

Dr. Joginder Singh

Senior Scientist



Specialization: Economic Entomology

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Ongoing Research Projects

- Bio-efficacy testing of brand new Horticulture Mineral Oils/Acaricides/Insecticides (Co-Principal Investigator).
- Pest surveillance under HP HDP (Co-Principal Investigator).
- Managed Pollination under HP HDP (Co-Principal Investigator).
- Canopy Management and Plant Architectural Engineering in Temperate fruits (Co-Principal Investigator).
- Honey and other hive products production model for sustainable high-hill beekeeping in Himachal Pradesh (Co-Principal Investigator).

Important Research publications

- Singh J, Chandel RS and Kumar P. 2023. Effect of Managed Pollination on Apple Production in Dry Temperate Regions of Western Himalayas. *Journal of Entomological Research* 46(suppl):1114-17.
- Singh J. 2022. Efficacy of acaricides against phytophagous mites of apple. *Indian Journal of Entomology* 84 (1): 152-55.
- Singh J and Sharma S. 2022. Efficacy of phosmet against woolly apple aphid *Eriosomalanagerum* (Hausmann). *Indian Journal of Entomology* 84(2):423-25.
- Chandel R, Singh J, Sharma PL, Kumar R and Kumar P. 2019. New insights of processionary moth, *Thaumetopoea cheela* on Pistachio nut (*Pistacia vera*): Interaction effect on flowering and nut yield. *Indian Journal of Agricultural Sciences* 89(11):1818-22.
- Singh J and Bhardwaj S. 2018. Field efficacy of new insecticides against apple woolly aphid, *Eriosomalanagerum* (Hausmann). *Indian Journal of Entomology* 80(2):353-355.
- Bhardwaj S and Singh J. 2018. New records of coleopterans on apple in Himachal Pradesh. *Indian Journal of Entomology* 80(2):487-488.
- Singh J and Bhardwaj S. 2018. Efficacy of some new insecticides aerial form of the apple woolly aphid, *Eriosomalanagerum* (Hausmann). *Indian Journal of Entomology* 80(3):822-824.
- Kumar P, Sharma SK, Chandel RS, Singh J and Kumar A. 2016. Nutrient Dynamics in Pistachios (*Pistacia vera* L): the effect of mode of nutrient supply

on agronomic performance and alternate bearing in dry temperate ecosystem. *Scientia Horticulturae*. 210:108-121.

- Verma JS and KC Sharma. 2006. Biology and predatory potential of *Metasyrphus confrater* (Wiedemann) on *Macrosiphum rosae* L. infesting *Rosa* spp. *Journal of Entomological Research* 30(1):31-32.
- Verma JS, Sharma KC and Sood A and Sood M. 2005. Biology and predatory potential of syrphid predators on *Aphis fabae* infesting *Solanum nigrum* L. *Journal of Entomological Research* 29(1):39-41).

Books and manuals

- Sood A, Sharma KC, Sood M and Verma JS. .2005. Syrphid Predators and Insect Pests associated with medicinal plants in Himachal Pradesh 64 pages.
- Sharma SK, Kumar P, Singh J and Kumar A. 2011 (In Hindi). Kinnaur mein Mausam ke badlate parivesh mein sitoshan fal baagichon ka parbandhan. 107 pages.
- Singh J, Sharma SK and Kumar P .2016. Sushk Sitoshan kshetron mein seb ke mukhy anaashi keet vbimaarion ka parbandhan. 52 pages.

Awards & Recognitions

- Best Poster Presentation award-2016 for the research paper in Indian Horticulture Congress (7th) on November 14-17, 2016 at New Delhi