

## CURRICULUM VITAE

### **Dr. RAVI SHANKER**

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### **Academic Credentials**

- ☐ Doctorate: Entomology from S.V.P. University of Agriculture & Technology, Meerut (U.P.) India, in 2022.
- ☐ Post Graduation: Agricultural Entomology from A.N.D. University of Agriculture & Technology, Kumarganj- Ayodhya (U.P.) India, in 2019.
- ☐ Graduation: Udai Pratap Autonomous College Varanasi (U.P.) India, in 2012

### **Publications**

#### **A. BOOK CHAPTER:**

1. Pawan Kumar, Sonam Tiwari, Amit Kumar, **Ravi Shanker**, Aditya Patel and Sachin Arya (2022) published book chapter Management of Insects Pest of Chickpea through Integrated Pest Management (IPM) “Agricultural Insects - Pest and their Management” 131-139.
2. Sushant Kumar, Aditya Patel, Arun Kumar, Pawan Kumar, **Ravi Shanker** and Sachin (2022) published book chapter Basic Concept of Pesticides Residue. “Current Research and Advances in Entomology” First Edition.
3. Pawan Kumar, Girijesh Yadav, Amit Kumar, **Ravi Shanker**, Aditya Patel (2021) published book chapter Role of Microbial Insecticides in Insect-Pests Management. “Recent Innovation in Agricultural Sciences” First Edition, 127-138.
4. Aditya Patel, Pawan Kumar, **Ravi Shanker**, Sachin Arya and Sushant Kumar (2021) published book chapter Insecticidal and Chemical Profile of Essential Oil Mentha Spp. “Recent Innovation in Agricultural Sciences” First Edition, 95-102.
5. Bhirendra Kumar, G Tirumala Geethika, **Ravi Shanker**, P. Thilangam and Michelle C. Lallawmkimi (2024). Introduction to Agricultural Entomology. Current Research in Agricultural Entomology. Pp. 1-26.

#### **B. PAPERS: INTERNATIONAL JOURNAL:**

1. **Shanker, R.**, Prajapati, M. R., Singh, R. P., Singh, R., Singh, J., & Kumar, P. (2023). Isolation, molecular characterization of indigenous *Metarhizium anisopliae* (Metchnikoff) isolate, using ITS-5.8 s rDNA region, and its efficacy against the *Helicoverpa armigera* (Hubner) (Lepidoptera: Noctuidae). *Egyptian Journal of Biological Pest Control*, 33(1), 1-8.
2. **Ravi Shanker**, Rajendra Singh, Malayaj R. Prajapati, Reetesh Pratap Singh, Aditya

- Patel and Omkar Singh (2023). Virulence of Native Isolates of *Metarhizium anisopliae* (Metschnikoff) against *Helicoverpa armigera* (Lepidoptera: Noctuidae) in Western Uttar Pradesh, India. *International Journal of Environment and Climate Change*, **13** (11): 713-718.
3. **Ravi Shanker**, R.B. Singh, Shweta Patel, P.K. Patel and Sushant Kumar (2021). Field evaluation of newer insecticides against pod flies (*Melanagromyza obtusa* Malloch) on pigeon pea (*Cajanus cajan*). *Journal of Entomological Research*, **45** (4) : 724-727.
  4. **Ravi Shanker**, RB Singh, SP Singh, Sushant Kumar, PK Patel and AK Singh (2021). Seasonal activity of tur pod fly, *Melanagromyza obtuse* (Malloch) (Diptera: Agromyzidae) and its relation with agro-climatic conditions of eastern Uttar Pradesh. *The Pharma Innovation Journal*, **10**(5): 716-718.
  5. **Ravi Shanker**, Rajendra Singh, DV Singh, Kamal Khilari, Pawan Kumar, Aditya Patel, Sushant Kumar, Reetesh Pratap Singh and Malyaj R Prajapati (2022). The use of promising entomopathogenic fungi *M. anisopliae* for ecofriendly management of *Helicoverpa armigera* (Hub.) in chickpea. *The Pharma Innovation Journal*, **11**(8): 1791-1795.
  6. Ravi Kumar, **Ravi Shanker**, Pankaj Singh, Manoj Kumar Yadav, Veena Chaudhary, Mukesh Kumar (2024). Genome editing towards pests and disease management in agricultural crops: Recent developments, challenges and future prospects. *Physiological and Molecular Plant Pathology*, 134: 102402.
  7. Malyaj R Prajapati, Pankaj Kumar, Reetesh Pratap Singh, **Ravi Shanker**, Rajendra Singh, Mahesh Kumar Bharti, Jitender Singh, Neelesh Kapoor, L. K. Gangwar, S. S. Gaurav, Rekha Dixit, Satya Prakash (2024). De novo assembly and annotation of *Hellula undalis* (Fabr.) (Lepidoptera: Pyralidae) transcriptome. *Journal of Genetic Engineering and Biotechnology*, 22 : 100393
  8. Narne Kavya, Rajendra Singh, **Ravi Shanker**, Polimera Prasanth, Alok and Sachin Arya (2022). Evolution of most suitable medium for mass production of entomopathogenic fungi *Beauveria bassiana*. *Biological Forum- An International Journal*, 14(4): 915.
  9. Pawan Kumar, D.N. Mishra, D.V. Singh, Sushant Kumar, **Ravi Shanker** and Aditya Patel (2022). Biology of Pod Borer, *Helicoverpa armigera* (Hubner) on Chickpea Leaves and pods under Laboratory conditions. *Biological Forum – An International Journal*, **14**(2a): 603-607.
  10. Vinod Kumar, Rajendra Singh, Ankur Prakash Verma, Pankaj Batham, **Ravi Shankar**, Sushant Kumar and Reetesh Pratap Singh (2022). Age specific life-table of *Bactrocera dorsalis* (Hendel) under room temperature. *The Pharma Innovation Journal*, **11**(1): 792- 795.
  11. Pawan Kumar, Amit Kumar, Girijesh Yadav, Sachin Arya and Ravi Shanker (2021). Effect of different biopesticide and botanicals against whiteflies in okra. *Journal of Experimental Zoology India*, **24**(2): 1179-1182.
  12. Sushant Kumar, Hem Singh, Abhishek Yadav, Ajay Kumar and Ravi Shanker (2019).

Seasonal abundance of brown plant hopper, *Nilaparvata lugens* (Stal) in basmati rice and correlation of abiotic factors under Meerut region. *Journal of Entomology and Zoology Studies*, **7**(6): 882-885.

13. Sushant Kumar, Hem Singh, Abhishek Yadav, Sachin Arya and Ravi Shanker (2019). Evaluate the effect of insecticides and bio pesticides on the spiders population. *International Journal of Chemical Studies*, **7**(6): 1146-1150.
14. Reetesh Pratap Singh, Rajendra Singh, Bhupendra Singh, Dhruv Singh, Chandra Kant a and Ravi Shanker. (2024). Influence of Prevailing Weather Parameters on Population of Fruit Borer, *Helicoverpa armigera* (Hubner) on Tomato in Western Uttar Pradesh. *Journal of Experimental Agriculture International*, **46** (5): 76-81.
15. Malyaj R. Prajapati, **Ravi Shanker**, Reetesh P. Singh, Rajendra Singh, Pankaj Kumar, Jitendra Singh, Mahesh K. Bharti and Lokesh K. Gangwar (2025). Efficacy of the entomopathogenic fungus, *Metarhizium anisopliae* (Metsch.) Sorokin, against larvae of *Hellula undalis*, under laboratory conditions. *Spanish Journal of Agricultural Research*, **23** (1): 20875.

### **C. ARTICLES:**

1. **Ravi Shanker**, Sachin Arya and Aditya Patel published an article “Bahu Phasal Phakshi Kit: Fall Army Worm in “Krishak Bharti” Hindi Magazine Page No. 31 January 2022.
2. **Ravi Shanker**, Deepak Singh, Abhishek Kumar and Sachin Arya published an article
3. “Matar ke pramukh Kit avam unka prabandhan” in “Krishak Bharti” Hindi Magazine Page No. 48 February 2022.
4. **Ravi Shanker** and Radha Vinod Singh “Dalhani Phaslo ke Pramukh kit avam unaka Prabandhan in “Krishak Bharti” Hindi Magazine Page No. 42 July 2021.
5. **Ravi Shanker**, Aditya Patel, Sushant Kumar and Pawan Kumar “Jalvayu Parivartan Ka Krishi Par Prabhav in “Krishak Bharti” Hindi Magazine Page No. 42 October 2021.
6. **Ravi Shanker**, Sachin Arya, Aditya Patel, Pawan Kumar and Narne Kavya “An introduction of Helpful Insects” Times of Agriculture in English Magazine Page No. 94-95, February 2022.
7. **Ravi Shanker**, Pawan Kumar and Sachin Arya “Major insect-pests of mustard and their management” Times of Agriculture in English Magazine Page No. 70-71, January 2022.
8. **Ravi Shanker**, Sachin Arya, Aditya Patel and Pawan Kumar “Major insect-pests of Banana and their management” Times of Agriculture in English Magazine Page No. 73-75, April, 2021.
9. Sushant Kumar, **Ravi Shanker** and Aditya Patel “Dalhani Phasalo me Akikrit Kit Prabandhan” “Krishak Bharti” Hindi Magazine Page No. 37, March 2022.

### **WORKING EXPERIENCE**

1. Presently working as Assistant Professor (Plant Protection - Entomology), Sadar Vallabhkhairi Patel University of Agriculture and Technology, Meerut- 250110 since 14 February, 2025.

2. Worked as Guest Faculty (Entomology) at Sadar Vallabhbhai Patel University of Agriculture and Technology, Meerut from 28 March 2022 to 01 July 2024.
3. Worked as an Assistant Professor in School of Agricultural Sciences, IIMT University, Meerut from 09<sup>th</sup> September, 2020 to 10<sup>th</sup> February, 2025.

**(RAVI SHANKER)**