

Curriculum Vitae

Full name:	Dr. Himshikha Gusain	
Designation:	Assistant Professor	
Department:	Department of Forestry and Natural Resources	
Campus and Address	Chauras Campus, Hemvati Nandan Bahugauna Garhwal University (A Central University) Srinagar Garhwal Uttarakhand	
Telephone	9870864515	
Email:	Bhhimshikha654@gmail.com	
Date of Birth	17.08.1988	
Qualification	Ph. D Forestry (Forest Research Institute University, Dehra Dun), 2017	
Field of Specialisation	<ul style="list-style-type: none"> I. Forestry Extension II. Agroforestry model development and socio economics of agroforestry systems 	
Area of Interest	<ul style="list-style-type: none"> I. Potential of agroforestry in rural livelihood II. Cost-effective agroforestry model development III. Socio-economics and plantation studies for sustainable management IV. Natural and Anthropogenic influence on composition, growth, utilization and conservation of forest species, V. Forest resource utilization and functioning VI. Nursery practices and plantation techniques 	
Membership of society/associations	<ul style="list-style-type: none"> I. Society for Advancement of Human and Nature (SADHNA), (Since 2016) Dr. Y.S. Parmar University of Horticulture and forestry, Solan (H.P.) II. National Environmental Science Academy (NESA), New Delhi (Since 2021) III. International Society for Development and Sustainability (ICDS) Japan (Since 2021). 	
Honours and awards	<ul style="list-style-type: none"> I. Junior Research Fellowship (ICFRE-FRI) in ICFRE funded project entitled, “Development of Kadam, Kachnar and Bhimal based agroforestry models on farmers land under rain-fed conditions in Uttarakhand” under the supervision of Dr. Charan Singh, Scientist-E, Extension Division, FRI (from Date 01.06.2017 to 31.05.2019). II. Best Thesis award (GRIAAS-ICAR, Hyderabad)-2019 III. Young Professional award in Society for Scientific Development in Agriculture and Technology (SSDAT- 2021) IV. Women scientist award in Innovative and current advances in agriculture and allied sciences (ICAAAS-2022), HPU, Shimla. 	
Research Supervision:	MSc (05)	

	Ph.D ()
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Administrative responsibilities:

- I. Proctor (2020 onwards) University Proctorial Board
- II. Member NIRF and SSR committee (2021)
- III. Member Print and Invitation committee- University Convocation Programme (2020-2021)
- IV. Anchoring committee HNBGU Convocation (2020 onwards)
- V. Member

Research Activities in brief: During the last five years

Activities/ Publication	International	National
Research Papers	08	12
Review Articles	02	01
Chapter in Books, proceedings etc.	01	04
Paper presented in Conferences/ Seminars	02	03
Conference/Seminars/ workshops	02	03
Training programmes	-	06
Workshops	-	04

Conferences/Seminars/webinars

1. **Presented** a Paper on “Anthropogenic Influence on the Biological diversity of Forest Ecosystems in The Himalaya” in 2nd International conference on Aerosol, Air Quality & Climate change over Hiamlayan Region of Uttarakhand (AAC-2022). HNBGU (04-06-11-2022)
2. Participated in International Joint seminar/field workshop on integrated research for sustainable agroecosystems and ecological integrity of the Mountainous Ecosystems of Uttarakhand (16-20 May, 2022)
3. Participated in Innovative and current advances in agriculture and allied sciences (ICAAAS-2022), HPU, Shimla.
4. Participated in Techno-scientific-challenges and sustainable solutions for living beings during changing environment (TCSE, 29-30 January 2021) by NESA & ICAR-Indian Agricultural Statics Research Institute (IASRI).
5. Participated in webinar on International Mountain Day, 2020, organised by Uttarakhand Science Education and Research Centre, DST (GoI).
6. Attended Uttarakhand Space Geoinformatics Meet, 2020 (10th Feb, 2020) by Uttarakhand Space Application Centre, Dehradun.
7. **Presented** paper on “*A Comparative Assessment of Economics of Common Agri-Silviculture Models in Haridwar Region of Northern India*” in 2nd International Conference on Recent Advances in Agricultural, Environmental and Applied Sciences for Global Development (RAAEASGD-2019) organised by Dr. Y.S. Parmar University of Horticulture and Forestry, Solan, H.P.
8. **Presented** paper on “*Constraints in promotion of Farm agroforestry Plantation in Haridwar, India and, Agroforestry Systems in Haridwar, India*” in 19th Commonwealth Forestry Conference (3th-7th April, 2017) organised by Forest Research Institute, Dehra Dun.

9. **Presented** paper in National conference on Alternate Farming Systems to Enhance Farmers' income (19th-21th September, 2017) organised by Dr. Y.S. Parmar University of Horticulture and Forestry, Solan, H.P.
10. Participated National conference on Developmental Imperatives on the role of Gender (Feb. 22th-23th, 2014) organised by Doon University, U.K.
11. Participated in 13th Silvicultural Conference (Feb. 24th -28th, 2014), organised by Forest Research Institute, Dehra Dun.
12. **Presented** paper on *Environmental Accounting: An Approach for sustainable environmental management for MSME*, in National conclave cum Conference (MSMEC) on Sustainable Supply Chain Capabilities of MSME: influences, practices, training needs and employment opportunities (May 10th, 2014), organised by Doon university, Uttarakhand.

Training programmes

1. PMMMNMTT sponsored **Induction Programme** for "Faculty in Universities/ Colleges/ Institutes of Higher Education" organised by Ramanujan College University of Delhi (20 Dec-19 Jan' 2022).
2. Faculty Development Programme (**FDP**) on Recent Trends in Educational Technology organised by Odisha University of Agriculture and Technology, Bhubaneswar (24-28 Sep' 2021).
3. NMPB sponsored 10 days training program on Medicinal and Aromatic Plant Diversity, Utilization and their Conservation, organised by Uttar Banga Krishi Vishwavidyalaya, Koochbihar, West Bengal (June 01-10' 2021).
4. ICAR-NAAHP-CAAST sponsored **Training Programme** on Biophysical and socioeconomic interactions in agroforestry organised by PAU, Ludhiana (Feb. 16-March, 08' 2021).
5. PMMMNMTT sponsored **Short-Term Training Program** on 'Pedagogy of Digital Learning and New Education Policy' organized by HNB Garhwal University. (January 19-25' 2021).
6. PMMMNMTT sponsored **Short-Term Training Program** on Emerging Trends in E-Learning: Catalyst for Reforming Higher Education' organized by HNB Garhwal University (Dec 10-16' 2020).

Workshops

1. Attended a workshop on Intellectual Property Rights (IPR), HNDBGU (30 September, 2022).
2. Attended a regional workshop on Forestry Research, Sustainable Forest Management and Livelihood. HFRI, Shimla, sponsored by NABARD (17 March, 2021).
3. Attended Association of Indian Universities and Martha Farrell Foundation Safe Campus Program (18th -19th March, 2021)
4. Attended a workshop on 'Science and Technology for Women: Pooling of Knowledge and Information Sharing (8th march, 2016) organised by Uttarakhand State Council for Science and Technology (UCOST), Dehradun.

Research Paper Publications

1. T Dipung, **Himshikha Gusain**, J.S. Butola and S Dobhal **2022**. *Weed composition, structure, and their quantitative evaluation under tropical conditions in Garhwal region*. Journal of Biological and Environmental Sciences, 3(1): 47-56
2. J.S. Butola, **Himshikha**, V Jadon, P Sharma, A.R. Malik and R.K. Vashistha **2022**. *Conservation of a medicinal orchid through ex-situ cultivation: an experimental trial on Saalampanja*

- (*Dactylorhiza hatagirea* D.Don) Soó RET species in North Western Himalaya. *Ecology, Environment & Conservation*. 28 (May Suppl. Issue): S140-S146
3. R Binjola, S Dobhal, K Upadhyay, **Himshikha Gusain**. 2022. *Forest Fire: Impact and Control measures*. *Agriculture and Environment* 3(3): 1-4.
 4. P Sharma, J.S. Butola, V Kumar, **Himshikha**, A.R. Malik and S.S. Samant. 2021. *Vulnerability assessment and conservation prioritization of Ethno-medicinal plants in Banjar valley, North-Western Himalaya*. *Frontier in Crop improvement*, 9 (VI): 2694-2699.
 5. P Bansal, J.S. Butola, **Himshikha** and A.K. Negi. 2021. *Comparative assessment of morpho-Physical Quality characteristics in Wild and Planted Amla (*Phyllanthus emblica* Linn.) Fruits and Seeds*. *Frontier in Crop improvement*, 9 (VII): 2669-2673.
 6. D Singh, **Himshikha Gusain**, J.S. Butola and A.K. Negi. 2021. *Synchrony of Phenophase and seasonal variation in Wild species from Anacardiaceae family in Garhwal Himalaya*. *Frontier in Crop improvement*, 9 (VII): 2704-2709.
 7. Thejanguzo T.R., **Himshikha**, A.K. Negi, J.S. Butola, L.S. Kandari and C.S. Dhanai. 2021. *Diversity and Phytosociological Analysis of Weed Species: An Important Tool for Crop Management*. *Frontiers in Crop Improvement*, 9 (III): 1090-1098.
 8. S Dobhal, S Sharma, P Lal and **Himshikha Gusain**. 2021. *Estimation of combining ability, genetic components and heterosis in morphological characteristics of Line \times tester in *Populus Deltoides* Bartr.* *Journal of Tree Sciences*, 40 (1): 1: 17
 9. **Himshikha**, A K Negi, P K Poonia, M Kumar and V Daneva. 2020. *Evaluation of existing Agroforestry Systems in plain region of Uttarakhand, India*. *Indian journal of agroforestry* 22 (2): 44-50
 10. **Himshikha**, C Singh. 2019. *A comparative assessment of Economics of Common Agri-Silviculture models from Haridwar region of Northern India*. *Bulletin of Environment, Pharmacology and Life Sciences* 8 (12): 1-5
 11. **Himshikha**, C Singh. 2018. *Economics of Poplar based Agroforestry Models Adopted by the Farmers in Haridwar, Uttarakhand*. *Indian journal of Ecology* 44(6): 804-811.
 12. **Himshikha**, C Singh, C Singh. 2018. *Comparison of Economics of Poplar-Fodder Crop-Based Agroforestry under Boundary and Block Plantation in Haridwar, North India*. *Indian Journal of Economics and Development* 14(1a): 422-426.
 13. **Himshikha**, C Singh. 2018. *Adoption of Agroforestry Practices: Chi Function Approach in Determining Influence of Individual and Social Factors on Farmers' Decision to Adopt or not to Adopt Agroforestry*. *The Indian Forester*, 144(7):646-652.
 14. **Himshikha**. 2018. *Evaluation of adopted agroforestry models in Haridwar, India*. *Research Journal of Agriculture and Forestry*, 4 (10): 11-16.
 15. **Himshikha**, C Singh. 2017. *Chi² analysis of economic factors in agroforestry adoption: Which economic factors influence farmers and which do not?* *Agriculture Update* 12(3): 338-346.
 16. **Himshikha**, C Singh. 2017. *Independent household and Farm factors in adoption of Agroforestry types: Experiences from Haridwar District, India*. *Agriculture Update* 12(2): 298-306.
 17. **Himshikha**, C Singh. 2017. *Socioeconomic Conditions of the Farmers*. *Agriculture Update* 12(2): 344-350.
 18. **Himshikha**, C Singh. 2017. *Role of farmers knowledge, experience and decision making at farm level agroforestry: Why do farmers adopt agroforestry or not?* *International Journal of Forestry and Crop Improvement*, 8 (1) 40-47.

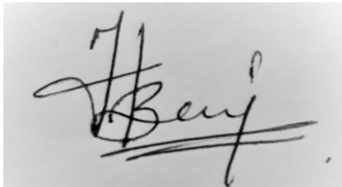
19. **Himshikha**. 2016. *Assessment of Socio-economic status of agroforestry farmers in Haridwar, Uttarakhand*. International Journal of Farm Sciences, 6 (4): 87-94.
20. **Himshikha**. 2016. *Existing agroforestry practices in Haridwar, India*. International Journal of Science and Research 5 (9): 993-997

Review articles

1. R. B Singh, C Singh, **Himshikha**. 2018. *Grewia optiva (Drumm. Ex Burr) - A Multi-Purpose Tree under Agroforestry in Sub-Tropical Region of Western Himalaya*. Journal of Tree Science, 37 (2):36-44
2. **Himshikha**. 2016. *Socio-economic Research in Agroforestry: A review of Ninety research articles*. International Journal of Agriculture science and research, 6 (6): 283-300.
3. **Himshikha**. 2016. *Three decades of agroforestry and its socio-economics-A review of fifty articles*. International Journal of Research in Applied, Natural and Social Sciences. 4 (11): 73-84

Book chapter/ Proceedings/ Souvenirs/others

1. **Himshikha**, S Dobhal, D ayate and P Lal. 2022. *Influence of anthropogenic activities on the biological diversity of forest ecosystem*. In: Rani, M., Chaudhary, B.S., Jamal, S., Kumar, P. (eds) *Towards Sustainable Natural Resources*. Springer, Cham. https://doi.org/10.1007/978-3-031-06443-2_12
2. **Himshikha Gusain**, J S Butola, S Dobhal, P K Poonia. 2021. *Farm based income through Agroforestry in North India*. National Environmental Science Academy (NESA) Newsletter, 24(7): 7-11
3. Thejanguzo T.R., **Himshikha**, A.K. Negi. 2021. *Phyto-diversity of weed species with their habitat distribution at nursery and wild. A community analysis Approach*. **Abstract** in Souvenir of Techno-Scientific Challenges and Sustainable Solutions for Living Beings During Challenging Environment-33 annual function of NESA (28-29 Jan'2021)
4. **Himshikha**, C Singh. 2019. *Adoption and Agroforestry: A review on challenges and socio-economics*. Innovative Approaches in Agriculture and Environmental Development (Eds. Dr. C.P. Singh et al.) JPS scientific Publications, Bangalore, India ISBN 978-81-943168-8-6.
5. **Himshikha**, C Singh. 2018. *Economics of Poplar based Agroforestry Models Adopted by the Farmers in Haridwar, Uttarakhand*. Proceedings of National conference on Alternate Farming Systems to Enhance Farmers' income (19th-21th September, 2017), Solan, H.P



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(Assistant Professor)

Department of Forestry and Natural Resources,
School of Agriculture and Allied Sciences
HNB Garhwal (Central University), Uttarakhand