

Dr. Mushtaq Ahmad



Dr. Mushtaq Ahmad
Ph.D. Botany
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Personal Details:
Permanent Address:
Kema Malangam, Bandipora,
Jammu and Kashmir, India
Date of Birth: 03-08-1990

Current position:

- Faculty for Botany at Govt Degree College Sumbal Sonawari.

Teaching experience:

- GDC Bandipora (UG courses) from September 2024 to July 2025.

Awards

- CSIR-UGC-JRF, 2017

Academic Qualifications:

Qualification	Subject	University/Board	Date
Ph.D.	Botany	Panjab University	2024
MSc	Botany	Jamia Hamdard	2014
BSc	Botany, Zoology, Chemistry, General English	University of Kashmir	2011
XII	Botany, Zoology, Chemistry, General English	JKBOSE	2008
X	Science, Math, Urdu, General English, Social Studies	JKBOSE	2006

Skills:

- Ecophysiology
- Invasion Biology
- Biochar technology
- Plant ecology
- Plant biodiversity
- Botany

Teaching:

- Plant physiology
- Cell Biology
- Molecular Biology
- Plant Biotechnology
- Ecology
- Genetics

Publications:

1. Dar, M. A., Ahmad, M., Singh, R., Kohli, R. K., Singh, H. P., & Batish, D. R. (2023). Invasive plants alter soil properties and nutrient dynamics: A case study of *Anthemis cotula* invasion in Kashmir Himalaya. *Catena*, 226, 107069.
2. Dar, Mushtaq Ahmad, Disket Zomba, Rishikesh Singh, Shalinder Kaur, and Daizy R. Batish. "Effect of Aboveground Aqueous Extracts of *Anthemis cotula* on the Growth and Development of Certain Important Crops." *Current Agriculture Research Journal* 11, no. 3 (2023).
3. Zomba, Disket, Mushtaq Ahmad Dar, Rishikesh Singh, Daizy R. Batish, and Shalinder Kaur. "Exploring the antimicrobial, antioxidant, and in vitro anti-inflammatory potential of *Oxytropis microphylla* (Pall.) DC. plant species of Ladakh region." *Discover Food* 5, no. 1 (2025): 1-14.
4. Zomba, Disket, Mushtaq Ahmad Dar, Rupali Jandrotia, Mansi Sharma, Rishikesh Singh, Shalinder Kaur, and Daizy R. Batish. "Nutritional composition and antioxidant capacity of *Urtica hyperborea*: A phytofood of Trans-Himalayan region of Ladakh, India." *Journal of Phytology* 15 (2023): 163-171.
5. Zomba, Disket, Mushtaq A. Dar, H. P. Singh, and Daizy R. Batish. "Antimicrobial activity of aqueous and methanolic extracts of *primula macrophylla*, a medicinal herb from Ladakh region." *Annals of Plant and Soil Research* 25, no. 3 (2023): 473-480.
6. Dar, Mushtaq Ahmad, Rigzin Chuskit, Rishikesh Singh, Shalinder Kaur, Sachchidanand Tripathi, and Daizy R. Batish. "Plant Invasion Dynamics in Mountain Ecosystems Under Changing Climate Scenario." In *Plant Invasions and Global Climate Change*, pp. 247-266. Singapore: Springer Nature Singapore, 2023.
7. Raina, Riya, Mushtaq Ahmad Dar, Rishikesh Singh, Daizy R. Batish, and Harminder Pal Singh. "Interlinkages Between Urban Metabolism and Sustainability: An Overview." *Urban Metabolism and Climate Change: Perspective for Sustainable Cities* (2023): 25-43.
8. Dar, Mushtaq Ahmad, Riya Raina, Rishikesh Singh, Shalinder Kaur, Harminder Pal Singh, and Daizy R. Batish. "Role of Sustainable Urban Metabolism in Urban Planning." In *Urban Metabolism and Climate Change: Perspective for Sustainable Cities*, pp. 151-169. Cham: Springer International Publishing, 2023.
9. Dar, Mushtaq Ahmad, Rishikesh Singh, Mustaqeem Ahmad, Shalinder Kaur, Harminder P. Singh, and Daizy R. Batish. "Socioeconomic and ecological sustainability of agroforestry in mountain regions." In *Understanding Soils of Mountainous Landscapes*, pp. 375-394. Elsevier, 2023.
10. Dar, Mushtaq Ahmad, Saleem Jahangir Dar, and Vijay Kumar. "Dimensional variation of wood components of *Ailanthus excelsa* Roxb. across the tree trunk and its ecological importance." (2022): 79-83.

Conferences Attended:

1. **Oral presentation: Mushtaq Ahmad.** Exploring the antimicrobial, antifungal and anti-oxidative potential of *Anthemis cotula*, an invasive alien weed of Kashmir valley, organized by Department of Botany, Eternal University, Baru Sahib, Sirmaur-173101
2. **Oral presentation: Mushtaq Ahmad.** Invasion of *Anthemis cotula* influences soil dynamics: A case study at the Kashmir Himalaya. An international conference on Recent Advances and Innovations in Biological and Applied Sciences at SGT University, Gurugram, Haryana, India
3. **Oral presentation: Mushtaq Ahmad.** Studies on the Dimensional Variation of Wood Components across the tree trunk of *Ailanthus excelsa* Roxb. And its ecological importance. International conference held in JNU, New Delhi 2020.
4. **Poster presentation: Mushtaq Ahmad.** Allelopathic Interference of above and below ground parts of *Anthemis cotula*, an Invasive alien weed of Kashmir Himalaya, in the 15th Chandigarh Science Congress organized from September 2022.
5. **Participation: Mushtaq Ahmad.** UGC-SAP sponsored national seminar on “medicinal PLANTS RESEARCH: RETROSPECT AND PROSPECT”at Hamdard University, India 2014.
6. **Participation: Mushtaq Ahmad.** UGC-SAP sponsored national seminar on “MEDICINAL PLANTS AND THEIR CHARACTERIZATION” at Hamdard University, India 2013.
7. **Participation: Mushtaq Ahmad.** The Orchid Society of India “Certificate of Appreciation” at Panjab University Chandigarh

