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Titolo	2019 IEEE 2nd International Conference on Automation, Electronics and Electrical Engineering (AUTEEE) / / Institute of Electrical and Electronics Engineers
Pubbl/distr/stampa	Piscataway, NJ : , : IEEE, , 2019
ISBN	1-7281-5030-2
Descrizione fisica	1 online resource (665 pages) : illustrations
Disciplina	670.4
Soggetti	Automation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.

2. Record Nr. UNINA9910298298403321

Titolo	New Horizons in Insect Science: Towards Sustainable Pest Management / / edited by Akshay Kumar Chakravarthy
Pubbl/distr/stampa	New Delhi : , : Springer India : , : Imprint : Springer, , 2015
ISBN	81-322-2089-7
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (432 p.)
Disciplina	333.7 551.6 570 595.7
Soggetti	Entomology Life sciences Ecology Climatic changes Life Sciences, general Environment, general Climate Change Management and Policy

Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Section I – Insect Taxonomy -- 1. Insect Taxonomy – Basic to Barcoding -- 2. DNA Barcoding for Identification of Agriculturally Important Insects -- Section II – Insect Physiology -- 3. Changes in body melanisation and not body size affect mating success in Drosophila immigrans -- 4. Do Size and Age of Female Trichopria sp. Influence Longevity, Reproductive Performance and Sex Ratio? -- 5. Impact of Adult Size and Sib, Conspecific and Random Mating in Trichopria Sp. on Progeny Production and Sex Ratio -- 6. Importance of Formic Acid in Ethological States of Oecophylla smaragdina (Fabricius). 7. Identification of Gut Bacterial Community and the Impact of Bacteria Added Adult Diets on the Ovariole Number of the Pumpkin Fruit Fly, Bactrocera tau (Walker) (Diptera: Tephritidae) -- 8. Metabolites of Pseudomonads: A New Avenue of Plant Health Management -- 9. Chitinase Expressed as an Inducible Trait in Pseudomonas aeruginosa P-15 -- 10. Insect Resistance to Bt Transgenic Crops and its Management -- Section III – Insect Toxicology -- 11. Carboxylesterase and Glutathione-S-Transferase Quantification Mediating Resistance in Populations of Rice Leaf Folder, Cnaphalocrocis medinalis (Guenee) -- 12. Bioassay of Rongbao (Active Ingredients of Calcium Cyanamide) against Housefly Maggots -- 13. Nanomaterials: A review of their action and application in pest management and evaluation of DNA tagged particles -- 14. Fumigant Toxicity of Essential Oil from Nutmeg Seeds (Myristica fragrans Houtt.) (MF, Myristicaceae) against Cowpea Weevil, Callosobruchus maculatus F. (Coleoptera : Bruchidae) -- Section IV – Insect Vectors -- 15. Identification of Putative Vectors of Weligama Coconut Leaf Wilt Disease in Sri Lanka -- 16. Plant Virus Disease Spread through Insect Vectors and their Management -- 17. Vectors of Plant Viruses of Crop Plants in South East Asia.- Section V – Insect Molecular Biology -- 18. Molecular Approaches for the Improvement of Bacillus thuringiensis against Pests -- 19. Diapause Related Gene Expression in Eggs of Multivoltine Bombyx mori L. Silkworm Races -- 20. Role of RNA interference in Pest Management -- 21. Molecular characterization and Management of shoot and fruit borer Conogethes punctiferalis Guenee (Crambidae: Lepidoptera) Populations infesting Cardamom, Castor and other hosts.-Section VI – Insect Semiochemicals -- 22. Use of Insect Pheromones in Vegetable Pest Management: Successes and Struggles -- 23. Glimpses of Semiochemical Research applications in Indian Horticulture: Present Status and Future Perspectives -- Section VII – Insect Pest Management: Using Host Plant Resistance, Biological Control -- 24. Impact of Gall Midge, Orseolia oryzae (Wood-Mason) Infestation on total Phenols, Proline and Indole Acetic Acid in Paddy (Oryza sativa Linn.) Genotypes -- 25. Antixenosis and Antibiosis Component of Rice Resistance to Asian Rice Gall midge, Orseolia oryzae (Wood-Mason) -- 26. Integrated Management of Insect-induced Reddening in Bt Cotton Hybrids -- 27. Inducing Resistance in Sesamum Accessions against Shoot Webber and Capsule Borer, Antigastra catalaunalis Duponchel through Mutation Breeding -- 28. Redesigning Research on Crop Resistance to Insects: Experiences with Tomato -- 29. Role of parasitoids and predators in management of insect pests -- 30. Development, characterization and field assessment of multiple insecticides and high temperature tolerant

strain of an egg parasitoid, Trichogramma chilonis Ishii against crop pests -- 31. Reproductive Alterations by Wolbachia in the Braconid Cotesia vestalis (Haliday) -- 32. Influence of Herbivores on the Biology of Chrysoperla carnea Stephens -- 33. Status and Management of Three Major Insect Pests of Coconut in the Tropics and Subtropics -- 34. Area-wide Integrated Pest Management in Pigeonpea -- 35. Sustainable management of Tea mosquito bug Helopeltis antonii Signoret (Miridae:Hemiptera) on Cashew -- 36. Integrated Pest Management (IPM) for Reducing Pesticide Residues in Crops and Natural Resources -- 37. Biological Consequences of Climate Change on Arthropod Biodiversity and Pest Management -- 38. Temperature-Based Phenology Modeling and GIS-Based Risk Mapping: A Tool for Forecasting Potential Changes in the Abundance of Mealybug Phenacoccus solenopsis Tinsley (Hemiptera: Pseudococcidae). .

Sommario/riassunto

Insect science is fast changing as insects are evolving to a plethora of newer chemical molecules, climate change, management tactics and transformation of the landscapes. Through the International Conference, the editors have attempted to gather together newer aspects of Insect Sciences like Insect Taxonomy, DNA Barcoding, Physiology, Toxicology, Vectors and their Management, Molecular Biology, RNA interference in Pest Management, Semiochemicals and Pest Management using Host Plant Resistance and Biological Control appropriated especially for the developing world. Both basic and applied aspects of insect science have been included to stimulate comprehensive studies on insect science. The book not only deals with insect science but also environmental and ecological aspects in the hope that the book will be of immense use to students, researchers, extension workers, planners, administrators, farmers and other end users. The Chapters on diversified aspects of Insect Science are contributed by leading scientists for the coming 21st century in which entomology is witnessing a dramatic advancement in management of pests through in-depth investigations. The dimensions of Insect Science covered in the book are pest management approaches that can be adopted worldwide with ascent on sustainability.