

## Department of Entomology

### Faculty-

1. **Name & Designation-** Dr. Hem Singh

2. **Passport Photo**

3. **Highest Qualification-**Ph.D. (Zoology with specialization in Entomology)



4. **Specialization/Area of Interest-**I. IPM, Biological, Economic Entomology, Residue analysis, Sericulture, commercial Entomology *etc.*

5. **Contact Details-** Mob. 9719377902, Email Id. [hemsingh1972@yahoo.com](mailto:hemsingh1972@yahoo.com) and [hemsingh@svpuat.edu.in](mailto:hemsingh@svpuat.edu.in)

### 6. Brief Profile-

#### Professional Experience:

- **March, 2018** – **Associate** Professor, Department of Entomology, college of Agriculture, Sardar Vallabhbhai Patel University of Agriculture & Technology, Meerut-250 110, (U.P.) India.
- **March, 2005-** Assistant Professor, Department of Entomology, college of Agriculture, Sardar Vallabhbhai Patel University of Agriculture & Technology, Meerut-250 110, (U.P.) India.

**Students Guided-** Dr. Hem Singh guided 4 Ph.D. and 21 M.Sc. Entomology Students from SVPUA&T and 07 Students from other university.

**Projects-** Dr. Hem Singh handled 9 externally funded project out of these 3 as P.I. and 6 as Co. P.I

**Research Papers-** Dr. Hem Singh published More than 90 Research papers in reputed national and international journals. The details are some important research papers given below:

1. **Singh Hem** and Rizvi P. Q. Effect of different Host Plants on the developmental behavior of lemon butterfly (*Papilio demoleus* L.). Under natural conditions *Asian J. of Bio. Sci.* (2006) Vol. 1 No. 2: 152-153.
2. **Singh, Hem** and Rizvi P. Q. Age specific survival and fertility table of *Papilio demoleus* on different host *J. Insect Science* 20 (special): 151-152. (2007).
3. **Singh, Hem**, Arvind Kumar, Adbhut Yadav, R. N. Yadav, R. B. Yadav, J. L. Yadav (2009). Efficacy and economic of some bio-pesticides and chemicals for management of fruit borers in okra (*Abelmoschus esculentus* Linn.) *Indian journal of plant-Protection sciences.* Vol. 17 (2) 316-318
4. **Singh, Hem.,**Singh, D.V., Sachan, S.K. and Yadav, R.B. Evaluation of bio-pesticides and chemicals for management of borers in okra. *J. of Insect Science.* 21 (4) : 414-416 (2008).

5. **Singh, Hem**, Arvind Kumar, Adbhut Yadav, R.N.Yadav, R.B.Yadav,J.L. Yadav Efficacy and economic of some bio-pesticides and chemicals for management of fruit borers in okra (*Abelmoschus esculentus* Linn.) *Indian journal of plant-Protection sciences.* (2009) Vol 17 (2) 316-318
6. Naqvi, A. Nakat, **Singh, Hem** and Rizvi, P.Q. Population dynamics of *Coccinella septempunctata* Linnaeus at different temperature regime vis-as-vis natural conditions. *J. of Insect Science.* 23 (1) : 33-37 (2010)
7. **Singh, Hem** and Singh, K. Evaluation of some bio-pesticide for management fruit in okra (*Abelmoschus esculantus* Linn.) *Annals of Entomology-29* (1) : 63-65 (2011).
8. **Singh, Hem.** , Kumar, Ajay., Kumar, Nitin., Singh, H.R and Yadav, R.N (2013) Efficacy and economics of some bio- pesticides in management of *Helicoverpa armigera* (Hub)on Chickpea. *Ann. Entomology.*, 31(2)213-215.
9. Kumar Kaushlendra, **Singh, Hem**, Vaseem Mohd., Nirvesh Singh and Yadav Devendra Kumar (2014). Age Specific life Table of Mulberry Silkworm (*Bombyx mori* Linn.) Under Different Conditions. *J. of exp. zool. India.* Vol. 17 (2) pp. 537-541.
10. Vaseem Mohd., **Singh, Hem**, Kumar Kaushlendra and Mohd Ali (2014) Efficacy of Newer Insecticides Against Diamond Back Moth (*Plutella xylostella* Linn.) on Cabbage under Poly House Condition. *J. Exp. Zool. India.* Vol. 17 (2) pp.487-489.
11. **Singh, Hem.** , Kumar, Ajay and Yadav, R.N (2015) to study the age specific life table of Mulberry Silk worm (*Bombyx mori* Linn. race Nistari) on two cultivar of mulberry plants. *South Asian J. Food Technology, Environment.* 1(2) pp.175-176.
12. Archana, **Hem Singh** and A.K. Jaitly(2016) Analysis of trace metals in underground drinking water of Bareilly, *International Journal of Agriculture Innovations and Research* 4(6) pp. 1027-1032
13. **Singh, Hem**, Kumar, Ajay and Yadav, R. N. (2015). To study the age specific life table of Mulberry Silk worm (*Bombyx mori* Linn. race Nistari) on two cultivar of mulberry plants. *South Asian J. Food Technology, Environment.* 1(2) pp.175-176.
14. Vinod Kumar, **Hem Singh**, Sushil Kumar, MP Gautam and Sachin kumar (2018).Construction of stage specific life table of rice brown plant hopper (*Nilaparvata lugens* Stal.) on Pusa Basamati-1 and Pant Dhan-12 under natural condition *Journal Of Entomology and Zoology Studies*, 6 (5):404-408
15. Abhishek Yadav, Veer Singh, Amit Yadav, Ajay Kumar and **Hem Singh** (2018). Effect of Dates of Sowing on The Incidence of Pea Stemfly, *Ophiomyia Phaseoli* (Tryon) on Pea In Rajastha, *Bulletin Environment, Pharmecology and Life Sciences*, 7 (10): 71-74.

16. Sushant Kumar, **Hem Singh**, Abhishek Yadav, Sachin Arya 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.
17. Kumar, Sushant and **Singh, Hem** (2020). Studies on the influence of insecticides and bio pesticides for the management of Brown plant hopper, *Nilaparvata lugens* (Stal) in the condition of western U.P. *International Journal of Tropical Insect Science* pg: 1-19.
18. Verma, P. K., **Singh, Hem.**, Singh, B., Singh, R. P. and Verma, A. (2021). Population dynamics of brown plant hopper, *Nilaparvata lugens* (Stal.) in basmati rice and its correlation with abiotic factors in western plain zone of Uttar Pradesh. *The Pharma Innovation*, **10** (11): 35-38.
19. Yadav, A., Singh, G., **Singh, Hem.**, Chaudhary, M., Gautam, M.P., Singh, G., Yadav, T. and Yadav, A. (2022). Impact of abiotic factors on population fluctuation of major pod borers in black gram under western U.P. conditions. *Legume Research-An International Journal*.
20. Kumar, S., **Singh, Hem.**, Patel, A., Patel, J.N. and Chandrakant (2022). Brown plant hopper, *Nilaparvata lugens* (Stal.) (Insecta:Delphacidae) a major insect of rice in India: A review, *Journal of Entomological Research*. **46** (2): 333-338.
21. Patel, A., **Singh, H.**, Singh, G., Singh, D.V. and Singh, R. (2022). Seasonal incidence of sucking insect-pest and correlation with weather parameters in the condition of western UP, *The Pharma Innovation Journal*, **11** (6) : 2320-2324.
22. Kumar, S., **Singh, Hem** and Verma, P. K. (2022). Life and fertility table for female of mulberry silkworm, *Bombyx mori* Linn. race NB4D2 x SH6 at different temperatures under laboratory conditions. *The Pharma Innovation Journal*, 11(9): 2772-2776.
23. Kumar, S., **Singh, Hem**, Verma, A. P., Kumar, V. and Patel, A. (2022). Age specific life table of mulberry silkworm, *Bombyx mori* Linn. race NB4D2 x SH6 at two different temperatures ranges under laboratory conditions. *International Journal of Tropical Insect Science*, 42(6), 3785-3791.
24. **Review Paper**
1. Kumar, S., **Singh, Hem, Patel, A., Patel, J. N. and Kant, C.** (2022). Brown plant hopper, *Nilaparvata lugens* (Stal)(Insecta: Delphacidae) a major insect of rice in India: A review. *Journal of Entomological Research*, 46(2), 333-338.

**Awards-** Dr.Hem Singh received many award as **Dr Akhtar Husain Vishisth Krishi Vegyanic Award**” by UPCAR from Governor of U.P, **Distinguished Scientist Award -2015, Young Scientist Associate Award-2016, Best Participant award”**, **Scientist of the Year2018, Certificate of Appreciation**” by Hon;ble Vice Chancellor, SAAR **Distinguished Scientist Award -2018-19, Entomologist of the Year2019** etc.