

Dr Shalini Verma

Senior Scientist

Specialization: Fruit Pathology, Mycology and Plant Pathology

Contact No.: +911792-252140(O)

Cell: 09816250009(M)

Email: shalinimpp@uhf.ac.in



Important Research Publications

- Sharma A, **Verma S**, Sharma SK., Kumar R., Verma P, Sharma R, Chauhan A and Chauhan N., 2026. *In Vitro* evaluation of botanicals and bioformulations against *Fusarium solani* causing apple root rot. *Journal of Experimental Agriculture International*, 48(2), pp.602-618.
- Chauhan A, **Verma S**, Sharma SK and Sharma A. 2026. Present status and frequency of white root rot of apple caused by *Dematophora necatrix* R. Hartig in Himachal Pradesh. *Plant Disease Research*, 39(2): 53-58.
- Aravinthkumar A, Raj H, Kumar P, Sharma PL, **Verma S**, Sheela J, Parwan S, Shankar SV, Ananthakrishnan S, Chauhan A and Sharma N. 2025. Comparative efficacy of GRAS chemicals, botanicals and yeast in controlling green mould and fruit nutritional quality enhancement in Kinnow mandarin (*Citrus nobilis* Lour x *Citrus deliciosa* Tenora). *Scientia Horticulturae*, 339: 113869.
- **Verma S**, Sharma A, Thakur A and Thakur M. 2025. Identification, pathogenicity and management of *Lasiodiplodia theobromae* associated with dieback and gummosis of mango in Himachal Pradesh, India. *Archives of Phytopathology and Plant Protection*, 58(6) 318-338.
- Thakur A, Sharma SK, **Verma S**, Sharma A, Singh N and Thakur D. 2025. Impact of resistance inducers and chemicals on biochemical parameters in pomegranate seedlings against bacterial blight (*Xanthomonas citri* pv. *punicae*). *Plant Archives*, 25(1): 1723-1733.
- Sharma R, Sharma A, Mishra N , Sankhyan N, **Verma S**, Negi HS, Kumari M and Pathania R. 2024. Biological approaches for the management of replant disease: a mini review. *Agriculture Association of Textile Chemical and Critical Reviews Journal*, 12(2): 210-217.
- Sharma A, Gupta B, **Verma S**, Pal J, Mukesh, Akanksha and Chauhan P. 2023. Unveiling the biocontrol potential of *Trichoderma*. *European Journal of Plant Pathology*, 167(4):569-591.
- 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 K. 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 S** 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 Paper Presentation for research paper entitled “Endophytic probiotics: advancing sustainable horticulture for enhanced productivity and stress resilience” by Sharma A, Kumari S and S Verma in National Conference on “Indigenous knowledge system for sustainable future - A roadmap to Viksit Bharat@2047” held at College of Horticulture & Forestry, Dr. YS Parmar University of Horticulture and Forestry, Thunag, Mandi (HP) w.e.f. February 13-14, 2025.
- 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 “Confluenting 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 AgriMeet 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).
- Certificate of Honour in Ph.D. from Dr. YS Parmar University of Horticulture and Forestry, Nauni (Solan) HP.