

Dr N C Sharma
Associate Professor

Specialization: Fruit Tree Nutrition and Plant Propagation

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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).
- Creation of gene bank of temperate fruit crops and nursery production funded by World bank for Rs 254.10 lakhs from 2020 to 2024 (Co-PI).
- Enhancing nutrient use efficiency, qualitative and quantitative traits of apple with POLY4 customized fertilization funded by Sirius Minerals Pvt. Ltd., London, UK for Rs 31.50 lakhs from 2020 to 2023 (Co-PI).
- Evaluation of potassium nutrition in combination with ICL unique K grades in low and high density apple orchards funded by ICL Co. Pvt. Ltd for 27.81 lakhs from 2022 to 2025 (Co-PI).

Important Research Publications

- Jailyang Landi, **Sharma NC**, Chandel JS, Rana VS, Rana Kiran, Chauhan Priyanka. 2022. Influence of Bee Scent and other indigenous bee attractants on bee activity and fruiting behaviour of kiwifruit (*Actinidia deliciosa* A. Chev.). *Scientia Horticulturae*. 295:110869. doi.org/10.1016/j.scienta.2021.110869.
- Chauhan Priyanka, **Sharma Naveen C**, Chandel JS, Kumar Pramod and Sharma Uday. 2022. Effect of graded levels of NPK on growth and leaf nutrient content of apple (*Malus × domestica*) nursery plants. *Indian Journal of Agricultural Sciences* 92 (3): 311–315.
- Thomas J, **Sharma NC**, Kumar P, Chauhan A and Chauhan P. 2022. Effect of biostimulant and biofertilizers on soil bio-chemical properties and plant growth of apple (*Malus × domestica* Borkh.) nursery. *Journal of Environmental Biology*. 43 (2): 276-283.
- Saini Simran, Kumar Pramod, **Sharma Naveen C**, Sharma Nisha and Balachander C. 2021. Nano enabled Zn fertilization against conventional Zn analogues in strawberry (*Fragaria × ananassa* Duch.). *Scientia Horticulturae* 282: 1-15.
- Sharma Megha, Sharma Rajnish, **Sharma Naveen C**, Rana Neerja, Sharma Parul and Chauhan Neena. 2021. Graft-induced variations on morphological, biochemical and molecular parameters in apple (*Malus × domestica* Borkh.). *Indian Journal of Experimental Biology*. 59: 339-348.
- **Solanki SPS, Sharma NC, Chandel JS and Kumar Pramod. 2019. Effect of conjoint bio-organic and inorganic sources on plant growth, leaf nutrient content and soil properties of peach (*Prunus persica*). *Indian Journal of Agricultural Sciences* 89(1): 16-21.**
- Kumar Pramod, Sharma Som Dev, **Sharma NC** and Meera Devi. 2015. The path coefficient analysis of yield components for leaf nutrient concentrations in Mango (*Mangifera indica* L.)

under rainfed agro-climatic conditions of north-west Himalaya. *Scientia Horticulturae* 190:31–35.

- **Sharma NC**, Sharma SD and Spehia RS. 2013. Effect of plastic mulch colour on growth fruiting and fruit quality of strawberry under polyhouse cultivation. *International Journal of Bio-resource and Stress Management* 4(2): 314-316.
- Sharma **Som Dev**, **Sharma NC**, Sharma CL, Kumar Pramod and Chandel **Ashu**. 2012. *Glomus–Azotobacter* symbiosis in apple under reduced inorganic nutrient fertilization for sustainable and economic orcharding enterprise. *Scientia Horticulturae* 146: 175-181.
- **Sharma NC** and Chandel JS. 2005. Seasonal changes in leaf nutrient contents of kiwifruit (*Actinidia deliciosa* A. Chev.). *Indian J. Hort.* 62(3): 288-289.

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.
- 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

- Avishkar Achievers Award-2022 as National best Scientific Researcher of the year awarded by Avishkar Foundation Solapur.
- Best Thesis and Innovative Research Award - 2020 in the field of horticulture for the research entitled “Effect of conjoint bio-organic and inorganic nutrient sources on plant growth, leaf nutrient content and soil properties of Peach (*Prunus persica*)” by Association of Plant Science Researchers, Plantica Foundation, Dehradun, Uttarakhand.
- Best poster award in Horticulture during 1st International Conference on “Bio-Resource and Stress Management held at Kolkata w.e.f. 6-9 February, 2013.
- Best poster award by Horticultural Society of India during 4th Indian Horticultural Congress-2010 held at New Delhi w.e.f. 18-21 November, 2010.
- Umadutt Mamgain 2nd best Research Award for Ph.D. thesis by Society for Advancement of Human and Nature (SADHNA), UHF, Nauni at Solan.