


Curriculum Vitae

Full Name:	DR. BHUPENDRA SINGH BHANDARI			
Designation:	Associate Professor			
Department:	Botany & Microbiology			
Campus:	BCC Srinagar			
Telephone:	01346-252174	Fax:	01346-252174	
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Email	bhandaribs11@gmail.com			
Education Qualification:	Ph.D., HNB Garhwal University, 1996			
Teaching Experience:	23 Years	Research Experience:	23 Years	
Research Interest and Fields of Specialization				
1. Ecology and Environmental Biology 2. Taxonomy				
Honours & Awards				
1. Young Scientist – Department of Science and Technology (DST), Government of India (01.01.03 - 31.12.05)				
Member of Academic Institutions				
1. Member, Annual Report Preparation Committee of H.N.B. Garhwal University, Srinagar (Garhwal) for the three academic years. 2. Member, Anti-ragging Committee H.N.B. Garhwal University, Srinagar (Garhwal). 3. Member of various Administrative and Academic Bodies of H.N.B. Garhwal University, Srinagar (Garhwal). 4. Member, Institutional Ethical Committee, Veer Chandra Singh Medical College, Srinagar Garhwal. 5. Member, INSPIRE Committee, HNB Garhwal University, Srinagar Garhwal.				
Membership of Scientific Organizations				
Research Supervision (No. of Ph.D. Degree Awarded/Submitted/Registered):				
Awarded: 06 Registered: 03				
Research Projects/ MoU undertaken				
Administrative Experience				
1. Pool Officer , Council of Scientific and Industrial Research (CSIR) Human Resource Development Group (01.08.99 - 31.07.02) 2. Worked as an Assistant Proctor in the H.N.B. Garhwal University, Srinagar (Garhwal) for the last more than nine years. 3. Worked as an Assistant Controller of Examination H.N.B. Garhwal University, Srinagar (Garhwal) for three years (2011-2013). 4. Member, Annual Report Preparation Committee of H.N.B. Garhwal University, Srinagar (Garhwal) for the last six academic years. 5. Member of various Administrative and Academic Bodies of H.N.B. Garhwal University, Srinagar (Garhwal). 6. Member, Institutional Ethical Committee, Veer Chandra Singh Medical College, Srinagar Garhwal. 7. Member, INSPIRE Committee, HNB Garhwal University, Srinagar Garhwal.				
Scientific Visits Abroad/ International Collaboration				
Conference/Symposium/Workshop Attended during last five years (2017-2022)				
1. Attended and presented a paper entitled "Ecotourism and High Altitude Fragile Ecosystems of Garhwal Himalaya" in a National Seminar on "Inclusive Drive Engine of Community-based Ecotourism in the Mountainous Himalayas: Guidelines, Policy Perspectives and Development Indicators" organized by CMTHS, HNB Garhwal University (27 September, 2014). 2. Refresher Course in Bio and Life Sciences (05.08.2015 to 26.08.2015). UGC Academic Staff College. Nainital.				

3. One week **DST** sponsored Training Programme on **Climate Change Vulnerabilities and Adaptation Strategies** organized by Forests and Climate Change Division, Indian Council of Forestry Research and Education, Dehradun (08-12 February, 2016).
4. One week training programme on Climate Change and Disaster Management organized by National Institute of Technical Teachers Training and Research (MHRD), Chandigarh (07-11 November, 2016).
5. Attended an International Workshop on Climate Change, Himalayan Glaciology & Glacio-Hydrological Modeling Sponsored by ICIMOD (September 6-8, 2016).
6. Presented a paper "Morpho-taxonomic Diversity of Soil Micro-fungi in Some Selected Croplands of Doon Valley of Uttarakhand Himalaya" in a National Seminar on "Crop Diversity and Entrepreneurship Development in Himalayan Environment" organized by Department of Botany, RCU Government Post Graduate College, Uttarkashi (29 Sept-01 Oct, 2016).
7. Presented a paper "Forest Fires and Ecological Conflicts in Uttarakhand Hills" in a National Conference on "Climate Change, Resource Conservation and Sustainability Strategies" organized by the University School of Environment Management, Guru Gobind Singh Indraprastha University, New Delhi (March 16-17, 2017).
8. Presented a paper as Invited Speaker on "Forest Fires in Uttarakhand Himalaya" in a National Seminar on "Socio-economic Impact of Ecological Ignorance in Development: Raising Disastrous Possibilities" organized by Department of Botany, Government Post Graduate College, Dwarahat, Almora (Uttarakhand) (6-7 May, 2017).

Conference/Symposium/Workshop Organized during last five years (2017-2022)

1. Presented a paper "Forest Fires and Ecological Conflicts in Uttarakhand Hills" in a National Conference on "Climate Change, Resource Conservation and Sustainability Strategies" organized by the University School of Environment Management, Guru Gobind Singh Indraprastha University, New Delhi (March 16-17, 2017).
2. Presented a paper as Invited Speaker on "Forest Fires in Uttarakhand Himalaya" in a National Seminar on "Socio-economic Impact of Ecological Ignorance in Development: Raising Disastrous Possibilities" organized by Department of Botany, Government Post Graduate College, Dwarahat, Almora (Uttarakhand) (6-7 May, 2017).

Publications during last five years (2017-2022)

Journals

1. Rawat, D.S. and **Bhandari, B.S.** 2017. A note on distribution of *Salvia reflexa* Hornem. (Lamiaceae) in Uttarakhand. **Phytotaxonomy**, **17**: 120-122.
2. Riaz, T. and **Bhandari, B.S.** 2017. Herbal based traditional practices in a Van Panchayat of Garhwal, Uttarakhand Himalaya. **New York Science Journal**, **10(10)**: 84-88.
3. Akash, Navneet and **Bhandari, B.S.** 2018. Phytosociological studies, biodiversity conservation in a sub tropical moist deciduous forest of Rajaji Tiger Reserve, Uttarakhand, India. **International Journal of Research and Analytical Reviews**, **5(3)**: 39-51.
4. Akash, Navneet and **Bhandari, B.S.** 2018. Phytosociological investigation, biodiversity conservation and life form pattern in a *Holeptelia integrifolia* community under Rajaji Tiger Reserve, Uttarakhand, India. **International Research Journal of Biological Sciences**, **7(7)**: 13-26.
5. Akash, Navneet and **Bhandari, B.S.** 2018. Tree diversity, stand structure and community composition in tropical forest of Rajaji Tiger Reserve, Northern India. **Journal of Applied and Natural Science**, **10(3)**: 945-953.
6. Malik, N. and **Bhandari, B.S.** 2018. First report on occurrence of leaf spot disease on *Hippophae salicifolia* D.Don caused by *Alternaria* species from Uttarakhand, India. **Journal**

of **Mycopathological Research**. 55(4): 365-368.

7. Malik, N. and **Bhandari, B.S.** 2018. Evaluation of *Trichoderma harzianum* as a potential biocontrol option for fungal root disease of Seabuckthorn. **Annals of Plant Sciences**, **7(7)**: 2373-2376.
8. Rawat, D.S. and **Bhandari, B.S.** 2018. Angiosperm phylogeny group classification in fourth iteration: Its future impact in India. **National Academy of Sciences, India**. Springer Doi: 10.1007/s40009-018-0711-5.
9. Akash, Navneet, **Bhandari, B.S.** and Bilajlwan, K. 2018. Phytodiversity, stand structure and biodiversity conservation in a tropical forest community under Rajaji Tiger Reserve, Uttarakhand, India. **ENVIS Bulletin Himalayan Ecology**, **26**: 7-16
10. Tiwari, O.P., Rana, Y.S., Krishan, R., Sharma, C.M. and **Bhandari, B.S.** 2018. Regeneration dynamics, population structure and forest composition in some ridge forests of the Western Himalaya, India. **Forest Science and Ecology**, **14(2)**: 66-75.
11. Akash, Navneet and **Bhandari, B.S.** 2019. A community analysis of woody species in a tropical forest of Rajaji Tiger Reserve. **Environment and Ecology**, **37(1)**: 48-55.
12. Gusain, P. and **Bhandari, B.S.** 2019. Rhizosphere associated PGPR functioning. **Journal of Pharmacognosy and Phytochemistry**, **8(5)**: 1181-1191.
13. Gusain, P., Singh, V., Uniyal, D.P. and **Bhandari, B.S.** 2019. Assessment of PGPR Bioinoculation in Heavy Metal Contaminated Agricultural Soils and their impact on Morphological, Physiological and Yield Behaviour of crop plants. In: Gautam, A. and Pathak, C. (Eds) Contamination in Soil Environment, Daya Publishing House, New Delhi, pp. 21-30.
14. Akash, Navneet, **Bhandari, B.S.** and Bilajlwan, K. 2019. Role of ecotourism potentials, livelihood improvement and environmental sustainable development in Rajaji Tiger Reserve, Uttarakhand, India. **American Journal of Research**, 269-283.
15. Mehta, J.P., **Bhandari, B.S.** and Arya, P. 2020. Structural analysis and diversity status of some montane forest stands along an altitudinal gradient in Garhwal Himalaya. **Journal of Science and Technological Research**, **2(2)**: 1-9.
16. Akash, Mohd, Zakir, **Bhandari, B.S.** and Navneet 2020. Species diversity, forest structure and regeneration potential of Shisham (*DALBERGIA SISSOO*) forests in Rajaji Tiger Reserve, Uttarakhand, India. **ENVIS Centre on Himalayan Ecology**, **28**: 14-18.
17. Akash., Mohd. Zakir, Navneet., **B.S. Bhandari** and Dalip Mansotra. (2020). Uses and Knowledge of Wild and Cultivated Edible Medicinal Plants by Indigenous Groups of Rajaji Tiger Reserve, Uttarakhand, India. **Plant Archives**. **20(2)**: 5393-5404.
18. Akash., Navneet., **B.S. Bhandari.** (2020). Natural regeneration dynamics of tree species along the altitudinal gradient in a Sub tropical moist deciduous forest of Northern India. **Current Science**, **119 (12)**: 2019-2023.
19. **B.S. Bhandari**, Arti Falswal, Ranchi and Priyanka (2020). Domination Diversity of Fallen Ephemeric Lichens in a Broad-leaved Ecosystem of Garhwal Himalaya. **J. Mountain Res.** **15**: 197-200.
20. Akash, Navneet and **B.S. Bhandari.** (2021). Ethnobotanical plants used in health care and traditionally practices by locals inhabitants (Gujjars) of Rajaji tiger reserve, Uttarakhand, India. **Indian Journal of Traditional Knowledge**. **20: (1)**: 91-105.
21. Akash, Mohd. Zakir, Navneet, **B.S. Bhandari.** (2021). Species diversity, forest structure and regeneration potential of Shisham (*Dalbergia sissoo*) forests in Rajaji tiger reserve, Uttarakhand, India. **ENVIS Centre on Himalayan Ecology**, **28**: 13-17.
22. Akash, Navneet, **B.S. Bhandari.** (2021). Species Diversity, Soil nutrients Dynamics and Regeneration status of Sal (*Shorea robusta*) forests in Western Himalayan region of India". **Nature, Environment and Pollution**, **20: (3)**: 2-13.

Proceedings

Books

1. Akash, Navneet and **B.S.Bhandari** **Ethnomedicinal Plant Use and Practice in Traditional Medicine** IGI global publishing company, U.S.A, ISBN13: 9781799813200 EISBN13: 9781799813217; DOI: 10.4018/978-1-7998-1320-0; 2020

Book Chapters

1. Akash, Navneet, **B.S. Bhandari**, S.S. Bisht and D.K. Mansotra. (2020). Ethnobotany: The Traditional Medical Science for alleviating human ailments and suffering. In: *Ethnomedicinal Plant Use and Practice in Traditional Medicine*, Akash, Navneet and B.S. Bhandari (eds). IGI Global USA, 38- 57.
2. Akash and Navneet and **Bhandari, B.S.** (2019). Air pollution and climatic changes: The global and regional perspectives. In: *Climate Change and Agro-edaphic System*. Chauhan,A. and Bharti, P.K.). Discovery publishing house, pvt.ltd. New Delhi, India. 74-102.
3. Akash and Navneet and **Bhandari, B.S.** (2019). "Effects of Atmospheric Pollutants on Biodiversity. In: *Global Perspectives on Air Pollution Prevention and Control System Design*. Venkatesan, G.(ed). IGI global publishers U.S.A.
4. Akash and Navneet and **Bhandari, B.S.** (2019). Vulnerability of forest vegetation due to anthropogenic disturbances in Western Himalayan region of India. In: Decision Support Methods for Assessing Flood Risk and Vulnerability. Karmaoui, A. (ed). IGI global publishers U.S.A.
5. Gusain, P., Singh, V., Uniyal, D.P. and **Bhandari, B.S.** 2019. Assessment of PGPR Bioinoculation in Heavy Metal Contaminated Agricultural Soils and their impact on Morphological, Physiological and Yield Behaviour of crop plants. In: Gautam, A. and Pathak, C. (Eds) **Contamination in Soil Environment**, Daya Publishing House, New Delhi, pp. 21-30.
6. Kharkwal, K, Mansotra, D.K and **Bhandari, B.S.** (2020). Wild plants used as a forest ecosystem services by the local inhabitants of Champawat district of Uttarakhand to the subsistence of their livelihood. In: *Ethnomedicinal Plant Use and Practice in Traditional Medicine*, Akash, Navneet and **Bhandari, B.S.** (eds). IGI Global USA, 267-284.
7. Akash, **Bhandari, B.S.** Navneet and S.S. Bisht (2020). Ethnomedicinal Plants used in the Treatments of Various Human Skin Ailments. In: *Research Trends in Medicinal Plant Sciences*. (Ed. Hussain, M). M AkiNik Publications New Delhi 1-16

Total Number of Research Publications: 62