

Dr Rakesh Kumar

Scientist Entomology

Specialization: Economic Entomology

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Ongoing Research Projects

- Himachal Pradesh Horticulture Development Project (HPHDP)- Component: **Development of Package of Practices for Plant Protection (Entomology)** funded by World Bank with grant of ₹ 312 lakh. (Co-PI: Dr Rakesh Kumar).
- Out scaling of Fruit Fly traps for the management of Fruit Flies in different crops. ICAR Research Grant, Director of Research, UHF Nauni-Solan, for ₹ 5.00Lakh (Principal Investigator / Dr Rakesh Kumar).
- Testing of insecticides/acaricides sponsored by corporate sector funded by private industries. (Scientist Incharge).
- All India Coordinated research Project on Vegetable Crops AICRP (VC). Funded by ICAR (Co-PI Entomology).

Important Research Publications

- Robin, Rakesh Kumar, Shelly Kapoor and Anil Handa. 2023. Evidence for Upholding the Association of Whitefly Species *Bemisia tabaci* and *Trialeurodes vaporariorum* with Tomato Yellow Leaf Curl Virus. *Plant Pathol. J.*, **22** (1): 25-38. DOI: 10.3923/ppj.2023.25.38.
- Shivani Palial*, S. C. Verma, P. L. Sharma, R. S. Chandel, Rakesh Kumar, Meenu Gupta, Nidhi Sharma and Priyanka Sharma. 2022. Biology, predatory potential and growth parameters of the syrphidfy, *Scaevapyastris* (L.) (Diptera: Syrphidae) feeding on the cabbage aphid, *Brevicoryne brassicae* (L.). *Egyptian Journal of Biological Pest Control* (2022) **32**:134. <https://doi.org/10.1186/s41938-022-00632-5>.
- Chandel RS, Verma Joginder, Sharma, P, Kumar R and Sharma P. 2019. New insights of Processionary Moth, *Thaumetopoea cheela* (Moore) in dry temperate climate: The behavioural consequences and interactive effects on flowering and yield of pistachionut. *Indian Journal of Agricultural Sciences*. **89** (11): 1818–22.
- Rakesh Kumar, Urvashi Negi and KC Sharma. 2018. Bioefficacy of podophyllotoxin against *Plutella xylostella* L. and *Pieris brassicae*. *International Journal of Agriculture Sciences*.**10**(13):6539-6542.
- Urvashi Negi, Dhiman Sushil and Kumar Rakesh. 2018. Effect *Pseudomonas* sp. Based microbial formulations on green pod yield and shelling percentage of *Pisum sativum*. *International Journal of Agriculture Sciences*.**10**(15):6784-87.