

Dr Pramod Verma

Assistant Professor

Specialization: Orchard Floor Management

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On-going Research Projects

- Himachal Pradesh Horticulture Development Project (Research Component: Development of package of practices for high density plantation on clonal rootstock) funded by World bank for Rs 1065.86 lakhs from 2016 to 2023 (Co-PI).
- Precision Farming Technologies for enhancing yield and quality of horticultural crops funded by MIDH, Govt. of Himachal Pradesh for Rs. 5000000 from 2020-2023 (Co-PI).
- Bio-efficacy of herbal preparations against scab disease of apple funded by National Innovation Foundation - India Aided Project for Rs 5,50,000/- from 2022 to 2023 (Co-PI).

Important Research Publications

- **Verma P**, Singh J, Sharma S and Thakur H. 2023. Phenological growth stages and growing degree days of peach [*Prunus persica* (L.) Batsch] in sub-temperate climatic zone of North-Western Himalayan region using BBCH scale. *Annals of Applied Biology* 182: 284-294 DOI: 10.1111/aab.12815.
- **Verma P**, Sharma S, Sharma NC and Chauhan N. 2023. Review on crop load management in apple (*Malus × domestica* Borkh.). *Journal of Horticultural Science and Biotechnology*. 98(3): 299-321. DOI: 10.1080/14620316.2022.2149425.
- Ladon T, Chandel J S, Sharma N C, **Verma P**, Singh G and Bhickta G. 2022. Influence of planting density, canopy architecture and drip fertigation on plant growth and productivity of apple (*Malus × domestica* Borkh.). *Indian Journal of Ecology* 49(4): 1292-1298. DOI: <https://doi.org/10.55362/IJE/2022/3660>
- Dangi G, Singh D, Chauhan N, Dogra R K, **Verma P** and Sharma S. 2021. Characterization of selected sweet cherry (*Prunus avium* L.) varieties using DUS Test Guidelines. *Indian Journal of Plant Genetic Resources* 34(2): 290-294.
- Patial S, Chandel J S, Sharma N C and **Verma P**. 2021. Influence of auxin on rooting in hardwood cuttings of apple (*Malus × domestica* Borkh.) clonal rootstock 'M 116' under mist chamber conditions. *Indian Journal of Ecology*. 48(2): 429-433.
- **Verma P**, Chandel J S and Sharma N C. 2020. Perspective of drip irrigation in temperate fruits in India – A review. *Journal of Soil and Water Conservation* 19(2): 149-155.
- Thakur J, Sharma J C, Mohit and **Verma P**. 2020. Vegetative Growth and Foliage Nutrient Content of Super Chief Apple under Different Irrigation and Fertigation Schedules in NW Himalayan Region. *Communications in Soil Science and Plant Analysis*. 51(16): 2174-2188 DOI: 10.1080/00103624.2020.1820028.
- Chandel J S, Sharma S and **Verma P**. 2019. Effect of calcium sprays on fruit quality and shelf life of apple (*Malus × domestica* Borkh.). *Indian Journal of Agricultural Sciences*. 89(9):1539-42.

- Singh D, Kumar K, Chauhan N, Dogra R K and **Verma P**. 2018. Assessment of genetic variability, its heritable components and character association in yield and yield contributing traits in apricot (*Prunus armeniaca*). *Indian Journal of Agricultural Sciences* **88(7)**: 1037-1043.
- **Verma P** and Chandel J S. 2018. Influence of drip irrigation on soil moisture content, water requirement and water use efficiency of peach (*Prunus persica* (L.) Batsch.) cv. Redhaven. *Journal of Soil and Water Conservation* **17(4)**: 350-356.

Books/Manual:

- Sharma NC, **Verma P** and Sharma DP. 2022. *Training Manual on Nursery Production of Temperate Fruits*. Department of Fruit Science, Dr Y S Parmar UHF Nauni, Solan (H.P.) – 173230.
- Kumar K, Thakur DS and **Verma P**. 2020. *Elementary Fruit Breeding: A Practical Manual*. DTP system, Directorate of Extension Education. Dr Y S Parmar UHF Nauni, Solan (H.P.) – 173230.
- Chandel JS, Sharma NC and **Verma P**. 2020. *Plant Propagation and Nursery Management of Fruit Crops; A Practical Manual*. DTP system, Directorate of Extension Education. Dr Y S Parmar UHF Nauni, Solan (H.P.) – 173230.

Awards & Recognitions

- Awarded **young scientist award by VDGGOOD Professional Association** in the 11th International Scientist Awards on Engineering Science and Medicine, held on October 17 & 18, 2020.
- Received **Certificate of Excellence in Reviewing** by Journal of Experimental Agriculture International on September 21, 2021.
- Received **Certificate of Excellence in Reviewing** by International Journal of Environment and Climate Change on July 19, 2022.