

Dr DP Sharma

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Specialization: Orchard Management

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Ongoing Research Projects

- Himachal Pradesh Horticulture Development Project (Fruit Science) funded by HP-HDP World Bank for 1050.95 lakh from 2019 to 2024 (Principal Investigator)
- Preparation of People's Biodiversity Register (PBPR) at Panchayat, Block and district level in district Sirmaur, H.P funded by HP State Biodiversity Board for ₹ 46.80 lakh from 2017 to 2024 (Principal Investigator)
- Evaluation of potassium nutrition in combination with ICL unique K grades in low- & high-density apple orchards funded by ICL Management & Trading India, Gurugram, Haryana for 27.81 lakh from 2022 to 2025 (Principal Investigator)

Important Research Publications

- **Sharma DP**, Singh N. 2022. Soil Sickness in fruit Orchards: Causes and Management. *Allelopathy Journal* **56**(1): 1-22.
- Kumar A, **Sharma DP**, Kumar P, Sharma G and Suprun II. 2022. Comprehensive insights on Apple (*Malus × domestica* Borkh.) bud sport mutations and epigenetic regulations. *Scientia Horticulturae* 297:110979.
- Thakur M, Luharch R, Sharma V and **Sharma DP** (2021) Molecular markers based genetic relatedness studies in tissue culture propagated Japanese plum cultivars Santa Rosa and Frontier. *Genetic Resources and Crop Evolution*, **1**(1): 1-9.
- Kumar A, Kumar P, Sharma A, **Sharma DP** and Thakur M (2021) Scientific insights to existing know-how, breeding, genetics, and biotechnological interventions pave the way for the adoption of high value underutilized super fruit Sea buckthorn (*Hippophae rhamnoides* L.) *South African Journal of Botany*, 1-12.
- **Sharma DP**, Singh N and Thakur KK. 2021. Influence of soil agro-techniques and rootstock on management of apple replant diseases. *Indian Journal of Horticulture* **78**(4) 392-397.
- 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 × domestica*). *Indian Journal of Agricultural Sciences* **90**(4):746–9.
- Sharma Sumeet and **Sharma DP**. 2019. Effect of orchard floor management practices on growth, yield, leaf and soil nutrients in nectarine (*Prunus persica*). *Indian Journal of Agricultural Sciences* **89**(11): 1982–4 (Short communication).
- Sharma S and **Sharma DP**. 2018. Effect of orchard floor management treatments on soil hydrothermal regimes under rainfed conditions of Himachal Pradesh in nectarine (*Prunus persica* var. *nucipersica*) cv. Snow Queen. *Indian Journal of Agricultural Sciences* **88** (7): 1115–1122.

- **Sharma DP**, Sharma HR and Sharma N. 2017. Evaluation of apple cultivars under sub-temperate mid hill conditions of Himachal Pradesh. *Indian Journal of Horticulture* **74**(2): 162-167.
- **Sharma DP** and Joolka NK. 1997. Effect of bio-regulators on chlorophyll, carbohydrates and photosynthetic efficiency of apple leaves cv. Red Delicious. *Indian Journal of Horticulture* **54**(4): 308-311.

Books

- E- book on “Plant propagation and nursery management”.
<http://ecoursesonline.iasri.res.in/course/view.php?id=133>
- Girish Sharma, Paramjeet Sajwan and **D. P. Sharma**. 2022. Systematics of Fruit Crops and Applied Breeding Techniques. Jaya Publishing House, New Delhi, India.

Awards & Recognitions

- Best ATARI Zone-1 “Dindayal Uppadaya Antodaya Farmer Award” to Shri Karan Singh Thakur Village Daro Kidhar District Solan through KVK Solan conferred by ICAR on July 14, 2020.
- Appreciation letter for excellent Research and Development work at RHTS and KVK, Solan at Kandaghat by Hon’ble VC, October, 2020.
- Best KVK Award 2019 for KVK, Solan in online Annual Zonal Workshop of North Zone KVK’s under the aegis of ICAR on July 7, 2020.
- Second prize winner in poster session for the paper presented in 2nd Indian Horticulture Congress w.e.f. April 18-21, 2007, at ICAR-NEH, Barapani Complex Shillong, Meghalaya entitled “Standardization of top working techniques for apple and wild apricot under cold desert conditions of Spiti Valley (H.P.).”
- Appreciation and Commendation by members of BOM for outstanding work in Research and Development of RHRSS-Tabo, Spiti, Himachal Pradesh in its 57th and 67th meetings, October, 2001 and November, 2006 respectively.
- Appreciation letter for excellent Research and Development work at RHRSS, Tabo by Hon’ble VC, in October, 1999.