

Dr Shalini Verma

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Specialization: Fruit Pathology, Fungal Plant Pathology, Fungicides
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Ongoing Research Projects

- Development of Package of Practices for High Density Plantations for the control of pome and stone fruit diseases, Plant Protection (Plant Pathology) funded by World Bank Project- Himachal Pradesh Horticulture Development Project
- Validation of Prediction System for Apple Foliar Diseases Based on Virtual Weather Stations funded by Bayer Crop Science Ltd.
- Evaluation of fungicidal activity of phosphoric acid against white rot (*Dematophora necatrix*) and collar rot (*Phytophthora cactorum*) of apple funded by Govt. of HP.

Important Research Publications

- Kumar N, **Verma S** and Kardam VK. 2023. Evaluation of biocontrol agents, botanicals and fungicides against white root rot of apple caused by *D. necatrix* under pot conditions. *Journal of Mycopathological Research* 61(1): 75-79.
- **Verma S**, Sharma D, Gautam HR and Chauhan A. 2022. Application timings of antagonists against *Dematophora necatrix* Hartig – the incitant of white root rot of apple. *Plant Disease Research* 37(2): 83-92.
- **Verma S**, Thakur A and Gautam HR. 2022. Effect of botanicals against dieback and gummosis (*Botryodiplodia theobromae* Pat) of mango. *International Journal of Farm Sciences* 12 (1): 155-157.
- **Verma S**, Gautam HR and Khosla K. 2022. Apple scab (*Venturia inaequalis* Wint) management using a novel fungicide combination in the north-western Himalayas of India. *International Journal of Economic Plants* 9 (1): 11-17.
- **Verma S**, Thakur A and Gautam HR. 2021. Evaluation of fungicides against *Botryodiplodia theobromae* - the incitant of mango dieback and gummosis. *Plant Disease Research* 36(2):129-135.
- **Verma S**, Gautam HR, Kumar S, Thakur A and Dhaulta, T. 2021. *Phyllactinia actinidiae* (jacz.) *bunkina* causes powdery mildew on kiwifruit in India. *International Journal of Economic Plants* 8(1): 6-9.
- Pal J, Sharma SK, Devi S, Sharma R, Raj H, Karn M, **Verma S**, Vedukola PR and Sharma A. 2020. Screening, identification, and colonization of fungal root endophytes against *Dematophora necatrix*: a ubiquitous pathogen of fruit trees. *Egyptian Journal of Biological Pest Control* 30 (112): 2-14.
- **Verma S** and Khosla, Kishore. 2018. Chemical management of Marssonina leaf blotch and Alternaria leaf spot diseases of apple in Himachal Pradesh. *International Journal of Chemical Studies* 6: 3316-3319.
- Sharma NC, Sharma SD, **Verma Shalini** and Sharma CL. 2014. Impact of changing climate on apple production in Kotkhai area of Shimla district, Himachal Pradesh. *International Journal of Farm Sciences* 3: 81-90.
- **Verma S**, Shyam KR, Gupta SK and Sharma HR. 2001. Evaluation of bell pepper (*Capsicum annuum*) germplasm for resistance against leaf blight and fruit rot (*Phytophthora nicotianae* var. *nicotianae*). *Indian Journal of Agricultural Sciences* 71(3): 219-221.

Awards & Recognitions

- Best Poster Presentation for the research paper titled “Validation of prediction system for apple foliar diseases based on virtual weather stations and actual observations under field conditions.” by Shalini Verma, HR Gautam, Usha Sharma, Kishor Sharma, Ajay Bragta and Deepika Sharma in National Symposium on “Confluencing Indigenous and Modern Strategies for Plant Health Management” organized by Himalayan Phytopathological Society, Department of Plant Pathology, Dr. YS Parmar University of Horticulture and Forestry, Nauni w.e.f. May 26-27, 2023.
- Best Teacher Award from Agri Meet Foundation for the year 2021.
- Best Oral Presentation Award for the research paper titled “Bioefficacy of trifloxystrobin 3.5% + propineb 61.3% WG against the apple scab incited by *Venturia inaequalis*” by Shalini Verma, HR Gautam, Kishore Khosla, DP Bhandari, Usha Sharma and Sunil Kumar in International e-Conference on “Postharvest Disease Management and Value Addition of Horticultural Crops” organised by the ICAR-IARI, New Delhi w.e.f. August 18-20, 2021.
- Best Poster Presentation for the research paper titled “New generation fungicides to combat apple diseases in Himachal Pradesh.” by Shalini Verma, HR Gautam, Kishore Khosla, Usha Sharma, Bhupesh Gupta and DP Bhandari in National e-Symposium on “Plant Health Management Beyond 2020” organized by Himalayan Phytopathological Society, Department of Plant Pathology, Dr. YS Parmar University of Horticulture and Forestry, Nauni (Solan) HP w.e.f. May 5-6, 2021.
- Best Poster Presentation for the research paper titled “*In vitro* evaluation of some plant species extracts and fungicides against *Botryodiplodia theobromae* (Pat.) Griffon and Maube the pathogen of mango die back and gummosis” by Shalini Verma, Ankita Thakur and HR Gautam in Indian Phytopathological Society’s 7th International Conference on “Phytopathology in Achieving UN Sustainable Development Goals” w.e.f. January 16-20, 2020 at New Delhi.
- Best Poster Presentation for the research paper titled “Population dynamics of VAM fungi and its effect on wilt of pea caused by *Fusarium oxysporum* f.sp. *pisi*.”) by Shalini Verma and NP Dohroo in Indian Phytopathological Society (NZ) Annual Meeting & Symposium on “Challenging Problems in Horticultural and Forest Pathology” held on November 14 – 15, 2003 at Dr YSPUHF, Nauni, Solan (HP).