

Department of Entomology

Faculty-

1. Name & Designation- Dr. Gaje Singh

2. Passport Photo



3. Highest Qualification-Ph.D. (Entomology & Zoology)

4. Specialization/Area of Interest-I. Toxicology of insecticides, Host Plant Resistance, Insect behavior and Insect Physiology and applied Entomology as (i) IPM of Sugarcane insect pests ii. IPM of Pulses Insect pests iii. IPM of Storage Insect pests

5. Contact Details- Mob. 9411958126, Email Id. gsduhoon@yahoo.com and gajesingh@svpuat.edu.in

6. Brief Profile-

Professional Experience:

- **May, 2022** –Professor& Head, Department of Entomology, college of Agriculture, Sardar Vallabh Bhai Patel University of Agriculture & Technology, Meerut-250 110, (U.P.) India.
- **March,2011-** Professor, Department of Entomology, college of Agriculture, Sardar Vallabh Bhai Patel University of Agriculture & Technology, Meerut-250 110, (U.P.) India.
- **March, 2005 –March,2011,** Associate Professor, Department of Entomology, college of Agriculture, Sardar Vallabh Bhai Patel University of Agriculture & Technology, Meerut-250 110, (U.P.) India.
- **July 1998- March 2005,** Assistant Professor/ Training Associate (P.P), Sardar Vallabh Bhai Patel University of Agriculture & Technology, Meerut-250 110, (U.P.) India.

Students Guided- Dr. Gaje Singh guided **10 Ph.D.** and **12 M.Sc.** Entomology Students.

Projects- Dr. Gaje Singh handled **18 externally funded project** including testing projects of MNC.

Research Papers- Dr. Gaje Singh published More than 70 Research papers in reputed national and international journals. Followings are some important research papers:

1. **Singh, G.,**Sirohi, Anil and Malik, Y P. 2008. Impact of improved technology on the productivity of Indian mustard. *Journal Oilseed Research.*, **25**(1): 125.
2. **Singh, G..** and Sirohi, Anil. 2008. Impact of improved technology on the productivity of Pigeon pea *Environment and Ecology.* **26**(3): 1200-1201.
3. **Singh, G.,** Prasad, C.S., Sirohi, Anil, Arvind Kumar and Nawab Ali. 2009. Field evaluation of Rynaxypyr 20 SC against insect pests of sugarcane. *Ann. Pl. Protec. Sci.* **17**(1) 50-52.
4. **Singh, G.,** Prasad, C.S., Sirohi, Anil, Loknath and Ravindra Pal. 2009. Field evaluation of B.t. against pod borer in pigeon pea. *Progressive Agriculture.*9(1):150-152.
5. **Singh, G.,** Dhaka, S.S., Ali, N., Yadav, A. and Singh. R. 2010. Efficacy of insecticides and bio-pesticides. against *Helicoverpa armigera* on *Vigna mungo*. *Ann. Pl. Protec. Sci. Sci.***18** (1): 225-227.
6. **Singh,G.,**Prasad, C. S.,Rana, N.S., Kumar Ashok, Kumar,A. and Ali, N. 2010.Field evaluation of chemical insecticides and bio-pesticides against termites in sugarcane. *Progressive Agriculture* (Special issue). 10 (3) : 124-126.
7. **Singh, G.,** Prasad, C.S., Sirohi, Anil, N. Ali, Dhaka ,S. S. and A. Kumar. 2010. Evaluation of bio-pesticides and neem formulations against pod borer in lentil. *Environment and Ecology.* **28** (1B)., 661-663.
8. **Singh, G.,** Prasad, C.S., Sirohi, Anil, ,A. Kumar , Dhaka ,S. S. and N. Ali. 2010. Effect of bio-pesticides against stem fly and pod borer complex in field pea .. *Ann. Pl. Protec. Sci.* **18**(1): 10-12.
9. **Gaje Singh,** Kamika Chaudhary and Rohit Rana (2018). Efficacy of plant derived essential oils against *Sitophilus oryzae* (L.) in stored wheat grains. *Journal of Agriculture Research and Development*,10(11): 633-636.
10. Dhaka, S.S. N. Ali, and **Singh, G.** 2011. Effect of Ecdysone Agonist, Methoxyfenozide (RH-2485) on the last Instar Larvae of *Antigastra catalaunalis* (Dup.). *Prog. Agril* (Special issue). **10** (3) : 126-128.
11. Dhaka, S.S., **G. Singh,** A. Yadav, V. Mittal, D.V. Singh and B. Singh. (2011). Seasonal incidence of the pod borers, *Etiella zinckenella* (Treitschke) and *Helicoverpa armigera* (Hubner) on vegetable pea in Meerut. *Annals of Horticulture.* **4**(1) : 89-94.
12. Dhaka, S.S., **G. Singh,** A. Yadav, N.Ali and D.V. Singh. (2012). Evaluation of some novel insecticides against rice leaf folder ,*Cnaphalocrosis medinalis* (Guenee).*Prog.Agri.*12(2) : 360-364.

13. Mange Ram, S.K. Sachan and **Gaje Singh** (2014). Study on population build up of rice leaf folder, *Cnaphalocrocis medinalis* (Guenee) in relation to weather factors. *Int. J. of Adv. Res.* 2 (10): 75-77.
14. Nawab Ali*, **Gaje Singh**, S.P.Singh, S.S. Dhaka, Mange Ram and K.B. Tawar (2014). Efficacy of different management practices against *Chilo partellus* (Swinhoe) in Kharif maize in Western Uttar Pradesh. *Int. J. of Adv. Res.* 2 (11): 952-956.
- 15.
16. More Onkar Vijaykumar, **Gaje Singh** and Mange Ram (2015). Evaluation of some powdered spices as toxicant against red flour beetle, *Triboloum castaneum* Herbst. *Int. J. of Curr. Res.* 7(4): 14353-14355.
17. Sudhir Kumar, **Gaje Singh** and Deepak Kumar (2015). Effect of Some Novel Insecticides on Larval Population of Gram Pod Borer, *Helicoverpa armigera* (Hub.) in Chickpea. *The Bioscane*, 10 (1):1-3.
18. Sudhir Kumar, **Gaje Singh**, Sushil kumar and Ravi Kumar (2015). Management of Gram Pod Borer (*Helicoverpa armigera*, Hub) in Chickpea (*Cicer arietinum*). *The Esoscane*. Special issue, Vol.VIII:385-388
19. Rohit Rana, **Gaje Singh**, S.K. Sachan, D.V.Singh, Rajendra Singh and Kamal Khilari (2016). Field Screening of Basmati Rice Germplasm against Yellow Stem Borer (*Scirpophaga incertulas* Walker). *Progressive Research*, 11(3): 345-348
20. Sushil Kumar, **Gaje Singh**, Sudhir Kumar and Awaneesh Kumar (2017). Evaluation of some novel insecticides against *Helicoverpa armigera* (Hubner) in black gram (*Vigna mungo*). *Journal of Entomology and Zoology Studies*, 5(3): 183-185
- 21.
22. Mange Ram , **Gaje Singh** and Harikesh Singh (2017). SURVEY AND SURVEILLANCE OF MAJOR SUGARCANE BORERS IN WESTERN PLAIN ZONE OF UTTAR PRADESH. *Journal of Entomology and Zoology Studies*, 20(2):1261-1264.
23. Rahul Singh, **Gaje Singh**, S.K. Sachan, D.V.Singh, Rajendra Singh and Prashant Mishra (2017). Assessment of losses due to pulse beetle in Chickpea under laboratory condition. *Journal of Plant development Science* , 9 (6):623-625
24. **Gaje Singh** (2017). Integrated Pest management in Organic Farming. *International Journal of Agriculture Research and Development*, 1(1) :9-17
25. **Gaje Singh**, Kamika Chaudhary and Rohit Rana (2018). Efficacy of plant derived essential oils against *Sitophilus oryzae* (L.) in stored wheat grains. *Journal of Agriculture Research and Development*, 10(11): 633-636.
26. Rahul Singh*, **Gaje Singh**¹, Visvash Vaibhav², Ankush Kumar³, Rajat Deshwal⁴ and Nitin kumar (2018). Effects of Edible Oils against Pulse Beetle *Callosobruchus*

Chinensis (Linn.), *New Age International Journal of Agriculture Research & Development*, Vol. 2(1) : 42-50

27. Abhishek Yadav, **Gaje Singh**, Hem Singh, DV Singh, Kamal Khilari and Vivek (2020). Succession of insect-pests complex associated with black gram in Western Uttar Pradesh. *Journal of Entomology and Zoology Studies*, 8(5):28-31
- 28.
29. Amandeep, **Gaje Singh**, Pradeep kumar and Avinash Varma (2021). Evaluation of indigenous plant extracts with cow urine against rice stem borer and rice leaf folder in basmati rice. *The Pharma Innovation journal*, SP-10(10):354-359.
30. Elluru Sireesha, **Gaje Singh**, Rajendra Singh and Bupendra Singh (2021). Bioefficacy and Economics of Certain Novel Generation Insecticides against Spotted Pod Borer, *Maruca vitrata* (Geyer) in Greengram (*Vigna radiata* L.). *Legume Research*, DOI:10.18805/LR-4651.
31. Amandeep, **Gaje Singh**, Pradeep Kumar Verma¹ and Ram Ajeet Chaudhary(2022). Evaluation of indigenous plant extracts with cow urine against natural enemies in basmati rice. *J. Exp. Zool. India*, 25 (1): 525-528.
32. Abhishek Yadav, **Gaje Singh**, Hem Singh, Mayank Chaudhary¹, M.P. Gautam, Gajendra Singh, Tara Yadav², Amit Yadav³ (2022). Impact of Abiotic Factors on Population Fluctuation of Major Pod Borers in Black Gram under Western U.P. Conditions. *Legume Research*, DOI: 10.18805/LR-4831.

Awards- Dr.Gaje Singh received many award as Gold Medal Award, Fellowship Award, life Time Achievement Award and appreciations letters from different institution/Societis and Vice Chancellors.