

Dr Satish Kumar Sharma

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Specialization: Vegetable and Fruit Pathology (Soil Borne Pathogens)

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Ongoing Research Projects

- Himachal Pradesh Horticulture Development Project funded by World Bank for ₹ 45 crores from 2016 to 2024; Research Activities under Component A: Horticulture Production and Diversification (PIU, UHF- Member).
- Evaluation of fungicidal activity of phosphoric acid against white root rot (*Dematophora necatrix*) and collar rot (*Phytophthora cactorum*) of apple funded by University Research and Development Fund for ₹ 2 lakhs (Co-PI)

Important Research Publications

- Pal J, Sharma SK, Devi S, Sharma R, Raj H, Karn M, Verma S, Reddy PV and Sharma A. 2020. Screening, identification and colonization of fungal root endophytes against *Dematophora necatrix*: an ubiquitous pathogen of fruit trees. *Egyptian Journal of Biological Pest Control* **30**(112) <https://doi.org/10.1186/s41938-020-00312-2>
- Kumar P, Sharma SK, Chandel RS, Singh J, and Kumar A, 2016. Nutrient dynamics in pistachios (*Pistacia vera* L.): The effect of mode of nutrient supply on agronomic performance and alternate-bearing in dry temperate ecosystem. *Scientia Horticulturae* **210**:108-121.
- Kumar P, Sharma SK and Anil Kumar. 2017. Foliar nutritive fluids affect generative potential of apples: Multilocation DOP indexing and PCA studies under dry temperate agro-climatic conditions of north-west Himalaya. *Scientia Horticulturae* **218**: 265–27.
- Pramanick KK, Kishore DK, Sharma SK, Das B and Murthy BNS. 2013. Commercial strawberry cultivation in different agro-climatic conditions in India. *International Journal of Fruit Science* **13**: 36-51.
- Pramanick KK, Kishore DK and Sharma, SK. 2005. Easy technique for multiplication of Kiwi fruit plants for meeting the demand. *International Journal of Fruit Science* **19**(1): 9-12.
- Gupta SK, Sharma SK and Shyam KR. 1998. Anti sporulent activity of ergosterol biosynthesis inhibitor fungicides against powdery mildew (*Sphaerotheca fuliginia*) of cucumber (*Cucumis sativus*). *Indian Journal of Agricultural Sciences* **68** (7): 382-383.
- Shridhar BP, Sharma M, Gupta SK and Sharma SK. 2018. New generation fungicides for the management of buckeye rot of tomato. *Indian Phytopathology* DOI 10.1007/s42360-018-0079-y.

- Sharma SK, Kumar R, Dohroo NP and Kaushal R. 2004. Effect of soil solarization on *Ralstonia solanacearum* population and bacterial wilt in Himachal Pradesh. *Indian Phytopathology* **57** (2): 200-204.
- Dohroo NP and Sharma SK. 1992. Variability in pathogenicity and cultural characteristics of *Fusarium oxysporum* f. sp. *zingiberi* Trujillo the incitant of ginger yellows. *Indian Phytopathology* **45**: 247-248.
- Verma VD, Sharma SK, Pradheep, K and Rana JC. 2006. Spotting resistance sources against shot hole a fungal disease in peach germplasm. *Indian Journal of Plant Genetic Resources* **18** (2): 252-254.

Books

- Gupta VK and Sharma SK. 2000. *Diseases of Fruit Crops*, Kalyani Publishers, Ludhiana, p344.
- Kishore DK, Sharma SK, Pramanick KK. 2006. *Temperate Horticulture Current Scenario*, New India Publishing Agency, New Delhi, p529.
- Gupta VK and Sharma SK. 2008. *Diseases of Fruit Crops*, Kalyani Publishers, Ludhiana, p290. (Revised edition)
- Gupta, VK, Paul, YS and Sharma, SK. 2013. *Fungi and Plant Diseases*, Kalyani Publishers, Ludhiana, p359.
- Gupta, VK and Sharma, SK. 2017. *Diseases of Fruit Crops*, Kalyani Publishers, Ludhiana, p312. (Revised edition)
- Sharma SK and Gautam HR. 2018. *Alternative Approaches in Plant Disease Management*, Neoti Book Agency Pvt. Ltd. (Publishers and Distributors), p551.

Awards & Recognitions

- Excellence in Service Award by Dr YS Parmar University of Horticulture and Forestry, Nauni, on its 34th Foundation Day
- New Zealand Fellowship Bursery Award from 8th ICPP-2003- Christchurch for attending the international courses, conferences etc.
- Fellowship for training on ISTA-PDC Seed Health Testing Workshop w.e.f. 10-13th Feb. 2003 at Lincoln University Christchurch, New Zealand
- Appreciation by Dr. V. L. Chopra, Former Director General -ICAR for doing outstanding work that is scientifically very relevant and societally urgently needed.