i>Bt</i> -crops in promoting biological control and integrated pest management- <b>Manjunath T M</b>	11:10 11:20	Opening of Parthenium Weed Workshop - <b>Rangaswamy Muniappan</b>
12:00 12:15	Pest management services through conservation of biological control agents: review, case studies and field experiences- <b>Abraham Verghese</b>	Yeast volatile organic compounds inhibit ochratoxin - A production by <i>Aspergillus carbonarius</i> (Bainier)- <b>Quirico Migheli</b>	11:20 11:50	<b>Keynote address</b> – Biological control of parthenium weed ( <i>Parthenium hysterophorus</i> L.): Australian experience - <b>Kunjithapatham Dhileepan, Boyang Shi, Jason Callander and Segun Osunkoya</b>
12:15 12:30		Silencing of a <i>Meloidogyne incognita</i> mucin-like gene reduces <i>Pasteuria penetrans</i> endospore adhesion on the juvenile cuticle surface - <b>Uma Rao</b>		<b>Theme:</b> Spread and impact of <i>Parthenium hysterophorus</i> (Chair: <b>Lorraine Strathie</b> )
			11:50 12:05	Nationwide survey of parthenium weed infestation in Bangladesh: risk and threat for food security. <b>Ilias Hossain</b>
			12:05 12:20	Current spread and integrated management to contain parthenium weed in India- <b>Sushil Kumar</b>

			12:20 12:30	Parthenium Weed Workshop Group photo- <b>All</b>
12:30 14:00	<b>Lunch Break</b>			
14:00 14:15	Research to support New Zealand's plant border biosecurity - <b>Barbara Barratt</b>	<i>Trichoderma virens</i> XYPPX repeat protein (XRP1) is involved in regulation of conidiation and mycoparasitism - <b>Ravindra Bansal</b>		<b>Theme: Evaluation of biological control Chair: Sreerama Kumar Prakya</b>
			14:00 14:15	Host range evaluation of the leaf-feeding beetle <i>Zygogramma bicolorata</i> and the stem-boring weevil <i>Listronotus setosipennis</i> demonstrates their suitability for biological control of the invasive weed <i>Parthenium hysterophorus</i> in Ethiopia- <b>Wondi Mersie</b>
14:15 14:30	Predatory and parasitic insects associated with the dubas bug in date palm orchards in Oman and relationship with insecticide application - <b>Ali AlWahaibi</b>	Expression of a novel insecticidal protein from a bryophyte for control of sap sucking pests of cotton - <b>Subhi Srivastava</b>	14:15 14:30	Incidence of <i>Parthenium hysterophorus</i> and its eco-friendly control by <i>Zygogramma bicolorata</i> in Chitrakoot, Madhya Pradesh, India- <b>Ramesh Chandra</b>
14:30 14:45	Invasive alien plant species in Nepal - <b>Pramod Kumar Jha</b>	Prospecting for novel <i>Bacillus thuringiensis</i> holotype crystal toxin genes in India - <b>Singaravelu B</b>	14:30 14:45	Age, mating status and sex influence food consumption and utilisation efficiency of parthenium weed beetle, <i>Zygogramma bicolorata</i> Pallister- <b>Bhupendra Kumar</b>
14:45 15:00	Conservation strategies for management of insect pests of tobacco- <b>Sreedhar Uppalapati</b>	Characterization of an insecticidal binary-toxin 'Photox' from Indian isolates of entomopathogenic <i>Photorhabdus</i> bacteria - <b>Vishal Somvanshi</b>	14:45 15:00	Impact of <i>Zygogramma bicolorata</i> on growth of <i>Parthenium hysterophorus</i> in Nepal- <b>Seerjana Maharjan</b>
15:00 15:15	Enhancing biological suppression through manipulation of ephemeral rice field habitat - <b>Chitra Shanker</b>	Management of <i>Bt</i> resistant pink bollworm, <i>Pectinophora gossypiella</i> in transgenic cotton by Cry1Ac-Vip3AcAa fusion protein: A molecular modeling study- <b>Sindhu Thangaraj</b>	15:00 15:15	Spread of the leaf-feeding beetle <i>Zygogramma bicolorata</i> for the biological control of the invasive weed <i>Parthenium hysterophorus</i> in Ethiopia- <b>Million Abebe</b>
15:15 15:30	An Indian perspective of the neglected players for the control of nasty sucking pests - <b>Ankita Gupta</b>	Evaluating the bio-insecticidal potential of recombinant spider venom peptide, $\mu$ -digue toxin-Dc1a, against two major lepidopteran insect pests of cotton - <b>Balwant Singh</b>	15:15 15:30	Discussion- <b>All</b>
15:30 16:00	<b>Refreshment Break</b>			

				<b>Theme: Evaluation of biological control (continued)</b> Chair: Wondi Mersie
16:00 16:15	A systematic account of weed infesting fruit flies (Diptera: Tephritidae) in India - <b>David K J</b>	Morphological and molecular characterization of <i>Microplitis maculipennis</i> Szépligeti (Hymenoptera: Braconidae) from India with notes on its generic placement - <b>Venkatesan T</b>	16:00 16:15	Predicting establishment of the leaf-feeding beetle <i>Zygogramma bicolorata</i> (Coleoptera: Chrysomelidae) for the management of <i>Parthenium hysterophorus</i> (Asteraceae: Heliantheae) in India: A machine learning approach- <b>Yoghita Gharde</b>
16:15 16:30	Diversity of entomopathogenic nematodes from Uttar Pradesh and its virulence against major insect pests of vegetables - <b>Manjunatha G T</b>	Mining <i>Pseudomonas koreensis</i> P2 genome for key antimicrobial genes involved in biological control of plant diseases - <b>Alok Kumar Srivastava</b>	16:15 16:30	Establishment and early impact of introduced natural enemies to control <i>Parthenium hysterophorus</i> in South Africa- <b>Lorraine Strathie</b>
				<b>Theme: Mycoherbicides</b> Chair: Wondi Mersie
16:30 16:45	Characterization of bacterial diversity associated with brown planthopper, <i>Nilaparvata lugens</i> (Stål) and their role in insecticide resistance- <b>Guru Pirasanna Pandi</b>	Double-stranded RNA-mediated silencing of Chitin Synthase (ChS) gene affects larval development in <i>Leucinodes orbonalis</i> - <b>Shipra Saxena</b>	16:30 16:45	Current status of biological control of <i>Parthenium hysterophorus</i> using mycoherbicide- <b>Ajay Kumar Singh</b>
				<b>Theme: Plant extracts</b> Chair: Wondi Mersie
16:45 17:00	Stethorini (Coleoptera: Coccinellidae) associated with phytophagous mites of south India - <b>Vidya C V</b>	<i>de novo</i> genome sequencing and hybrid assembly approaches for complex insect genomes - <b>Dushyant Singh Baghel</b>	16:45 17:00	Phytotoxic effect of <i>Abutilon indicum</i> , <i>Tephrosia purpurea</i> , <i>Prosopis juliflora</i> and <i>Cassia occidentalis</i> - Ethanolic extracts on germination and seedling growth of the globally invasive weed <i>Parthenium hysterophorus</i> - <b>Aishwarya Andhare</b>
17:00 17:15	Record of prostigmatid predatory mites from Himachal Pradesh - <b>Jayaram C S</b>		17:00 17:15	Techniques to rear three insect agents for the biological control of <i>Parthenium hysterophorus</i> in South Africa - <b>Lorraine Strathie</b>
				<b>Theme: New initiatives-</b> Chair: Wondi Mersie
17:15 17:30	Validation of IPM in cotton in whitefly hot spot in North India - <b>Anoop Kumar</b>		17:15 17:30	Distribution and current efforts in biological control of <i>Parthenium hysterophorus</i> in Uganda- <b>Richard Molo</b>
17:30 20:00	<b>ICBC 2018 Poster session</b>			
20:00	<b>Gala Dinner</b>			

**September 28 - Friday**

Time	Coronet Hall	Senate Hall	Time	Orchid Hall
	<b>Session 3: Production and Utilization of Microbials for Insect Pest and Disease Management</b>	<b>Session 4: Biological control Compatible Approaches</b>		<b>Session 8: Third International Workshop of the IOBC Global Working Group on Biological Control and Management of Parthenium Weed</b>
				<b>Theme: New initiatives (continued)- Chair: Million Abebe</b>
08:30 09:00	Biological control in compliance with the Nagoya Protocol: access and benefit sharing - <b>David Smith</b>	Recent collaborative research progress in pheromone-based trapping systems for agri-horticultural pests management in India- <b>Sithanantham S</b>	08:30- 08:45	Importation and quarantining of the seed-feeding weevil <i>Smicronyx lutulentus</i> for prospective control of <i>Parthenium hysterophorus</i> in India - <b>Sreerama Kumar P</b>
			08:45- 09:00	Initiation of a classical biological control programme against <i>Parthenium hysterophorus</i> in Pakistan- <b>Philip Weyl</b>
09:00 09:15	Trichoderma for plant disease management- A gift of God to mankind - <b>Mukhopadhyay A N</b>	Antifungal activity against <i>Monosporascus cannonballus</i> and plant growth- promoting potential of bacteria isolated from rhizosphere of melon in Oman - <b>Dhuha Al Daghari</b>	09:00 09:15	Will parthenium weed become more invasive in the future? - The effect of elevated CO <sub>2</sub> on seeds characteristics- <b>Runping Mao</b>
09:15 09:30		Effect of <i>Bacillus</i> spp. and plant extracts from <i>Impatiens balsamina</i> L. on anthracnose disease caused by <i>Colletotrichum</i> spp. on mango in Vietnam – <b>Nguyen Van Hoa</b>	09:15 09:45	Discussion - <b>All</b>
09:30 09:45	Entomopathogenic fungal x bacterial interactions: potential implications for aphid biocontrol- <b>Justin Hatting</b>	Fruit fly management in Nepal - a case from plant clinics- <b>Debraj Adhikari</b>	09:45 10:15	Recommendations arising from Parthenium Weed Workshop - <b>All</b>
09:45 10:00	A baseline study using Plantwise information to assess the contribution of extension services to the uptake of augmentative biological control in selected low to lower middle-income countries- <b>Steven Edgington</b>	Effect of insecticides on adult and preimaginal stages of <i>Trichogramma chilonis</i> Ishii (Hymenoptera: Trichogrammatidae) and its parasitisation potential - <b>Kamaldeep Sangha</b>	10:15 10:50	Future actions and directions of the IOBC Global Working Group on Parthenium Weed - <b>All</b>

10:00 10:15	Bio-protection of cucumber seedlings from <i>Pythium aphanidermatum</i> with native antagonistic rhizobacteria- <b>Issa Al-Mahmooli</b>	Bio-intensive pest management in rice – Go green initiative! - <b>Gururaj Katti</b>		
10:15 10:30	Microbial control of filth flies using fungal, viral, and bacterial agents - <b>Christopher Geden</b>	Compatibility and efficacy of entomopathogenic nematode-insecticide combinations against <i>Holotrichia consanguinea</i> Blanch. (Coleoptera: Scarabaeidae) - <b>Jagadeesh Patil</b>	10:50 11:00	Closing remarks & closure of Parthenium Weed Workshop- <b>Lorraine Strathie</b>
10:30 10:45	Emerging opportunities in field of capacity building and development to promote use of microbial pesticide in Asia - <b>Malvika Chaudhary</b>	Biofumigation - An effective tool in enhancing yield of capsicum ( <i>Capsicum annum</i> ) by suppressing soil-borne pathogens and augmenting biopesticides like <i>Trichoderma viride</i> and <i>Pseudomonas fluorescens</i> under protected cultivation in India - <b>Swapan Ghosh</b>		
10:45 11:00	Characterization and evaluation of nucleopolyhedroviruses against lepidopteran pests of crops- <b>Sivakumar G</b>	Eco friendly pest and disease management practices in groundnut - <b>Gayathri Subbiah</b>		
11:00 11:30	<b>Refreshment Break</b>			
				<b>Session 9: Workshop of the IAPPS Working Group on <i>Tuta absoluta</i> - Biology, Ecology and Management</b>
11:30 11:45	Potential use of bacterial endophytes and carbendazim tolerant <i>Trichoderma</i> for the management of pomegranate wilt caused by <i>Ceratocystis fimbriata</i> - <b>Sriram S</b>	Compatibility of insecticides with entomopathogenic fungi, <i>Metarhizium</i> spp. and <i>Beauveria</i> spp. for bio-intensive management of pink mealybug, <i>Maconellicoccus hirsutus</i> (Green) in grapes, <i>Vitis vinifera</i> Linnaeus - <b>Deependra S Yadav</b>	11:40 12:10	<b>Chair: Muniappan R</b>  Keynote address: Multi-pathway models to understand the spread and impact of <i>Tuta absoluta</i> - <b>Abhijin Adiga</b>
11:45 12:00	Entomopathogenic nematodes: Isolation from sugarcane fields of subtropical India, bio-efficacy studies against white grub and mass production by monoxenic liquid fermentation technique - <b>Sankaranarayanan Chellappa</b>	Exploitation of mutualistic fungal symbiont <i>Fusarium ambrosium</i> for the suppression of tea shot holeborer, <i>Euwallacea fornicatus</i> - <b>Mahendran P</b>	12:10 12:25	Role of IPM Innovation Lab in Management of <i>Tuta absoluta</i> - <b>Maniappan R</b>

	<b>Session 5: Biological Control of Invasive Pests and Weeds</b>	<b>Session 4: Biological control Compatible Approaches</b>		
12:00 12:15	Classical biological control of invasive weeds – a historical perspective, challenges and future prospects - <b>Djami Djeddour</b>	BIPM modules against shoot and fruit borer, <i>Leucinodes orbonalis</i> (Guenée) in eggplant, <i>Solanum melongena</i> L. - <b>Rabinder Kaur</b>		
12:15 12:30		Impact of transgenic Bt cotton (Cry1Ac and Cry2Ab) on the parasitoid, <i>Aenasius arizonensis</i> (Girault): a host mediated tri-trophic analysis - <b>Parminder Shera</b>	12:25 12:30	<i>Tuta absoluta</i> Workshop Group photo - <b>All</b>
12:30 14:00	<b>Lunch Break</b>			
14:00 14:15	Functional traits variation of an invasive weed <i>Ageratina adenophora</i> (Asteraceae) along an elevation gradient in Chitwan-Annapurna Landscape, Nepal - <b>Anju Sharma Poudel</b>	Developing biocontrol and bio-based recommendations for plant doctors in Myanmar using CABI Plantwise online data - <b>Kyin Kyin Win</b>	14:00 4:15	Tomato pinworm, <i>Tuta absoluta</i> (Meyrick): Biology, host range, population build-up and biocontrol options for its management - <b>Mohan M</b>
14:15 14:30	The spiralling whitefly, <i>Aleurodicus dispersus</i> Russell (Hemiptera: Aleyrodidae) in banana plantations in Costa Rica - <b>Helga Blanco-Metzler</b>	Efficacy of entomopathogens for the management of leafhoppers ( <i>Idioscopus</i> spp.) and thrips ( <i>Scirtothrips dorsalis</i> Hood) on mango - <b>Poluru V Reddy</b>	14:15 14:30	Thermal requirements of <i>Tuta absoluta</i> (Meyrick) and influence of temperature on its population growth on tomato – <b>Sharma P L</b>
14:30 14:45	Effects of different temperatures on development and reproduction of <i>Aenasius arizonensis</i> (= <i>bambawalei</i> ) (Hymenoptera: Encyrtidae) - <b>Nooshin Zandi Sohani</b>	Effect of herbicides on feeding, survival and development of <i>Haltica cyanea</i> , potential biocontrol agent of the dicot weed, <i>Ammana baccifera</i> , in rice ecosystem- <b>Padmakumari AP</b>	14:30 14:45	Controlled release matrix for delivery of South American tomato moth, <i>Tuta asboluta</i> (Meyrick) (Lepidoptera: Gelechiidae) pheromone - <b>Subaharan K</b>
14:45- 15:00	Biological control potential of the new invasive fall armyworm, <i>Spodoptera frugiperda</i> , in smallholder farming in Africa - <b>Tadele Tefera</b>	Area wide farmer participatory biomangement of rhinoceros beetle in coconut plantations - <b>Chandrika Mohan</b>	14:45 15:00	Distribution and genetic diversity of tomato leafminer, <i>Tuta absoluta</i> population in India in relation to sterile insect technique application – <b>Ashok Hadapad</b>

15:00 15:15	Identification and characterization of larval salivary gland polytene chromosomes of the peach fruit fly, <i>Bactrocera zonata</i> (Saunders) (Diptera: Tephritidae) - <b>Farzana Yesmin</b>	Investigation, electrophysiological and behavioural response to the GLV and sex pheromone components of Indian rice pink stem borer, <i>Sesamia inferens</i> (Walker), (Lepidoptera: Noctuidae) - <b>Sampathkumar M</b>	15:00 15:15	Functional response of indigenous species <i>Nesidiocoris tenuis</i> (Reuter) to invasive leafminer, <i>Tuta absoluta</i> (Meyrick)- <b>Saraswati Negi</b>
		<b>Session 7: Biological Control: Industrial Perspective and Policy Issues</b>		
15:15 15:30	Releases of egg parasitoid, <i>Anastatus fulloi</i> for control of litchi stink bug, <i>Tessaratoma papillosa</i> - <b>Yi Hui Wu</b>	Access and benefit sharing and classical biological control: The role of IOBC - <b>Barbara Barratt</b>	15:15 15:30	Evaluation of biological control options for the management of <i>Tuta absoluta</i> (Meyrick) (Lepidoptera: Gelechiidae) on tomato – <b>Sridhar Vaddi</b>
15:30 15:45	Impact of release of classical weed controlling agent <i>Cecidochara connexa</i> (Macquart) (Diptera: Tephritidae) on the population of Siam weed <i>Chromolaena odorata</i> King and Robinson (Asteraceae) in Karnataka - <b>Shylesha A N</b>		15:30 15:45	Efficacy of integrated pest management tools evaluated against <i>Tuta absoluta</i> (Meyrick) (Lepidoptera: Gelechiidae) on tomato in India – <b>Padavala Swathi</b>
15:45 16:15	<b>Refreshment Break</b>			
16:15 16:30	Aphid population modified the biocontrol activity of ladybirds - <b>Desh Deepak Chaudhary</b>	Current status and future perspectives of natural enemies for pest control in Taiwan - <b>Lu Mei-Chun</b>	16:15 16:30	<i>Tuta absoluta</i> , a new pest in IPM tomatoes in the Senegal - <b>Elhadji Seigne Sylla</b>
16:30 16:45	Biological suppression of invasive rugose spiraling whitefly <i>Aleurodicus rugioeperculatus</i> Martin in coconut - <b>Selvaraj K</b>	Evaluation of different volumes of larvae L3 of <i>Ceratitidis capitata</i> in parasitic devices to <i>Diachasmimorpha longicaudata</i> in massive breeding conditions in the fruit fly national program, Costa Rica - <b>Rosy Morera-Montoya</b>	16:30 16:45	Evaluation of different management options against South American tomato leafminer, <i>Tuta absoluta</i> in Nepal – <b>Lalit Sah</b>
16:45 17:00	Influence of weaver ant, <i>Oecophylla smaragdina</i> Fabricius (Hymenoptera: Formicidae) on mealybug parasitism by encyrtid parasitoid (Chalcidoidea: Encyrtidae) - <b>Nalini T S</b>	An assessment on the role of different stakeholders for the promotion of bio-pesticides in Nepal - <b>Shalik Adhikari</b>	16:45 17:00	Risk assessment and management of tomato leafminer, <i>Tuta absoluta</i> - <b>Hossain M S</b>

17:00 17:15		Development, registration and commercialization of smart agri biologicals for sustainable crop production and protection: challenges and opportunities - <b>Virender Dhingra</b>	17:00 18:20	Discussion - <b>All</b>
17:15 18:30	<b>ICBC Poster session</b>		18:20 18:30	Closing remarks & closure of <i>Tuta absoluta</i> Workshop – <b>Muniappan R</b>
18:30 20:00	<b>Cultural Events</b>			
20:00	<b>Dinner</b>			



Time	September 29 - Saturday
08:30	<b>Field visit for Third International Workshop of the IOBC Global Working Group on Biological Control and Management of Parthenium Weed</b>
	<b>Coronet Hall</b>
	<b>ICBC Session 6: Production and Utilization of Macrobiols for Insect Pest Management</b>
08:30-09:00	Optimizing the genetics of biocontrol agents for classical and augmentative applications - <b>Richard Stouthamer</b>
09:00-09:30	Macrobiols losing out to microbiols: How to tilt the scales? - <b>Chandish R Ballal</b>
09:30-09:45	Classical biological control of insects and their impact in developed and developing countries: A comparison using the BIOCAT database - <b>Stefan Toepfer</b>
09:45-10:00	Efficacy of augmentative release of the parasitoid wasp, <i>Bracon hebetor</i> Say against the pearl millet ear-head miner - <b>Mame Fatoumata Goudiaby</b>
10:00-10:15	Development of an automated production system for lacewings - <b>Joe Air Jiang</b>
10:15-10:30	Optimizing the mass production system of lacewing - <b>Hungju Chen</b>
10:30-11:00	<b>Refreshment break</b>
11:00-11:15	Biological control potential of two species of tephritid fruit fly by parasitoid wasps (Braconidae: Opiinae) - <b>Mor Salomon</b>
11:15-11:30	A new approach in the tricho card preparation for the inundative release of <i>Trichogramma</i> spp. - <b>Jeyarajan Nelson S</b>
11:30-11:45	Incidence of egg and larval parasitoids of <i>Chilo partellus</i> (Swinhoe) in kharif maize - <b>Pradyumn Kumar</b>
11:45-12:00	Spatial distribution of cabbage aphid, <i>Brevicoryne brassicae</i> (L.) and its parasitoid, <i>Diaeretiella rapae</i> (McIntosh), under sub-temperate conditions of Himachal Pradesh, India - <b>Subhash Chander Verma</b>
12:00-12:15	Potential of <i>Sancassania</i> sp. as a biocontrol agent of white grub species (Coleoptera: Scarabaeidae) - <b>Sreedevi Kolla</b>
12:15-12:30	Field efficacy of the larval parasitoid, <i>Bracon brevicornis</i> (Wesmael) for the management of mulberry leaf roller, <i>Diaphania pulverulentalis</i> Hampson on mulberry in Tamil Nadu and its safety to silkworm, <i>Bombyx mori</i> Linnaeus - <b>Mahiba Helen</b>
12:30-14:00	<b>Lunch Break</b>
14:00-14:15	Influence of host plant on the biology of <i>Tetranychus truncatus</i> Ehara (Prostigmata: Tetranychidae) and its predator, <i>Neoseiulus longispinosus</i> (Evans) (Mesostigmata: Phytoseiidae) - <b>Haseena Bhaskar</b>
14:15-14:30	Reproductive performance of <i>Trichomalopsis uziae</i> Sureshan and Kumar, as influenced by density of its female and host with a note on host exposure duration for parasitism- <b>Narendra Kumar J B</b>
14:30-14:45	Effect of inoculative releases of <i>Trichogramma chilonis</i> Ishii against early shoot and internode borers in sugarcane – <b>Visalakshi Mahanthi</b>
14:45-15:00	Studies on the predatory potential of <i>Geocoris ochropterus</i> (Fieber) (Hemiptera: Lygaeidae) – <b>Richa Varshney</b>
15:00-15:15	Biointensive pest management strategies for the control of bud borer, <i>Hendecasis duplifascialis</i> Hampson, and blossom midge, <i>Contarinia maculipennis</i> Felt in jasmine - <b>Suganthi Gopinathan</b>
15:15-16:00	<b>Poster Session</b>
16:00-16:30	<b>Plenary session</b>
16:30-17:30	<b>Refreshment break followed by General Body Meeting of Society for Biocontrol Advancement, Bengaluru</b>

## Poster Sessions: Utsav Hall

### Session 1: Biodiversity, Biosecurity and Conservation Strategies (September 27 - Thursday)

- S1 PP 1 **New distributional record of *Steinernema hermaphroditum* (Nematoda: Steinernematidae) from Kerala, India**  
Anes K M, Jinu Sivadasan, Merin Babu and Joseph Rajkumar A
- S1 PP 2 **Diversity of spiders in the tomato ecosystem**  
Anusree S S and Mithra Mohan
- S1 PP 3 **Characterization of entomopathogenic nematodes from subtropical regions of India and their efficacy against soil-dwelling life stage of *Helicoverpa armigera***  
Devindrappa M, Jagadeesh Patil, Bansa Singh and Krishan Kumar
- S1 PP 4 **Survey and surveillance of natural enemies in mango ecosystem**  
Gundappa, Balaji Rajkumar and Shukla P K
- S1 PP 5 **The diversity of coccinellid predators of sucking pests on temperate fruits in Jammu and Kashmir**  
Mahendiran G
- S1 PP 6 **Diversity, abundance and predation potential of major aphidophagous predators of *Aphis odinae* (Van der Goot) (Hemiptera: Aphididae) in cashew**  
Maruthadurai R and Desai A R
- S1 PP 7 **Predictive habitat distribution modelling framework for root-knot nematode, *Meloidogyne enterolobii* - an emerging pest in India**  
Prasanna Holajjer, Sivaraj N, Bharath H Gawade, Khan Z and Sarath Babu B
- S1 PP 8 **Biodiversity of pollinators in four bee-friendly plant species**  
Pratheepa M, Amala U and Shivalingaswamy T M
- S1 PP 9 **Arthropod diversity in rose, jasmine and cock's comb ecosystem**  
Ramya R S, Ganesh Kumar M and Ranjith M
- S1 PP 10 **Report of a mermithid nematode infecting *Spodoptera* spp., *Amya axis* and *Chrysodeixis* spp. in the southern districts of Rajasthan**  
Ramesh Babu S, Somvanshi V S, Meena P K, Victor Phani, Khan M R, Khushbu Chauhan and Pramod Rokadia
- S1 PP 11 **Seasonal incidence and natural enemy complex of aphid, *Aphis punicae* Passerini (Hemiptera: Aphididae) infesting pomegranate in Kashmir**  
Sajad Mir and Naveed Anjum
- S1 PP 12 **Redescription and biology of a common predatory pentatomid, *Eocanthecona furcellata* (Wolff) (Hemiptera: Pentatomidae: Asopinae)**  
Salini Santhamma
- S1 PP 13 **Diversity of erebid moth (Lepidoptera: Erebiidae) of Aligarh, Uttar Pradesh, India, their pest status and biocontrol to some economically**

**important plants**

Shahabab Ahmad Farooqui and Hina Parwez

- S1 PP 14 **A comparison on abundance of parasitoids and predators in organic and conventional basmati rice**  
Sudhendu Sharma, Shera P S and Sangha K S
- S1 PP 15 **Crop diversification enhances conservation of native predatory bug, *Nesidiocoris tenuis* (Reuter) (Heteroptera: Miridae) in tomato**  
Amala U, Shivalingaswamy T M and Pratheepa M
- S1 PP 16 **Social spider, *Stegodyphus sarasinorum* as a bio-control agent and its conservation strategies**  
Sampathkumar M and Chitra Shanker
- S1 PP 17 **Banker plants for augmentation and conservation of *Encarsia sophia* (Hymenoptera: Aphelinidae) for sustainable control of whitefly, *Bemisia tabaci* (Hemiptera: Aleyrodidae) in polyhouses**  
Gopalakrishna Pillai and Ganga Visalakshy
- S1 PP 18 **Intercropping – a way for *in situ* conservation of natural enemies in pigeonpea, *Cajanus cajan***  
Shivalingaswamy T M, Raghavendra A, Amala U and Shylesha A N
- S1 PP 19 **Taking advantage of the Foldscope in biocontrol research and practice**  
Sreerama Kumar Prakya
- S1 PP 20 **Utility of nematodes as baits for diversity analysis of nematophagous fungi from selected agro-climatic zones of India**  
Rami Kassam, Deeba Kamil and Uma Rao
- S1 PP 21 **Plant growth promoting and biocontrol *Actinobacteria* from temperate regions**  
Radha T K, Rupa T R, Selvakumar G, Ganeshamurthy A N and Chinthana K L
- S1 PP 22 **The first report of *Steinernema cholashanense* (Rhabditida: Steinernematidae) from India and its biocontrol potential against potato pests**  
Priyank Mhatre, Jagadeesh Patil, R Vijayakumar, EP Venkatasalam and Divya K L
- S1 PP 23 **Natural enemies in mango ecosystem**  
Shivamurthy and Jiji T
- S1 PP 24 **An easy high throughput analysis method for screening of potential biosurfactants population isolated from Shakurbasti railway diesel engine yard**  
Touseef Hussain and Abrar Ahmad Khan

## Poster Sessions: Utsav Hall

### Session 2: Biotechnological Approaches in Biocontrol (September 27 - Thursday)

- S2 PP 1**      **Diversity and molecular phylogeny of Bt receptor genes in the genome of brinjal shoot and fruit borer, *Leucinodes orbonalis* (Lepidoptera: Crambidae)**  
Kariyanna B, Aditi Agrawal, Venkatesan T, Gandhi Gracy R, Jalali S K and Mohan M
- S2 PP 2**      **Development of transgenic cotton (*Gossypium hirsutum* L.) over expressing a pectin methylesterase gene for broad spectrum resistance against crop insects**  
Alka Srivastava, Gourav Jain and Praveen C Verma
- S2 PP 3**      **Molecular characterization and phylogeny of Indian coccinellids**  
Gandhi Gracy R, Venkatesan T, Srinivasa Murthy K and Jalali S K
- S2 PP 4**      **Identification of Cry toxin receptor homologs in a *de novo* transcriptome and their altered expression in resistant pink bollworm *Pectinophora gossypiella***  
Aditi Agrawal, Venkatesan T, Gandhi Gracy R, Mohan M, Ramya R S and Rangeshwaran R
- S2 PP 5**      **Extract, Transform, Load (ETL): A data warehouse technique involved in decision support system for assisting in integrated pest management**  
Cruz Antony J and Pratheepa M
- S2 PP 6**      **Identification and isolation of arcelin gene from bruchid resistant pulse variety, *Phaseolus lunatus* by designing gene specific primer**  
Hilda K, Bhuvaragavan S and Janarthanan S
- S2 PP 7**      **Combining proteomics and transcriptome sequencing to identify putative RNAi targets for the mealybug, *Phenacoccus solenopsis* and their functional validation**  
Sanchita Singh, Surjeet Kumar Arya, Praveen C Verma and Subhi Srivastava
- S2 PP 8**      **Fern rhizome lectin confers broad-spectrum insect resistance in transgenic tobacco**  
Sushmita and Praveen C Verma

## Poster Sessions: Utsav Hall

### Session 3: Production and Utilization of Microbials for Insect Pest and Disease Management (September 28 - Friday)

- S3 PP 1 ***Pseudomonas fluorescens* as a biological control agent against *Plutella xylostella* in cabbage**  
Kandan A, Amala U, Rangeshwaran R, Bakthavatsalam N and Chandish R Ballal
- S3 PP 2 **Potential of entomopathogenic fungi against tea mosquito bug, *Helopeltis antonii* Signoret infesting cashew**  
Smitha M S, Nithin K N and Sobhana A
- S3 PP 3 **Role of aphid derived bacteria in degradation of neonicotinoid insecticide imidacloprid**  
Mahesh Yandigeri, Sanjay Yalashetti, Mohan M and Sivakumar G
- S3 PP 4 **Bioefficacy of different biopesticides against major foliage feeders on soybean [*Glycine max* (L.) Merrill]**  
Hemant Swami
- S3 PP 5 **Microbial biocides – prominent alternatives of tea disease management**  
Satya Ranjan Sarmah, Pranabanand Bhattacharyya, Rofika Begum, Prsanta Dutta and Anoop Kumar Barooah
- S3 PP 6 **Comparative efficacy of liquid and talc-based formulations of *Trichoderma asperellum* with tebuconazole against *Cercospora* leaf spot of bhindi**  
Reshmy Vijayaraghavan, Dilna N, Anjaly Varghese and Fridin Davis
- S3 PP 7 **Cow manure compost inoculated with *Trichoderma* isolate for the management of sunflower charcoal rot caused by *Macrophomina phaseolina***  
Raja J
- S3 PP 8 **Biological control of tomato collar rot by endophyte *Bacillus haynesii* 2P2**  
Pramod Kumar Sahu, Brahmaprakash G P and Anil K Saxena
- S3 PP 9 **Comparative infectivity of *Lecanicillium* spp. to rice hoppers**  
Hari Sankar S S and Reji Rani O P
- S3 PP 10 **Sequence analysis and bioassay of *Bacillus thuringiensis* (NBAIR-BTAN4) shows that it is a promising candidate for coleopteran and lepidopteran pests**  
Rangeshwaran R, Mohan M, Shylesha A N, Mahesh Yandigeri, Apoorva V, Sivakumar G and Jagadeesh Patil
- S3 PP 11 **Management of chilli anthracnose using mycopesticides**  
Neelam Joshi, Sangha K S, Shera P S and Buttar D S

- S3 PP 12**      **A success story in developing and commercializing a biopesticide “SOLDIER”- A wettable powder formulation of an entomopathogenic nematode, *Heterorhabditis indica* for managing cryptic pests in different agroecosystems in India**  
Kumar S, Ghosh S K, Natraj T and Mahesh G Shetty
- S3 PP 13**      **Isolation and characterization of *Serratia marcescens*, as a bacterial pathogen in fruit piercing moths, *Eudocima (Othreis) materna* (L.) (Lepidoptera: Noctuidae)**  
Vandana Viswanath, Arthikirubha Ayyasamy and Kamala Jayanthi P D
- S3 PP 14**      **Isolation of entomopathogenic nematodes (EPNs) and their bio-efficacy against insect-pests of sugarcane in Maharashtra**  
Yogesh Thorat, Borse D N, Holkar S K, Pathak A D and Singh S N
- S3 PP 15**      **Evaluation of entomopathogenic fungi against *Bemisia tabaci* in tomato and capsicum under protected cultivation**  
Ramanujam B and Poornesha, B
- S3 PP 16**      **Survey on polyhouse pests of vegetable cowpea in Kottayam district of Kerala and their management using entomopathogenic fungi**  
Sible George Varghese, Praveena R and Ambikadevi D
- S3 PP 17**      **Role of gut microflora in toxicity of *Bacillus thuringiensis* subspecies *galleriae* to the larvae of *Spodoptera litura* (Lepidoptera: Noctuidae)**  
Sanjay Yalashetti, Onkarappa Rudrappa, Mahesh S Yandigeri and Mohan M
- S3 PP 18**      **Evaluation of bioagents for the management of nematodes in cardamom**  
Chinchu P Babu and Narayana R
- S3 PP 19**      **Isolation, identification and evaluation of native isolate of entomopathogenic nematode, *Heterorhabditis indica* Poinar, Karunakar and David (Tylenchida: Rhabditidae) against banana stem weevil, *Odoiporus longicollis* (Olivier) (Coleoptera: Curculionidae)**  
Giribabu Palaniappan, Anuradha C, Padmanaban B, Anitha Sree T and Uma S
- S3 PP 20**      **Bio-efficacy of different biological control agents for the management of chilli fruit rot/anthracnose disease**  
Raghunandan B L, Mayank V Patel, Neha M Patel and Mehta D M
- S3 PP 21**      **Efficacy of bio-agent formulations towards the management of stem blight of sesame caused by *Macrophomina phaseolina* (Tassi) Goid.**  
Suresh Madugula, Gangadhara Rao S V S and Upendra Rao A
- S3 PP 22**      **Evaluation of spinosyn from *Streptomyces parvulus* for the control of polyphagous pests like *Spodoptera litura* and *Helicoverpa armigera***  
Ponsugumari Mahalingam and Unnamalai N
- S3 PP 23**      **Cross infection of *Pieris brassicae* granulosis virus with other siblings of *Pieris* species**  
Ramaiyer Varatharajan, Sangeeta W, Sujata PH and Rachana R R
- S3 PP 24**      **Integrating entomopathogenic nematodes and microbes for managing ash weevil (*Myloccerus subfasciatus*) menace in brinjal**  
Umamaheswari R, Rao M S and Ganga Visalakshy P N

- S3 PP 25 **Evaluation of bioagents for their compatibility for the development of consortium to enhance their efficacy**  
Amirtha Lingam V, Tewari A K, Manju Sharma, Jatinder Kumar and Roopali Sharma
- S3 PP 26 **A novel suspension concentrate formulation of *Bacillus thuringiensis* var. *kurstaki* for effective management of major lepidopteran pests**  
Nataraj T, Ghosh S K and Usha Nandini
- S3 PP 27 **Pathogenicity testing of indigenous isolates of entomopathogenic fungus, *Lecanicillium lecanii* against tobacco caterpillar, *Spodoptera litura***  
Sairam Kumar D V, Dhanapal R, Sandhya Rani C H, Manoj Kumar V and Lakshmi pathy R
- S3 PP 28 **Evaluation of certain bio pesticides against sucking pests of BhutJalakia**  
Rudra Narayan Borkakati, Saikia D K and Ramanujam B
- S3 PP 29 **Bioefficacy of fungal biopesticides against *Lipaphis erysimi* Kalt. (Hemiptera: Aphididae) in mustard crop**  
Bhagaban Patro and Shallini Godsora
- S3 PP 30 **Biological control of key pest of jute, *Spilosoma obliqua***  
Gotyal B S
- S3 PP 31 **Infectivity of entomopathogenic fungal bio-agents on yellow mite, *Polyphagotarsonemus latus* Banks of jute**  
Subrata Satpathy, Gotyal B S and Ramesh Babu V
- S3 PP 32 **Efficacy of botanicals and fungal formulations for pest management in okra**  
Udhayakumar V S, Karthik V, Khaviya Bala, Suresh K and Muthukumar P K
- S3 PP 33 **Eco-friendly management of lepidopteran insect pests through entomopathogenic nematodes**  
Rashid Pervez and Uma Rao
- S3 PP 34 **Field evaluation of potential bioagents against chickpea wilt complex**  
Manju Sharma, Tewari A K, Roopali Sharma and Kumar J
- S3 PP 35 **Validation of bioagent consortium at farmer's fields**  
Tewari A K, Manju Sharma, Roopali Sharma and Kumar J
- S3 PP 36 **Isolation, evaluation and characterization of indigenous *Streptomyces* isolates for the management of stem and pod rot caused by *Sclerotium rolfsii***  
Gururaj Sunkad , Khadarbi, Deepa H and Mahadevaswamy
- S3 PP 37 **Biointensive management of foliar blight and wilt of tomato in Uttarakhand**  
Bhupesh Chandra Kabdwal, Roopali Sharma, Rashmi Tewari, Tewari A K and Kumar J

## Poster Sessions: Utsav Hall

### Session 4: Biocontrol Compatible Approaches (September 28 - Friday)

- S4 PP 1 **Effect of bioprotectant on the seasonal incidence of gram pod borer *Helicoverpa armigera***  
Anil Vyas and Gaurang Chhangani
- S4 PP 2 **Influence of certain newer insecticides on natural enemy population in rice ecosystem**  
Devu Rakshith Roshan and Raju S V S
- S4 PP 3 **In search of chemical cues for attracting *Triommata coccidivora* (Diptera: Cecidomyiidae), a potential predator of mealybugs**  
Jayanthi Mala B R, Kamala Jayanthi P D, Shivashankara K S and David K J
- S4 PP 4 **Effect of horticultural mineral oil on *Tetranychus truncatus* Ehara (Prostigmata: Tetranychidae) and its predator *Neoseiulus longispinosus* (Evans) (Mesostigmata: Phytoseiidae)**  
Kavya Yadav and Haseena Bhaskar
- S4 PP 5 **Development of bio-rational based management approach against mango hopper in Bangladesh**  
Md. Shahadath Hossain
- S4 PP 6 **Biochemical mechanism of resistance to tomato fruit borer, *Helicoverpa armigera* (Hubner) in mid hills of Himachal Pradesh**  
Priyanka Thakur, Rana R S, Sharma K C and Nitesh Sharma
- S4 PP 7 **Compatibility of the entomopathogenic fungi *Lecanicillium saksenae* with chemical, botanical and microbial pesticides**  
Reji Rani O P
- S4 PP 8 **Integrating biological control and insecticide-an effective management strategy for maize stem borer *Chilo partellus* Swinhoe**  
Srinivasa Murthy Kotilingam and Choubey B K
- S4 PP 9 **Essential oil based nanoemulsion for housefly, *Musca domestica* management**  
Senthoorraja R, Sowmya M, Subaharan K, Subramanya T M, Vinay and N. Bakthavatsalam
- S4 PP 10 **Breaking plant defenses: The case of tannin expulsion in *Hyblaea puera* Cramer**  
Bindu K Jose, Sajeev T V and Anoop E V
- S4 PP 11 **Toxicity of reduced risk insecticides on common green lacewing *Chrysoperla zastrowi sillemi* (Neuroptera: Chrysopidae) larvae via ingestion and direct spray techniques under laboratory conditions**  
Kodandaram M H, Deepak Kushwaha and Rai A B
- S4 PP 12 **Efficacy of phytoncides on coconut rhinoceros beetle, *Oryctes rhinoceros* Linn.**



Ravindran Pattali, Kesavan Subaharan, Chandran K P, Vibina, Subramanya T M and Senthoorraja R

**S4 PP 13 Management of fruit borer, *Helicoverpa armigera* (Hübner) infesting tomato**

Safna M and Kumud V Naik

**S4 PP 14 The efficacy of *Streptomyces* spp., *Bacillus* spp and extracts of *Impatiens balsamina* on the mycelial growth of the fungi *Colletotrichum truncatum*, *C. gloeosporioides* causing anthracnose disease on dragon fruit**

Dang Thi Kim Uyen, Rangaswamy Muniappan, Tran Vu Phenand Nguyen Van Hoa

## Poster Sessions: Utsav Hall

### Session 5: Biological control of invasive pests and weeds (September 28 - Friday)

**S5 PP 1 Current status of invasive rugose spiralling whitefly, *Aleurodicus rugioperculatus* Martin (Hemiptera: Aleyrodidae), in Karnataka, India**

Sanjay Kumar Pradhan and Shylesha A N

**S5 PP 2 Bioefficacy of entomopathogenic nematodes against serpentine leaf miner, *Liriomyza trifolii* Burgess (Diptera: Agromyzidae) in oilseed crops**

Gayatri Bandaru and Duraimurugan P

**S5 PP 3 Temperature dependent development of *Oenopia conglobata* (L.) (Coleoptera: Coccinellidae) fed on *Aphis gossypii* (Glover) (Hemiptera: Aphididae)**

Mohammad Amin Jalali and Mahdi Ziaaddini

**S5 PP 4 Status of new invasive coconut rugose spiralling whitefly, *Aleurodicus rugioperculatus* Martin and scope for bio-control in Tamil Nadu**

Rajamanickam K, Srinivasan T, Ramaraju K, Alagar M, Selvaraj K and Venkatesan T

**S5 PP 5 Population fluctuation of cotton mealy bug, *Phenacoccus solenopsis* Tinsley in relation to weather parameters in Bt cotton ecosystem**

Arunkumar Hosamani, Hanchinal S G and Akshatha G

**S5 PP 6 The role of computational analysis in the phylogenetic interpretation of the classical biological control**

Namrata Singh, Sunil Archak, Vinod Pandit and Malvika Chaudhary

**S5 PP 7 Biocontrol of five invasive weeds of Meghalaya- A Case Study**

Rajib Kumar Borah, Jimi Borah and Shahnin Akhtar Islam

## Poster Sessions: Utsav Hall

### Session 6: Production and Utilization of Macrobiols for Insect Pest Management (September 29 - Saturday)

- S6 PP 1**      **Integrating biocontrol agents with farmers' practices for the management of diamondback moth, *Plutella xylostella* (Linnaeus), in cabbage**  
Omprakash Navik, Ramya R S, Jalali, S K, Shivalingaswamy T M and Jagadeesh Patil
- S6 PP 2**      **Evaluation of bio-control agents against shoot and fruit borer, *Earias vittella* (Fabricius), on okra**  
Sharad Galande, R V Nakat, Pokharkar D S, Tamboli N D, Hole U B and Kharbade S B
- S6 PP 3**      **Resource-efficient and cost-reduction technology for *Trichogramma chilonis* Ishii production**  
Lakshmi Manisha Bachu, Visalakshi M, Sairam Kumar D V and Kishore Varma P
- S6 PP 4**      **Development of an abiotic-stress tolerant strain of the egg parasitoid, *Trichogramma chilonis* Ishii, and its utilization for pest management in India**  
Jalali S K
- S6 PP 5**      **Influence of photoperiod and temperature on the biological parameters of four trichogrammatids**  
Lalitha Y, Jalali S K, Venkatesan T and Omprakash Navik
- S6 PP 6**      **Developmental biology and predatory potential of *Stethorus punctillum* Weise against two-spotted spider mite, *Tetranychus urticae* Koch, on ladies' finger**  
Rajendra Nath Singh, Sandeep Kumar Sathua, Shafia Zainab, Raghuraman M and Srivastava C P
- S6 PP 7**      **Feeding potential of the coccinellid, *Cheilomenes sexmaculata* (Fabricius) (Coleoptera: Coccinellidae), on cowpea aphid, *Aphis craccivora* Koch**  
Jayalakshmi Ganguli, Sonalika Kolhekar, Ganguli R N and Saurabh Padamshali
- S6 PP 8**      **Tri-trophic interaction of the different diet-fed *Corcyra cephalonica* (Stainton) on feeding efficiency of reduviid predator, *Sycanus collaris* (Fabricius), under laboratory conditions**  
Rathindra Nath Ganguli
- S6 PP 9**      **Efficacy of the egg parasitoid, *Trichogramma chilonis* Ishii, in the management of brinjal shoot and fruit borer, *Leucinodes orbonalis* (Guenee)**  
Manoj Kumar Mahla, Gaurang Chhangani and Beerender Singh
- S6 PP 10**      **Ecofriendly management of *Pseudodendrothrips mori* Niwa (Thysanoptera: Thripidae) and its impact on abundance of predatory coccinellids in mulberry ecosystem**  
Nalliappan Sakthivel and Sivaprasad V

**S6 PP 11** Survey for parasitoids of shoot, panicle and capsule borer, *Conogethes punctiferalis* (Guenee), (Lepidoptera: Crambidae) of small cardamom in Cardamom Hill Reserve (CHR), Kerala

Thiyagarajan Ponnusamy, Praseeda A S and Rema Shree A B

**S6 PP 12** Field efficacy of *Pediobius imbrues* (Hymenoptera: Eulophidae) parasitoid on coconut slug caterpillar *Macroleptra nararia* Moore (Lepidoptera: Limacodidae)

Chalapathi Rao N, Krishna Rao G and Ramanandam G