

Kumaun University, Nainital

Curriculum Vitae

Name : Surendra Singh Bargali
 Designation : Professor & Head
 Department : Botany
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Educational Qualification

Degree	University	Subjects	Year
Ph.D.	Kumaun University, Nainital, India	Forest Ecology	1991
M.Sc.	Kumaun University, Nainital, India	Forestry	1986
B. Sc.	Kumaun University, Nainital, India	Botany, Forestry, Zoology	1984

Work Experience (add row if required)

Position	Department	University/Organization	Year
Professor & Head	Botany	D.S.B. Campus, Kumaun University, Nainital	2022-onwards
Professor	Botany	D.S.B. Campus, Kumaun University, Nainital	2011-onwards
Professor/Principal Scientist	Forestry	Indira Gandhi Agricultural University, Raipur, Chhattishgarh	2009-2011
Senior Scientist/Associate Professor	Forestry	Indira Gandhi Agricultural University, Raipur, Chhattishgarh	2003-2009
Scientist	Forestry	Indira Gandhi Agricultural University, Raipur, Chhattishgarh	1994-2003
Research Associate	Forestry	Kumaun University, Nainital	1992-1994
Senior Research Fellow	Forestry	Kumaun University, Nainital	1989-1991
Junior Research Fellow	Forestry	Kumaun University, Nainital	1987-1989

Administrative Responsibilities (add row if required)

Position	Nature of responsibility	University/Organization	Year
Director, Environmental Sciences	To organise the course programme for UG students	DSB Campus, Kumaun University, Nainital	2017-onwards

Assistant DSW	Conducted free and fair elections of student union and smoothly run all the student activities.	DSB Campus, Kumaun University, Nainital	2011-2022
Director- Planning & Development	For implementing the developmental activities	Kumaun University, Nainital	2019
Senior Superintendent of exam	Successfully and fairly completed the different exams of the University	DSB Campus, Kumaun University, Nainital	2011-12, 2012-13, 2013-14 and 2014-15
Member Secretary	Academic Regulations for Master and Ph.D. degree programmes	Indira Gandhi Krishi Vishwavidyalaya, Raipur (CG)	2008-2010
Member Secretary	Inspection of Private Affiliated Colleges of IGKV with modified "Norms/guidelines for Affiliation and Recognition	Indira Gandhi Krishi Vishwavidyalaya, Raipur (CG)	2009 - 2010
Member Secretary	Preparation of Norms/guidelines for Affiliation and Recognition of Private Affiliated Colleges-2001	Indira Gandhi Krishi Vishwavidyalaya, Raipur (CG)	2009 - 2010
In - Charge Academic/ Student Section/OSD Dean	Prepared the UG syllabi as per 4 th Dean's Committee recommendations and M.Sc. and Ph.D syllabi as per ICAR recommendations 2009 and implemented by the University	College of Agriculture, IGKV, Raipur (CG)	2008-2011

Research Interests

(List your research interests and areas of expertise in 1-3 lines)

- Ecology, Agroforestry

Publications (start from recent publications)

a) Research Papers(add row if required)

Authors name	Title of the paper	Journal, vol, page no	Year
Pandey R, SS Bargali , K Bargali, H Karki and RK Chaturvedi	Dynamics of nitrogen mineralization and fine root decomposition in subtropical <i>Shorea robusta</i> Gaertner f, forests of Central Himalaya, India	<i>Science of The Total Environment</i> , 921, 170896	2024
Bisht S, GS Rawat, SS Bargali , YS Rawat and A Mehta	Forest vegetation response to anthropogenic pressures: a case study from Askot Wildlife Sanctuary, Western Himalaya	<i>Environment, Development and Sustainability</i> , 26, 10003-10027	2024
Pathak D, K Bargali, SS Bargali and A Fartyal	Seed germination and early seedling growth behavior of critically endangered <i>Catamixis baccharoides</i> to variation in soil	<i>Vegetos</i> ,	2024
Negi B, K Khatri,	Biomass production capacity of	<i>Indian Journal of</i>	2023

SS Bargali, K Bargali	<i>Ageratina adenophora</i> and its impact on associated herb species in Banj oak and Chir pine forest of Kumaun Himalaya	<i>Agroforestry</i> , 25(2), 61–68	
Fartyal A, K Bargali and SS Bargali .	The effect of different slope aspects on plant diversity and soil characteristics in a temperate grassland of Kumaun Himalaya	<i>Vegetos</i> ,	2023
Shahi C, SS Bargali and K Bargali and Vibhuti.	Dry matter dynamics and CO ₂ mitigation in the herb layer of Central Himalayan agroecosystems along an altitudinal gradient, India.	<i>Tropical Ecology</i> , 64 (1), 180–192. https://doi.org/10.1007/s42965-022-00258-6	2023
Kumar A, Y Bisht, K Rautela, A Jugran, ID Bhatt, SS Bargali	Morphological and genetic diversity assessment of <i>Rheum australe</i> D. Don - A high value medicinal herb from the Himalaya, and implications for conservation strategies.	<i>South African Journal of Botany</i> , 163, 620-629 https://doi.org/10.1016/j.sajb.2023.11.016	2023
Negi B, K Khatri, SS Bargali and K Bargali A Fartyal, RK Chaturvedi	Impact of invasive <i>Ageratina adenophora</i> on relative performance of woody vegetation in different forest ecosystems of Kumaun Himalaya, India	<i>Journal of Mountain Science</i> , 20 (9), 2557- 2579 https://doi.org/10.1007/s11629-022-7862-z	2023
Bisht S, SS Bargali , K Bargali, YS Rawat and GS Rawat	Dry matter dynamics and carbon flux along riverine forests of Gori valley, Western Himalaya.	<i>Frontiers in Forests and Global Change</i> , 6 https://doi.org/10.3389/ffgc.2023.1206677	2023
Maletha A, RK Maikhuri and SS Bargali	Population structure and regeneration pattern of Himalayan birch (<i>Betula utilis</i> D.Don) in the timberline zone of Nanda Devi Biosphere Reserve, Western Himalaya, India.	<i>Geology, Ecology, and Landscapes</i> , 7(3), 248-257 https://doi.org/10.1080/24749508.2021.1952767	2023
Negi B, K Khatri, SS Bargali and K Bargali	Invasive <i>Ageratina adenophora</i> (Asteraceae) in Agroecosystems of Kumaun Himalaya, India: A Threat to Plant Diversity and Sustainable Crop Yield.	<i>Sustainability</i> , 2023, 15, 10748 https://doi.org/10.3389/su151410748	2023
Khatri K, B Negi, K Bargali and SS Bargali	Trait plasticity: a key attribute in the invasion success of <i>Ageratina adenophora</i> in different forest types of Kumaun Himalaya, India.	<i>Environment, Development and Sustainability</i> , DOI: 10.1007/s10668-023-03529-x	2023
Khatri K, B Negi, K Bargali and SS Bargali	Effects of different concentrations of leaf residues of <i>Ageratina adenophora</i> on seed germination and growth behavior of two native tree species of Kumaun Himalaya, India.	<i>Waste and Biomass Valorization</i> , https://doi.org/10.1007/s12649-023-02213-5	2023
Manral V, K	Seasonal Dynamics of Soil Microbial	<i>Sustainability</i> , 15,	2023

Bargali, SS Bargali , H Karki and RK Chaturvedi	Biomass C, N and P along an Altitudinal Gradient in Central Himalaya, India.	1651 https://doi.org/10.3390/su15021651	
Pandey R, SS Bargali , K Bargali, H Karki, M Kumar and U.K. Sahoo	Fine root dynamics and associated nutrient flux in Sal dominated forest ecosystems of Central Himalaya, India	<i>Frontiers in Forests and Global Change</i> , 5, 1064502. https://doi.org/10.3389/ffgc.2022.1064502	2023
Khatri K, B Negi, K Bargali and SS Bargali	Phenotypic variation in morphology and associated functional traits in <i>Ageratina adenophora</i> along an altitudinal gradient in Kumaun Himalaya, India.	<i>Biologia</i> , 78, 1333–1347. https://doi.org/10.1007/s11756-022-01254-w	2023
Khatri K, K Bargali, SS Bargali and B. Negi	Effects of leaf residues from <i>Ageratina adenophora</i> on germination, growth and productivity of two rabi crops.	<i>Acta Ecologica Sinica</i> , 43(02), 363–374. https://doi.org/10.1016/j.chnaes.2022.05.001	2023
Pandey R, SS Bargali , K Bargali, VC Pandey	Temporal variability in fine root dynamics in relation to tree girth size in sub-tropical <i>Shorea robusta</i> forests.	<i>Land Degradation & Development</i> , 34(5), 1522-1537. https://doi.org/10.1002/ldr.4550	2023
Pandey R, SS Bargali and Kiran Bargali	Tree biomass and carbon stock in subtropical Sal forest of Central Himalaya, India	<i>Vegetos</i> , https://doi.org/10.1007/s42535-022-00503-2	2022
Pandey R, SS Bargali and K Bargali	Seasonal dynamics of soil Inorganic N and N- mineralization in sub-tropical Sal forest in Central Himalaya, India.	<i>Journal of Scientific Research</i> , 66 (3), 161-175 https://doi.org/10.37398/JSR.2022.660320	2022
Khatri K , B Negi K Bargali and SS Bargali	Spatial variation in allelopathic inhibition by <i>Ageratina adenophora</i> on growth and yield of two traditional millet crops.	<i>Vegetos</i> , 35, 663–673. https://doi.org/10.1007/s42535-022-00353-y	2022
Fartyal A, K Khatri, K Bargali and SS Bargali	Altitudinal variation in plant community, population structure and carbon stock of <i>Quercus semecarpifolia</i> Sm. forest in Kumaun Himalaya.	<i>Journal of Environmental Biology</i> , 43 (1), 133-146.	2022
Padalia K, SS Bargali , K Bargali and V Manral	Soil microbial biomass phosphorus under different land use systems.	<i>Tropical Ecology</i> , 63, 30-48 https://doi.org/10.1007/s42965-021-00184-z	2022
Bisht S, K Bargali, SS Bargali , PS Rawat, YS Rawat	Carbon pool in <i>Quercus lanuginosa</i> (D. Don) forest of Askot wildlife sanctuary, Western Himalaya in relation to stand attributes.	<i>Indian Forester</i> , 148 (7), 709-717.	2022

Bisht S, SS Bargali , Kiran Bargali, GS Rawat, YS Rawat and A Fartyal	Influence of Anthropogenic Activities on Forest Carbon Stocks-A Case Study from Gori Valley, Western Himalaya.	<i>Sustainability</i> , 14, 16918 DOI: 10.3390/su142416918	2022
Bargali SS , C Shahi, K Bargali, B Negi and K Khatri	Energy and monetary efficiencies at the different altitudinal agroecosystems in central Himalaya, India.	<i>Heliyon</i> , 8(11), e11500. https://doi.org/10.1016/j.heliyon.2022.e11500	2022
Maletha A, RK Maikhuri, SS Bargali , A Sharma, VS Negi and LS Rawat	Vegetation dynamics and soil nutrient availability in a temperate forest along altitudinal gradient of Nanda Devi Biosphere Reserve, Western Himalaya, India	<i>PloS One</i> , 17(10), e0275051. https://doi.org/10.1371/journal.pone.0275051	2022
Awasthi P, K Bargali, SS Bargali and K Khatri	Nutrient return through decomposing <i>Coriaria nepalensis</i> litter in degraded hills of Kumaun Himalaya, India.	<i>Frontiers in Forests and Global Change</i> , 5:1008939. https://doi.org/10.3389/ffgc.2022.1008939	2022
Khatri K, B Negi, K Bargali and SS Bargali	Trait variability in co-occurring invasive and native plant species in road side population of Kumaun Himalaya.	<i>Brazilian Journal of Botany</i> , 45, 1099–1110. https://doi.org/10.1007/s40415-022-00827-y	2022
Karki H, K Bargali and SS Bargali	Dynamics of fine root and soil nitrogen in <i>Mangifera indica</i> based agroforestry systems in Central Himalaya, India.	<i>Land Degradation & Development</i> 33(17), 3523-3538. https://doi.org/10.1002/ldr.4406	2022
Awasthi P, K Bargali, SS Bargali , K Khatri and MK Jhariya	Nutrient Partitioning and Dynamics in <i>Coriaria nepalensis</i> Wall Dominated Shrublands of Degraded Hills of Kumaun Himalaya.	<i>Frontiers in Forests and Global Change</i> , 5, 913127. https://doi.org/10.3389/ffgc.2022.913127	2022
Manral V, K Bargali, SS Bargali , MK Jhariya and K Padalia	Relationships between soil and microbial biomass properties and annual flux of nutrients in Central Himalayan forests, India.	<i>Land Degradation & Development</i> 33 (12), 2014-2025. https://doi.org/10.1002/ldr.4283	2022
Awasthi P, K Bargali and SS Bargali	Relative performance of woody vegetation in response to facilitation by <i>Coriaria nepalensis</i> in Central Himalaya, India.	<i>Russian Journal of Ecology</i> , 53(3), 191-203.	2022
Khatri K, B. Negi, K Bargali and SS Bargali,	Effects of elevation and habitat on leaf and reproductive traits of <i>Ageratina adenophora</i> (Sprengel) King & Robinson.	<i>South African Journal of Botany</i> , 147, 859-870 https://doi.org/10.1016/j.sajb.2022.03.03	2022

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Awasthi P, K Bargali, SS Bargali and MK Jhariya	Structure and Functioning of Coriaria nepalensis Wall dominated Shrublands in degraded hills of Kumaun Himalaya. I. Dry Matter Dynamics.	<i>Land Degradation & Development</i> , 33(9), 1474-1494. https://doi.org/10.1002/ldr.4235	2022
Vibhuti, K Bargali and SS Bargali	Changing pattern of plant species utilization in relation to altitude and their relative prevalence in homegardens of Kumaun Himalaya, India.	<i>Natural Resources for Human Health</i> , https://doi.org/10.53365/nrfhh/144792	2022
Bisht S, K Bargali, SS Bargali and YS Rawat	How resilient are the oak forests of Askot wildlife sanctuary, western Himalaya?	<i>Indian Journal of Forestry</i> 44(2), 87-97.	2021
Shahi C, SS Bargali and Kiran Bargali	Soil properties among Indian Central Himalayan agroecosystems as affected by altitude and size variations.	<i>International Journal of Agricultural and Applied Sciences</i> 2(1): 68-79. https://doi.org/10.52804/ijaas2021.218 .	2021
Bisht V, K Padalia, SS Bargali and K Bargali	Structure and energy efficiency of Agroforestry systems practiced by tribal community in Central Himalayas.	<i>Vegetos</i> , 34, 368-383. https://doi.org/10.1007/s42535-021-00210-4	2021
Karki H, K Bargali, SS Bargali	Nitrogen mineralization patterns in Populus deltoides and Tectona grandis based agrisilvicultural practices in Central Himalaya, India.	<i>Vegetos</i> , 34 (1), 86-93. https://doi.org/10.1007/s42535-021-00195-0	2021
Karki H, Kiran Bargali, SS Bargali	Spatial and Temporal Trends in Soil N-Mineralization Rates under the Agroforestry Systems in Bhabhar belt of Kumaun Himalaya, India.	<i>Agroforestry Systems</i> 95, 1603-1617, https://doi.org/10.1007/s10457-021-00669-9	2021
Bargali SS , P Awasthi and K Bargali	Composition, structure and productivity of the herbaceous vegetation of five forest stands varying in soil moisture and nitrogen in Central Himalaya, India.	<i>Eurasian Journal of Forest Science</i> , 9 (1), 29-42 https://doi.org/10.3195/ejejfs.841095	2021
Karki H, Kiran Bargali and SS Bargali ,	Spatial and seasonal pattern of fine root biomass and turnover rate in different land use systems in Central Himalaya, India.	<i>Russian Journal of Ecology</i> , 52(1), 36–48.	2021.
Khatri K, K Bargali, B Negi and SS Bargali	<u>Germination and Early Seedling Growth of Two Rice Varieties as Affected by Invasive Ageratina adenophora.</u>	<i>Current Agriculture Research Journal</i> 8(2), 108-117.	2020
Negi B, SS Bargali , K Bargali and K Khatri	Allelopathic Interference of <i>Ageratum conyzoides</i> L. against Rice Varieties.	<i>Current Agriculture Research Journal</i> , 8(2), 69-76.	2020
Maletha A, RK Maikhuri and SS Bargali	<u>Criteria and Indicator for assessing threat on Himalayan birch (B. utilis) at timberline ecotone of Nanda Devi</u>	<i>Environmental and Sustainability Indicators</i> ,	2020

		<u>Biosphere Reserve: a world heritage site, Western Himalaya, India.</u>	https://doi.org/10.1016/j.indic.2020.100086	
Vibhuti, Bargali, Bargali,	Kiran S.S.	Effect of size and altitude on soil organic carbon stock in homegarden agroforestry system in Central Himalaya, India.	<i>Acta Ecologica Sinica</i> , 40(6), 483-491. https://doi.org/10.1016/j.chnaes.2020.10.002	2020
Manral V, Bargali, Bargali Shahi	K SS and C	Changes in soil biochemical properties following replacement of Banj oak forest with Chir pine in Central Himalaya, India.	<i>Ecological Processes</i> , 9, 30 https://doi.org/10.1186/s13717-020-00235-8	2020
Shahi C, Bargali Bargali	C, SS and K	Carbon stock and sequestration potential of different sized agroecosystems in Kumaun Himalaya.	<i>Bulletin of Environment, Pharmacology and Life Sciences</i> , 8,S26-S31.	2019
Shahi C, Bargali Bargali	C, SS and K	<u>Energy Use Efficiency of Rice-based Traditional Agroecosystems in Kumaun Himalaya, India.</u>	<i>Annals of Biology</i> , 35(2), 303-309.	2019
Vibhuti, K Bargali, SS Bargali		Species composition, diversity and traditional uses of homegarden in Kumaun Himalaya, India.	<i>Indian Journal of Agricultural Sciences</i> 89(9), 1415-1418.	2019
Sharma S, BS Kholia, A Kumar, A Srivastava and SS Bargali		Commercialization – a suggested approach for conserving a threatened fern, <i>Pteris tricolor</i> Linden.	<i>Current Science</i> 116 (11), 1790-1792.	2019
Bargali SS , K Padalia and K Bargali		Effects of tree fostering on soil health and microbial biomass under different land use systems in central Himalaya.	<i>Land Degradation & Development</i> , 30(16), 1984-1998. https://doi.org/10.1002/ldr.3394	2019
Mourya NR, K Bargali, Bargali	NR, K SS	Effect of <i>Coriaria nepalensis</i> Wall. colonization in a mixed conifer forest of Indian Central Himalaya.	<i>Journal of Forestry Research</i> , 30(1), 305-317. https://doi.org/10.1007/s11676-018-0613-x	2019
Padalia Kirtika, SS Bargali , K Bargali and K Khulbe		Microbial biomass carbon and nitrogen in relation to cropping systems in Central Himalaya, India.	<i>Current Science</i> , 115 (9), 1741-1750	2018
Tewari I, K Bargali, SS Bargali , R Upadhyay		<u>Science and technology awareness programme in Uttarakhand</u>	<i>Current Science</i> , 115 (4), 610.	2018
Padalia K, SS Bargali , K Bargali and RS Parihaar		Socio-economic Analysis Based on Energy Input and Output of Mixed Cropping Systems of Bhabhar Region (Shivalik Range of Kumaun Himalaya,	<i>Current Agriculture Research Journal</i> , 6(2), 123-140	2018

	India)		
Vibhuti, K Bargali, SS Bargali	Effects of homegarden size on floristic composition and diversity along an altitudinal gradient in Central Himalaya, India.	<i>Current Science</i> , 114(12), 2494-2503.	2018
Sharma S, A Kumar, BS Kholia, SS Bargali	<u>New pteridophytic records from Mizoram, northeastern India.</u>	<i>Journal of Threatened Taxa</i> , 10 (6), 11822-11826	2018
Bargali K, H Karki, Vibhuti and SS Bargali	Contribution of homegarden agroforestry in livelihood of rural farmers in Kumaun Himalaya.	<i>Bionature</i> , 38(1), 34-47	2018
Pandey R, Vibhuti, H Karki, P Awasthi, K Bargali, SS Bargali	<u>Effect of Wildfire on Herbaceous Vegetation in Cypress Mixed Oak Forest of Nainital, Kumaun Himalaya, India.</u>	<i>Current trends in Forest Research</i> , https://doi.org/10.29011/2638-0013.100021	2018
Sharma S, BS Kholia, SS Bargali	<u>A new species of <i>Microlepia</i> (Dennstaedtiaceae) from Mizoram, India</u>	<i>Webbia</i> , 73(2), 191-194 https://doi.org/10.1080/00837792.2018.1509932	2018
Bargali K, V Manral, K Padalia, SS Bargali and VP Upadhyay	Effect of vegetation type and season on microbial biomass carbon in Central Himalayan forest soils, India.	<i>Catena</i> , 171(12), 125-135. https://doi.org/10.1016/j.catena.1018.07.001	2018
Karki H, K Bargali and SS Bargali	Effect of Sowing Time on Germination and Early Seedling Growth of <i>Quercus floribunda</i> Lindl.	<i>Journal of Forestry and Environmental Science</i> , 34(3), 199-208. https://doi.org/10.7747/JFES.2018.34.3.1	2018
Karki H, K Bargali, SS Bargali , Vibhuti	Seed Size Variation in <i>Quercus floribunda</i> Lindl. and its Effect on Germination and Seedling Growth.	<i>Current Trends in Forest Research</i> , https://doi.org/10.29011/CTFR-107.100007	2018
Karki H, K Bargali, SS Bargali , Vibhuti and Y.S. Rawat	Plant diversity, regeneration status and standing biomass under varied degree of disturbances in temperate mixed oak-conifer forest, Kumaun Himalaya.	<i>International Journal of Ecology and Environmental Sciences</i> , 43 (4), 331-345	2017
Pantola S, K Bargali and SS Bargali , Vibhuti	Effects of NaCl on Germination and Seedling Growth in <i>Macrotyloma uniflorum</i> and <i>Vigna mungo</i> .	<i>Current Agriculture Research Journal</i> , 5 (2)169-176	2017
Baboo B, R Sagar, SS Bargali and H Verma	Tree species composition, regeneration and diversity within the protected area of Indian dry tropical forest.	<i>Tropical Ecology</i> , 58(3), 409-423.	2017
Pantola S, Vibhuti,	Screening of three leguminous crops for	<i>Indian Journal of</i>	2017

K Bargali and SS Bargali	drought stress tolerance at germination and seedling growth stage	<i>Agricultural Sciences</i> , 87(4), 467-472.	
Padalia Kirtika, Kiran Bargali, SS Bargali	Present scenario of agriculture and its allied occupation in a typical hill village of Central Himalaya, India.	<i>Indian Journal of Agricultural Sciences</i> 87 (1), 132-141.	2017
Pandey R, K Bargali, SS Bargali	<u>Does seed size affect water stress tolerance in <i>Quercus leucotrichophora</i> A. Camus at germination and early seedling growth stage?</u>	<i>Biodiversity International Journal</i> , 1 (1), 24-30. https://doi.org/10.15406/bij.2017.01.00005	2017
Misra S, AK Srivastava, S Verma, S Pandey, SS Bargali , TS Rana, NK Nair	Phenetic and genetic diversity in Indian Luffa (Cucurbitaceae) inferred from morphometric, ISSR and DAMD markers.	<i>Genetic Resources and Crop Evolution</i> , 64(5), 995-1010. https://doi.org/10.1007/s10722-016-0420-1	2017
Behera SK, N Sahu, AK Mishra, SS Bargali , MD Behra and R Tuli	Aboveground biomass and carbon stock assessment in Indian tropical deciduous forest and relationship with stand structural attributes.	<i>Ecological Engineering</i> 99, 513-524.	2017
Awasthi P, H Karki, Vibhuti, K Bargali and SS Bargali	Germination and Seedling Growth of Pulse Crop (<i>Vigna</i> Spp.) as affected by soil salt stress.	<i>Current Agriculture Research Journal</i> Vol. 4(2), 159-170.	2016
Raj A, MK Jhariya and SS Bargali .	Bund Based Agroforestry Using <i>Eucalyptus</i> Species: A Review.	<i>Current Agriculture Research Journal</i> Vol. 4(2) 148-158.	2016
Karki Himani, Pratima Rana, Kiran Bargali, S.S. Bargali And Y.S. Rawat	Effect of Biotic Disturbances on Herbaceous Vegetation in Cypress Mixed Oak Forests of Central Himalaya, India.	<i>Current World Environment</i> 11(2), 413-422.	2016
Pande PC, Vibhuti, P Awasthi, K Bargali and SS Bargali	Agro-Biodiversity of Kumaun Himalaya, India: A Review.	<i>Current Agriculture Research Journal</i> , 4(1), 16-34.	2016
Jhariya MK, BH Kittur and SS Bargali	Assessment of herbaceous biomass: A study in Rowghat mining areas of Chhattisgarh, India.	<i>Journal of Applied and Natural Science</i> , 8 (2), 645 - 651.	2016
Maletha A, RK Maikhuri and SS Bargali .	Total utility values and extraction of some ecologically important plant species in the timberline zone of NDBR, Uttarakhand, Western Himalaya.	<i>International Journal of Advanced Research</i> , 4 (5), 357-363.	2016
Bargali K and SS Bargali	Germination capacity of seeds of leguminous plants under water deficit conditions: implication for restoration of	<i>Tropical Ecology</i> , 57(3), 445-453.	2016

	degraded lands in Kumaun Himalaya.		
Gosain BG, GCS Negi, PP Dhyani, SS Bargali and R Saxena	Ecosystem services of forests: Carbon Stock in vegetation and soil components in a watershed of Kumaun Himalaya, India.	<i>International Journal of Ecology and Environmental Science</i> , 41 (3-4), 177-188.	2015
Bargali K, NR Maurya and SS Bargali	Effect of a Nitrogen-fixing Actinorhizal Shrub on Herbaceous Vegetation in a Mixed Conifer Forest of Central Himalaya.	<i>Current World Environment</i> , 10(3), 957-966.	2015
Shahi C, Vibhuti, K Bargali and SS Bargali	Influence of seed size and salt stress on seed germination and seedling growth of wheat (<i>Triticum aestivum</i> L.).	<i>Indian Journal of Agricultural Sciences</i> , 85(9), 1134-1137.	2015
Bargali Kiran and SS Bargali	Growth versus storage in <i>Quercus leucotrichophora</i> and <i>Pinus roxburghii</i> seedlings in response to changes in nutrient and water availability.	<i>Current World Environment</i> , 10(2), 494-499.	2015
Kumar A, O Bajpai, AK Mishra, N Sahu, SK Behera, SS Bargali and LB Chaudhary	A checklist of the flowering plants of Katarniaghat Wildlife Sanctuary, Uttar Pradesh, India.	<i>Journal of Threatened Taxa</i> , 7(7), 7309-7408.	2015
Shahi Charu, Vibhuti, Kiran Bargali and SS Bargali	How Seed Size and Water Stress affect the Seed Germination and Seedling Growth in Wheat Varieties?	<i>Current Agriculture Research Journal</i> , 3(1), 60-68.	2015
Vibhuti, Charu Shahi, Kiran Bargali and SS Bargali	Assessment of salt stress tolerance in three varieties of rice (<i>Oryza sativa</i> L.).	<i>Journal of Progressive Agriculture</i> , 6 (1), 50-56.	2015
Parihaar RS, K Bargali and SS Bargali	Status of an indigenous agroforestry system: a case study in Kumaun Himalaya, India..	<i>Indian Journal of Agricultural Sciences</i> , 85(3), 442-447.	2015
Bargali K, V Manral and SS Bargali .	Weight loss patterns in decomposing litter of <i>Coriaria nepalensis</i> , an actinorhizal shrub from degraded land.	<i>Indian Journal of Agricultural Sciences</i> , 85(2), 270-273.	2015
Bargali SS , K Shukla, L Singh, L Ghosh and ML Lakhera	Leaf litter decomposition and nutrient dynamics in four tree species of Dry Deciduous Forest.	<i>Tropical Ecology</i> , 56(2), 57-66.	2015
Vibhuti, C Shahi, K Bargali and SS Bargali	Seed germination and seedling growth parameters of rice (<i>Oryza sativa</i> L.) varieties as affected by salt and water stress.	<i>Indian Journal of Agricultural Sciences</i> , 85(1), 102-108.	2015
Padalia K, K Bargali, SS Bargali	How does traditional home-gardens support ethnomedicinal values in Kumaun Himalayan bhabhar belt,	<i>African Journal of Traditional, Complementary &</i>	2015

	India?	<i>Alternative medicines</i> , 12(6), 100-112.	
Rana Sumita, Kiran Bargali, SS Bargali	Assessment of plant diversity, regeneration status, biomass and carbon stock in a Central Himalayan cypress forest.	<i>International Journal of Biodiversity & Conservation</i> 7(6), 321-329.	2015
Bargali K, B Joshi, SS Bargali and SP Singh	Oaks and the Biodiversity They Sustain.	<i>International Oaks</i> , 26, 65-76.	2015
Parihaar RS, Kiran Bargali and SS Bargali	Diversity and uses of Ethno-medicinal plants associated with traditional agroforestry systems in Kumaun Himalaya.	<i>Indian Journal of Agricultural Sciences</i> , 84(12), 1470-1476.	2014
Shahi C, A Sharma, K Bargali and SS Bargali	Effect of disturbance gradient on forest floor biomass in natural forest ecosystems in and around Nainital.	<i>The Ecscan</i> , 8(1&2), 163-168.	2014
Bargali SS , VP Pandey and K Bargali	Floral composition and diversity pattern in open and closed Dry Deciduous Forest.	<i>Vegetos</i> , 27(2), 149-157.	2014
Sharma A, Charu Shahi, K Bargali, SS Bargali and YS Rawat	Biomass and carbon stock in <i>Drepanostachyum falcatum</i> (nees.) associated with oak forests at and around Nainital.	<i>The Ecscan</i> , 8(1&2), 105-108.	2014
Jhariya MK, SS Bargali , SL Swamy, B Kittur, K Bargali and GV Pawar	Impact of forest fire on biomass and Carbon storage pattern of Tropical Deciduous Forests in Boramdeo Wildlife Sanctuary, Chhattisgarh.	<i>International Journal of Ecology and Environmental Science</i> , 40(1), 57-74.	2014
Kittur B, SL Swamy, SS Bargali and MK Jhariya	Wildland Fires and Moist Deciduous Forests of Chhattisgarh, India: Divergent Component Assessment.	<i>Journal of Forestry Research</i> , 25(4), 857-866.	2014
Bargali K, B Joshi, SS Bargali and SP Singh	Diversity within Oaks.	<i>International Oaks</i> , 25, 57-70.	2014
Kittur B and SS Bargali	Perspectives of agroforestry: Present and future facets.	<i>Journal of Progressive Agriculture</i> , 4 (2), 91-94.	2013
Jhariya MK, SS Bargali , SL Swamy, and PR Oraon	Herbaceous diversity in Rowghat, Narayanpur District of Chhattisgarh, India.	<i>Journal of Plant Development Sciences</i> , 5 (4), 385-393.	2013
Parihaar RS, K	Ecological attributes of some invasive	<i>Journal of Plant</i>	2013

Bargali and SS Bargali .	plant species of Jhirna Range in Corbett National Park Ramnagar, Uttarakhand.	<i>Development Sciences</i> , 5 (4), 447-45.	
Lodhiyal LS, N Lodhiyal, K Bargali and SS Bargali	Forest conservation and management practices in Uttarakhand.	<i>ENVIS Bulletin on Himalayan Ecology</i> , 20, 30-32.	2012
Bargali SS , S Yadav and K Padalia	Forest Fire – a threat or a problem for Biodiversity conservation.	<i>Oaks</i> , 8, 75-86.	2012
Jhariya MK, SS Bargali , Swamy and B Kittur	Vegetational structure, diversity and fuel load in fire affected areas of Tropical Dry Deciduous forests in Chhattisgarh.	<i>Vegetos</i> , 25(1), 210-224.	2012
Bargali K and SS Bargali	Mycorrhizal inoculation effect on growth responses and dry mass production of <i>Mimosa himalayana</i> Gamble seedlings.	<i>Journal of Plant Development Sciences</i> , 4(1), 69-72.	2012
Bargali K, SS Bargali and YS Rawat	Carbon stock and shade tolerance in seedlings of some early and late successional tree species of Central Himalaya.	<i>Journal of Environmental Engineering</i> .	2012
Lodhiyal Neelu, LS Lodhiyal and SS Bargali	Significance of forest ecosystem services in conservation and sustainable development.	<i>OAKS</i> , 7, 41- 45.	2011
Singh J, Rekha Singh, SS Bargali and Sarita Sahu	Cultivating <i>Colocasia</i> for food security.	<i>OAKS</i> , 7, 37-40.	2011
Arora VPS, SS Bargali and JS Rawat	Climate change: challenges, impacts, and role of biotechnology in mitigation and adaptation.	<i>Progressive Agriculture</i> , 11, 8-15.	2011
Pandey K, SS Bargali and SS Kolhe	Adoption of technology by rural women in rice based agroecosystem	<i>International Rice Research Notes</i> , 36, 1-4.	2011.
Mishra A, SL Swamy, SS Bargali and AK Singh	Tree growth, biomass and productivity of wheat under five promising clones of <i>Populus deltoids</i> .	<i>International Journal of Ecology and Environmental Sciences</i> , 36(2-3), 167-174.	2010
Swamy SL, CBS, Dutt, MSR Murthy, Alka Mishra and SS Bargali	Floristics and Dry matter dynamics of Tropical Wet Evergreen Forests of Western Ghats, India.	<i>Current Science</i> , 99 (3), 353-364.	2010
Rathiya PS, R Lakpale, GK Shrivastava and SS Bargali	Effect of nutrient blending with FYM on biomass production and economics under hybrid cotton-soybean intercropping system.	<i>Journal of Plant Development Sciences</i> , 2(1&2), 9-18.	2010

Bargali SS, K Bargali, L Singh, L Ghosh and ML Lakhera	<i>Acacia nilotica</i> based traditional agroforestry system: effect on paddy crop and management.	<i>Current Science</i> , 96 (4), 581-587.	2009
Bargali K and SS Bargali	Effect of phosphorus nutrition on growth and mycorrhizal dependency of <i>Coriaria nepalensis</i> seedlings.	<i>Nature and Science</i> , 7(6), 19-24.	2009
Bargali SS, K Pandey, Lalji Singh and SK Shrivastava	Participation of rural women in rice based agroecosystem	<i>International Rice Research Notes</i> , 33 (1), 1-2.	2009
Bargali K and SS Bargali	<i>Acacia nilotica</i> : a multipurpose leguminous plant.	<i>Nature and Science</i> , 7(4), 11-19.	2009
Singh L, L Ghosh, SS Bargali and RR Saxena	Influence of naturally occurring trees on field bunds and their impact on yield parameters of paddy crop.	<i>Range Management & Agroforestry</i> , 29(2), 134-137.	2008
Singh L, L Ghosh, SS Bargali and RR Saxena	Response of paddy planted under <i>Butea monosperma</i> trees in Chhattisgarh.	<i>International Journal of Ecology and Environmental Sciences</i> , 34(1), 63-66.	2008
Singh SP, JR Patel, SK Shrivastava, and SS Bargali	Rice production constraints in district Durg of Chhattisgarh plains.	<i>Journal of Maharashtra Agricultural Universities</i> , 33(1), 111-113.	2008
Singh L, A Singh, SS Bargali and VP Upadhyay	Leaf litter decomposition and nutrient release pattern in multipurpose tree species of central India.	<i>Journal of Basic and Applied Biology</i> , 1(4), 14-21.	2007
Singh SP, SK Shrivastava, SS Kolhe, JR Patel and SS Bargali	Prospects of biofertilizers and organic manure utilization: a case study from Durg district.	<i>Agricultural Science Digest</i> , 27(3), 157-161.	2007
Singh SP, SS Bargali, JR Patel and RN Singh	Technique of rice (<i>Oriza sativa</i>) seed selection in salt solution- an evaluation under real farm situation.	<i>Environment and Ecology</i> , 255(2), 461-463.	2007
Pandey K, A Verma and SS Bargali	Assessment of training adoption and preserved materials of tomato for the economic uplift of rural women	<i>Bhartiya Krishi Anusandhan Patrika</i> , 22(1), 76-80.	2007
Bargali SS, CB Pandey and DK Sharma	Weight loss and nitrogen release pattern in leaf and wood litter of <i>Gliricidia sepium</i> (Jacq.)Walp.	<i>Bulletin of National Institute Ecology</i> , 17, 25-29.	2006
Singh L, S Puri and SS Bargali.	Biodiversity and importance of some lesser- known woody species of Moist Deciduous Forest of Achanakmar-	<i>The Botanica</i> , 56, 97-103.	2006

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Pandey K, SS Bargali and SK Shrivastava		Comparative study on low cost traditional methods and advance technology for safe storage of gram seeds.	<i>Environment and Ecology</i> , 24S (4), 1202-1203.	2006
Singh L, SS Bargali , S Puri and L Ghosh		For sustainable development ...Cultivating <i>Jatropha</i> : a promising green fuel- and raw material- yielding plant.	<i>Indian Horticulture</i> , 51 (5), 13-15.	2006
Pandey K, N Pathak, SS Bargali and SK Shrivastava		Experiment on preservation of vegetables on farmwomen's field and its assessment.	<i>Bhartiya Krishi Anusandhan Patrika</i> , 21(2), 178-183.	2006
Singh SP, SK Shrivastava, JR Patel and SS Bargali		Impact of Front Line Demonstrations on rice for technological dissemination in district Durg..	<i>Environment and Ecology</i> , 24 S (2), 482-483.	2006
Pandey C B, D K Sharma and S S Bargali		Decomposition and nitrogen release from <i>Leucaena leucociphala</i> in Central India.	<i>Tropical Ecology</i> , 47(1), 149-151.	2006
Shrivastava SK and SS Bargali		<i>Pongamia glabra</i> Vent. A multipurpose tree of tropical forest.	<i>The Botanica</i> , 55, 117-132.	2005
Pandey K, N Pathak, SK Shrivastava SS Bargali and A Verma		Experiment on safe seed storage of paddy on the farmwomen's field.	<i>Bhartiya Krishi Anusandhan Patrika</i> , 20, (2&3) 58-62.	2005
Bargali K, SS Bargali and SP Singh		Growth and competition between <i>Pinus roxburghii</i> and <i>Quercus leucotrichophora</i> seedlings as affected by nutrient and moisture availability.	<i>Bulletin of National Institute Ecology</i> , 15, 180-190.	2005
Bargali SS , SP Singh, SK Shrivastava and SS Kolhe		Forestry plantations on rice bunds: Farmers' perceptions and technology adoption.	<i>International Rice Research Notes</i> , 32(2), 40-41.	2007
Bargali K and SS Bargali		Growth of <i>Acer oblongum</i> Wall. Seedlings in relation to resource availability.	<i>Nepal Journal of Forestry</i> 15(3), 25-31	2005
Bargali SS , SP Singh and KS Pandya		Effects of <i>Acacia nilotica</i> on gram crop in a traditional agroforestry system of Chhattisgarh plains.	<i>International Journal of Ecology and Environmental Sciences</i> , 30(4), 363-368.	2004
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Shrivastava, VK Dixit and K Bargali	plants of Jagdalpur district of Chhattisgarh state.	192-197	
Bargali SS and SK Shrivastava	Exploration of valuable medicinal vegetal wealth from tribal belt of Bastar district in Chhattisgarh.	<i>The Botanica</i> , 52, 75-82.	2002
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Bargali K and SS Bargali	Nutrient utilization efficiencies of two Central Himalayan tree species.	<i>Journal of Tropical Forest Science</i> , 12(3), 450-458	2000
Usman S, SP Singh, YS Rawat and SS Bargali	Fine root decomposition and nitrogen mineralization patterns in <i>Quercus leucotrichophora</i> and <i>Pinus roxburghii</i> forests in Central Himalaya.	<i>Forest Ecology and Management</i> , 131, 191-199	2000
Bargali SS and K Bargali	Variation in the major element content in <i>Eucalyptus tereticornis</i> foliage with season, crown position and plantation age.	<i>Indian Journal of Ecology</i> , 26 (2), 106 –112.	1999
Bargali K and SS Bargali	Comparative growth response of two contrasting species of Central Himalaya in relation to light and nutrient availability.	<i>Journal of Environmental Biology</i> , 20 (2), 183-187.	1999
Bargali K, SS Bargali and RP Singh	Ecological relationship of <i>Bidens biternata</i> and <i>Galingsonga ciliata</i> in open and closed habitats.	<i>Indian Journal of Ecology</i> , 25 (2), 107-113.	1998
Bargali SS and RP Singh	<i>Pinus patula</i> plantations in Kumaun Himalaya II. Nutrient dynamics.	<i>Journal of Tropical Forest Science</i> , 10(1), 101-104.	1997
Bargali SS and RP Singh	<i>Pinus patula</i> plantations in Kumaun Himalaya. I. Dry matter dynamics.	<i>Journal of Tropical Forest Science</i> , 9(4), 526-535.	1997
Joshi Mukesh, Kiran Bargali and SS Bargali	Changes in physico- chemical properties and metabolic activity of soil in popular plantations replacing natural broad leaved forests.	<i>Journal of Arid Environment</i> , 35, 161-169.	1997
Bargali SS	Weight loss and nitrogen release in decomposing wood litter in an age series of eucalypt plantation..	<i>Soil Biology and Biochemistry</i> , 28, 699-702	1996
Zobel DB, J Ram and SS Bargali	Structural and physiological changes in <i>Quercus leucotrichophora</i> and <i>Pinus roxburghii</i> associated with stand disturbance in the Kumaun Himalaya, India.	<i>International Journal of Ecology and Environmental Sciences</i> , 21, 45-66.	1995
Bargali SS and SP Singh	Dry matter dynamics, storage and flux of nutrients in an aged eucalypt plantation in Central Himalaya.	<i>Oecologia Montana</i> , 4, 9 - 14.	1995
Bargali SS	Litter fall, nutrient return and leaf decomposition in an age series of eucalypts in Central Himalaya.	<i>Oecologia Montana</i> , 4, 31-38.	1995
Bargali SS	Efficiency of nutrient utilization in an age series of <i>Eucalyptus tereticornis</i>	<i>Journal of Tropical Forest Science</i> , 7(3),	1995

	plantations in the tarai belt of Central Himalaya.	383-390.	
Bargali SS	Forest floor development in <i>Eucalyptus tereticornis</i> Sm. plantations in a part of Central Himalayan tarai belt.	<i>Range Management and Agroforestry</i> , 15 (1), 61-68.	1994
Pathak MC, SS Bargali and YS Rawat	Analysis of woody vegetation in a high elevation oak forest of Central Himalaya.	<i>The Indian Forester</i> , 119(9), 722-731.	1993
Bargali SS , SP Singh and RP Singh	Pattern of weight loss and nutrient release in decomposing leaf litter in an age series of eucalypt plantations.	<i>Soil Biology and Biochemistry</i> , 25, 1731-1738.	1993
Joshi M and SS Bargali	Root respiration: Effect of biomass and moisture.	<i>Environment and Ecology</i> , 10(4), 930-933.	1992
Joshi M and SS Bargali	Certain microclimatic features under oak, conifer and mixed oak conifer canopies in parts of Kumaun Himalaya.	<i>Environment and Ecology</i> , 10(4), 874-877.	1992
Joshi Mukesh and SS Bargali	Floristic composition and life forms of relatively undisturbed and disturbed <i>Quercus floribunda</i> Lindl. forests in Central Himalaya.	<i>Journal of Ecobiology</i> , 4(3), 183-186.	1992
Bargali SS , RP Singh and Mukesh Joshi	Changes in soil characteristics in eucalypt plantations replacing natural broad leaved forests.	<i>Journal of Vegetation Science</i> , 4, 25-28.	1993
Bargali SS , Mukesh Joshi and Kiran Bargali	Seasonal pattern of total soil respiration in age series of eucalypt plantation and mixed broad-leaved forest in tarai belt of Kumaun Himalaya.	<i>Oecologia Montana</i> , 2, 7-11.	1992
Bargali SS , RP Singh and SP Singh	Structure and function of an age series of eucalypt plantations in Central Himalaya, II. Nutrient dynamics.	<i>Annals of Botany</i> , 69, 413-421.	1992
Bargali SS , SP Singh and RP Singh	Structure and function of an age series of eucalypt plantations in Central Himalaya, I. Dry matter dynamics.	<i>Annals of Botany</i> , 69, 405-411.	1992
Bargali SS and SP Singh	Aspect of productivity and nutrient cycling in an 8-year old <i>Eucalyptus</i> plantation in a moist plain area adjacent to Central Himalaya, India.	<i>Canadian Journal of Forest Research</i> , 21, 1365-1372.	1991
Chandra R, VP Upadhyay and SS Bargali	Analysis of herbaceous vegetation under oak and pine forests of Central Himalaya.	<i>Environment & Ecology</i> , 7, 521-525.	1989
Rikhari HC and SS Bargali	Shrub layer composition in different forest ecosystems of Kumaun Himalaya.	<i>Vegetos</i> , 2(2), 195-200.	1989
Bargali SS , BS Rana, HC Rikhari and RP Singh	Population structure of Central Himalayan blue pine (<i>Pinus wallichiana</i>) forest.	<i>Environment and Ecology</i> , 7, 431-436.	1989

b) Books (start from recent publications)(add row if required)

Authors name	Title of the book	Publisher	ISBN	Year
Banerjee A, Jhariya MK, Bargali SS and Palit D	Ecorestoration for Sustainability	Scrivener & Wiley	9781119879718	2023

c) Book chapters (start from recent publications)(add row if required)

Authors name	Title of the book	Publisher	ISBN	Year
Banerjee A, MK Jhariya, SS Bargali , D Palit	Ecorestoration for environmental sustainability-An introductory framework: In Ecorestoration for Sustainability, (Eds Banerjee A, Jhariya MK, Bargali SS and Palit D),	Scrivener & Wiley	9781119879718	2023
Raj A, MK Jhariya, A Banerjee, BH Kittur, SS Bargali , K Bargali, S Nema.	Forest biodiversity conservation and restoration: Policies, plan and approaches: In Ecorestoration for Sustainability. (Eds Banerjee A, Jhariya MK, Bargali SS and Palit D),	Scrivener Publishing LLC. pp. 317-350.	9781119879718	2023
Raj A, M Jhariya, N Khan, SS Bargali , Ghanshyam and A Devi pp. 43-60.	Impact of Deforestation on Faunal Diversity and Its Management Strategies: In Land Degradation Neutrality: Achieving SDG 15 by Forest Management. (Eds. Meena R.S., Rao, C.S. and Kumar, A.) https://doi.org/10.1007/978-981-19-5478-8-3	Springer, Singapore.	978-981-19-5477-1	2022
Jhariya M, A Raj, A Banerjee, RS Meena, SS Bargali , S Sihag, S Nema, Poonam and P Oraon	Plan and Policies for Soil Organic Carbon Management Under Agroforestry System. In: Plants and Policies for Soil Organic Carbon Management in Agriculture (Eds. RS Meena, CS Rao and A Kumar) https://doi.org/10.1007/978-981-19-6179-3-8	Springer, Singapore, pp. 191-219.		2022
Shahi C, SS Bargali and K Bargali	Effects of size and altitude on plant diversity in agroecosystems of Kumaun Himalaya, India. In: Sustainable Agriculture.	Shrinkhala Publishing House, Ayodhya, U. P, pp. 38-51.		2019
Raj A, MK Jhariya, SS Bargali (Climate Smart Agriculture and Carbon Sequestration In: Climate Change and Agroforestry: Adaptation Mitigation and Livelihood Security (Eds: C.B. Pandey, Mahesh Kumar Gaur, R.K. Goyal)	New India Publishing Agency, New Delhi, India, pp. 1-19.		2018

Bargali K, Vibhuti and SS Bargali	Livestock management by rural women to sustain homegarden agroforestry systems in Kumaun Himalaya. In: <i>Sustainable Development in Indian Himalayan region: Prospects and Challenges</i> . (Eds: A. Joshi and N. Ruwali	Jagdamba Publishing Company, New Delhi, pp. 285-296.		2016
Jhariya MK, SS Bargali and Abhishek Raj	Possibilities and Perspectives of Agroforestry in Chhattisgarh. In; <i>Precious Forests - Precious Earth</i> (Ed.Miodrag Zlatic),	Publisher-INTECH, pp. 237-257.		2015
Bargali SS , M Joshi, K Bargali and S Chandra	Folk art and human adjustment with plant life in Central Himalaya. In: <i>Glimpses of Central Himalaya: A Socio economic and ecological perspectives</i> . (Eds: B.R. Pant and M.C. Pant)	Radha Publications New Delhi, pp. 398-421.		1994
Bargali SS , JC Tewari, YS Rawat and SP Singh	Woody vegetation in high elevation blue-pine mixed oak forest of Kumaun Himalaya, India. In: <i>Western Himalaya: Environment, Problems and Development</i> . (Eds. Y. P. S. Pangty and S. C. Joshi)	Gyanodaya Prakashan, Nainital, pp. 121-155.		1987

d) Conference Publications/Proceedings (start from recent publications)(**add row if required**)

Authors name	Title of the paper	Conference name	Year
Bargali K, RS Parihaar and SS Bargali	Traditional agroforestry systems practiced in Kumaun Himalaya, India.	<i>Proceedings of climate change: Social-Economic and Environment Issues-Problem and Challenges</i> .	2015
Bargali SS	Comparative study of nutrient accumulation ratios of leaf to wood in <i>Eucalyptus</i> and other forests and plantations of adjacent areas.	Proceeding of the <i>Integrated management of Plant resources</i> . Scientific Publishers, Jodhpur.	2000
Tripathi BC, HC Rikhari, SS Bargali and YS Rawat	Species composition and regeneration in disturbed forest sites in the oak zone in and around Nainital.	<i>Proceedings of Indian National Science Academy</i> .	1991

Projects (add row if required)

Title of the project	Funding agency	Amount (Rs)	Year
Effect of traditional agroforestry systems on different crops in Chhattisgarh plains	ICAR		2001-2006
Impact of Land Use on Vegetation and Soil Carbon, Net Primary Productivity and Nitrogen Budget in Tropical Dry Deciduous Forest of Barnawapara Wildlife Sanctuary	MOEn & F, New Delhi		2006-2009

Domestication and commercialization of high quality plant material of <i>Jatropha curcus</i>	DBT, New Delhi		2005-2008
Development of National Forest fire danger rating and ecological damage assessment using multi-sensor satellite data and ground based data	NRSA, Hyderabad		2009-2012
Assessment of structure and diversity of herbaceous flora in mining area of Rawghat, Chhattisgarh	BSP, Bhilai (CG)		2009-2011
Carbon sequestration potential of agroforestry systems in Kumaun Himalaya: implication for climate change mitigation	UGC, New Delhi		2012-2014
The role of rural women in Home garden agro forestry system in Kumaun Himalaya	ICSSR, New Delhi		2014-2016
Contribution of Homegarden agroforestry to livelihood of rural Farmers in Nainital, Uttarakhand	UGC, New Delhi		2015-2018
Invasion biology of <i>Ageratina adenophora</i> and solutions for restoring ecosystem processes in Kumaun Himalaya, Uttarakhand	DST, New Delhi		2020- 2023

Teaching details (add row if required)

Name of the course/paper	Department	University	Year
Gymnosperms and Paleobotany	Botany	Kumaun University, Nainital	2011-onwards
Global Climate Change	Botany	Kumaun University, Nainital	2011-onwards
Plant Ecology	Botany	Kumaun University, Nainital	2011-onwards
Plant Resource Utilization and Conservation	Botany	Kumaun University, Nainital	2011-onwards
Forest Ecology	Botany	Kumaun University, Nainital	2011-onwards
Forest Ecology	Forestry	Indira Gandhi Krishi Vishwavidyalaya, Raipur (CG)	2006-2011

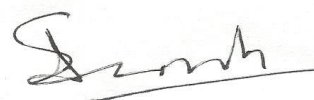
Professional Memberships (add row if required)

Organization	Position	Year
National Institute of Ecology	Life member	
Delhi University Botanical Society	Life member	
The American Biographical Institute	Member Research Board of Advisors	
Bhartiya Krishi Anusandhan Samiti	Life member	
Bhartiya Krishi Anusandhan Patrika	Member, Editorial Board	2005-2007
The Indian Science Congress Association	Life member	
<i>Journal of Agricultural Extension and Rural Development</i>	Member, Editorial team	
OAKS, Department of Botany, Kumaun University, Nainital	Life member	
Society for Plant Research	Life member	
Advisory Committee of ENVIS centre in GBPNIHESD, Kosi-Katarmel, Almora	Chairman	
Current Agriculture Research	Co-Chief Editor	up to May

Journal		2022
International <i>Journal of Plant & Soil Sciences</i>	Academic Editor	
<i>Bionature</i>	Academic Editor	
<i>Current Trends in Forest Research</i>	Editor	
<i>Journal of Environmental Biology</i>	Co- Editor	
<i>Current Agriculture Research Journal</i>	Chief- in- Editor	
<i>Sustainability</i>	Editor	from June 2022

Honours and Awards (add row if required)

Award	Awarding Organization	Year
Best research paper award	IGKV & CG Govt., Raipur	2008
Letter of Appreciation for overall performance in the Academics	Dean Faculty / College of Agriculture, IGKV, Raipur (CG)-	2009
Letter of Appreciation for overall performance in the Academics	Dean Faculty / College of Agriculture, IGKV, Raipur (CG)-	2010
Letter of Appreciation for overall performance in the Academics	Dean Faculty / College of Agriculture, IGKV, Raipur (CG)-	2011
Certificate of Excellence for the outstanding contribution in the field of Ecology	National Institute of Ecology	2022
Prof. K.S. Valdiya Research Award for impact factor of research articles (more than 10 in 2022)	Kumaun University, Nainital	2023



Signature of the faculty member