

Dr Aditi Sharma

Assistant Professor

Specialization: Biological control, Bacteriology, Fruit Pathology

Cell: 9459861087

E.mail: aditi.bhardwaj650@gmail.com



Ongoing Research Projects

- Surveillance and point of care detection of pathogens in major apple grown areas of Himachal Pradesh, submitted in Department of Environment, Science & Technology, Shimla HP for ₹ 10 lakh from (Principal Investigator).
- Seasonal incidence of major apple pathogens in Seraj Valley, Departmental Project (Principal Investigator).
- Seasonal incidence of major pathogens on vegetable crops grown in Seraj Valley, Departmental Project (Principal Investigator).

Important Research Publications

- Gupta AK, Sharma A, Singh D, Chandel S, Sharma RC, Mahajan R and Gupta A. 2015. Occurrence of crown gall caused by *Agrobacterium tumefaciens* on rose. Indian Phytopathology 68(2): 229-30
- Sharma A, Gupta AK, Singh D, Khosla K and Mahajan R. 2016. Biological control of crown gall disease in peach nursery plants by white stone powder based formulation (Sol Gall) of *Brevibacillus* spp. Indian Phytopathology 69(3): 231-36
- Singh R, Sharma A and Gupta AK. 2017. Rhizosphere competence of native *Rhizobium rhizogenes* strain and its use in management of crown gall. Journal of Applied and Natural Science 9 (3): 1772 -81
- Sharma A, Gupta AK, Mahajan R, Bharti and Mahajan PK. 2017. Antagonistic potential of native agrocin producing non-pathogenic *Agrobacterium tumefaciens* strain UHFBA-218 in control of crown gall on peach. Phytprotection 97: 1-11
- Sharma A and Gupta AK. 2017. New insights in the biological control of crown gall through native *Agrobacterium radiobacter* strain UHFBA-218. Plant Disease Research. 32(2): 137-52
- Sharma A, Gupta AK and Mahajan R. 2018. Optimization and standardization of conditions for production of commercially viable formulation of native *Agrobacterium* sp. UHFBA-218. National Academy Science Letters
- Sharma Aditi, Gupta A. K. 2023. Frequency of Conjugal Transfer of Genes between Non-pathogenic and Pathogenic *Agrobacteria*. National Academy

Science Letters. doi.org/10.1007/s40009-023-01255-6.

- Sharma A, Gupta A K and Devi B. 2023. Current trends in management of bacterial pathogens infecting plants. Antonie van Leeuwenhoek.

Awards & Recognitions

- Received Young Plant Pathologist- 2019 Award by Agro Environmental Development Society.
- Certificate of Honour for poster presentation 2018 by Indian Phytopathological Society (NZ).
- Received Best Ph.D Thesis Award 2017 by Indian Society of Plant Pathologist (INSOPP), PAU Ludhiana.
- Received Uma Datt Mangain Best Research Award by Society for Advancement of Human and Nature in 2017.
- Received poster presentation award- 2015 by Indian Phytopathological Society (NZ).
- First position in oral presentation in Prof. M. J. Narasimhan Academic Merit Award (NZ) -2015 conferred by Indian Phytopathological Society (NZ).
- Received certificate of honour for oral presentation- 2014 by Phytopathological Club, UHF-Nauni, Solan.