

Dr. Neena Chauhan

Associate Professor

Specialization: Fruit Science (Plant Propagation & Orchard Management)

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Ongoing Research Projects

- Establishment of Field Gene Bank of Temperate Fruits funded by PPV&FRA for ₹ 10.30 lakh from 2016 to long term (Principal Investigator)
- Technology standardization on management of russetting in high colouring apple strains for ₹ 2.0 lakh for the year 2023-2024 under Research and Development funds (Principal Investigator).
- Technology standardization for production of apple nursery feathered sanctioned by plants for commercialization in Himachal Pradesh for ₹ 3.5 lakh for the year 2023-2024 under Research and Development funds (Principal Investigator).
- Development of Package of Practices for High Density Plantation on Clonal Rootstock funded by World Bank for ₹ 1050 lakh from 2016 to 2023 (Co-PI)
- Development of Subhash Palekar Natural Farming (SPNF) Model in apple under Prakritik Kheti Khushal Kisan Scheme funded by Department of Agriculture, Govt. of Himachal Pradesh for ₹ 1.13 crores from 2019 to 2024 (Collaborator).
- Evaluation of nutrients and Plant Growth Regulators funded by chemical companies from 2013-long term under chemical testing scheme (Co-PI).

Important Research Publications

- Verma P, Sharma S, Sharma NC and Chauhan N. 2022. Review on crop load management in apple (*Malus x domestica* Borkh.). *Journal of Horticultural Science and Biotechnology* 98(3): 299-21.
- Sharma M, Sharma R, Sharma NC, Rana N, Sharma P and Chauhan N. 2021. Graft-induced variations on morphological, biochemical and molecular parameters in apple (*Malus x domestica* Borkh.). *Indian Journal of Experimental Biology*. **59**: 339-48.
- Dangi G, Singh D, Chauhan N, Dogra RK, 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): 290-4.
- Sharma S, Sharma N, Sharma DP and Chauhan N. 2020. Effects of GA₄₊₇ + BA and CPPU on russetting and fruit quality in apple (*Malus x domestica*). *Indian Journal of Agricultural Sciences* 90: 74-7.

- Chauhan N and Chandel JS. 2010. Growth, productivity, leaf nutrient contents and water-use efficiency of kiwifruit (*Actinidia deliciosa*) under drip and basin irrigation system. *Indian Journal of Agricultural Sciences* 80(7): 584-7.
- Chauhan N and Chandel JS. 2008. Effect of fertigation on growth, yield, fruit quality and fertilizer-use efficiency of kiwifruit (*Actinidia deliciosa*). *Indian Journal of Agricultural Sciences* 78(5): 389-93.

Awards & Recognitions:

- Letter of appreciation awarded by ADR (R&E), RHR&TS, Mashobra, for outstanding contribution/ dedication on Apple Day cum Kisan Mela on August 8, 2022.
- Best poster presentation certificate in the 1st Himachal Pradesh Science Congress held on October 15-16, 2014 at, Shimla, HP.
- Letter of appreciation extended by Scientist Incharge, RHR&TS, Dhaulakuan, awarded by the Director of Extension Education, YS Parmar University of Horticulture and Forestry, Solan during the year 2012.