

Bio-Data of Dr. V. Karuppaiah

Name : Dr. V. Karuppaiah
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Higher Degree : Ph.D

Birth Date : 10-05-1981

Research Interest : Insect Toxicology and IPM

Description of Research :
➤ Integrated Pest Management of Insect Pest Complex of Onion and Garlic
➤ Diversity and role of Onion Pollinators in Onion Seed Production

Projects :
➤ Integrated pest and disease management for minimization of losses and improving productivity of onion and garlic (Co-PI)
➤ Conservation, Characterization and Utilization of genetic resources of Allium species (Co-PI)
➤ Development and refinement of post harvest handling storage and processing techniques for minimization of losses and improving productivity of onion and garlic (Co-PI)
➤ Real time pest dynamics studies in Onion: National Initiative on Climate Resilient Agriculture (Co-PI)
➤ All India Network Research Project On Onion and Garlic Research (Co-PI)

Publications :
Research Paper :
National :

Selected Publications

- **Karuppaiah V.**, Srivastava, C and S. Subramanian. 2016. Effect of host plants on insecticide susceptibility and detoxification enzymes activity in *Spodoptera litura* Fabricius (Noctuidae: Lepidoptera). *Proceedings of the National Academy of Sciences, India, Section B: Biological Sciences*, 86(3):715-721.
- **Karuppaiah, V.**, Srivastava, C., Subramanian, S., Padaria, J.C. and Ahuja, D.B. 2016. Nucleotide polymorphism and modulation in carboxyl esterase activity in *Spodoptera litura* (F.) (Noctuidae: Lepidoptera). *Indian Journal of Entomology*, 78(3): 252-256.

International : **Selected Publications**

- **Karuppaiah V.**, C. Srivastava, J.C. Padaria and S. Subramanian. 2017. Quantitative changes of the carboxylesterase associated with pyrethroid

susceptibility in *Spodoptera litura* (Lepidoptera: Noctuidae). *African Entomology*, 25(1): 175-182.

- **Karuppaiah, V.** 2014. Biology and management of ber fruit fly, *Carpomyia vesuviana* Costa (Diptera: Tephritidae): A review. *African Journal of Agricultural Research*, 9 (16), 1310-1317.
- **Karuppaiah, V.** and L. Nadarajan. 2011. Evaluation of sesame genotypes for resistance to sesame leaf roller and capsule borer, *Antigastra catalaunalis* Duponchel (Pyraustidae: Lepidoptera). *Archives of Phytopathology and Plant Protection*, 44 (9): 882-887.

Technical bulletins : ➤ **Karuppaiah, V.,** Singh, R.S. Sharma, B.D. and Sharma, S.K. 2014. Insect Pests of Ber and Their Management. *CIAH, Technical Bulletin No.51*, CIAH, Bikaner, pp-26.

Popular Articles : ➤ **Karuppaiah, V. 2014.** Eco-friendly management of sesame leaf webber and capsule borer (*Antigastra catalaunalis* Dup) Menace in sesame. *Popular Kheti*, 2(2): 108-111.

➤ Maruthadurai. R and **V. Karuppaiah.** Managing Menace of Insect Pests on Custard Apple. *Popular Kheti*, 2(3): 108-111.

➤ **Karuppaiah, V. 2014.** Insect Pests of Phalsa (*Grewia asiatica* Linn) and Their Management Options. *Popular Kheti*, 2(4): 83-85.

Books/ Books Chapter : ➤ **Karuppaiah V,** Haldhar SM, Sharma SK. 2015. Insect Pests of Ber (*Ziziphus mauritiana* Lamarck) and their Management. *Insect Pests Management of Fruit Crops.* (Eds. Ajay Kumar Pandey and Pramod Mall). GB Pant University of Agriculture and Technology, Uttarakhand, p 271- 294.

➤ Haldhar SM, **Karuppaiah V,** Muralidharan CM, Sharma SK. 2015. *In: Insect-pests of Date Palm and Their Management.* *Insect Pests Management of Fruit Crops* (Eds. Ajay Kumar Pandey and Pramod Mall). GB Pant University of Agriculture and Technology, Uttarakhand, p 405-421.

Research Abstracts : ➤ **Karuppaiah, V.,** Soumia, P.S and Mahajan, V. 2017. Influence of climatic variability on insect pollinators diversity and abundance in seed Onion. *In Proceedings of International Conference on Food and Agriculture*” during February, 20-22, 2017 at JNU, New Delhi.p19.

➤ **Karuppaiah, V,** Soumia P.S and Priyanka D Wagh. 2016. Biology of Almond moth, *Ephestia cautella* (Pyralidae: Lepidoptera) on garlic. *In proceedings of 2nd National symposium on Edible Allium: Challenges future strategies for sustainable production,* Jalna, Maharashtra.p.276.

➤ **Karuppaiah, V., Soumia, P.S and Priyanka D. Wagh. 2016.** Bio-efficacy and safety evaluation of newer insecticides against Onion thrips, Thrips tabaci (Thripidae: Thysanoptera). *In Proceedings of “3rd International IUPAC Conference on Agrochemical Protecting Crops, Health and Environment”* during 6-9th April, 2016, IARI, New Delhi, India p.110.