

DR. NUSRAT AHMAD

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Academic qualification

Examination	Board/University	Year	Division
Ph.D.* Botany	University of Kashmir	2022	Awarded
NET (Agric. Biotechnology)	ICAR	2018	Qualified
NET (Life Science)	CSIR	DEC. 2017	Qualified
NET (Life Science)	CSIR	JUNE 2017	Qualified
NET (Life Science)	CSIR	2015	Qualified
B. Ed	University of Kashmir	2015	1 st
M. Sc. Botany	University of Kashmir	2014	1 st
B.Sc.	University of Kashmir	2011	2 nd
12 th	JKBOSE	2008	2 nd
10 th	JKBOSE	2005	1 st

* **Title of Ph.D. thesis:** “Studies on Soil fungi associated with some important medicinal plants of Kashmir Valley” under the Co-Supervision of **Dr. Mohd. Yaqub Bhat** and **Prof. Abdul Hamid Wani**, Dept. of Botany, University of Kashmir, India.

Areas of expertise

- Plant Pathology
- Mycology
- Fungal Diversity
- Fungal Ecology
- Molecular Mycology

Teaching experience

- Working as Contractual Lecturer in Botany at HKM GDC Bandipora from April 19, 2023 to till date.

Publications/ Research articles

1. **Ahmad N**, Bhat, MY and Wani, AH. (2021). Assessment of Rhizosphere Mycobiome Associated with Medicinal Plant *Artemisia absinthium* L. Growing in Kashmir Himalayas. *Journal of Mycology and Plant Pathology*, 51(2): 107-117
2. **Ahmad N**, Bhat, MY, Wani, AH and Peer LA (2021). Rhizosphere Mycobiome Diversity of Medicinal Plants: A Review. *The Journal of Plant Science Research*, 37: 175-187
3. **Ahmad N**, Taile, MD, Majeed M (2021). Efficacy of some botanicals against the fungal rot of *Prunus amygdalinus* Batsch in Kashmir Valley. *International Journal of Botany Studies*, 6 (5): 374-377
4. Anees Un Nisa, **Ahmad N**, Wani AH, Bhat MY and Sharma S. (2022). Bioactivity of *Trichoderma harzianum* Rifai Isolates against Dry Rot of Potato. *Biopesticides International*, 18(1): 1-6
5. Malik, MA, **Ahmad N**, Jan N, Bhat MY, Wani, AH and JAN M. (2022). Rhizospheric soil mycoflora associated with *Digitalis purpurea* L. and *Swertia petiolata* D. Don, medicinal plants growing in Kashmir Himalaya. *Journal of Mycopathological Research*, 60(3): 321-334
6. Taile, MD, Wani AH, **Ahmad N**, Bhat MY, War JM. (2020). Green synthesis of silver nanoparticles (AgNPs) using *Helvella leucopus* pers. and their antimycotic activity against fungi causing fungal rot of apple. *Asian Journal of Pharmaceutical and Clinical Research*, 13(4): 161-165
7. Malik, LA, Bashir A, **Ahmad N**, Qureashi A, Pandith AH. (2020). Exploring Metal Ion Adsorption and Antifungal Properties of Carbon- Coated Magnetite Composite. *ChemistrySelect*, 5:1-10
8. Peer, L. A., Bhat, M. Y., **Ahmad, N.**, & Mir, B. A. (2021). Floral induction pathways: Decision making and determination in plants to flower-A comprehensive review. *Journal of Applied Biology and Biotechnology*, 9(2), 7-17.
9. Malik, MA., Talie, M.D., & **Ahmad, N.** Fungal diseases of medicinal plants in fields as well as under storage-a review.
10. Malik, M. A., Bhat, M. Y., Wani, A. H., **Ahmad, N.**, & Peer, L. A. Biodiversity of fungi associated with rhizosphere of medicinally important plant, *Swartia*

petiolata D. Don. growing in Kashmir. . ***International Journal of Botany Studies***, 7 (1): 317-321

11. Peer, L. A., Dar, Z. A., Lone, A. A., Bhat, M. Y., & **Ahamad, N.** (2020). High temperature triggered plant responses from whole plant to cellular level. *Plant Physiology Reports*, 25, 611-626.
12. Koka, J. A., Wani, A. H., Bhat, M. Y., Parveen, S., Fazili, M. A., & **Ahmad, N.** (2019). Antifungal activity of selected plant extracts against *Trichothecium roseum* (Pers.) Link (1809) (Sordariomycetes: Hypocreales), causal organism of fungal rot of *Solanum melongena* L. (Solanales: Solanaceae) in Kashmir, India. ***Brazilian Journal of Biological Sciences***, 6(12), 123-132.