

## Dr Arti Shukla

Senior Scientist

Specialization: Vegetable Pathology

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### Ongoing Research/Extension Projects

- Pest surveillance and Forecasting and forewarning system under HDP for ₹ 303.73 lakh from August 2016 to June 2023 (Co-PI).
- Project on Empowerment of Rural Youth and Retaining in High value Agri-Entrepreneurship in Solan District of Himachal Pradesh , funded by ICAR- ATARI, Ludhiana for ₹ 22 lakh from 2018 till date (Co- PI)
- Outscaling of natural farming through KVKs funded by ICAR for ₹ 10.68 lakh from 2022 to 2025(Co-PI).

### Important Research Publications

- Shukla A and Gupta SK. 2004. Management of bacterial spot (*Xanthomonas campestris* pv. *vesicatoria*) through chemicals. *Journal of Mycology and Plant Pathology* **34**(1): 88-90.
- Sharma VP and Shukla A. 2004. Efficacy of plant products against mushroom nematodes. *Journal of Mycology and Plant Pathology* **34**(2): 357-358.
- Shukla A and Gupta SK. 2005. Integrated approach to management of tomato bacterial spot (*Xanthomonas vesicatoria*). *J. Mycol. Pl. Pathology* **35**(2): 317-319.
- Shukla A and Gupta SK. 2005. Role of epidemiological factors on the development of bacterial spot (*Xanthomonas vesicatoria*) of tomato. *Indian Phytopathology* **58**(3): 319-322.
- Gawande SJ, Shukla A, Chimote VP, Kaushal N, Kaundal P, Garg ID and Chimote KP. 2011. Development of PCR based techniques for the detection of immobilized Potato virus Y virions. *Journal of Plant Pathology* **93**(1):127-132.
- Prashad D, Gupta SK and Shukla A. 2011. Management of bacterial spot of bell pepper (*Capsicum annuum*) through chemicals and antibiotic. *Indian Phytopathology* **64**(2): 204-205.
- Kardam VK, Shukla A, Sharma DP and Kumar N. 2021. Screening of germplasm of peach and nectarines against *Taphrina deformans*. *Indian Phytopathology* **74**: 831-833.
- Lehrwan M, Gupta M, Chauhan A, Shukla A and Kumar U. 2021. Characterization of *Protomyces macrospores* Unger causing stem gall of coriander (*Coriandrum sativum*). *Indian Journal of Agricultural Sciences* **91**(11): 1561–1565.
- Shukla A, Sharma D, Sharma M, Tarafdar A and Gupta M. 2022. First report of *Fusarium equiseti* causing crown and root rot of cucumber in India. *Journal of Plant Pathology* **104**:875.

- Sharma A, Shukla A and Gupta M. 2023. Effect of bioagents on cucumber seed mycoflora, seed germination and seedling vigour. *Scientific Reports* **13**: 6052-6055.

### **Awards & Recognitions**

- Received Best Extension Scientist Award during 3<sup>rd</sup> National Conference of Society of Krishi Vigyan organized at Ujjain w.e.f. October 17-19, 2022.