



Annual Research Publications: 2018



**College of Forestry
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Research Articles		
Sr. No.	Authors and Title	NAAS Rating
1.	Chaudhari, C., Jha, S.K. , Dhaka, R.K. Parekh, V.P., Sankanur, M.S., Prajapati, P. and Thakur, S. (2018). Assessment of ISSR based molecular variability in teak of South Gujarat. <i>Journal of Pharmacognosy and Phytochemistry</i> , 7(6):562-568.	5.21
2.	Huse, S.A. , Gunaga, R.P, Sinha, S.K., Dobriyal, M.J., Jha, S.K. and Bhatt, B.K. (2018). Genetic variation in growth attributes and pulp yield in eucalypts clones. <i>International Journal of Chemical Studies</i> , 6(4):2903-2906.	5.31
3.	Hake, A.A., Jha, S., Jha, S.K. and Mahatma, M.K. (2018). Assessment of antioxidant and phenol related enzyme assays in Karanja (<i>Derris indica</i>). <i>International Journal of Chemical Studies</i> , 6(2):954-957.	5.31
4.	Dhaka, R.K. and Jha, S.K. (2018). Effect of different forest types and populations on drupe morphometric characters of teak, <i>Tectona grandis</i> L.f. in India. <i>International Journal of Farm Sciences</i> , 8(2): 12-17.	4.01
5.	Chauhan, R.S. , D.B. Jadeja, N.S. Thakur, S.K. Jha and Sankanur, M.S. (2018). Selection of Candidate Plus Trees (CPTs) of Malabar Neem (<i>Melia dubia</i> Cav.) for Enhancement of Farm Productivity in South Gujarat. <i>International Journal of Current Microbiology and Applied Sciences</i> , 7(5): 3582-3592.	5.38
6.	Chauhan, R.S. and Jha, SK. (2018). Genetic stable mass propagation of <i>Acacia mangium</i> Willd. from mature plus tree. <i>Indian Journal of Biotechnology</i> , 17:128-133.	6.30
7.	Chaudhari, C., Jha, S.K. , Dhaka, R.K., Parekh, V.P., Sankanur, M.S., Prajapati, P. and Thakur, S. (2018). Genetic diversity analysis of teak in South Gujarat by RAPD marker. <i>International Journal of Chemical Studies</i> , 6(6):260-267.	5.31
8.	Huse, S.A. , Singh, N.B., Sharma, J.P. and Anand, R.K. (2018). Quantitative genetic parameters studied on growth and biomass traits in Willows. <i>International Journal of Agriculture Sciences</i> , 10(20):7398-7401.	4.20
9.	Huse, S.A. , Gunaga, R.P, Sinha, S.K., Dobriyal, M.J, Jha, S.K. and Bhatt, B.K. (2018). Genetic variation in growth attributes and pulp yield in eucalypts clones. <i>International Journal of Chemical Studies</i> , 6(4):2903-2906.	5.31
10.	Huse, S.A. , Gunaga, R.P. and Sinha, S.K. (2018). Genetic estimates of growth and wood anatomical properties in eucalypts clones. <i>International Journal of Genetics</i> , 10(9):495-497.	4.46
11.	Patel, S.M. , Tandel, M.B., Desai, M.K., Pathak, J.G., Behera, L.K. and Parmar, M.R. (2018). Economics of cucurbitaceous vegetable crops under Teak (<i>Tectona grandis</i> L.f.) based Silvi horticultural System in South Gujarat. <i>International Journal of Chemical Studies</i> , 6(2): 119-123.	5.31

12.	Patel, H.S., Tandel, M.B. , Prajapati, V.M., Amlani, M.H. and Prajapati, D.H. (2018). Effect of different pre-sowing treatments on germination of Red sanders (<i>Pterocarpus santelinus</i> L.f.) in Poly house condition. <i>International Journal of Chemical Studies</i> , 6(4):162-165.	5.31
13.	Patel H.S., Tandel, M.B. , Prajapati, V.M., Amlani, M.H. and Prajapati, D.H. (2018). Effect of different pre-sowing treatments on germination of Red sanders (<i>Pterocarpus santelinus</i> L.f.) in Net house condition. <i>International Journal of Chemical Studies</i> , 6(2):876-879.	5.31
14.	Sondarva, R.L., Tandel M.B. , Patel, N.K., Prajapati, V.M., Prajapati, D.H. and Bhusara, J.B. (2018). Effect of INM on growth and yield components of Brinjal (<i>Solanum melongena</i> L.) under Teak (<i>Tectona grandis</i> L.f.) based silvi-horticultural system in South Gujarat region. <i>International Journal of Chemical Studies</i> , 6(3):1224-1227.	5.31
15.	Maharana, R., Dobriyal, M.J. , Behera, L.K., Gunaga, R.P. and Thakur, N.S. (2018). Effect of pre-seed treatment and growing media on germination parameters of <i>Gmelina arborea</i> Roxb. <i>Indian Journal of Ecology</i> , 45(3):623-626.	4.96
16.	Maharana, R., Dobriyal, M.J. , Behera, L.K., and Sukhadiya, M. (2018). Enhancement of seedling vigour through biofertilizers application in Gamhar (<i>Gmelina arborea</i> Roxb.). <i>International Journal of Chemical Studies</i> , 6(5):54-60.	5.31
17.	Behera, L.K. , Mehta, A.A., Dholariya, C.A., Patel, S.M. and Gunaga, R.P. (2018). Foraging activity of Rockbee (<i>Apis dorsata</i>) on Eucalyptus: A promising MPTs in South Gujarat condition. <i>Journal of Entomology and Zoology Studies</i> , 6(6):550-553.	5.53
18.	Dholariya, C.A., Behera, L.K. , Patel, D.P., Mehta, A.A., Gunaga, A.A. and Viyol, S.V. (2018). Impact of different salinity levels on physiological attributes of <i>Leucaena leucocephala</i> Lam. in early growth stage. <i>International Journal of Chemical Studies</i> , 6(4):2606-2609.	5.31
19.	Pathak, J. , Tandel, M.B., Patel, S.M., Chavda, J.R. and Prajapati, D.H. (2018). Macro-propagation of long internode <i>Schizostachyum dulloa</i> (Gamble) R.B. Majumdar through culm cutting. <i>International Journal of Current Microbiology and Applied Sciences</i> , 7 (03):2319-7706.	5.38
20.	Pathak, J. , Tandel, M.B., Desai, M., Chavda, J.R., Prajapati, D. and Amlani, M.H. (2018). Influence of rooting hormone on macro-propagation of <i>Schizostachyum pergracile</i> (Munro.) through culm cutting. <i>International Journal of Chemical Studies</i> , 6(1):1926-1928.	5.31
21.	Desai, M.K. , Dobriyal, M.J., Tandel, M.B., Patel, S.M., Pathak, J.G. and Prajapati, V.M. (2018). Effect of pruning and intercrops on Jatropha and Sapota under Sapota-Jatropha based Horti-Silvi system. <i>International Journal of Chemical Studies</i> , 6(4):519-522.	5.31
22.	Modi, J.S., Tandel, M.B. , Prajapati, V.M., Parekh, V.B. and Ahir, B.R. (2018). Molecular variations in teak (<i>Tectona grandis</i> L.f.) clones. <i>International Journal of Chemical Studies</i> , 6(5):259-264.	5.31

23.	Modi, J.S., Tandel, M.B. , Prajapati, V.M. and Ahir, B.R. (2018). Morphological variations in teak (<i>Tectona grandis</i> L.f.) clones. <i>Journal of Pharmacognosy and Phytochemistry</i> , 7(5):273-276.	5.21
24.	Bhusara, J.B., Dobriyal, M.J. , Thakur, N.S., Gunaga, R.P. and Tandel, M.B. (2018). Performance of Okra (<i>Abelmoschus esculentus</i> L. Moench) under different spatial arrangements of <i>Melia composita</i> based agroforestry system. <i>International Journal of Current Microbiology and Applied Sciences</i> , 7(5):3533-3542.	5.38
25.	Thakur, N.S. , Jilariya, D.J., Gunaga, R.P. and Singh, S. (2018). Positive allelopathy of <i>Melia dubia</i> Cav. Spatial geometry improve quantitative and qualitative attributes of <i>Aloe vera</i> L. <i>Industrial Crops & Products</i> , 119: 162-171.	9.45
26.	Parmar, A.G., Thakur, N.S. and Gunaga, R.P. (2018) <i>Melia dubia</i> Cav. leaf litter allelochemicals have ephemeral allelopathic proclivity. <i>Agroforestry systems</i> . https://doi.org/10.1007/s10457-018-0243-5 .	7.17
27.	Behera, L.K. , Patel, D.P., Dholariya, C.A., Nayak, M.R., Gunaga, R.P., Mehta, A.A. and Jadeja, D.B. (2018). Evaluation for chemical properties variation among clones of <i>Eucalyptus</i> in south Gujarat. <i>Multilogic in Science</i> , 7(25): 21-24.	5.20
28.	Shedage, S. and Shrivastava, P.K. (2018). Mangroves for protection of coastal areas from high tides, cyclone and Tsunami. <i>International Journal of Plants & Soil Science</i> , 23(4): 1-11.	4.77
29.	Fadadu, M.H., Shrivastava, P.K. and Dwivedi, D.K. (2018). Application of Horton's infiltration model for the soil of Dediapada (Gujarat), India. <i>Journal of Applied and Natural Science</i> , 10(4):1254-1258.	4.84
30.	Mevada, R.J., Nayak, D. and Patel, D.P. (2018). Impact of <i>Terminalia arjuna</i> (Roxb.) leaf litter and hosted Tasar silkworm excreta on quality of paddy and soil properties. <i>International Journal of Current Microbiology and Applied Sciences</i> , 7(5): 3781-3789.	5.38
31.	Budhani, A., Bhandari, D.R., Patel, D.P. and Tank, R.V. (2018). Agronomic bio fortification of cowpea (<i>Vigna unguiculata</i> (L.) Walp.) with iron. <i>International Journal of Chemical studies</i> , 6(6):1900-1902.	5.31
32.	Ranawat, J.S., Pandey, S.B.S., Singh, J., Nayak, D. and Puspanjali. (2018). Doubling the farmer's income through intercropping turmeric (<i>Curcuma longa</i> L.) under mandarin based agroforestry system in South eastern Rajasthan. <i>Journal of Pharmacognosy and Phytochemistry</i> , 7(4):2560-2563.	5.21
33.	Kumar, J., Bhabhor, A., Bardhan, K. , Patel, D.P., Narwade, A.V. and Chhatrola, H.N. (2018). The selective vulnerability of rice root system architecture to organic and inorganic nitrogen. <i>International Journal of Current Microbiology and Applied Sciences</i> , 7 (7):1247-1265.	5.38
34.	Kumar V., Tiwari, A. and Desai, B. (2018). Pattern of floristic and biodiversity of angiosperms of Purna Wildlife Sanctuary, Mahal Gujarat. <i>Indian Journal of Ecology</i> , 45(2):206-265.	4.96

35.	Hegde, H.T. , Gunaga, R.P. and Thakur, N.S. (2018). Variations in seed oil content among 13 populations of Mahua (<i>Madhuca longifolia</i> var. <i>latifolia</i> (Roxb.) A. Chev.) in Gujarat. <i>International Journal of Chemical Studies</i> , 6 (5):35-38.	5.31
36.	Hegde, H.T. , Gunaga, R.P. and Thakur, N.S. Jha, S.K. and Dobriyal M.J. (2018). Population structure and regeneration of Mahua (<i>Madhuca longifolia</i> var. <i>latifolia</i> (Roxb.) A. Chev.) in disturbed and undisturbed sites. <i>Indian Journal of Ecology</i> , 45(4):724-727.	4.96
37.	Gunaga, R.P. , Shirke, K.K., Wanage, S.S. and Rane, A.D. (2018). Albino seedlings in <i>Caesalpinia bonduc</i> (L.) Roxb. <i>eJournal of Applied Forest Ecology</i> , 6(2):1-2.	--
Popular Articles		
1.	Malek, S.S., Dobriyal, M.J.R. , Gunaga, R.P. and Desai, B.S. 2018. Effect of cutting types and IBA treatment on propagation of aromatic herb Ajma paan (<i>Coleus aromaticus</i> Benth). <i>MFP News</i> , 28(3):11-15.	--
2.	Bardhan K. 2018. Potassium may be a key in making rice plants more tolerant to drought. <i>Rice Today</i> . 1-3 pages. http://ricetoday.irri.org/potassium-may-be-a-key-in-making-rice-plants-more-tolerant-to-droughts .	--
3.	Bardhan, K. , Patel, D.S. and Patel, D.P. (2018). Revealing the effects of potassium on rice roots under moisture stress. <i>Better Crops</i> , 102(4):28-31.	--
