

Dr Bhupesh Kumar Gupta

Sr Scientist



Specialization: Fruit Pathology, Vegetable Pathology

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Ongoing Research Project:

- Himachal Pradesh Horticulture Development Project (HPHDP)- Pest Surveillance and Forecasting and forewarning system funded by World Bank for ₹ 303.73 lakhs from July 2016 to June 2024 (Principal Investigator).
- Biotechnological interventions to develop basal rot resistant germplasm of garlic for cultivation in hilly regions funded by 'Department of Environment, Science & Technology', Shimla HP for ₹ 5.87 lakhs from April 2022 to March 2024 (Co-PI).
- Evaluation of new and brand name fungicides / formulations against plant diseases funded by fungicide companies for ₹ 84.20 lakhs (2022-2023) from January 1985 to long term (Co-PI).
- Upgrading biocontrol unit for scaling up talc-based mass culture production capacity funded by Govt. of Himachal Pradesh for ₹ 4.50 lakhs from May 2023 to May 2024 (Principal Investigator).

Important Research Publications

- Kumari N, Sharma U, Sharma S and **Gupta B**. 2022. Diversity and relative abundance of insect fauna of apple (*Malus domestica* Borkh) in high density plantation. *Journal Entomology Research* **46** (1) : 158-162 DOI : 10.5958/0974-4576.2022.00028.7
- Sharma U, Watpade S, **Gupta B**, Raigond B, Kumari N, Bhardwaj P, Handa A and Gupta P. 2020. Economic losses due to infection by apple scar skin viroid in Himachal Pradesh, India. *VirusDisease* **31**(4):490-496
- Verma C, **Gupta BK**, Singh A, Kujur A, Sahu R and Prajapati P. 2020. Biological control agents in the management of Bell pepper nursery diseases: A review. *Journal of Pharmacognosy and Phytochemistry* **9**(5): 462-468
- Verma C, Jandaik S, **Gupta BK**, Kashyap N, Suryaprakash VS, Kashyap S and Kerketta A. 2020. Microbial metabolites in plant disease management: Review on biological approach. *International Journal of Chemical Studies* **8**(4): 2570-2581
- Bhandari DP, Sharma JN and **Gupta B**. 2020. Management of apple powdery mildew (*Podosphaera leucotricha* (Ell. And Ev.) Salm) in dry temperate region of Himachal Pradesh. *Journal of Mycology and Plant Pathology* **50**(4):441-444.
- Joshi AK, Brahmi MK, **Gupta BK**, Kumar P, Thakur P and Chauhan VK. 2019. Apriori to agricultural problems emerged through participatory and rural appraisal in temperate zone of Himalayas. *Indian Journal of Agricultural Sciences* **89**(2):220-230.
- **Gupta B**, Sharma U and Verma S. 2018. Refinement of Technology for the management of collar rot in apple. *International Journal of Current Microbiology and Applied Sciences* **7**(6): 1551-1556. doi:10.20546/ijcmas.2018.706.185.

- Bhandari DP, Sharma JN, Thakur VS, Sharma SK, Sharma SK, **Gupta B** and Sharma R. 2018. Prevalence, epidemiology and management of apple scab (*venturiinaequalis*) in dry temperate region of Kinnaur, Himachal Pradesh. *J. Journal of Mycology and Plant Pathology* **48** (1): 57-64.
- Kaur L, **Gupta B**, Sharma IM and Joshi AK. 2018. Ecofriendly management of powdery mildew of mango through biocontrol agents. *International Journal of Current Microbiology and Applied Sciences* **7**(10): 392-39.
- Bhardwaj LN and Kumar B. 2002. Management of collar rot of apple with biocontrol agents and fungicides. *Journal of Mycology and Plant Pathology* **32**(3):410.

Awards and Recognitions:

- Best Poster award was conferred upon AK Joshi, Kumar P, **Gupta B** and Thakur P for poster entitled "Meadow orchard geometry for ameliorating guava productivity in Shivalik foothills" during Session No. IV on 17/11/2016 during 7th Indian Horticultural Congress 2016, An international meet Doubling Farmers Income through Horticulture at BP Pal Auditorium, IARI, PUSA, New Delhi, November 15-18, 2016.