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### Ongoing Research Projects

- All India Co-Ordinated Research Project on Biological Control of insect pests funded by ICAR for ₹ 40 lakhs/annum (Principal Investigator/Co-PI: Dr Subhash Chander Verma (PI) and Dr Vishav Gaurav Chandel (Co-PI).
- Enhancing Farm Income Through Climate Resilient Subhash Palekar Natural Farming System in Horticulture Ecosystems funded by Department of Agriculture, Govt. of Himachal Pradesh for ₹ 30 lakhs/annum from 2019 to ongoing (Principal Investigator /Co-PI: Dr Subhash Chander Verma).
- Comparative Analysis of Natural and Conventional Farming Practices in Apple in Himachal Pradesh funded by Department of Agriculture, Govt. of Himachal Pradesh for ₹ 9.00 lakh (Principal Investigator /Co-PI: Dr Subhash Chander Verma).
- Studies on the effect of natural farming practices on crop productivity under Horticulture based cropping system. Funded by Director of Research, UHF Nauni-Solan Grant ₹ 20 Lakhs. (Principal Investigator Dr Subhash Chander Verma).

### Important Research Publications

- Gaikwad MB, Verma SC, Sharma PL, Chandel RS, Challa N, Yankit P and Kedar SC. 2022. Functional response and predatory potential of coccinellid predator, *Oenopia kirbyi* Mulsant (Coccinellidae: Coleoptera) on rose aphid, *Macrosiphum rosae* L. (Aphididae: Hemiptera). *International Journal of Tropical Insect Science* <https://doi.org/10.1007/s42690-022-00745-2>
- Jamwal R, Sharma PL, Verma SC, Chandel R S and Nidhi Sharma. 2022. Predatory potential of *Blaptostethus pallescens* on Tuta absoluta and intra guild predation of *Trichogramma achaeae*. *International Journal of Tropical Insect Science* <https://doi.org/10.1007/s42690-022-00775-w>
- Katoch S, Sharma PL, Verma SC, Chandel RS, Sharma P, and Sharma N. 2022. Demographics and host-kill parameters of *Diglyphus horticola* Khan against *Chromatomyia horticola* (Goureau). *Bulletin of Entomological Research*, 1-13. <https://doi.org/10.1017/S0007485322000499>
- Palial S, Verma S, Sharma PL, Chandel RS, Kumar R, Gupta M, Sharma N and Sharma P. 2022. Biology, predatory potential and growth parameters of the syrphid fly, *Scaeva pyrastris* (L.) (Diptera: Syrphidae) feeding on the cabbage aphid, *Brevicoryne brassicae* (L.) *Egyptian Journal of Biological Pest Control* **32**, 134. <https://doi.org/10.1186/s41938-022-00632-5>
- Dev B, Verma SC, Sharma PL, Chandel RS, Gaikwad MB, Banshtu B and Sharma P. 2021. Evaluation of *Metarhizium rileyi* Farlow (Samson) impregnated with azadirachtin and indoxacarb against *Helicoverpa armigera* (Hubner) *Egyptian Journal of Biological Control* **31**:142-149.

- Jamwal R, Sharma PL, Verma SC, Chandel RS and Sharma N. 2021. Demographic and functional response of *Blaptostethus pallescens* preying on *Tuta absoluta* *Phytoparasitica*, **49**(4), 589–601. <https://doi.org/10.1007/s12600-021-00904-0>.
- Kumari M and Verma SC. 2021. Growth development nutritional indices of tobacco caterpillar *Spodoptera litura* (F) raised on bell pepper plants under elevated CO<sub>2</sub> and temperature conditions. *Journal of Agrometeorology* **23**(2): 163-168.
- Walia A, Verma SC, Sharma PL, Sharma N and Palial S. 2021. Relative preference and demographic parameters of *Encarsia formosa* Gahan against *Trialeurodes vaporariorum* (Westwood). *Egyptian Journal of Biological Pest Control*, **31**:79.
- Walia A, Verma SC, Sharma PL, Chandel RS, Palial S and Sharma N. 2021. Foraging behaviour and mutual interference of *Encarsia formosa* Gahan parasitizing greenhouse whitefly, *Trialeurodes vaporariorum* Westwood. *International Journal of Tropical Insect Science* <https://doi.org/10.1007/s42690-021-00604-6>
- Guleria P, Sharma PL, Verma SC, Chandel RS and Sharma N. 2020. Functional Response of *Neochrysochari Formosa* to *Tuta absoluta*. *Biocontrol Science and Technology* .<https://doi.org/10.1080/09583157.2020.1846163>.

## Books

- Bhardwaj SK, Verma S, Verma SC, Sharma SD and Bhardwaj R. 2012. Zila Solan mein Mausam ke badlne parvesh mein fasal utpadan. Published by Department of Environmental Science, UHF, Nauni, Solan, HP. p.141.
- Joshi AK, Kanwar HS, Verma SC and Kotnala K. 2007. Production Technology of spices in Himachal Pradesh. Published by Seed Technology and Production Centre, Dr. YS Parmar University of Horticulture and Forestry, Nauni, Solan, HP. p.50.
- Kanwar HS, Joshi AK, Verma SC and Kotnala K. 2007. Himachal mein masala phasaloon ki kheti. Published by Seed Technology and Production Centre, Dr. YSParmar University of Horticulture and Forestry, Nauni, Solan, HP. p.44.