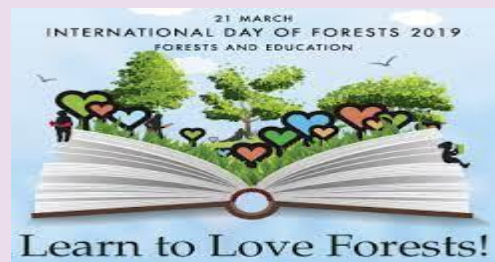




Annual Research Publications: 2019



**College of Forestry
(ASPEE College of Horticulture and Forestry)
Navsari Agricultural University
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Research Articles		
Sr. No.	Authors and Title	NAAS Rating
1.	Prajapati, V., Patel, M.M., Jha, S.K. and Makwana, K. (2019). <i>De novo</i> organogenesis from leaf explants in <i>Piper longum</i> L. <i>Journal of Pharmacognosy and Phytochemistry</i> , 8(3): 483-485.	5.21
2.	Sharma, D., Sharma, K., Jha, S.K. and Kumar, A. Genotypic growth performance evaluation of Malabar Neem (<i>Melia dubia</i>) in low hills of Himachal Pradesh. <i>International Journal of Tropical Agriculture</i> , 37(1):27-30.	3.49
3.	Thakur, S., Thakur, S. and Jha, S.K. (2019). First year growth variation in some selected clones of <i>Populus deltoids</i> in Himachal Pradesh. <i>Journal of Pharmacognosy and Phytochemistry</i> , 8(1):1040-1042.	5.21
4.	Prajapati, V., Patel, M.M., Jha, S.K. and Makwana, K. (2019). Direct adventitious shoot regeneration in <i>Piper longum</i> L. from spike explants. <i>International Journal of Chemical Studies</i> , 2(2): 1418-1420.	5.31
5.	Thakur, S., Thakur, S., Jha, S.K. and Sharma, D. (2019). Variability for first year growth in forty nine international clones of <i>Populus deltoides</i> . <i>International Journal of Chemical Studies</i> , 7(1): 980-982.	5.31
6.	Chauhan, R.S. , Thakur, N.S., Gunaga, R.P., Bhuva, D.C. and Jadeja, D.B. (2019). Assessment of germination attributes in Candidate Plus Tree (CPTs) of Malabar Neem (<i>Melia dubia</i> Cav.). <i>Indian Journal of Ecology</i> , 46(2):335-339.	4.96
7.	Parmar A.G., Thakur N.S. , and Gunaga, R.P. (2019). Effect of leaf aqueous extract and leaf litter of chinaberry tree as transient allelopathic influence on growth and yield of chilli and tomato. <i>Indian Journal of Horticulture</i> , 76(1): 124-132.	6.10
8.	Malek, S.S., Dobriyal, M.J. and Desai, B.S. (2019). Propagation of medicinal plant <i>Coleus forskohlii</i> (Poir) Briq. (Pathachur or Galbel). <i>ACTA Scientific Agriculture</i> , 3(3):142-146.	--
9.	Ahir, S.M., Tandel, M.B. , Patel, S.M. and Desai, M.K. (2019). Feasibility of different pulse crops under <i>Jatropha curcas</i> L. <i>International Journal of Chemical Studies</i> , 7(3): 3625-3630.	5.31
10.	Ahir, S.M., Tandel, M.B. , Desai, M.K. and Patel, S.M. (2019). Potentiality of various pulse crops under <i>Jatropha curcas</i> L. based agrisilviculture system. <i>International Journal of Chemical Studies</i> , 7(3): 2994-2999.	5.31
11.	Thakur, N.S. , Mohanty, S., Gunaga, R.P. and Gajbhiye, N.A. (2020). <i>Melia dubia</i> Cav. spatial geometries influence the growth, yield and essential oil principles content of <i>Cymbopogon flexuosus</i> (Nees Ex Steud.) W. Watson. <i>Agroforestry Systems</i> , 94(3): 985-995.	7.79
12.	Thakur, N.S. , Mohanty, S., Hegde, H.T., Chauhan R.S., Gunaga, R.P. and Bhuva, D.C. (2019). Performance of <i>Melia dubia</i> under <i>Cymbopogon</i> spp. based agroforestry systems. <i>Journal of Tree Sciences</i> 38(1): 28-34.	3.51

13.	Mohanty, S., Thakur, N.S. , Gunaga, R.P. and Gajbhiye, N. (2019). Influence of <i>Melia dubia</i> Cav. spatial geometries on growth, herbage yield and essential oil constituents of <i>Cymbopogon martinii</i> (Roxb.) Wats. <i>Journal of Essential Oil Bearing Plants</i> , 22(3): 630-648.	6.68
14.	Parmar, A.G., Thakur, N.S. and Gunaga, R.P. (2019). <i>Melia dubia</i> Cav. leaf litter allelochemicals have ephemeral allelopathic proclivity. <i>Agroforestry System</i> , 93:1347-1360.	7.79
15.	Thakur N.S. , Kumar, D., Chauhan, R.S., Hegde, H.T. and Gunaga, R.P. (2019). Allelopathic effects of <i>Melia azedarach</i> L. on germination, growth and yield of black gram and chickpea. <i>Allelopathy Journal</i> , 46(1): 133-144.	7.05
16.	Sukhadiya, M.L., Thakur, N.S. , Gunaga, R.P., Patel, V.R., Bhuvu, D.C. and Singh, S. (2019). <i>Melia dubia</i> Cav. drupe pulp: a new alternate livestock feed resource. <i>Range Management and Agroforestry</i> , 40(2): 299-305.	6.64
17.	Zekeng, J.C., Sebege, R., Mphinyane, W.N., Mpalo, M., Nayak, D. , Fobane, J.L., Onana, J.M., Funwi, F.P. and Mbolo, M.M.A. (2019). Land use and land cover changes in Doume Communal Forest in eastern Cameroon: implications for conservation and sustainable management. <i>Modeling Earth Systems and Environment</i> . https://doi.org/10.1007/s40808-019-00637-4 .	--
18.	Shrivastava, P.K. , Patel, D.P., Nayak, D., Satasiya and Patel, D.C. (2019). Harvesting and portable use of rooftop rain water to tackle imminent drinking water crisis in coastal Gujarat, India. <i>Current Journal of Applied Science and Technology</i> , 35(6)1-10.	5.32
19.	Singh, N.R. Arunachalam, A., Patel, D.P. and Viyol, S. (2019). Seasonal dynamics of litter accumulation in agroforestry systems on Navsari district, Gujarat. <i>Climate Change and Environmental Sustainability</i> , 7(2):151-156.	4.86
20.	Parmar, P.K., Mali, S.C., Arvadiya, L.K., Patel, D.P. , Viyol, S.V. and Pandey, V. (2019). Calibration and validation of CANEGRO model for sugarcane in south Gujarat region. <i>Journal of Agrometeorology</i> , 21(3): 388-391.	6.56
21.	Dwivedi, D.K. and Shrivastava, P.K. (2019). Time series modelling of monthly temperature and reference evapotranspiration for Navsari (Gujarat), India. <i>Current Journal of Applied Science and Technology</i> , 35(6):1-13.	5.32
22.	Dwivedi, D.K. and Shrivastava, P.K. (2019). Rainfall and runoff estimation of mico watersheds of coastal Navsari. <i>Journal of Soil and Water Conservation</i> , 18(1):43-51	5.08
23.	Shedage, S., Shrivastava, P.K. and Singh, N. (2019). Influence of regional weather changes on major fruit production and productivity of Navsari district of Gujarat state, India. <i>Current Journal of Applied Science and Technology</i> , 35(3):1-8.	5.32
24.	Shedage, S., Shrivastava, P.K. and Behera, L.K. (2019). Carbon rich mangrove forests: An overview for strategic management and climate change mitigation. <i>Advances in Research</i> , 18(2):1-9.	4.80
25.	Bhalawe, S., Nayak, D. and Jadeja, D.B. (2019). Carbon sequestration potential of agroforestry system in South Gujarat conditions. <i>Green Farming</i> , 1:35-40.	4.38

26.	Srivashtav, V. Jha, S. and Parekh, V. (2019). Overexpression of LmgshF from <i>Listeria monocytogenes</i> in Indica Rice Confers Salt Stress Tolerance. <i>Russian Journal of Plant Physiology</i> , 66(6), 911–921.	6.82
27.	Ramtekey, V., Bhuriya, A., Ayer, D., Parekh, V.B. , Modha, K.B., Kale, B., Vadodariya, G. and Patel, R. (2019). Molecular tagging of photoperiod responsive flowering in Indian bean [<i>Lablab purpureus</i> (L.) Sweet] <i>Indian Journal of Genetics</i> , 79 (1):264-269.	--
28.	Mogal, C.S., Jha, S., Rajkumar, B.K., Parekh, V.B. , Chauhan, D.A., and Karmarkar, N. (2019). Quantification of plant hormones and synergistic effect of PGPR on yield attributing characters of mungbean (<i>Vigna radiata</i> (L.) Wilczek). <i>International Journal of Chemical Studies</i> , 7(5):2246-2250	5.31
29.	Singh, A., Chavan, S.K., Bhandari, A.J., Parekh, V.B. , Shah, H.P., Patel, A.I. and Patel, B.N. (2019) New multipetalous variety G. Ad.1 in <i>Adenium obesum</i> . <i>International Journal of Current Microbiology and Applied Sciences</i> , 8(7):197-203.	5.38
30.	Damor, V.V., Patel, M.H., Desai, B.S. , Prajapati, V.M. and Tandel, M.B. (2019). Seed source variation in <i>Aegle marmelos</i> (L) Correa. <i>Journal of Tree Sciences</i> , 38(1):6-14.	3.51
31.	Mehta, A.A. , Behera, L.K., Jha, S.K., Dholariya, C.A. and Jadeja, D.B. (2019). Genetic divergence study for growth characters among the accessions of Safed Musli. <i>International Journal of Chemical studies</i> , 7(1):2349-2351.	5.31
32.	Mehta, A.A. , Behera, L.K., Dholariya, C.A., Tandel, M.B. and Jadeja, D.B. (2019). Genetic variability and correlation study for growth characters among the accessions of Safed Musli. <i>International Journal of Chemical Studies</i> , 7(1): 409-411.	5.31
33.	Dhaka, R.K., Sinha, S.K. , Gunaga, R. and Thakur, N.S. (2019). Modification in protocol for estimation of Klason-lignin content by gravimetric method. <i>International Journal of Chemical Studies</i> , 7(5): 2661-2664.	5.31
34.	Sinha, S.K. , Behera, L.K., Mehta, A.A. and Shrivastava, P.K. (2019). Dendroclimatological approach in plantation management of teak (<i>Tectona grandis</i>). <i>Indian Journal of Agricultural Sciences</i> ; 89(12):55-59.	6.23
35.	Sinha, S.K. , Chaudhari, P.A., Thakur, N.S., Jha, S.K. Patel, D.P. and Dhaka, R.K. (2019). <i>Melia dubia</i> Cav. wood properties vary with age and influence the pulp and paper quality. <i>International Wood Products Journal</i> , 10 (4):139-148.	6.36
36.	Bhuva, D.C., Gunaga, R.P. , Thakur, N.S. and Bhusara, J.B. (2019). Seed and germination attributes in <i>Sterculia urens</i> Roxb. populations in South Gujarat. <i>Journal of Tree Science</i> , 38(1), 23-27.	3.51
37.	Hegde, H.T., Gunaga, R.P., Thakur, N.S., Bhusara, J.B. and Soundarva, R.L. (2019). Utilization of mahua resource: traditional knowledge as a tool for sustainable management. <i>Current Science</i> , 117(10):1727-1730.	6.88

	Book Chapter	
1.	Thakur, N.S., Suvera, A.H., Jha, S.K. and Patel, D.B. (2019). Growth performance, essential oil recovery and financial flows of <i>Ocimum</i> spp. under <i>Pongamia pinnata-Ocimum</i> spp. based silvi-medicinal agroforestry systems. In: Dev I, Ram A, Kumar N, Singh R, Kumar D, Uthappa A R, Handa A K and Chaturvedi O P (Eds), Agroforestry for climate resilience and rural livelihood. Scientific Publishers, Jodhpur. Pp. 335-344. ISBN: 9789387307063	--
	Popular Articles	
1.	Dhaka, R.K., Jha, S.K. and Chaudhari, C. (2019). Good farming practices of teak in India. <i>Readers Shelf</i> , 15(7):10-11.	--
2.	Dholariya, C.A., Sukhadiya, M., Behera, L.K. , Desai, B.S., Huse, S.A. and Mehta, A.A. 2019. Utilization and silviculture of a lesser known tree species: <i>Sterculia villosa</i> Roxb. <i>Van Sangyan</i> , 6(4):16-18.	--
3.	Sukhadiya, M., Dholariya, C.A., Behera, L.K. , Mehta, A. A., Sinha, S.K. and Patel, S.M. (2019). Biography of lesser known and medicinal tree species marking nut (<i>Semecarpus anacardium</i> L.), <i>MFP News</i> , 29(1):9-13.	--
4.	Sukhadiya, M., Dholariya, C.A., Behera, L.K. , Mehta, A.A., Huse, S.A. and Gunaga, R.P. (2019). Indian kino tree (<i>Pterocarpus marsupium</i> Roxb.): Biography of excellent timber tree species. <i>MFP News</i> , XXIX (1):4-8.	--
5.	Dholariya, C.A., Sukhadiya, M., Behera, L.K. , Mehta, A.A., Nayak, D. and Patel, S.M. (2019). <i>Dalbergia lanceolaria</i> L. f.: Prospect of a lesser known tree species in India. <i>Van Sangyan</i> 6(4):9-11.	--
6.	Sukhadiya, M., Dholariya, C.A., Behera, L.K. , Mehta, A.A., Shrivastava, P.K. and Patel, S.M. (2019). Prospective of lesser known tree species: Malabar orchid (<i>Bauhinia malabarica</i> Roxb.). <i>Van Sangyan</i> , 6(4):12-14.	--
7.	Sukhadiya M., Dholariya C.A., Behera L.K. , Mehta A.A., Patel S.M. and Dobriyal M.J. (2019). Overview of lesser known and medicinal tree Tanachh: <i>Ougeinia oojeinensis</i> . <i>Van Sangyan</i> , 6(3): 9-13.	--
8.	Behera, L.K. , Gunaga, R.P., Sinha, S.K., Sukhadiya M., Dholariya, C.A. and Prajapati, V.M. (2019). <i>Stereospermum chelonoides</i> : Prospective of a lesser known and medicinal tree. <i>Van Sangyam</i> , 6(6):1-4.	--
9.	Dholariya, C.A., Sukhadiya, M., Behera, L.K. , Mehta, A.A., Patel, S.M. and Bhusara, J. (2019). <i>Mallotus philippinensis</i> : Overall outlook of a multipurpose medicinal tree. <i>Van Sangyan</i> , 6(7):7-10.	--
10.	Sukhadiya, M., Dholariya, C.A., Behera, L.K. , Nayak, D. Mehta, A.A. and Sondarva, R.L. (2019). <i>Miliusa tomentosa</i> : A lesser known tree species. <i>Van Sangyan</i> , 6(7):23-24.	--
11.	Sukhadiya, M., Dholariya, C.A., Behera, L.K. , Mehta, A.A., Patel, D.P. and Gunaga, R.P. (2019). Commercial utilization and propagation of Gum Karaya (<i>Sterculia urens</i> Roxb.) <i>MFP News</i> , XXIX(3):5-8.	--
12.	Behera, L.K. , Gunaga, R.P., Thakur, N.S., Mehta, A.A., Sukhadiya, M. and Dholariya, C.A. (2019). <i>Oroxylum indicum</i> : Detail on a medicinally important and rare tree species of India. <i>MFP News</i> , XXIX(3):9-12.	--

13.	Sukhadiya, M., Dholariya, C.A., Behera, L.K. , Mehta, A.A., Shrivastava, P.K. and Desai, B.S. (2019). Silviculture and utilization of a lesser known tree species: <i>Albizia procera</i> . MFP News, XXIX(2):8-13.	--
14.	Behera, L.K. , Mehta, A.A., Sukhadiya, M., Dholariya, C.A., Patel, D.P. and Desai, B.S. (2019). Commercial utilization and nursery practices of Anjan (<i>Hardwickia binata</i> Roxb.): A MPTs. MFP News, XXIX(2):4-6.	--
15.	Hegde, H.T. , Gunaga, R.P. and Thakur, N.S. (2019). Current trends and future prospects for utilization of Mahua resources. <i>Van Sangyan</i> , 6(2):7-11.	--
