



Annual Research Publications: 2016



**College of Forestry
(ASPEE College of Horticulture and Forestry)
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Research Articles		
Sr. No.	Authors and Title	NAAS Rating
1.	Bammanahalli, S., K.R. Swamy, Mahantappa, S.S. and Aalok Yewale (2016). Fruit based agroforestry systems for food security and higher profitability. <i>International Journal of Farm Sciences</i> , 6(2): 1-10.	4.01
2.	Sharma, D., Thakur, S., and Jha, S.K. (2016). Characterization of population variation for fruit and pulp in <i>Terminalia chebula</i> (Gaertn.) Retz. <i>Agroforestry Systems</i> , 90(2), 361-369.	6.91
3.	Jha, S.K. , Sehgal, R.N. and Kanwar, K. (2016). <i>Agrobacterium tumefaciens</i> mediated genetic transformation in <i>Grewia optiva</i> . <i>The Bioscan</i> , 11(3); 1637-1639	5.26
4.	Jha, S.K. , Sehgal, R.N. and Kanwar, K. (2016). Denovo organogenesis in <i>Grewia optiva</i> -An important fodder tree. <i>The Bioscan</i> , 11(3); 1551-1554	5.26
5.	Dhaka, R.K., Jha, S.K. , Dhaval, B.C., and Prajapati, D.R. (2016). Variability, heritability, genetic advance, genetic gain and correlation in relation to germination and seedling growth characteristics of different populations of <i>Bauhinia variegata</i> Linn. in the Dangs Forest of Gujarat. <i>Advances in Life Sciences</i> , 5(21): 9944-9948.	3.15
6.	Patel, S.M. , Tandel, M. B., Desai, M.K., Parmar, M.R. and Prajapati, V.M. (2016). Effect of Bio-fertilizers on growth of <i>Jatropha curcas</i> L., <i>Journal of Tropical Forestry</i> , 32(I): 69-72.	4.16
7.	Kumar, M., Thakur, N.S. and Hegde, H.T. (2016). Fresh herb, essential oil yield and net returns from <i>Ocimum</i> spp. grown under teak (<i>Tectona grandis</i> L.f.) based silvi-medicinal systems in south Gujarat, India. <i>Indian Journal of Ecology</i> , 43 (Special Issue-1): 306-311.	4.47
8.	Bijalwan, A. and Dobriyal, M.J.R. (2016). Geometry, distribution and regeneration pattern of trees in agroforestry systems along altitude and aspect in upper Yamuna region of Utrakhnad, India. <i>Applied Ecology and Environmental Science</i> , 4(1): 15-25.	--
9.	Bhusara, J. B., Thakur, N.S. and Hegde, H. T. (2016). Biological yield and carbon sequestration in prominent traditional agroforestry systems in Valsad District, Gujarat, India. <i>Indian Journal of Ecology</i> , 43(Special Issue-1): 318-320.	4.47
10.	Behera L.K. , Nayak, M.R., Mehta, A.A., Sondarva, R.L. and Jadeja, D.B. (2016). Fibre Parameters Variation among Twenty Clones of <i>Eucalyptus</i> in South Gujarat. <i>International Journal of Usufructs Management</i> , 17(1): 55-62.	3.23
11.	Behera, L.K. , Patel, D.P., Sinha, S.K., Gunaga, R.P. and Jadeja, D.B. (2016). Variation in Physical Properties of Wood Among Twenty Clones of <i>Eucalyptus</i> in South Gujarat. <i>Advances in Life Sciences</i> , 5(5): 1704-1708.	3.15
12.	Behera L.K. , Patel, D.P., Gunaga, R.P., Mehta, A.A. and Jadeja, D.B. (2016). Clonal evaluation for early growth performance of <i>Eucalyptus</i> in South Gujarat, India. <i>Journal of Applied and Natural Science</i> , 8(4): 2066-2069.	3.73

13.	Sahoo, P.K., Nayak, S., Behera, L.K. , Rout, S. and Biswal D. (2016). Influence of storage condition and duration on oil content of physic-nut seeds. <i>Multilogic in Science</i> ,6(16):172-176.	3.45
14.	Bijalwan A., Manmohan J.R.D. and Thakur, T.K. (2016). Carbon sequestration Potential of agroforestry trees (Agroforests) in India. <i>New York Science Journal</i> , 19(7): 76-81	--
15.	Dobriyal, M.J. , Bijalwan, A. and Dobriyal, R. (2016). Influence of Edapho-Physico-chemical properties along altitude and aspects on the density of Medicinal Orchids, <i>Habenaria intermedia</i> D.Don. and <i>Microstylis wallichii</i> Lindl. in India. <i>New York Science Journal</i> , 9(8): 56-66.	--
16.	Dobriyal, M.J. , Arvind Bijalwan, H.B. Vasisht and Ranjana Dobriyal (2016). Significance of Banj Oak (<i>Quercus leucotricophora</i>) forests for conservation of Habitat of Medicinal Orchid, <i>Microstylis wallichii</i> Lindl. in Uttarakhand Himalaya, India. <i>International Journal of Forest Usufructs Management</i> , 17 (2): 19-29.	3.23
17.	Dobriyal, M.J. and Bijalwan, A. (2016) Farming Quotient (FQ) or Framing Intelligence (FI) and Its Relevance in India. <i>International Journal of Current Research in Biosciences and. Plant Biology</i> 3(5): 144-146.	--
18.	Oraon B.C., Malik, M.S., Bijalwan, A. and Manmohan, J.R.D. (2016). Growth and biomass of three important energy plantation tree species in Jharkhand state of India. <i>The Indian Forester</i> , 142(9): 833-842.	4.27
19.	Kumar, D., Bijalwan, A., Kalra, A. and Manmohan, J.R. D. (2016). Effect of shade and organic manure on growth and yield of Patchouli [<i>Pogostemon cablin</i> (Blanco) Benth.] under Teak (<i>Tectona grandis</i> L.f.) based Agroforestry System. <i>The Indian Forester</i> , 142(11): 1121-1129.	4.27
20.	Nayak, M.R., Patel, D.P. , Patel, K.H., Behera, L.K. and Jadeja, D.B. (2016). Response of sodicity levels on vegetative growth and nutrient contents of <i>Eucalyptus</i> clones. <i>Advances in Life Sciences</i> , 5(19): 8522-8531.	3.15
21.	Patel, D.C., Shrivastava, P.K. , Nayak, M.R. and Patel, D.P. (2016). Study of noise pollution levels during Ganesh Utsav of different day and time in Bardoli city, Gujarat. <i>Multilogic in Science</i> , 6(16):150-154	3.45
22.	Nayak D. , Thakre, H.S., Shrivastava, P.K. and Patel, D.P. (2016). Irrigation scheduling of Teak (<i>Tectona grandis</i>) seedlings at nursery stage, <i>Journal of Tree Science</i> , 35(2): 54-58.	1.86
23.	Lakkad, A.P., Patel, D.P. , Nayak, D. and Shrivastava, P.K. (2016). Preparation of erosion susceptibility map of Dhaman Khadi sub-watershed in Eastern Gujarat using ArcGIS Interface. <i>Journal of Applied and Natural Science</i> , 8(4): 2196-2202	4.84
24.	Singh, N. , Bhatt, B. K., Pathak, J., Shrivastava, P. K. and Leua, A. K. (2016). Economic analysis of production and marketing of Palmyra palm. <i>Pezottate Journal</i> , 5(1): 2067-2070.	--
25.	Kumar, V. and Desai, B.S. (2016). Phyto-sociological study of Waghai forest range in Dangs district, South Gujarat. <i>Journal of Environment and Bio-Sciences</i> , 30(2):549-553.	4.43

26.	Kumar, V. and Desai, B.S. (2016). Biodiversity and Phyto sociological analysis of Plants around the Chikhali Taluka, Navsari District. Gujarat, India. <i>The Ecoscan: Special issue, IX</i> : 10-16.	4.65
27.	Kumar, V. and Desai, B.S. (2016). Physico chemical characterization of forest soil of Dang's District, Gujarat, India. <i>The Ecoscan (Special issue)</i> , 9: 02-08.	4.65
28.	Bardhan, K. and Patel, D.P. (2016). Urgency to understand nitrogen use efficiency in organic agriculture: <i>Advances in Crop Science and Technology</i> , 4: 236.	--
29.	Jadav, S.K., Bardhan, K. , Chaudhary, K. and Narwade, A.V. (2016). Comparative effect of PEG-8000 and NaCl induced stress on tomato at germination. <i>Advances in Life Sciences</i> . 5(18) :7824-7828	3.15
30.	Mirgal, A.B., Gunaga, R.P. and Salunkhe, C.B. (2016). Seed traits, germination pattern and seedling vigour in <i>Antiaris toxicaria</i> (Pers.) Lesch., a rare plant species of Western Ghats. <i>Journal of Applied and Natural Science</i> , 8(3): 1710-1713.	4.84
31.	Mirgal, A.B., Gunaga, R.P. and Salunkhe, C.B. (2016). Seed size and its influence on germination, seedling growth and biomass in <i>Saraca asoca</i> (Roxb). De Wilde, critically endangered tree species of Western Ghats, India. <i>Journal of Applied and Natural Science</i> , 8(3): 1599-1602.	4.84
32.	Shahapurmath, G., Hanumantha, M., Gunaga, R.P. , Rashmi, V. and Koppad, A.G. (2016). Growth and productivity of <i>Tectona grandis</i> Linn. f. in plantations and farmlands in coastal zone of Karnataka (India). <i>Journal of Applied and Natural Science</i> , 8(4): 1919-1923.	4.84
33.	Sinha, S.K. , Pathak, J.G., Mehta, A.A. and Behera, L.K. (2016). Tapping methods in Salai Guggal (<i>Boswellia serrata</i> Roxb.) for sustainable yield of oleo- gum resin: A case study. <i>International Journal of Usufructs Management</i> , 17(2): 13-18.	3.23
Book Chapter		
1.	Shrivastava, P.K. (2016). Impact of Climate Change on Horticultural Crops, Book on Commercial Horticulture, (Eds: Patel, N.L., Chawla, S.L. and Ahlawat, T.R.). <i>New India Publishing Agency</i> , New Delhi, India, Pp. 327-344.	--
Conference paper		
1.	Mehta A.A. , Behera L.K., Sinha, S.K. and Pathak, J.G. (2016). Palmyra palm bee keeping. Proceedings of National Conference on Palmyra Palm organized by ASPEE college of Horticulture and Forestry, Navsari Agricultural University, Navsari, January, 7-8 pp. 32-38.	--
Popular Article		
1.	Mehta, A.A. , Behera, L.K. and Sinha, S.K. (2016). Apiculture practices through capture and transfer of wild colonies of Indian honey bees (<i>Apis cerena</i>) into wooden hives. <i>MFP News</i> , XXVI (1):8-11.	--
