

Dr. Himani Sharma

Assistant Professor

Specialization: Plant Biotechnology and Molecular biology

Contact No: 9418335484 (M)

Email: sharmahimani8@gmail.com



Research Publications

- **Sharma H**, Sharma P and Sharma R. 2016.Evaluation of genetic relatedness among temperate pome fruit crops of family rosaceae using arbitrary oligonucleotide markers. Pro. Natl. Acad. Sci. India, Sect.B biol. Sci. 88(1):191-198. (NAAS- 6.80)
- **Sharma H**, Sharma A, Sharma S, Devi A and Shirkot P. 2017. *Insilico* analysis to identify synteny in bacterial signatures of iron nanoparticles synthesizing bacteria contributing to big data. Int.J. Curr.Microbiol. App.Sci. 6(9): 356-367. (NAAS- 5.38)
- **Sharma H**, Dhirta B and Shirkot P. 2017. Evaluation of biogenic iron nano formulations to control *Meloidogyne incognita* in okra. Int. J Chem. Stud. 5(5): 1278-1284. (NAAS- 5.31)
- Raghuvanshi P, Sharma A, **Sharma H**, Sharma S, Devi A, Shirkot P and Chauhan A. 2017. Biosynthesis and characterization of gold nanoparticles from plant growth promoting rhizobacteria. Int. J Chem. Stud. 5(5): 525-532. (NAAS- 5.31)
- Devi A, Sharma A, **Sharma H**, Sharma S, Raghuvanshi P and Shirkot P. 2017.In vitro biosynthesis and characterization of biosilver nanoparticles of *Pseudomonas putida* LUA 15 and their potential as antibacterial agents. Int. J Chem. Stud. 5(4): 1817-1824. (NAAS- 5.31)
- Sharma N, **Sharma H**, Khatri P and Shirkot P. 2018. Biosynthesis characterization and antibacterial activity of bioiron nanoparticles synthesized by *Pseudomonas putida* strain LUA15.1. Int. J Chem. Stud. 6(1): 691-699. (NAAS- 5.31)
- Thakur P, Kashyap P, **Sharma H** and Shirkot P. 2018. *In- vitro* effect of bacterial culture of *Bacillus cereus* MSS 2.8 and bioiron nanoparticles synthesis by *Bacillus cereus* MSS 2.8 on decolorization of textile dyes. Int. J Chem. Stud. 6(5): 3450-3454. (NAAS- 5.31)
- **Sharma H**, Sharma P and Sharma R. 2021.Transferability of Apple and Pear SSRS to other temperate pome fruit crops of family *Rosaceae*. Genetika 53(1):195-208. (NAAS- 6.76)
- Sundaresha S, Sharma N and **Sharma H**. 2023. CRISPR/ Cas 9 mediated editing of phytoene desaturase (PDS) gene in an important staple crop, potato. 3 *Biotech*. 13:129. (NAAS- 8.89)

- Chauhan S, Rana K, Ghabru A, Sharma D, **Sharma H** and Rana N (2024) Effect of *Bauhinia variegata* L. and *Glycyrrhiza glabra* L. extracts on immunocompromised male wistar rats. *Annals of Phytomedicine- An International Journal* 13(1): 1-8. (NAAS- 8.70)
- **Sharma H**, Chaudhary R, Poonam, kalia M, Thakur M, Nautiyal S, Rawat A and Kalia S (2024) A sustainable agriculture method using biofertilizers: An eco-friendly approach. *Plant Science Today* 11(3):347-359. (NAAS-6.90).
- **Sharma H**, Thakur A, Ghabru A, Chauhan S, Poonam, Kumari B and Sharma P (2024). Reduction of anti-nutrient factors and study of in vitro protein digestibility, fractionation, SDS- PAGE analysis and thin layer chromatography of wild apricot kernel press cake protein isolate. *International Journal of Advanced Biochemistry Research*. (NAAS-5.29)

Awards/ Recognitions:

- **Certificate of Honour** – B. Sc. Biotechnology
- **Certificate of Merit** – M. Sc. Molecular biology and biotechnology
- **Certificate of Merit** – Ph. D. Molecular biology and biotechnology
- Awarded **University Merit Scholarship** during M. Sc. Degree programme.
- Awarded **University Merit Scholarship** during Ph. D. programme.
- Awarded 3rd prize in poster presentation in **GPC (Global potato conclave) 2020** entitled “**CRISPR editing of Potato Phytoene Desaturase (PDS) gene as a proof of concept for genome editing in Potato**”
- Life member of association of Biotechnology of Himachal Pradesh (ABHI)
- Life member of Society for advancement of Human and Nature