

FACULTY PROFILE



1. Name: **Surendra Singh Bargali**

2. Designation: **Professor**

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

4. Area of Specialization/Research field: **Ecology**

5. Awards/Recognitions:

- Research Associateship C.S.I.R. New Delhi 1992.
- Best research paper award IGKV & CG Govt., Raipur (CG) 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.
- FELLOW, National Institute of Ecology, NIE, New Delhi 2010.
- Honoured by **Collector**, Janjgir-Champa, (CG) for the work done for the welfare of farmers – 2010.
- Letter of Appreciation for overall performance in the Academics. Dean Faculty / College of Agriculture, IGKV, Raipur (CG) 2011.
- Chairman, Advisory Committee of ENVIS centre in GBPIHED, Kosi-Katarmel, Almora
- Associate Editor, *Current Agriculture Research Journal* (2013- Aug. 2018)
- Academic Editor, *International Journal of Plant & Soil Science*.
- Co- Editor in Chief , *Current Agriculture Research Journal* (From September 2018)

6. Number of Research projects:

i) Completed

Sl. No.	Title of the project	Funding Agency	Amount (Rs. In lakhs)	Year (From-To)
1	Effect of traditional agroforestry systems on different crops in Chhattisgarh plains PI .	ICAR.	6.0	2001-2006
2	Impact of Land Use on Vegetation and Soil Carbon, Net Primary Productivity and Nitrogen Budget in Tropical Dry Deciduous Forest of Barnawapara Wildlife Sanctuary. CoPI	MOEn & F,	25.0 (approx)	01.10.06 - 30.09.09

3	Domestication and commercialization of high quality plant material of <i>Jatropha curcus</i> ”, Co PI	DBT	17.0 (approx)	01.04.2005 - 31.03.2008.
4	Development of National Forest fire danger rating and ecological damage assessment using multi-sensor satellite data and ground based data, funded by Co-PI .	NRSA, Hyderabad.	4.6	23.06 2009- 22.06.2012
5	Assessment of structure and diversity of herbaceous flora in mining area of Rawghat, Chhattisgarh. PI	BSP, Bhilai	2.0	2009-2011
6	Carbon sequestration potential of agroforestry systems in Kumaun Himalaya: implication for climate change mitigation - PI	UGC	1.90	2012-2014
7	Contribution of Homegarden agroforestry to livelihood of rural Farmers in Nainital, Uttarakhand CoPI	UGC	11.27	2015-2018

ii) On-going

Sl. No.	Title of the project	Funding Agency	Amount (Rs. In lakhs)	Date of Commence ment	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. CoPI	DST, New Delhi	46.23	June 2020	2023

7. Number of Ph. D candidates successfully completed: 07

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

9. Publications:

i) Books

Sl. No.	Co-Author/s	Title	Publisher	Year of publication

ii) Research Articles published in journals

Mention complete list of publications indicating authors, title, name of the journal, year, volume and page numbers.

List of Publication

RESEARCH PAPERS IN FOREGIEN JOURNALS

1. **Bargali SS** and SP Singh 1991. Aspect of productivity and nutrient cycling in an 8-year old *Eucalyptus* plantation in a moist plain area adjacent to Central Himalaya, India. *Canadian Journal of Forest Research* 21: 1365-1372.

2. **Bargali SS**, SP Singh and RP Singh 1992. Structure and function of an age series of eucalypt plantations in Central Himalaya, I. Dry matter dynamics. *Annals of Botany* 69: 405-411.
3. **Bargali SS**, RP Singh and SP Singh 1992. Structure and function of an age series of eucalypt plantations in Central Himalaya, II. Nutrient dynamics. *Annals of Botany* 69: 413-421.
4. **Bargali SS**, Mukesh Joshi and Kiran Bargali 1992. Seasonal pattern of total soil respiration in age series of eucalypt plantation and mixed broad-leaved forest in tarai belt of Kumaun Himalaya. *Oecologia Montana* 2: 7-11.
5. **Bargali SS**, RP Singh and Mukesh Joshi 1993. Changes in soil characteristics in eucalypt plantations replacing natural broad leaved forests. *Journal of Vegetation Science* 4: 25-28.
6. **Bargali SS**, SP Singh and RP Singh 1993. Pattern of weight loss and nutrient release in decomposing leaf litter in an age series of eucalypt plantations. *Soil Biology and Biochemistry* 25: 1731-1738.
7. **Bargali SS** 1995. Efficiency of nutrient utilization in an age series of *Eucalyptus tereticornis* plantations in the tarai belt of Central Himalaya. *Journal of Tropical Forest Science* 7(3): 383-390.
8. **Bargali SS** 1995. Litter fall, nutrient return and leaf decomposition in an age series of eucalypts in Central Himalaya. *Oecologia Montana* 4: 31-38.
9. **Bargali SS** and SP Singh 1995. Dry matter dynamics, storage and flux of nutrients in an aged eucalypt plantation in Central Himalaya. *Oecologia Montana* 4: 9 - 14.
10. **Bargali SS** 1996. Weight loss and nitrogen release in decomposing wood litter in an age series of eucalypt plantation. *Soil Biology and Biochemistry* 28: 699-702.
11. Joshi Mukesh, Kiran Bargali and **SS Bargali** 1997. Changes in physico- chemical properties and metabolic activity of soil in popular plantations replacing natural broad leaved forests. *Journal of Arid Environment* 35: 161-169.
12. Bargali SS and RP Singh 1997. Pinus patula plantations in Kumaun Himalaya. I. Dry matter dynamics. *Journal of Tropical Forest Science* 9(4): 526-535.
13. Bargali SS and RP Singh 1997. Pinus patula plantations in Kumaun Himalaya II. Nutrient dynamics. *Journal of Tropical Forest Science* 10(1): 101-104.
14. Usman S, SP Singh, YS Rawat and **SS Bargali** 2000. Fine root decomposition and nitrogen mineralization patterns in *Quercus leucotrichophora* and *Pinus roxburghii* forests in Central Himalaya. *Forest Ecology and Management* 131: 191-199
15. Bargali Kiran and **SS Bargali** 2000. Nutrient utilization efficiencies of two Central Himalayan tree species. *Journal of Tropical Forest Science* 12(3): 450-458
16. Bargali Kiran and **SS Bargali** 2005. Growth of *Acer oblongum* Wall. Seedlings in relation to resource availability. *Nepal Journal of Forestry* 15(3): 25-31 Nepal.
17. **Bargali SS**, SP Singh, SK Shrivastava and SS Kolhe 2007. Forestry plantations on rice bunds: Farmers' perceptions and technology adoption. *International Rice Research Notes*. 32(2): 40-41.
18. Bargali Kiran and **SS Bargali** 2009. *Acacia nilotica*: a multipurpose leguminous plant. *Nature and Science*. 7(4):11-19.
19. **Bargali SS**, K Pandey, Lalji Singh and SK Shrivastava 2009. Participation of rural women in rice based agroecosystem. *International Rice Research Notes* 33 (1): 1-2
20. Bargali Kiran and **SS Bargali** 2009. Effect of phosphorus nutrition on growth and mycorrhizal dependency of *Coriaria nepalensis* seedlings. *Nature and Science*. 7(6): 19-24
21. Pandey K, **SS Bargali** and SS Kolhe 2011. Adoption of technology by rural women in rice based agroecosystem. *International Rice Research Notes* 36: 1-4.
22. Bargali Kiran, **SS Bargali** and YS Rawat 2012. Carbon stock and shade tolerance in seedlings of some early and late successional tree species of Central Himalaya. *Journal of Environmental Engineering*.

23. Bargali Kiran, Beena Joshi, **SS Bargali** and SP Singh 2014. Diversity within Oaks. *International Oaks* 25: 57-70.
24. Kittur B, SL Swamy, **SS Bargali** and MK Jhariya 2014. Wildland Fires and Moist Deciduous Forests of Chhattisgarh, India: Divergent Component Assessment. *Journal of Forestry Research* 25(4): 857-866.
25. Bargali Kiran, Beena Joshi, **SS Bargali** and SP Singh 2015. Oaks and the Biodiversity They Sustain. *International Oaks* 26:65-76.
26. 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.
27. 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.
28. Jhariya MK, **SS Bargali** and Abhishek Raj 2015. Possibilities and Perspectives of Agroforestry in Chhattisgarh. In: Precious Forests - Precious Earth (Ed.Miodrag Zlatic), Publisher- INTECH, pp-237-257.
29. Behera SK, N Sahu, AK Mishra, **SS Bargali**, MD Behra and R Tuli 2017. Aboveground biomass and carbon stock assessment in Indian tropical deciduous forest and relationship with stand structural attributes. *Ecological Engineering* 99: 513-524.
30. Misra S, AK Srivastava, S Verma, S Pandey, **SS Bargali**, TS Rana, NK Nair 2017. Phenetic and genetic diversity in Indian Luffa (Cucurbitaceae) inferred from morphometric, ISSR and DAMD markers. *Genetic Resources and Crop Evolution*. 64(5):995-1010. DOI 10.1007/s10722-016-0420-1.
31. 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.
32. 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*. DOI: 10.29011/ CTFR-107. 100007
33. Karki H, Kiran Bargali, **S.S. Bargali**, 2018. Effect of Sowing Time on Germination and Early Seedling Growth of *Quercus floribunda* Lindl. *Journal of Forestry and Environmental Science* 34(3):199-208. <https://doi.org/10.7747/JFES.2018.34.3.1>.
34. 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*. 171(12): 125-135. <https://doi.org/10.1016/j.catena.2018.07.001>.
35. Sharma S, BS Kholia, **SS Bargali** 2018. [A new species of *Microlepia* \(Dennstaedtiaceae\) from Mizoram, India](#) *Webbia* 73(2)191-194 <https://doi.org/10.1080/00837792.2018.1509932>.
36. **Bargali SS** 2018. [Forest Ecosystem: Structure and Functioning](#) (Editorial) *Current trends in Forest Research* DOI: 10.29011/ 2638-0013. 100020.
37. Pandey R, Vibhuti, H Karki, P Awasthi, K Bargali, **SS Bargali** 2018. [Effect of Wildfire on Herbaceous Vegetation in Cypress Mixed Oak Forest of Nainital, Kumaun Himalaya, India](#). *Current trends in Forest Research* DOI: 10.29011/2638-0013. 100021
38. Mourya NR, Kiran Bargali, **SS Bargali** 2019. 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 30 (1), 305-317.

39. **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.
40. 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>.
41. Maletha A, R K Maikhuri and **SS Bargali** 2019. Vegetation analysis and regeneration pattern of tree species in timberline zone of Nanda Devi Biosphere Reserve, Central Himalaya, Uttarakhand, India. *Journal of Forestry Research* (Accepted).

RESEARCH PAPERS IN INDIAN JOURNALS

42. **Bargali SS**, JC Tewari, YS Rawat and SP Singh 1987. Woody vegetation in high elevation blue-pine mixed oak forest of Kumaun Himalaya, India. In Y P S Pangty and S C Joshi (eds.) *Western Himalaya: Environment, Problems and Development*. Gyanodaya Prakashan, Nainital pp 121-155.
43. **Bargali SS**, BS Rana, HC Rikhari and RP Singh 1989. Population structure of Central Himalayan blue pine (*Pinus wallichiana*) forest. *Environment and Ecology* 7: 431-436.
44. Rikhari HC and **SS Bargali** 1989. Shrub layer composition in different forest ecosystems of Kumaun Himalaya. *Vegetos* 2(2): 195-200.
45. Chandra R, VP Upadhyay and **SS Bargali** 1989. Analysis of herbaceous vegetation under oak and pine forests of Central Himalaya. *Environment & Ecology* 7: 521-525.
46. Tripathi BC, HC Rikhari, **SS Bargali** and YS Rawat 1991. Species composition and regeneration in disturbed forest sites in the oak zone in and around Nainital. *Proceedings of Indian National Science Academy* B57: 381-390.
47. Joshi Mukesh and **SS Bargali** 1992. Floristic composition and life forms of relatively undisturbed and disturbed *Quercus floribunda* Lindl. forests in Central Himalaya. *Journal of Ecobiology* 4(3): 183-186.
48. Joshi M and **SS Bargali** 1992. Certain microclimatic features under oak, conifer and mixed oak conifer canopies in parts of Kumaun Himalaya. *Environment and Ecology* 10(4): 874-877.
49. Joshi Mukesh and **SS Bargali** 1992. Root respiration: Effect of biomass and moisture. *Environment and Ecology* 10(4): 930-933.
50. Pathak MC, **SS Bargali** and YS Rawat 1993. Analysis of woody vegetation in a high elevation oak forest of Central Himalaya. *The Indian Forester* 119(9): 722-731.
51. **Bargali SS** 1994. Forest floor development in *Eucalyptus tereticornis* Sm. plantations in a part of Central Himalayan tarai belt. *Range Management and Agroforestry* 15 (1): 61-68.
52. **Bargali SS**, M Joshi, K Bargali and S Chandra 1994. Folk art and human adjustment with plant life in Central Himalaya. In BR Pant and MC Pant (eds.) *Glimpses of Central Himalaya: A Socio economic and ecological perspectives*. Radha Publications New Delhi pp 398-421.
53. Zobel DB, Jeet Ram and **SS Bargali** 1995. Structural and physiological changes in *Quercus leucotrachophora* and *Pinus roxburghii* associated with stand disturbance in the Kumaun Himalaya, India. *International Journal of Ecology and Environmental Sciences* 21: 45-66.
54. Bargali K, **SS Bargali** and RP Singh 1998. Ecological relationship of *Bidens biternata* and *Galingsonga ciliata* in open and closed habitats. *Indian Journal of Ecology* 25 (2): 107-113.

55. Bargali Kiran and **SS Bargali** 1999. Comparative growth response of two contrasting species of Central Himalaya in relation to light and nutrient availability. *Journal of Environmental Biology* 20 (2): 183-187.
56. **Bargali SS** and Kiran Bargali 1999. Variation in the major element content in *Eucalyptus tereticornis* foliage with season, crown position and plantation age. *Indian Journal of Ecology* 26 (2): 106 –112.
57. **Bargali SS** and Kiran Bargali 2000. Diversity and biomass of the under story vegetation in an age series of *Eucalyptus tereticornis* plantation. *International Journal of Ecology and Environmental Sciences* 26: 173-181.
58. **Bargali SS** 2000. Comparative study of nutrient accumulation ratios of leaf to wood in *Eucalyptus* and other forests and plantations of adjacent areas. In M K Rai (ed) Proceeding of the *Integrated management of Plant resources*. Scientific Publishers, Jodhpur pp 407-410.
59. **Bargali SS** and SK Shrivastava 2002. Exploration of valuable medicinal vegetal wealth from tribal belt of Bastar district in Chhattisgarh. *The Botanica* 52: 75-82.
60. **Bargali SS**, SK Shrivastava, VK Dixit and Kiran Bargali 2003. Some less known ethno botanical plants of Jagdalpur district of Chhattisgarh state. *The Botanica* 53:192-197.
61. **Bargali SS**, SP Singh and KS Pandya 2004. Effects of *Acacia nilotica* on gram crop in a traditional agroforestry system of Chhattisgarh plains. *International Journal of Ecology and Environmental Sciences* 30(4):363-368.
62. Bargali K, **SS Bargali** and SP Singh 2005. Growth and competition between *Pinus roxburghii* and *Quercus leucotrichophora* seedlings as affected by nutrient and moisture availability. *Bulletin of National Institute Ecology* 15:180-190.
63. Pandey K, N Pathak, SK Shrivastava **SS Bargali** and A Verma 2005. Experiment on safe seed storage of paddy on the farmwomen's field. *Bhartiya Krishi Anusandhan Patrika* 20: (2&3) 58-62.
64. Shrivastava SK and **SS Bargali** 2005. *Pongamia glabra* Vent. A multipurpose tree of tropical forest. *The Botanica* 55: 117-132.
65. Pandey C B, D K Sharma and **S S Bargali** 2006. Decomposition and nitrogen release from *Leucaena leucociphal*a in Central India. *Tropical Ecology* 47(1):149-151.
66. Singh SP, SK Shrivastava, JR Patel and **SS Bargali** 2006. Impact of Front Line Demonstrations on rice for technological dissemination in district Durg. *Environment and Ecology* 24 S (2): 482-483.
67. Singh Lalji, **SS Bargali** and SL Swamy 2006. Production practices and post-harvest management in *Jatropha*. Proceeding of papers presented on the *Biodiesel Conference Towards Energy Independence-Focus on Jatropha* (Eds.) B Singh *et.al* at Rastrapati Nilayam, Bolaram, Hyderabad on 9-10 June 2006 p.252-267.
68. Pandey K, N Pathak, **SS Bargali** and SK Shrivastava 2006. Experiment on preservation of vegetables on farmwomen's field and its assessment. *Bhartiya Krishi Anusandhan Patrika* 21(2): 178-183.
69. Singh Lalji, **SS Bargali**, S Puri and L Ghosh 2006. For sustainable development ...Cultivating *Jatropha*: a promising green fuel- and raw material- yielding plant. *Indian Horticulture*.51 (5): 13-15.
70. Pandey K, **SS Bargali** and SK Shrivastava 2006. Comparative study on low cost traditional methods and advance technology for safe storage of gram seeds. *Environment and Ecology*.24S (4): 1202-1203.
71. **Bargali SS** 2006. Variation in composition, biomass, net primary productivity and nutrient status of shrub layer in an age series of *Eucalyptus tereticornis* plantation. *Bulletin of National Institute Ecology* 17: 9-16.

72. Singh Lalji, S Puri and **SS Bargali** 2006. Biodiversity and importance of some lesser- known woody species of Moist Deciduous Forest of Achanakmar-Amkantak Biosphere Reserve. *The Botanica*. 56: 97-103.
73. **Bargali SS**, CB Pandey and DK Sharma 2006. Weight loss and nitrogen release pattern in leaf and wood litter of *Gliricidia sepium* (Jacq.)Walp. *Bulletin of National Institute Ecology* 17: 25-29.
74. Pandey K, A Verma and **SS Bargali** 2007. Assessment of training adoption and preserved materials of tomato for the economic uplift of rural women. *Bhartiya Krishi Anusandhan Patrika* 22(1): 76-80.
75. Singh SP, **SS Bargali**, JR Patel and RN Singh 2007. Technique of rice (*Oriza sativa*) seed selection in salt solution- an evaluation under real farm situation. *Environment and Ecology* 255(2): 461-463.
76. Singh SP, SK Shrivastava, SS Kolhe, JR Patel and **SS Bargali** 2007. Prospects of biofertilizers and organic manure utilization: a case study from Durg district. *Agricultural Science Digest*. 27(3): 157-161.
77. Singh Lalji, Anshu Singh, **SS Bargali** and VP Upadhyay 2007. Leaf litter decomposition and nutrient release pattern in multipurpose tree species of central India. *Journal of Basic and Applied Biology*. 1(4): 14-21.
78. Singh SP, JR Patel, SK Shrivastava, and **SS Bargali** 2008. Rice production constraints in district Durg of Chhattisgarh plains. *Journal of Maharashtra Agricultural Universities*. 33(1): 111-113
79. Singh Lalji, L Ghosh, **SS Bargali** and RR Saxena 2008. Response of paddy planted under *Butea monosperma* trees in Chhattisgarh. *International Journal of Ecology and Environmental Sciences*. 34(1): 63-66.
80. Singh Lalji, L Ghosh, **SS Bargali** and RR Saxena 2008. Influence of naturally occurring trees on field bunds and their impact on yield parameters of paddy crop. *Range Management & Agroforestry*. 29(2): 134-137.
81. **Bargali SS**, Kiran Bargali, Lalji Singh, L Ghosh and ML Lakhera 2009. *Acacia nilotica* based traditional agroforestry system: effect on paddy crop and management. *Current Science* 96 (4): 581-587.
82. Rathia PS, R Lakpale, GK Shrivastava and **SS Bargali** 2010. Effect of nutrient blending with FYM on biomass production and economics under hybrid cotton-soybean intercropping system. *Journal of Plant Development Sciences*. 2(1&2): 9-18.
83. Swamy SL, CBS, Dutt, MSR Murthy, Alka Mishra and **SS Bargali** 2010. Floristics and Dry matter dynamics of Tropical Wet Evergreen Forests of Western Ghats, India. *Current Science* 99 (3): 353-364.
84. Mishra Alka, SL Swamy, **SS Bargali** and AK Singh 2010. Tree growth, biomass and productivity of wheat under five promising clones of *Populus deltoids*. *International Journal of Ecology and Environmental Sciences* 36(2-3):167-174.
85. Arora VPS, **SS Bargali** and JS Rawat 2011. Climate change: challenges, impacts, and role of biotechnology in mitigation and adaptation. *Progressive Agriculture* 11: 8-15.
86. Singh J, Rekha Singh, **SS Bargali** and Sarita Sahu 2011. Cultivating *Colocasia* for food security. *OAKS*. 7: 37-40.
87. Lodhiyal Neelu, LS Lodhiyal and **SS Bargali** 2011. Significance of forest ecosystem services in conservation and sustainable development. *OAKS*. 7: 41- 45.
88. **Bargali SS** and Kiran Bargali 2012. Climate change and its effect on biodiversity. Annual report of UCCC (2011-12) 30-34.
89. Bargali Kiran and **SS 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

90. Jhariya MK, **SS Bargali**, SL Swamy and B Kittur 2012. Vegetational structure, diversity and fuel load in fire affected areas of Tropical Dry Deciduous forests in Chhattisgarh. *Vegetos* 25(1): 210-224.
91. **Bargali SS**, Swati Yadav and Kirtika Padalia 2012. Forest Fire – a threat or a problem for Biodiversity conservation. *Oaks* 8: 75-86.
92. Lodhiyal LS, N Lodhiyal, Kiran Bargali and **SS Bargali** 2012. Forest conservation and management practices in Uttarakhand. *ENVIS Bulletin on Himalayan Ecology*. 20: 30-32.
93. Parihaar RS, Kiran Bargali and **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): 447-45.
94. Jhariya MK, **SS Bargali**, SL Swamy, and PR Oraon 2013. Herbaceous diversity in Rowghat, Narayanpur District of Chhattisgarh, India. *Journal of Plant Development Sciences* 5 (4): 385-393.
95. Kittur B and **SS Bargali** 2013. Perspectives of agroforestry: Present and future facets. *Journal of Progressive Agriculture* 4 (2), 91-94.
96. Jhariya MK, **SS Bargali**, SL Swamy, B Kittur, Kiran Bargali and GV Pawar 2014. Impact of forest fire on biomass and Carbon storage pattern of Tropical Deciduous Forests in Bharamdeo Wildlife Sanctuary, Chhattisgarh. *International Journal of Ecology and Environmental Science* 40(1): 57-74.
97. Sharma Arti, Charu Shahi, Kiran Bargali, **SS Bargali** and YS Rawat 2014. Biomass and carbon stock in *Drepanostachyum falcatum* (nees.) associated with oak forests at and around Nainital. *The Ecoscan* 8(1&2): 105-108.
98. **Bargali S S**, VP Pandey and Kiran Bargali 2014. Floral composition and diversity pattern in open and closed Dry Deciduous Forest. *Vegetos*. 27(2): 149-157.
99. 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.
100. 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.
101. Vibhuti, Charu Shahi, Kiran Bargali and **S.S. Bargali** 2015. Seed germination and seedling growth parameters of rice (*Oryza sativa* L.) varieties as affected by salt and water stress. *Indian Journal of Agricultural Sciences* 85(1): 102-108.
102. Bargali Kiran, RS Parihaar and **SS Bargali** 2015. Traditional agroforestry systems practiced in Kumaun Himalaya, India. In D.K. Jain, R.C. Arya and N.P. Singh (eds.): *Climate change: Socio economic and environmental issues- Problems and challenges*, Mohit Publications, New Delhi. pp- 241-254.
103. **Bargali SS**, Kiran Shukla, Lalji Singh, Lekha Ghosh and ML Lakhera 2015. Leaf litter decomposition and nutrient dynamics in four tree species of Dry Deciduous Forest. *Tropical Ecology* 56(2): 57-66. Bargali Kiran, Vijyeta Manral and
104. **SS Bargali**. 2015. Weight loss patterns in decomposing litter of *Coriaria nepalensis*, an actinorhizal shrub from degraded land. *Indian Journal of Agricultural Sciences* 85(2): 270-273.
105. 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.
106. 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.
107. Shahi Charu, Vibhuti, Kiran Bargali and **S.S. Bargali** 2015. How Seed Size and Water Stress affect the Seed Germination and Seedling Growth in Wheat Varieties? *Current Agriculture Research Journal* 3(1):60-68.

108. Kumar A, O Bajpai, AK Mishra, N Sahu, SK Behera, **SS Bargali** & LB Chaudhary 2015. A checklist of the flowering plants of Katarniaghat Wildlife Sanctuary, Uttar Pradesh, India. *Journal of Threatened Taxa* 7(7): 7309-7408.
109. 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.
110. 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.
111. Bargali Kiran, Nidhi Rani Maurya and **S.S. Bargali** 2015. Effect of a Nitrogen-fixing Actinorhizal Shrub on Herbaceous Vegetation in a Mixed Conifer Forest of Central Himalaya. *Current World Environment* 10(3): 957-966
112. Gosain BG, GCS Negi, PP Dhyani, **SS Bargali** and R Saxena 2015. Ecosystem services of forests: Carbon Stock in vegetation and soil components in a watershed of Kumaun Himalaya, India. *International Journal of Ecology and Environmental Science* 41 (3-4): 177-188.
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v) Monographs/Reports (if any) -12

10. Conference/Seminar organized:

Sl. No.	Status as organizer	Title of the conference/seminar	Year and dates
1.	National Academy of Sciences, India (NASI)	Science and Technology Sensitization Programme for Uttarakhand under the mandate 'Science and Society' held at Kumaun University, Nainital	9 to 11 June 2017.

11. Sessions chaired in Conferences/Seminars: > 10

12. Academic/Administrative positions held

Sl. No.	Chairman/Member/Secretary	Committee/Authority	Year (From-To)
1	Member /Scientist,	Chhattisgarh Biofuel Board, Govt. of Chhattisgarh	July 2007-March 2011.
2	In - Charge Academic/ Student Section/OSD Dean,	College of Agriculture, IGKV, Raipur (CG)	March 2008 to March 8, 2011.
3	Assistant DSW,	DSB Campus, Kumaun University, Nainital	2012 to till date.
4	Senior Superintendent of exams	DSB Campus, Kumaun University, Nainital	(2011-12 to 2014-15)
5	Director, Environmental Sciences	DSB Campus, Kumaun University, Nainital	November 2017-continuing
6	Director-Alumni Affairs and International collaboration	Kumaun University, Nainital	April 2019-May 2019
7	Director- Planning & Development	Kumaun University, Nainital	May 2019-September 2019.

13. Membership to professional Organization/Associations:

Sl. No.	Name of the Association/Organizations	Status of the membership
1	National Institute of Ecology	Life member
2	Delhi University Botanical Society	Life member
3	The American Biographical Institute	Member Research Board of Advisors
4	Bhartiya Krishi Anusandhan Samiti	Life member
5	Bhartiya Krishi Anusandhan Patrika	Member, Editorial Board (2005-2007)
6	The Indian Science Congress Association	Life member
7	Journal of Agricultural Extension and Rural Development	Member, Editorial team
8	OAKS, Department of Botany, Kumaun University, Nainital	Life Member and Editor
9	Society for Plant Research (Springer)	Life Member
10	Advisory Committee of ENVIS centre in GBPNIHESD, Kosi-Katarmel, Almora	Chairman (December 2014-2017)
11	Current Agriculture Research Journal	Associate Editor (2013-2018)
12	International Journal of Plant & Soil Sciences.	Academic Editor
13	Bionature	Academic Editor
14	Current Trends in Forest Research	Editor
15	<i>Current Agriculture Research Journal</i>	Co- Editor in Chief (From September 2018)

14. Any other Information: _____



Signature of the Faculty Member