

FACULTY PROFILE

1. Name: DR (MRS) KIRAN BARGALI

2. Designation: ASSOCIATE PROFESSOR

3. Qualification: M.Sc., Ph.D

4. Area of Specialization/Research: Field: Ecology

5. Awards/Recognitions:

Sl.No	Name of Award	Awarding Agency	Year
1.	Research Associate	CSIR, New Delhi	1992-1997
2.	Senior Research Associate	CSIR, New Delhi	1997-2000
3.	Young Scientist	DST, New Delhi	2002-2005
4.	Certificate of Merit	Indian Botanical Society	2005
5.	S.K. Seth Prize	The Indian Forester	2015

6. Number of Research projects:

i) Completed

S.N.	Title of the project	Funding Agency	Amount (Rs.)	Year (From-to)
1	Dual symbiosis in nitrogen fixing plants as a biological tool for the recovery of degraded forest ecosystems in Kumaun Himalaya.	DST, New Delhi	10.0 lakh	2002 to 2005
2	Assessment of arbuscular mycorrhiza in degraded land area and their implication for reclamation	UGC, New Delhi	0.70 lakh	2007-2009
3.	Carbon sequestration potential of agroforestry systems in Kumaun Himalaya: implication for climate change mitigation.	UGC, New Delhi	1.90lakh	2012-2014
4.	Role of rural women in homegarden agroforestry systems in Kumaun Himalaya	ICSSR, New Delhi	7 lakh	2014- 2015
5.	Contribution of homegarden agroforestry in rural livelihood in Nainital, Uttarakhand	UGC, New Delhi	11.27 lakh	2015-2018

ii) On-going

Sl. No.	Title of the project	Funding Agency	Amount	Date of Commencement	Expected date of completion
1	Invasion biology of <i>Ageratina adenophora</i> and solutions for restoring ecosystem processes in Kumaun Himalaya, Uttarakhand	DST, New Delhi	46.23 lakh	June 2020	May 2023

7. Number of Ph. D candidates successfully completed: 08

8. Number of Ph. D candidates currently working::05

9. Publications:

i) Books

Sl. No.	Co-Author/s	Title	Publisher	Year of publication
1	Jagdish Chandra, Sudhir Chandra, Y.P.S. Pangtey	<i>Ethnobotanical study of a Kumauni festival: Harela</i>	Bishan Singh Mahendra Pal Singh Publication Dehradun	2005
	Balwant Kumar, Sudhir Chandra, Y.P.S. Pangtey	<i>Ethnobotany of Religious practices in Kumaun: Havan</i>	Bishan Singh Mahendra Pal Singh Publication Dehradun	2007

ii) Research Articles published in journals

1. **Kiran Bisht** 1991. Effects of soil nutrient and water on root: shoot ratios in *Quercus leucotrichophora* A. Camus and *Pinus roxburghii* Sarg. Seedlings. *Environment and Ecology* 9: 842-846.
2. Mukesh Joshi and **Kiran Bisht** 1991. Carbon dioxide evolution from the floor of an oak (*Quercus floribunda* Lindl.)- ringal (*Arundinaria falcata* Nees.) community in Central Himalaya. *Environment and Ecology* 9:837-841.
3. **Kiran Bisht** 1992. Effect of soil nutrient and water supply on certain leaf characteristics of *Quercus leucotrichophora* seedlings. *Proceedings of Indian National Science Academy* 58: 57-62.
4. S.P. Singh and **Kiran Bisht** 1992. Nutrient utilization in *Quercus leucotrichophora* and *Pinus roxburghii* seedlings at five soil fertility levels. *Journal of Vegetation Science* 3: 575-578.
5. **Kiran Bisht** 1992. Growth behaviour and response breadths of tree seedlings on two-dimensional gradient of nutrient and moisture. *Environment and Ecology* 10:231-234.
6. **Kiran Bargali** 1992. The responses of *Pinus roxburghii* and *Quercus leucotrichophora* to nutrient application. *Oecologia Montana* 2:1-6.
7. S.S.Bargali, Mukesh Joshi and **Kiran Bargali** 1992. Seasonal pattern of total soil nutrient in an age series of Eucalypt plantations and mixed broad leaf forests in Tarai belt of Kumaun Himalaya. *Oecologia Montana* 2:7-11.
8. **Kiran Bisht** 1993. Growth of *Quercus leucotrichophora* A Camus and *Pinus roxburghii* Sarg. seedlings in relation to nutrient and water. *Proceedings of Indian National Science Academy* 59: 71- 78.
9. **Kiran Bargali** and S.P. Singh 1994. Effect of nutrient application on leaf longevity in tree seedlings: an experimental trial. *Journal of Tropical Forest Science* 6:323-331.
10. S.S. Bargali, Mukesh Joshi, **Kiran Bargali** and Sudhir Chandra 1995. Worship, folk art and human adjustment with plant life in Kumaun Himalaya. In: *Glimpses of*

Central Himalaya, a socio economic and ecological perspective. Radha Publication, New Delhi 2:398-421.

11. **Kiran Bargali** and S.P. Singh 1995. Competitive abilities of seedlings of an early and a late successional tree species of Central Himalaya grown along a light gradient. *Tropical Ecology* 36:237-247.
12. **Kiran Bargali** and S.P. Singh 1996. Competitive abilities of *Quercus leucotrichophora* and *Pinus roxburghii* seedlings in relation to experiments variations in soil moisture availability. *Tropical Ecology* 37:223-227.
13. **Kiran Bargali** and R.P. Singh 1996. Effect of light intensity on leaf characteristics of *Quercus leucotrichophora* seedlings. *Acta Botanica Indica* 24:135-137.
14. Mukesh Joshi, **Kiran Bargali** and S.S. Bargali 1997. Changes in physico-chemical properties and metabolic activity of soil in popular plantations replacing natural broad-leaved forests in Kumaun Himalaya. *Journal of Arid Environments* 35:161-169.
15. **Kiran Bargali** 1997. Leaf survival in relation to environmental stress, leaf and plant traits among *Quercus leucotrichophora* seedlings. *Journal of Environmental Biology* 18:383-390.
16. **Kiran Bargali** 1997. Role of light, moisture and nutrient in replacement of *Quercus leucotrichophora* by *Pinus roxburghii* in Central Himalaya. *Journal of Tropical Forest Science* 10:262-270.
17. **Kiran Bargali**, S.P. Singh and R.P. Singh 1998. Seed characteristics and germination behaviour of some early and late successional species on a nutrient gradient. *Indian Forester*. 124:247-251.
18. **Kiran Bargali**, S.S. Bargali and R.P. Singh 1998. Ecological relationships of *Bidens biternata* and *Galinsonga ciliata* in open and closed habitats. *Indian Journal of Ecology* 25:107-113.
19. **Kiran Bargali**, S Usman and Mukesh Joshi 1998. Effect of forest covers on certain site and soil characteristics in Kumaun Himalaya. *Indian Journal of Forestry* 21:224-227.
20. S.S. Bargali and **Kiran Bargali** 1999. Variation in the major element content of *Eucalyptus tereticornis* Sm foliage with season, crown position and plantation age. *Indian Journal of Ecology* 26: 106-112.
21. **Kiran Bargali** and S.S. Bargali 1999. Comparative growth response of two contrasting species of Central Himalaya in relation to light and nutrient availability. *Journal of Environmental Biology* 20: 183-187.
22. **Kiran Bargali** and S.P. Singh 1999. Lake catchments. In: *Nainital and Kumaun Himalayan Lakes*. *Bulletin National Institute of Ecology* 21-28.
23. **Kiran Bargali** and S.S. Bargali 2000. Nutrient utilization efficiencies of two Central Himalayan species. *Journal of Tropical Forest Science* 12(3): 450-458.
24. S.S. Bargali and **Kiran Bargali** 2000. Diversity and biomass of the understory vegetation in an age series of *Eucalyptus tereticornis* plantation. *International Journal of Ecology and Environmental Sciences* 26: 173-181.
25. **Kiran Bargali** and S P Singh 2001. Effect of nutrient application on some central Himalayan species from successional gradient, *Oecologia Montana* 10 (1-2): 9-12.
26. S.S. Bargali, S.K. Shrivastava, V.K. Dixit and **Kiran Bargali** 2003. Some less known Ethnomedicinal plants of Jagdalpur district of Chhattisgarh state. *The Botanica* 53: 1-6.
27. **Kiran Bargali**, B. Joshi and D. Goel 2004. Impact on soil characteristic and under storey vegetation of *Coriaria nepalensis* in natural landslide area. *Ecoprint* 10(1): 43-46.
28. **Kiran Bargali** and A. Tewari 2004. Growth and water relation parameters in drought stressed *Coriaria nepalensis* seedlings. *Journal of Arid Environment* 58:505-512.

29. Pande N, **Kiran Bargali** and S Joshi 2004. Effect of bryophytic extract on seed germination behaviour of *Indigofera heterantha* and *Impatiens scabrida*. *Journal of the Indian Botanical Society*. 83: 104-110.
30. **Kiran Bargali**, S S Bargali and S P Singh 2005. Growth and Competition between *Pinus roxburghii* and *Quercus leucotrochophora* Seedlings as Affected by Nutrient and Moisture availability. *Bulletin of NIE* 15: 181-190.
31. Neerja Pande, Shobha Rawat, **Kiran Bargali** and S.D. Tewari 2005. Diversity of bryophyte vegetation on *Aesculus indica* in Nainital. *Proceedings of the National Academy of Science* (Section B) Vol. 75 B (II): 135-140.
32. Singh, S.P., **Kiran Bargali**, A Joshi and S Chaudhry 2005. Nitrogen resorption in leaves of tree and shrub seedlings in response to increasing soil fertility. *Current Science* 89(2): 389-396.
33. **Kiran Bargali** 2005. Nursing effect of *Coriaria nepalensis* on *Pinus roxburghii* and *Cupressus torulosa* seedlings. *The Nepal journal of Forestry* 12 (3): 20-24.
34. **Kiran Bargali** and S S Bargali 2005. Growth of *Acer oblongum* Wall. Seedlings in relation to resource availability. *The Nepal journal of Forestry* 12 (3): 25-31.
35. **Kiran Bargali** 2005. Seed germination in four species of *Cassia* L. in response to different temperature conditions. *Journal of Current Science* 7 (2): 619-623.
36. Neerja Pande, **Kiran Bargali** and Rekha Sharma 2006. Some thalloid liverworts of Nainital. *The Botanica* Vol. 56: 1-8.
37. **Kiran Bargali** 2006. Response of *Indigofera heterantha* seedlings to inoculation with vesicular –arbuscular mycorrhizal fungi. *Proceedings of the National Academy of Science* Vol. 76 B (II): 373-376.
38. **Kiran Bargali** 2006. Forest resources of Uttaranchal with particular reference to medicinal plants and wild edibles. North zone Vice Chancellors' conference-2006, Kumaun University, Nainital Pp 31-34
42. **Kiran Bargali** and S.P.Singh 2007. Germination behaviour of some leguminous and actinorhizal plants of Himalaya: Effect of temperature and medium. *Tropical Ecology* 48 (1): 99-105.
43. Neerja Pande, **Kiran Bargali** and K.K. Alice 2008. Distribution and wood anatomy of dominant tree species of Nainital in relation to their ecological significance Plant science research in India: Challenges and prospects. Proceedings of National symposium, Botanical Survey of India pp. 221-234
44. Bargali S S, **Kiran Bargali**, Lalji Singh, L Ghosh and M L Lakhera 2009. *Acacia nilotica* based traditional agroforestry system: effect on paddy crop and management. *Current Science* 96 (4): 581-587.
45. **Kiran Bargali** and S.S.Bargali 2009. *Acacia nilotica*: a multipurpose leguminous plant. *Nature and Science* 7(4):11-19.
46. Sharma A, **Kiran Bargali** and N. Pande 2009. The allelopathic potential of bryophyte extract on seed germination and seedling growth of *Bidens biternata*. *Nature and Science* 7: 30-38.
47. **Kiran Bargali** and S. S. Bargali 2009. Effect of phosphorus nutrition on growth and mycorrhizal dependency of *Coriaria nepalensis* seedlings. *Nature and Science* 7(6): 19-24.
48. **Kiran Bargali** 2011. Actinorhizal plants of Kumaun Himalaya and their ecological significance. *African Journal of Plant Science* 5(7) : 401-406.
49. **Kiran Bargali**, S.S. Bargali and Y.S.Rawat. 2011. Carbon stock and shade tolerance in seedlings of some early and late successional tree species of Central Himalaya. *Science Journal of Environmental Engineering*.
50. **Kiran Bargali** 2011. Screening of Leguminous Plants for VAM Association and Their Role in Restoration of Degraded Lands *Journal of American Science*. 7(1): 7-11.

51. Rai I D, B S Adhikari, G S Rawat, **Kiran Bargali** 2012. Community Structure along Timberline Ecotone in Relation to Micro-topography and Disturbances in Western Himalaya *Notulae Scientia Biologicae* 4(2):41-52
52. **Kiran Bargali** and S S Bargali 2012. Mycorrhizal inoculation effect on growth responses and dry mass production of *Mimosa himalayana* Gamble seedlings. *Journal of Plant Development Sciences*, 4(1): 69-72.
53. Raksha Pande, **Kiran Bargali** and Neerja Pande. 2012. Effect of biotic disturbance on soil characteristics of a mixed- oak forest in Kumaun Himalaya. *Journal of Plant Development Sciences*, 4 (4): 453-457.
54. Bhatt, GD, P.S. Nagar, D. Tadvi, S.P.S. Kushwaha, S Nandy, **Kiran Bargali** 2012. Ethnobotanical practices associated with the tribal people : a case study from Dangas district, South Gujarat. *Oaks*, 29-38.
55. **Kiran Bargali**, Lodhiyal N, Kapkoti B and Parihaar R S 2013. Indigenous traditional knowledge on some medicinal plants from Kotabag block (Ramnagar), Nainital. *International Journal of Biology, Pharmacy and Allied Sciences* 2(1): 20-25.
56. **Kiran Bargali**, Priyanka Bisht, Abida Khan and Y.S. Rawat 2013. Diversity and regeneration status of tree species at Nainital Catchment, Uttarakhand, India *International Journal of Biodiversity and Conservation* 5(5): 270-280.
57. Bhatt, GD, S.P.S. Kushwaha, S Nandy, **Kiran Bargali** 2013. Vegetation types and land uses mapping in south gujarat using remote sensing and geographic information system. *International Journal of Advancement in Remote Sensing, GIS and Geography* 1(1): 20-31.
58. Prabha B. Dhondiyal, Neerja Pande and **Kiran Bargali** 2013. Antibiotic potential of *Lunularia cruciata* (L.) Dum ex. Lindb (bryophyta) of Kumaon Himalaya. *African Journal of Microbiology Research* 7(34): 4350-4354.
59. Bhatt, GD, S.P.S. Kushwaha, S Nandy, **Kiran Bargali**, D. Tadvi, P.S. Nagar, M. Daniel. 2013. Plant Richness Modelling in South Gujarat Using Remote Sensing and Geographic Information System. *The Indian Forester* 139 (9): 757-768.
60. Parihaar, RS, **Kiran Bargali**, SS Bargali 2013. Ecological attributes of some invasive plant species of Jhirna range in Corbett National Park, Ramnagar, Uttarakhand. *Journal of Plant Development Sciences* 5(4): 447-451.
61. **Kiran Bargali**, Beena Joshi, SS Bargali and S.P. Singh 2014. Diversity within oaks. *International Oaks* 25: 57-70.
62. Jhariya, M K, **S S Bargali**, S L Swamy, B Kittur, Kiran Bargali, GV Pawar 2014. Impact of forest fire on biomass and Carbon storage pattern of Tropical Deciduous Forests in Boramdeo Wildlife Sanctuary, Chhattisgarh. *International Journal of Ecology and Environmental Sciences*. 40(1): 57-74.
63. Raksha Pande, **Kiran Bargali**, Neerja Pande 2014. Impact of Biotic Disturbance on Population Structure and Regeneration Status of Tree Species in a Central Himalayan Mixed-Oak Forest, India. *Taiwan Journal of Forest Science*. 29(3): 179-192.
64. Bargali S S, V P Pandey and **Kiran Bargali** 2014. Floristic composition and diversity pattern along with disturbance gradient in Dry Deciduous Forests. *Vegetos* 27(2): 149-157.
65. Sharma Arti, Charu Sahi, **Kiran Bargali**, SS Bargali and YS Rawat 2014. Biomass and carbon stock of *Drepanostachyum falcatum* (nees.) associated with oak forests at and around Nainital. *The Ecoscan* 8(1&2): 105-108.
66. Parihaar RS, **Kiran Bargali** and SS Bargali 2014. Diversity and uses of Ethno-medicinal plants associated with traditional agroforestry systems in Kumaun Himalaya. *Indian Journal of Agricultural Sciences* 84(12): 1470-1476.
67. Shahi Charu, Arti Sharma, **Kiran Bargali** and SS Bargali. 2014. Effect of disturbance gradient on forest floor biomass in natural forest ecosystems in and around Nainital. *The Ecoscan* 8(1&2): 163-168.

68. Bhatt, G.D., S.P.S. Kushwaha and **Kiran Bargali** 2014. Remote sensing, GIS tools used to analyse the floristic diversity in South Gujarat, India. *International Journal of Innovative Research in Science, Engineering and Technology* 3(12): 18165-18176.
69. **Kiran Bargali**, Vijyeta Manral and S S Bargali 2015. Weight loss patterns in decomposing litter of *Coriaria nepalensis*, an actinorrhizal shrub from degraded land. *Indian Journal of Agricultural Sciences* 85(2):270-273.
70. **Kiran Bargali**, Beena Joshi, SS Bargali and S.P. Singh 2015. Oaks and the biodiversity they sustain. *International Oaks* 26:65-76.
71. Bhatt, G.D., S.P.S. Kushwaha, S. Nandy, **Kiran Bargali**, P.S. Nagar, D.M. Tadvi 2015. Analysis of fragmentation and disturbance regimes in south Gujarat forests, India using geospatial technology. *Tropical Ecology* 56(3): 275-288.
72. Vibhuti, Charu Shahi, **Kiran Bargali** and S.S. Bargali. 2015. Seed germination and seedling growth parameters of rice (*Oryza sativa*) varieties as affected by salt and water stress. *Indian Journal of Agricultural Sciences* 85(1): 102-108.
73. Rana Sumita, **Kiran Bargali**, SS Bargali 2015. Assessment of plant diversity, regeneration status, biomass and carbon stock in a Central Himalayan cypress forest. *International Journal of Biodiversity & Conservation* 7(6):321-329.
74. Parihaar RS, Kiran Bargali and **SS Bargali** 2015. Status of an indigenous agroforestry system: a case study in Kumaun Himalaya, India. *Indian Journal of Agricultural Sciences* 85(3):442-447.
75. Vibhuti, Charu Shahi, **Kiran Bargali** and S.S. Bargali 2015. Assessment of salt stress tolerance in three varieties of rice (*Oryza sativa* L.). *Journal of Progressive Agriculture* 6 (1), 50-56.
76. Shahi Charu, Vibhuti, **Kiran Bargali** and S.S. Bargali 2015. How Seed Size and Water Stress Effect the Seed Germination and Seedling Growth in Wheat Varieties? *Current Agriculture Research Journal* 3(1):60-68.
77. **Kiran Bargali** 2015. Comparative Participation of Rural Women in Agroforestry Home Gardens in Kumaun Himalaya, Uttarakhand, India. *Asian Journal of Agricultural Extension, Economics & Sociology* 6(1): 16-22.
78. **Kiran Bargali** and S.S. Bargali 2015. Growth versus storage in *Quercus leucotrichophora* and *Pinus roxburghii* seedlings in response to changes in nutrient and water availability. *Current World Environment* 10(2):494-499.
79. Padalia Kirtika, **Kiran Bargali**, SS Bargali 2015. How does traditional home-gardens support ethnomedicinal values in Kumaun Himalayan bhabhar belt, India? *African Journal of Traditional, Complementary & Alternative medicines*. 12(6): 100-112.
80. **Bargali Kiran** and S.S. Bargali 2015. Growth versus storage in *Quercus leucotrichophora* and *Pinus roxburghii* seedlings in response to changes in nutrient and water availability. *Current World Environment* 10(2):494-499.
81. **Bargali Kiran**, Vibhuti and Charu Shahi 2015. Contribution of Rural Women in Vegetable Cultivation in Homegardens of Nainital District, Kumaun Himalaya, India. *Current Agriculture Research Journal* 3(2): 90-100.
82. Shahi Charu, Vibhuti, **Kiran Bargali** and S.S. Bargali 2015. Influence of seed size and salt stress on seed germination and seedling growth of wheat (*Triticum aestivum* L.). *Indian Journal of Agricultural Sciences* 85(9): 1134-1137.
83. **Bargali Kiran**, Nidhi Rani Maurya and S.S. Bargali 2015. Effect of a Nitrogen-fixing Actinorrhizal Shrub on Herbaceous Vegetation in a Mixed Conifer Forest of Central Himalaya. *Current World Environment* 10(3): 957-966
84. **Bargali Kiran** and SS Bargali 2016. Germination capacity of seeds of leguminous plants under water deficit conditions: implication for restoration of degraded lands in Kumaun Himalaya. *Tropical Ecology* 57(3): 445-453.
85. Pande PC, Vibhuti, Pankaj Awasthi, **Kiran Bargali** and SS Bargali 2016. Agro-Biodiversity of Kumaun Himalaya, India: A Review. *Current Agriculture Research Journal* 4(1), 16-34.

86. Karki Himani, Pratima Rana, **Kiran Bargali**, S.S. Bargali and Y.S. Rawat 2016. Effect of Biotic Disturbances on Herbaceous Vegetation in Cypress Mixed Oak Forests of Central Himalaya, India. *Current World Environment* 11(2): 413-422.
87. Awasthi Pankaj, Himani Karki, Vibhuti, **Kiran Bargali** and S.S. Bargali 2016. Germination and Seedling Growth of Pulse Crop (*Vigna* Spp.) as affected by soil salt stress. *Current Agriculture Research Journal* Vol. 4(2): 159-170.
88. **Kiran Bargali** 2016. traditional homegardens as a sustainable ecosystem for maintenance of biodiversity: a case study from Kumaun Himalaya, India. *Journal of Biodiversity* 7(2): 88-100
89. Padalia Kirtika, **Kiran Bargali**, SS Bargali 2017. Present scenario of agriculture and its allied occupation in a typical hill village of Central Himalaya, India. *Indian Journal of Agricultural Sciences* 87 (1): 132-141.
90. Pantola Suman, Vibhuti, **Kiran Bargali** and **S S Bargali** 2017. Screening of three leguminous crops for drought stress tolerance at germination and seedling growth stage *Indian Journal of Agricultural Sciences* 87(4): 467-472.
91. Pantola S, **K Bargali** and S S Bargali, Vibhuti 2017. Effects of NaCl on Germination and Seedling Growth in *Macrotyloma uniflorum* and *Vigna mungo* *Current Agricultural Research Journal* 5 (2)169-176.
92. Karki H, **Kiran Bargali**, S.S. Bargali, Vibhuti and Y.S. Rawat 2017. Plant diversity, regeneration status and standing biomass under varied degree of disturbances in temperate mixed oak-conifer forest, Kumaun Himalaya. *International Journal of Ecology and Environmental Sciences* 43 (4): 331-345.
93. Pandey R, **K Bargali**, SS Bargali 2017. Does seed size affect water stress tolerance in *Quercus leucotrichophora* A. Camus at germination and early seedling growth stage? *Biodiversity International Journal* 1 (1): 24-30. DOI: 10.15406/bij.2017.01.00005.
94. Mourya NR, **Kiran Bargali**, S.S. Bargali 2018. Effect of *Coriaria nepalensis* Wall. colonization in a mixed conifer forest of Indian Central Himalaya. *Journal of Forestry Research* DOI: 10.1007/s11676-018-0613-x
95. **Bargali Kiran**, H. Karki, Vibhuti and SS Bargali 2018. Contribution of homegarden agroforestry in livelihood of rural farmers in Kumaun Himalaya. *Bionature* 38(1):34-47.
96. Karki H, **K Bargali**, SS Bargali, Vibhuti 2018. Seed Size Variation in *Quercus floribunda* Lindl. and its Effect on Germination and Seedling Growth. *Current Trends in Forest Research: CTFR-107*. DOI: 10.29011/CTFR-107.100007
97. Vibhuti, **Kiran Bargali**, S.S. Bargali 2018. Effects of homegarden size on floristic composition and diversity along an altitudinal gradient in Central Himalaya, India. *Current Science* 114(12):2494-2503.
98. Karki H, **Kiran Bargali**, S.S. Bargali, 2018. Effect of Sowing Time on Germination and Early Seedling Growth of *Quercus floribunda* Lindl. *Journal of Ecology and Environmental Science* 34(3):199-208.
99. Padalia Kirtika, **Kiran Bargali**, SS Bargali 2018. Assessment of the microbial biomass carbon and nitrogen in relation to cropping systems in Central Himalaya, India" *Current Science* 115 (9), 1741-1750.
100. **Bargali Kiran**, Vijyeta Manral, Kirtika Padalia, SS Bargali and VP Upadhyay 2018. Effect of vegetation type and season on microbial biomass carbon in Central Himalayan forest soils, India. *Catena*. <https://doi.org/10.1016/j.catena.2018.07.001>.
101. Vibhuti, **Kiran Bargali**, S.S. Bargali 2019. Species composition, diversity and traditional uses of homegarden in Kumaun Himalaya, India. *Indian Journal of Agricultural Sciences* 89(9): 1415-1418.
102. Shahi C, SS Bargali and **Kiran Bargali** 2019. Energy Use Efficiency of Rice-based Traditional Agroecosystems in Kumaun Himalaya, India. *Annals of Biology* 35(2):303-309.

103. Shahi C, SS Bargali and **Kiran Bargali** 2019. Carbon stock and sequestration potential of different sized agroecosystems in Kumaun Himalaya. *Bulletin of Environment, Pharmacology and Life Sciences* 8:S26-S31.
104. Bargali SS, Kirtika Padalia and **Kiran Bargali** 2019. Effects of tree fostering on soil health and microbial biomass under different land use systems in central Himalaya. *Land Degradation & Development* 30(16): 1984-1998 DOI: 10.1002/ldr.3394.
105. Manral Vijyeta, **Kiran Bargali**, SS Bargali and Charu Shahi 2020. Changes in soil biochemical properties following replacement of Banj oak forest with Chir pine in Central Himalaya, India. *Ecological Processes* <https://doi.org/10.1186/s13717-020-00235-8>.
106. Kavita Khatri, Kiran Bargali, Bhawana Negi and SS Bargali 2020. Germination and early seedling growth of two rice varieties as affected by invasive *Ageratina adenophora*. *Current Agricultural Research Journal* 8: (Accepted).

iii) Papers presented in Conferences/Seminars:

Sl. No.	Title of the paper	Title of conference/seminar	Year
1	Plant Diversity supported by Western Himalayan Forests	97 th Indian Science Congress	2010
2	Leguminous plants of Kumaun Himalaya: Diversity, Distribution, Threats and Management	Local and Regional responses to globalization in the mountains and marginal areas of the world	2011
3	Growth versus storage in <i>Quercus leucotrichophora</i> and <i>Pinus roxburghii</i> seedlings in responses to changes in nutrient and water availability.	Ecology and Culture	2011
4	Traditional agroforestry systems practiced in Kumaun Himalaya, India	Climate change: Socio-economic and Environmental Issues-Problems and Challenges	2013
5	Role of rural women in conservation of plant diversity in homegarden agroforestry of Kumaun Himalaya	Challenges of women in the Himalayan region	2015
6	Climate change and agroforestry based farming system in Kumaun Himalaya, Uttarakhand	Climate change education	2015
7	Traditional homegardens of Kumaun Himalaya, Uttarakhand: A sustainable ecosystem for maintenance of biodiversity	103 rd Indian Science Congress	2016
8	Homegardens as an option for improved food security and enhanced livelihood	Socio-economic impacts of ecological ignorance in Development: Raising Disastrous possibilities	2017

iv) Articles/review articles published in books/journals:

Sl. No.	Title of the paper	Title of the book/journal	Editor/Publisher	Year of publication	Page No.
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1	Some medicinally important leguminous plants of Kumaun Himalaya	<i>Medicinal Plants- Traditional knowledge</i>	P.C.Trivedi (ed.) I K International publishing house Pvt. Ltd. New Delhi.	2005	23-33
2	Vesicular arbuscular mycorrhiza in actinirhizal plants and their management implications,.	<i>The Mycorrhizae: Diversity, Ecology and Applications,.</i>	M Tewari and S C Sati (Eds). Daya Publishing House, New Delhi	2008	252-259
3	Forest resources of Uttarakhand: status, threats and management	<i>Natural resource conservation in Uttarakhand : status, challenges and solutions</i>	B.L. Sah (ed.), Ankit Prakashan, Haldwani	2009	188-204
4	Litter production pattern in a Kumaun Himalayan mixed oak forest as affected by biotic disturbance	<i>Climate change: Socio economic and environmental issues- Problems and challenges,</i>	D.K. Jain, R.C. Arya and N.P. Singh (eds.): Mohit Publications, New Delhi	2015	231-240
5	Traditional agroforestry systems practiced in Kumaun Himalaya, India	<i>Climate change: Socio economic and environmental issues- Problems and challenges,</i>	D.K. Jain, R.C. Arya and N.P. Singh (eds.): Mohit Publications, New Delhi	2015	241-254
6	Livestock management by rural women to sustain homegarden agroforestry systems in Kumaun Himalaya	<i>Sustainable Development in Indian Himalayan region: Prospects and Challenges.</i>	Atul Joshi and Neeraj Ruwali (eds.), Jagdamba Publishing Company, New Delh	2016	285-296
7	Assessment of ecosystem services in homegarden systems in Kumaun Himalaya	<i>Ecological ignorance in Development: raising Disastrous Possibilities</i>	Prem Prakash, Narendra Kumar Singh and Amita Prakash.	2017	61-65
8	Leguminous plants of Kumaun Himalaya: Diversity, distribution, threats and management	<i>Globalization and marginalization in mountain regions: Assets and challenges in marginal regions</i>	(Eds. R. Chand , W. Leimgruber) Springer International Publishing Switzerland	2017	265-270
	Effects of size and altitude on plant diversity in agroecosystems of Kumaun Himalaya, India	<i>Sustainable Agriculture</i>	Shrinkhala Publishing House, Ayodhya, U. P	2019	38-51

v) Monographs/Reports (if any): 08

vi) IPR Registered/Award: NA

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10. Conference/Seminar organized:NA

Sl. No.	Status as organizer	Title of the conference/seminar	Year and dates

11. Sessions chaired in Conferences/Seminars:NA

Sl. No.	Title of the seminar	Organized by	Year and dates

12. Academic/Administrative positions held

Sl. No.	Chairman/Member/Secretary	Committee/Authority	Year (From-To)
1.	Member	Proctorial Board	2007-2013
2	Assistant Superintendent	Main Exam (Evening session)	2012-15
3	Assistant Superintendent	Semester Exam	2015-16
4	Member	M.Sc Admission committee	2016-2018
5	Convener	B.Sc II Sem Admission committee	2018
6	Convener	B.Sc I Sem Admission committee	2019

13. Membership to professional Organization/Associations:

Sl. No.	Name of the Association/Organizations	Status of the membership
1.	Indian Science Congress Association	Life Member
2.	Central Himalayan Environment Association	Life Member
3.	OAKS	Life Member
4.	Uttarakhand Vidyalaye Shiksha Parisad, Ramnagar	Member
5.	Current Horticulture	Life member

14. Any other Information: NA



Signature of the Faculty Member