

Curriculum Vitae

Profile Summary

Dr. Bhupendra Singh is an Assistant Professor (Silviculture) in the Veer Chandra Singh Garhwali Uttarakhand University of Horticulture and Forestry, Ranichauri, Uttarakhand, India, and did his M.Sc. and PhD. degrees in Forestry at H.N.B. Garhwal University, Srinagar Garhwal. He has more than two decades of research experience in forest resource assessment, tree crop interactions, tree seed technology, vegetative propagation, and nutrient analysis of fodder trees in the Garhwal Himalaya. He has published more than 105 research papers in different peer-reviewed national and international scientific journals. He has published an edited book as lead editor from Springer titled Himalayan Agroforestry Systems: Challenges and Opportunity to Sustainable Development (ISBN 978-3-032-25095-7). He is serving as an editorial board member of the Discover Forests journal. He has worked as a Guest Editor in journals of Frontiers, and Trees, Forests and People, etc.

Designation : Assistant Professor (Silviculture)

Qualification : M. Sc. Forestry, NET, Ph. D,

Contact address: Department of Silviculture and Agroforestry, College of Forestry, Ranichauri, Tehri Garhwal, Uttarakhand, India

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Discipline : Forestry

Area of Specialization: Silviculture and Agroforestry

Research Interest : Tree-crop interaction in agro-ecosystem, Natural Resource Management, Nutrient analysis, Tree Seed Technology, Vegetative Propagation

Research Experience: 22 Years

Teaching Experience: 17 Years

Awards/ Honors/ Scholarship/Fellowship: Research Associate (CSIR, New Delhi)

M.Sc. students guided as advisor: 02

Total Number of Publications: 105

Selected best publication Last Five Year:

1. Shweta Rawat, Vinod Kumar Khanduri, **Bhupendra Singh**, Manoj Kumar Riyal, Tarun Kumar Thakur, Munesh Kumar and Marina MS cabral-Pinto (2022). Variation in carbon stock and soil properties in different *Quercus leucotrichophora* forests of Garhwal Himalaya. *Catena*, 213:106210. (IF=6.6)
2. Naveen Tariyal, Arvind Bijalwan, Sumit Chaudhary, **Bhupendra Singh**, Chatar Singh Dhanai, Sumit Tewari, Munesh Kumar, Sandeep Kumar, Marina M. S. Cabral Pinto and Tarun Kumar Thakur. 2022. Crop Production and Carbon Sequestration Potential of *Grewia oppositifolia*-Based Traditional Agroforestry Systems in Indian Himalayan Region. *Land*, 11, 839. <https://doi.org/10.3390/land11060839>. (IF=3.5)
3. Sourav Ranjan Satapathy, Vinod Prasad Khanduri, **Bhupendra Singh**, Manoj Kumar Riyal, Sandeep Kumar, Prabhat Kumar, Deepa Rawat 2022. Allelopathic potential of *Ficus auriculata* and *Ficus semicordata* on growth of four traditional food crops of Garhwal Himalaya. *Journal of Agriculture and Food Research*, 9, 100352. (IF=7.2).

4. **Bhupendra Singh**, Munesh Kumar, Marina M. S. Cabral-Pinto and Bhagwati Prasad Bhatt (2022) Seasonal and Altitudinal Variation in Chemical Composition of *Celtis australis* L. Tree Foliage. *Land*, 11 (12): 2271. (IF=3.5)
5. Kejum Padu, Vinod Prasad Khanduri, **Bhupendra Singh**, Deepa Rawat, Manoj Kumar Riyal, and Kewat Sanjay Kumar (2023). Phytotoxicity of common weeds on germination, seedling growth, NPK uptake and chlorophyll content of four hill crops of Garhwal Himalaya. *Journal of Agriculture and Food Research*, 12: 100539. (IF=7.2)
6. Priya Pradhan, Arun Sukumaran, Vinod Prasad Khanduri, **Bhupendra Singh**, Deepa Rawat, Manoj Kumar Riyal, Munesh Kumar and Marina M. S. Cabral Pinto (2024). Effect of Crown Layers on Reproductive Effort and Success in Andromonoecious *Aesculus indica* (Wall. ex Camb.) Hook (Sapindaceae) in a Temperate Forest of Garhwal Himalaya. *Plants*, 13: 183. <https://doi.org/10.3390/plants13020183>. (IF=4.7)
7. P. Uniyal, V.P. Khanduri, D. Rawat, S. Kumar, S., **Bhupendra Singh**, CS. Dhanai, T. Ahmad (2026). Assessment of carbon stocks and soil carbon pools in temperate oak forests of the Garhwal Himalaya, India. *Biomass and Bioenergy*, 211, 109100 (IF=7.0)
8. S. Shah, V.P. Khanduri, D. Rawat, Bhupendra Singh, M.K. Riyal, S.P. Sat (2026). Altitudinal gradient and anthropogenic disturbance alter soil quality index and biomass carbon in Banj Oak (*Quercus leucotrichophora*) forests of Garhwal Himalaya, India. *Journal of Environmental Management*, 416, 130624 (IF=9.2)
9. N. Singh, M.K. Riyal, Bhupendra Singh, S.P. Sati, V.P. Khanduri. (2026). The Altitudinal Paradox: Biomass dependence, emissions, and sustainable pathways in the Garhwal Himalaya. *Next Sustainability*, 8, 100459 (IF=6.0)
10. Munesh Kumar, Priyanka Panwar, C.S. Dhanai, Harish Arya, **Bhupendra Singh**, Yuchuan Fan, (2026). Soil nutrient dynamics in land-use patterns of the Garhwal Himalaya: An assessment for sustainable land management in India, *Energy Nexus*, 23,100776, 2772-4271, <https://doi.org/10.1016/j.nexus.2026.100776>. (IF=8.2)

No. of seminar Attended: 20

Number of Books/Manuals/Monographs: 01

Research project as PI/Co PI/Nodal Officer: 03

Place: Ranichauri

Date: 12.10.2026

Dr. Bhupendra Singh