Indian Journal of Entomology
Vol. 81 March 2019 Part 1

CONTENTS

1. KENNEDY PAUL AND AYUB KHAN, Effects of certain insecticides on the predator Orius insidiosus and its prey Thrips palmi 1
2. MUHAMMAD ASGHAR HASSAN, MUHAMMAD ABDUL GHAFFAR, RIAZ HUSSAIN, SAKHAWAT ALI AND TAYYABA NASEEM, Vespidae (Hymenoptera) fauna of Poonch district, Pakistan 7
3. MINTESNOT WORKU AND YOHANNES EBABUYE, Evaluation of efficacy of insecticides against the fall army worm Spodoptera frugiperda 13
4. A. S. TANDA, Entomofauna enhance the quality and quantity in okra 16
5. J. ALFRED DANIEL, K. RAMARAJU AND A. P. RANJITH, On a collection of Braconidae from three rice growing zones of Tamil Nadu 18
7. NAMITA PODDAR AND SUBHASH CHANDER, Yield-infestation relationship of aphids infesting wheat and their economic injury levels 28
8. RESHMI SEKHAR AND SUNIL JOSE, K., New record of spider Nihonhimea japonica (Bösenberg and Strand) (Theridiidae) 34
9. MEENA KUMARI, Biology of Cheilomenes sexmaculata (F.), a predator of green apple aphid in Himachal Pradesh 37
10. RANJINI S. AND FR ANCY K. KAKKASSE RY, Predatory potential of water bugs against the filarial vector Culex quinquefasciatus Say 40
11. ROMILA A KOLAM, AR ATI NINGOMBAM, ARUNA BEEMROTE AND R.S. TELEM, Modified QuEChERS methodology for cole crops 44
12. SARASWATI MAHATO AND H. P. MISRA, Efficacy of tolfenpyrad against red pumpkin beetle Aulacophora foveicollis Lucas in cucumber 48
13. M. M. SONKAMBLE AND B. S. RANA, Population dynamics of important insect pests of soybean in relation to weather parameters 51
14. J. ALFRED DANIEL, K. RAMARAJU, S. MOHAN KUMAR, P. JEYAPRAKASH AND N. CHITRA, Influence of weather on the parasitoid catches in three rice growing agroclimatic zones of Tamil Nadu 55
15. CLEONA ALEXANDER AND M. S. KRISHNA, Effect of avocado and yogurt in diet media on wing length, ovariole number and progeny production of Drosophila melanogaster 61
16. N. ABHIJITH, S. MOHAN AND S. JEYARAJAN NELSON, Insecticidal activity of sweet flag Acorus calamus against Lasioderma serricorne (F.) and Cryptoletes ferrugineus (Stephens) 66
17. G. LAXMAN, R. K. SHARMA AND S. R. SINHA, Management of insect pests of cabbage with intercropping and their planting pattern 69
18. SOUMIT DUTTA AND SINJINI BOSE, Insect fauna captured by light trapping in new town area, North 24 parganas, West Bengal 73
19. VIKAS JINDAL, Genetic diversity of rice leaf folder using mitochondrial cytochrome oxidase 1 gene 75
20. ASHA BHARDWAJ, MOHD. ZAHIER KHAN, PRACHI FARTYAL, MANISHA SARSWAT AND RAJENDRA S. FARTYAL, Drosophilid diversity (Diptera: Drosophilidae) from Shimla district, Himachal Pradesh 82
21. YOGESH KUMAR, H.D. AND SWARNALI BHATTACHARYA, Comparative biology of Spilosoma obliqua 87
22. RADHIKA JAMWAL AND V. K. MATTU, Melissopalynological investigations on summer honey samples from Mandi district, Himachal Pradesh 90
23. ANJITHA GEORGE, C. N. RAO AND S. RAHANGADALE, Effect of buprofezin on developmental stages of Diaphorina citri Kuwayama (Hemiptera: Liviidae) 99
24. ANJITHA GEORGE, S. KUTTALAM AND C. N. RAO, Evaluation of foliar vis-a-vis soil application of certain insecticides against Phyllocnistis citrella Stainton 105
25. KARIYANNA, B., RAJEV GUPTA, MOHAN, M. AND FRANCESCO VITALI, Wood-boring longhorn beetles (Coleoptera: Cerambycidae) of agroforest ecosystem in India 108
26. ROMILA AKODAM, ARATI NINGOMBAM, ARUNA BEEMROTE, SANDIP PATRA AND R. S. TELEM, RP-HPLC methods and QuEChERS for detection of insecticides in rice grains 127
27. ANUSHREE BACHHAR, HASEENA BHASKAR, BERIN PATHROSE AND M. R. SHYLALA, Resistance to acaricides in Tetanychus truncatus Ehara on vegetables 130
28. T. AMSA, M. PRABAKARAN, S. SITHANANTHAM AND M. NALINI, Pheromone trapping of brinjal fruit and shoot borer: male orientation and spatial distribution 134
29. M. PRABAKARAN, S. DOUREISAMY, V. BHASKER, M. RAVI, S. SITHANANTHAM AND K. RAMARAJ, Waterless pheromone trap- efficient alternative to water basin trap for sugarcane early shoot borer 137
30. M. PRABAKARAN, K. P. SANJAYAN, T. AMSA, S. SITHANANTHAM AND M. NALINI, Enhancing the efficacy of pheromone trap against brinjal shoot and fruit borer 140
31. MANIU, K., J. JAYARAJ AND M. SHANTHI, Efficacy of botanicals against pulse beetle Callosobruchus maculatus (F.) in green gram 144
32. RATHOD SANDEEP ROHIDAS AND ARBIND KUMAR RAI, Effects of green gram and black gram varieties on life stages of Spodoptera litura (F.) 148
33. SHARANABASAPPA, B. H. SRIKANTH, M. S. MARUTHI AND H. B. PAVITHRA, Biology of black soldier fly Hermetia illucens (L.) (Diptera: Stratiomyidae) on muskmelon fruit 153
34. DEVINDER SHARMA AND AYAZ AHMAD RESHI, Distribution and honey production potential of Plectranthus rugosus 156
35. R. L. KALASARIYA AND K. D. PARMAR, Population dynamics of the mustard sawfly Athalia lugens proxima (Klug) 159
36. S. S. NALGE AND A. S. WABALE, Balanites aegyptiaca fruit extract for managing sugarcane woolly aphid 163
37. URVI SHARMA AND AJAI SRIVASTAVA, Field efficacy of some insecticides and biopesticides against rice hispa Dicladispa armigera (Olivier) 166


40. Navyashree, R. K., Soundararajan, R. P. and Mohankumar Subbaravalu, Analysis of brown planthopper *Nilaparvata lugens* feeding induced volatiles in rice cultivars 182

41. Kokilamani, A. L., Ramakrishna, S. and Venkatachalaiah, G., Karyotypic studies on some pseudococcids (Hemiptera: Coccoidea: Pseudococcidae) 191

42. P. Chandramani, Effect of silicic and salicylic acids on major insect pests and their natural enemies in rice 195

43. Raveen, R., Kanmani, S., Lokesh, K.V., Samuel Tennyson, Arivoli, S. and Jayakumar, M., Efficacy of *Piper betle* leaf extracts against sweet potato weevil *Cylas formicarius* (F.) 201

44. Indhumathi V. S., P. Chandramani, J. Jayaraj, C. Chinnaiah, P. P. Mahendran and K. Kumutha, Effect of silicon sources against sugarcane early shoot borer *Chilo infuscatellus* Snellen 206

45. Manushree, G. and Mani Chellappan, Biology of pink pineapple mealybug *Dysmicoccus brevipes* (Cockerell) 210

**Book Review**

Atlas of Odonata (Insecta) of the Western Ghats, India — A. Raman 213

**Retracted**

The following paper is retracted conditionally until the identification of pollu beetle is confirmed with voucher specimens (for more details refer editorial in this issue)