



Annual Research Publications: 2020



**College of Forestry
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Research Articles		
Sr. No.	Authors and Title	NAAS Rating
1.	Deshmukh, H.K., Tandel, M.B. , Gunaga, R.P., Thakur, N.S., Dobriyal, M.J., Singh, N., Chhatrola, H.N. and Mevada, R.J. (2020). Three decades of review on existing agroforestry systems and practices in South Gujarat. <i>International Journal of Current Microbiology and Applied Sciences</i> , 9(8): 2973-2978.	5.38
2.	Desai, M.K., Dobriyal, M.J., Tandel, M.B. and Patel, S.M. (2020). Performance and economics of medicinal crop (<i>Psoralea corylifolia</i> L.) under sapota-jatropha based horti-silviculture system. <i>Indian Journal of Agroforestry</i> , 22:2: 80-85.	4.53
3.	Mevada, R.J., Tandel, M.B. , Prajapati, D.R., Deshmukh, H.K. and Prajapati, V.M. (2020). Plant diversity in North Gujarat. <i>Indian Forester</i> , 146 (9): 838-842.	4.38
4.	Patel, M.M., Tandel, M.B. , Prajapati, V.M., Patel, S.M. and Desai, M.K. (2020). Influence of various levels of growth hormones on rooting of cuttings of Casuarina (<i>Casuarina equisetifolia</i> L.). <i>International Journal of Chemical Studies</i> 2020; 8(5): 2183-2186.	5.31
5.	Mevada, R.J., Tandel, M.B. , Prajapati, V.M., Patel, N.K., Pathak, J.G. and Deshmukh, H.K. (2020). Effect of INM on quality of Okra (<i>Abelmoschus esculentus</i> L.) under Teak (<i>Tectona grandis</i> L. f.) based agroforestry system. <i>International Journal of Chemical Studies</i> , 8(6): 132-135.	5.31
6.	Patel, Y.D., Tandel, M.B. , Prajapati., Pathak, J. and Patel, S.M. (2020). Effect of growing media on seed germination of red sanders (<i>Pterocarpus santalinus</i> Linn.f.). <i>International Journal of Chemical Studies</i> , 8(5):2424-2427.	5.31
7.	Behera, L.K. , Ray Lala, I.P., Nayak, M.R., Mehta, A.A. and Patel, S.M. (2020). Carbon sequestration potential of <i>Eucalyptus</i> spp.: A review. <i>E-planet</i> , 18(1): 79-84	--
8.	Behera, L.K. , Mehta, A.A., Dholariya, C.A., Sukhadiya, M., Gunaga, R.P. and Patel, S.M. (2020). Vegetative propagation of Guggul [<i>Commiphora wightii</i> (Arn.) Bhan.]: A commercially important and threatened medicinal plant species. <i>E-planet</i> , 18(2): 164-169.	--
9.	Bhuva, D.C., Prajapati, V.M., Amlani, M.H. and Tandel, M.B. (2020). Effect of irrigation interval on growth and biomass of mahogany (<i>Swietenia macrophylla</i> King, Meliaceae) seedlings. <i>International Journal of Chemical Studies</i> , 8(1): 260-263.	5.31
10.	Sukhadiya, M.L., Thakur, N.S. , Patel, V.R., Gunaga, R.P., Kharadi, V.B., Tyagi, K.K. and Singh, S. (2020). Provenance variations in proximate principles, mineral matter, total phenols and phytochemicals of <i>Melia dubia</i> drupes: an unexplored alternate livestock feed stock. <i>Journal of Forestry Research</i> . https://doi.org/10.1007/s11676-019-01080-y .	7.16
11.	Shrivastava, P.K. , Nayak, D., Patel, D.P., Viyol, S.V. and Thakare, H.S. (2020). Integrated rainwater resource management (iRaM) model for coastal South Gujarat. <i>Current Journal of Applied Science and Technology</i> , 39(17):1-12	5.32

12.	Fadadu, M.H. and Shrivastava, P.K. (2020). Efficacy of drip irrigation on summer sesame grown in Narmada district of Gujarat. <i>Journal of Soil and Water Conservation</i> , 19(1): 73-82	5.08
13.	Dabhi, P.V., Lakkad, A.P., Patel, G.R., and Shrivastava, P.K. (2020). Application of dual crop coefficient approach for estimation of crop water requirement for summer sesame using SIMDualKc model. <i>Journal of Agricultural Engineering</i> , 57(4):366-376.	5.59
14.	Bhanderi, B.N., Shrivastava, P.K. , Nayak, D. and Patel, D.P. (2020). Evaluation of Micro Watersheds of Coastal Navsari. <i>International Journal of Current Microbiology and Applied Sciences</i> , Special Issue-11:28-43	5.38
15.	Singh, N.R., Arunachalam, A., Patel, D.P. and Viyol, S. (2020). Response of Soil Microbial Populations and Biomass under Five Agroforestry Systems in the Sub-humid Tropics. <i>Research Journal of Soil Biology</i> , 12(1):9-17	--
16.	Aadil, H.N., Jha, S., Parekh, V. , Rajkumar, B.K., Ramani, H.R., Kapadiya C. and Singh, D. (2020). Dissection of phenylpropanoid pathway during salt stress in cotton (<i>Gossypium hirsutum L.</i>). <i>International Journal of Chemical Studies</i> , 8(1): 21-29.	5.31
17.	Vashi, H.N., Patel, P.P. and Bardhan, K. (2020). Growth and physiological responses of vegetable crops to water deficit stress. <i>Journal of Experimental Agriculture International</i> , 42(5): 91-101	4.69
18.	Dhaka, R.K., Gunaga, R.P. , Sinha, S.K., Thakur, N.S. and Dobriyal, M.J. (2020). Influence of tree height and diameter on wood basic density, cellulose and fibre characteristics in <i>Melia dubia</i> Cav. Families. <i>Journal of Indian Academy of Wood Science</i> , 17(2): 138-144.	4.46
19.	Sreekumar, R. and Gunaga, R.P. (2020). Pattern of seed germination in different accessions of <i>Calophyllum inophyllum L.</i> in South Gujarat. <i>Cannarium</i> , 18(1):1-11	--
20.	Gunaga, R.P. , Mayur, M.M., Wanage, S.S., Mirgal, A.B. and Rane, A.D. Morphological variation in seed traits, germination and seedling growth in endangered medicinal tree species, <i>Saraca asoca</i> (Roxb.) de Wilde., from different seed sources of Konkan region, Maharashtra. <i>Journal of Pharmacognosy and Phytochemistry</i> , 9(4): 157-162	5.21
Popular Articles		
21.	Gunaga, R.P. , Smita, D.A., Ganiger, R.V. and Bhave, S.G. (2020). Ternate leaves: An abnormal phyllotaxy in <i>Calophyllum inophyllum</i> Linn. <i>MFP News</i> , XXX (4):7-8	--
22.	Sinha S.K. , Gunaga R.P, Ahlawat T.R, Sankanur, M.S, Mehta A.A and Hegde H.T. (2020). Methods to identify commercially important tree gum exudates (Vyavsayik roop se mahatwapurna vrikshsravit gond ko pahachanane ke tarike in Hindi version), <i>Van Sangyan</i> , 7(10), 21-26.	--
23.	Sankanur, M.S. , Gunaga R.P, Sinha S.K and Ahlawat T.R. (2020). Boosting income of tribal artisans by utilizing waste wood for wooden handicraft, <i>MFP News</i> , 30(3), 5-7.	--
24.	Chauhan, R.S. and Thakur, N.S. (2020). Malabar neem: The money maker tree. <i>Everyman's Science</i> , LV(1&2):5-9.	--
25.	Sukhadiya, M., Dholariya, C.A., Behera, L.K. , Nayak, D., Patel, S.M. and Mehta, A. (2020). <i>Dalbergia latifolia</i> Roxb.: Biography of an indigenous multipurpose tree species of India. <i>MFP News</i> , XXX (1): 4-7	
