

JOURNAL  
OF  
ENTOMOLOGICAL RESEARCH

Vol. 44

December 2020

No. 4

CONTENTS

	PAGE
Population dynamics of planthoppers in rice ecosystem of Varanasi region, India – Ingle Dipak Shyamrao, M. Raghuraman, Abhinav Kumar and Rupesh Kumar Gajbhiye	501
Estimation of fruit damage deviation due to seed borer, <i>Trymalitis margarias</i> Meyrick under different varieties and spacing in sapota – Parth K. Patel, K.D. Bisane and B.M. Naik	505
Evaluation of different bio-pesticides against shoot & fruit borer on okra – B.B. Gaikwad, B.B. Bhosle and B.V. Bhede	511
Biopesticidal effect of plant essential oils on subterranean termites, <i>Odontotermes wallonensis</i> – E. Adlin Pricilla Vasanthi, S. Jeyarajan Nelson and N. Muthukrishnan	519
Eco-friendly management of tobacco caterpillar with pheromone traps and <i>Bacillus</i> <i>thuringiensis</i> var. <i>kurstaki</i> in Chamba district of Himachal Pradesh, India – Anurag Sharma, Rajeev Raina, Renu Kapoor and Kehar Singh Thakur	523
Protecting tomato plants in safer ways – S. Chakraborti and Ayan Das	529
Evaluation of certain chickpea genotypes against pulse beetle, <i>Callosobruchus chinensis</i> (L.) under laboratory conditions – Lipika Pradhan, P.S. Singh, S.K. Singh and R.P.N. Saxena	535
Biochemical basis of resistance in green gram genotypes against pulse beetle, <i>Callosobruchus maculatus</i> (F.) under storage conditions – Usha R., P.S. Singh, S.K. Singh and R.P.N. Saxena	541
Population dynamics of onion thrips ( <i>Thrips tabaci</i> lindeman, Thysanoptera; Thripidae) and varietal response of onion cultivars against onion thrips – A.M. Raut, Satinder Pal, Johnson Wahengbam and A. Najitha Banu	547
Seasonal incidence of aphid and their natural enemies on mustard from terai region of West Bengal – Atanu Maji, Suprakash Pal, Moulita Chatterjee and Shyamal Kumar Sahoo	555
Population growth and development of <i>Carpophilus hemipterus</i> (L.) on cashew nut ( <i>Anacardium occidentale</i> L.) in the storage – Ludji Pantja Astuti, Putri Dewi Sartika, Mutala'liah and Yogo Setiawan	559

Green management of rice weevil, <i>Sitophilus oryzae</i> L. (Coleoptera: Curculionidae) by new botanicals – Nayan Roy	565
Insights into the mtDNA of the Egyptian honey bees, <i>Apis mellifera lamarckii</i> using different analytical tools – Hossam F. Abou-Shaara, Khalid S.A. Eid and Shokry R. Bayoumi	575
Pollen analysis of summer honeys from Kullu hills, Himachal Pradesh, India – Radhika Jamwal and V.K. Mattu	581
Bees of grasses, <i>Lipotriches</i> Gerstaecker, Sweat bees, <i>Steganomus</i> Ritsema and <i>Crocisaspidia</i> Ashmead (Halictidae: Nomiinae), with new distribution report from Indian states – B. Majumder, A. Rameshkumar and S.I. Kazmi	589
Impact of type and extent of sugars on the oral toxicity of imidacloprid on honeybees, <i>Apis mellifera</i> (Linn.) – Satinder Kaur, Ravinder Nath, Gagan Deep and Harpreet Singh	595
Studies on nutritional effects of <i>Arthrospira platensis</i> and <i>Saccharomyces cerevisiae</i> supplementation with silver nanoparticles on growth and economic traits of Silkworm, <i>Bombyx mori</i> L. – J. Shifa Vanmathi and M. Sithi Jameela	601
Cocoon quantitative traits and grainage behaviour in Jhanji crop of wild Modal ecorace of Tasar silkworm in Similipal – Arati Bala Sahu, Prasanta Kumar Kar and Priya Ranjan Debata	607
Insecticidal activity of <i>Petroselinum crispum</i> essential oil on mosquitoes – H. Seghier, F. Tine-Djebbar, W. Loucif-Ayad and N. Soltani	613
Efficacy of steaming, vacuum drying and stir-frying to total phenolic, flavonoid and organoleptic properties in butterfly pea flower ( <i>Clitoria ternatea</i> ) tea – Nguyen Phuoc Minh	621
A survey of knowledge associated with pesticide use and related health problems among greenhouse farmers in Central Iran (2019-2020) – H. Kassiri, R. Dehghani, R. Kasiri, Z. Ahmadi Ghahrizjani and F. Asgari Tarazoj	625
Impact of climate change on Human Health related Vector-Borne Diseases in the present scenario of COVID-19 in India – Naveen S. Singh and Doris Phillips-Singh	631
Nature and types of damage by insect pests – Rakesh Kumar and Vikram Singh Rathor	639
Biology of <i>Bemisia tabaci</i> Gennadius (Hemiptera: Aleyrodidae) on eggplant and tomato – Gousul Nisa and Abdul A. Buhroo	647
Ecology of hard ticks (Arachnida: Acari: Ixodidae) in Kashan county, central Iran – H. Kassiri, R. Dehghani, H.R. Saberi and M. Dehghani	653
The influence of <i>Hermetia illucens</i> larvae as feed on fitness and the agonistk character of Betta fish ( <i>Betta</i> sp.) – Yayan Sanjaya, Suhara, Mimin Nurjhani and Mimi Halimah	659