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Research experience: Four Years

Publication:

Papers Published: 03

Book chapter: 04

Communicated: 03

Research Papers

1. Anjum, N., Ridwan, Q., **Akhter, F.**, & Hanief, M. (2023). Phytochemistry and therapeutic potential of *Berberis lycium* Royle; an endangered species of Himalayan region. *Acta Ecologica Sinica*, 43(4), 577-584. (SCIE indexed)
2. Wani, Z. A., **Akhter, F.**, Ridwan, Q., Rawat, Y. S., Ahmad, Z., & Pant, S. (2023). A Bibliometric Analysis of Studies on Plant Endemism during the Period of 1991–2022. *Journal of Zoological and Botanical Gardens*, 4(4), 692-710. **IF: 2.1**
3. Anjum, N., Ridwan, Q., **Akhter, F.**, & Hanief, M. (2023). Predicting current and future distribution pattern of *Berberis lycium* Royle concerning climate change using an ensemble modelling approach. *Geology, Ecology, and Landscapes*, 1-10.

Book Chapters

4. Ridwan, Q., Anjum, N., Rashid, S., **Akhter, F.**, & Hanief, M. (2022). Plant-Microbe Interactions in Agro-Ecological Perspectives And Degradation of Pesticides. In *Bioremediation and Phytoremediation Technologies in Sustainable Soil Management* (pp. 129-158). Apple Academic Press.
5. Anjum, N., Ridwan, Q., Rashid, S., **Akhter, F.**, & Hanief, M. (2022). Microbial degradation of organophosphorus pesticides. In *Bioremediation and Phytoremediation Technologies in Sustainable Soil Management* (pp. 159-185). Apple Academic Press.
6. Akhter et al. (2022). Role of nanoparticles and plant extracts in microbial infections.

Papers Under Review/ Communicated:

1. Singh, A., Bhat, M. A., Akhter, R., Supolia, D., **Fareeda, A.**, Irshad, M., Bhat, M. N., Kumar, A., Pathania, D., and Bhau, B. S (2024). Morphological and Anatomical study of grasses *Triticum*

aestivum L. and Phalaris minor Retz. a quick tool for assessing the impact of road side pollution. *Bulletin of Environmental Contamination and Toxicology*. Manuscript Number: BECT-D-24-00907R1.

2. **Akhter et al. 2024** Recent advances on Selenium and Nanoselenium in modulating plants defense under abiotic stress. *Physiology and molecular biology of plants*. (communicated)
3. **Akhter et al. 2025** Carbon capture potential of high altitude treeline forming forests in Western Himalaya. (communicated).