

Dr Manica Tomar

Senior Plant Pathologist

Specialization: Mycology and Plant Pathology, Fruit, Ornamental and Forest Pathology

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Ongoing Research Projects

1. Coordination, implementation, establishment and monitoring of Bayer Learning centre in Dr Y.S. Parmar University under catalytic partnership programme- **Nodal Officer**.
2. Incubation centre for facilitating school to work transition in agriculture sector by Govt. Of H.P- **Coordinator**

Important Research Publications

- Sharma S., **Tomar M.** et al. 2025. Characterization of *Pantoea agglomerans* associated with shot hole, canker and gummosis in peaches and plums from the Northwestern Himalayan region of India. *Crop Protection* (Elsevier). doi: 10.1016/j.cropro.2025.107143 [NAAS: 8.50]
- Sharma S., **Tomar M.** et al. 2026. First report of bacterial canker and gummosis of plum caused by *Staphylococcus warneri* in the Indian Himalayan region. *Australasian Plant Pathology* (Springer). doi: 10.1007/s13313-026-01089-y [NAAS: 7.45]
- Gupta R., Verma S., Kumar S., **Tomar M.** 2026. and Chauhan A. Biocontrol and plant growth-promoting potential of rhizobacteria from kiwifruit (*Actinidia deliciosa*): characterization of *Enterobacter hormaechei* KER7 and *Pseudomonas aeruginosa* KER19. [Accepted] *Indian Phytopathology*. [NAAS: 5.97]
- **Tomar M.**, Rana A, Sharma D, Chauhan A and Singh G. 2026. Biological control of Fusarium wilt of strawberry through PGPR and fungal bioagents. *Journal of Applied Fruit Science*. [NAAS: 7.80]
- Tomar M.**, Chauhan A, Jandaik S. and Thakur, M 2021. Potential of Consortium of Native Microbiota Against Damping-off of *Cedrus deodara* Seedlings in North-Western Himalayan Region of India. *Plant Pathology Journal* **21** (1):24-32 [NAAS: 8.50]
- **Tomar M** and Thakur R. 2020. First report of binucleate *Rhizoctonia* AG-E causing root rot of *Cedrus deodara* (Roxb.) G. Don in India. *Indian Phytopathology* **73** 4:813-815 [NAAS: 5.97]
- Sharma V, Thakur M, **Tomar M.** 2020. *In vitro* selection of gamma irradiated shoots of ginger (*Zingiber officinale* Rosc.) against *Fusarium oxysporum* f. sp. *zingiberi* and molecular analysis of the resistant plants. *Plant Cell, Tissue and Organ Culture (PCTOC)* **143** (2): 319-330 [NAAS: 8.50]
- Katwal VS, Handa Anil, Thakur PD, **Tomar M.** 2016. Prevalence and Serological Detection of Apple Viruses in Himachal Pradesh. *Plant Pathology Journal* **10**:345-347 [NAAS: 8.50]
- Santosh W, Raigond B., Thakur PD, Handa A, Pramanick KK, Sharma YP and **Tomar M.** 2012. Molecular Detection of Latent *Apple chlorotic leaf spot virus* in Elite Mother Plants of Apple. *Indian Journal of Virology*. Dec **23**(3): 359-363. [NAAS: 5.83]
- Dhir S, **Tomar M.**, 2009. Thakur PD, Ram R, Hallan V and Zaidi AA. Molecular evidence for *Apple stems pitting virus* infection in India. *Plant Pathology* **5**: 234-235 [NAAS: 8.90]
- Dhir S, **Tomar M.**, 2009. Thakur PD, Ram R, Hallan V, Zaidi AA. Apple stem pitting virus diagnosis on apple in India. *Indian Journal of Virology* **20** (1), 45-45 [NAAS: 5.83]
- **Tomar M.**, Sharma R C, Chandel S. 2008. Percolative ability of fungicides and their evaluation against Fusarium root of *Acacia catechu*. *Indian Journal of Agriculture Sciences* **78**:604-608 [NAAS: 6.50]
- Chandel S and **Tomar M.** 2008. Effectiveness of biocontrol agents and neem formulations against Fusarium wilt of carnation. *Indian Phytopathology* **61**(2): 152-154. [NAAS: 5.83]

Books and Manuals

Sunita Chandel, Manica Tomar and I. M. Sharma (2016). Practical manual of Forest Pathology by . Directorate of Extension Education, YSPUHF, Nauli Solan H.P.

Tomar M., Jandaik S. and Chandel S. (2025). *Unlocking Plant Pathology: Targeted Prep for ICAR-JRF/SRF/ARS and Agri Allied Tests* (Vol. 1). NIPA Book Publishers. ISBN: 978-93-58878-50-9

Chandel S., Gupta D. and Tomar M. (Eds.) (2024). *Progressive Plant Pathology* (315 pp.). Elite Publishing House, New Delhi. ISBN: 978-93-58993-47-9

Awards & Recognitions

- University Merit Fellowship in B.Sc, M.Sc
 - Visiting Fellow at the University of Toronto, Canada, where she acquired advanced training in Next Generation Sequencing (NGS) and Metabolomics
 - Uma Dutt Mamgain Best thesis award for my M.Sc student Ms Rajneesh Thakur for the year 2021
 - Appointed as an expert in the statutory committee formed by H.E The Governor of H.P. to develop a mobile application “Himudayan” to facilitate the farmers of Himachal Pradesh in June 2018
 - Appointed Nodal officer of “Mera Gaon Mera Gaurav”, a prestigious scheme of GOI
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