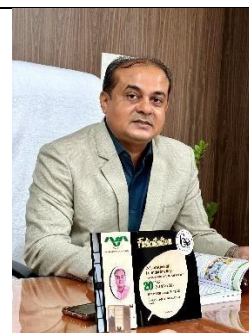


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**Dr. M. B. Tandel**

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Research Gate: <https://www.researchgate.net/profile/M-B-Tandel>

## Experience

Sr. No.	Designation	Institution	Month / Year
1.	I/C Dean	College of Forestry, NAU, Navsari	March 1, 2024 to Cont.
2.	(I/C) Head & Professor – Department of Silviculture and Agroforestry	College of Forestry, NAU, Navsari	October 15, 2024 to Cont.
3.	(I/C) Head & Associate Professor - Department of Silviculture and Agroforestry	College of Forestry, NAU, Navsari	August 13, 2019 to Cont.
4.	Assistant Professor (Forestry)	College of Forestry, NAU, Navsari	March 19, 2009

## Education

<b>2009</b>	Ph.D. Forestry – Agroforestry & Ecology, Navsari Agricultural University, Navsari Campus	First Class with Distinction	ASPEE Foundation Gold Plated Silver Medal
<b>2005</b>	M. Sc. Forestry (Agroforestry), Gujarat Agricultural University, Navsari Campus	First Class with Distinction	Chancellor Gold Medal
<b>2001</b>	B. Sc. Forestry, Gujarat Agricultural University, Navsari Campus	First Class with Distinction	Vice Chancellor Gold Medal

## Membership

- (i) Life Membership of The Gujarat Association for Agricultural Sciences, Ahmedabad
- (ii) Life Member of Soil Conservation Society of India
- (iii) Life Member of Indian Society of Agroforestry

## Students Guiding

M. Sc.		Ph. D.	
Guided so far	On Hand	Guided so far	On Hand
13	--	6	4

## Research Publications

Sr. No.	Publication	:	National	International	Total
1.	Full length Research articles	:	59	02	61
2.	Research Notes/ Correspondence	:	--	--	--
3.	Review articles	:	01	--	--
4.	Paper presented as Oral/Poster in seminars/conferences/workshops	:	19	--	19
5.	Chapters in Book/ Proceedings	:	--	--	--
6.	Popular articles in Magazines/ Newspaper	:	22	--	07
7.	Bulletins/ handouts/pamphlets	:	02	--	02
8.	Laboratory Manuals	:	04	--	04
9.	Recommendations	:	10	--	10

### Active participation in following Research Projects

<b>Handling of Research Projects</b>					
<b>1. Completed Projects</b>					
	<b>Title of the project</b>	<b>Funding agency</b>	<b>Period (From – to)</b>	<b>Involvement (PI/Co-PI)</b>	<b>Status (Completed/ ongoing)</b>
1.	Development of aqua-agroforestry model for Dandi village	RKVY	01-04-2012 to 31.03.2013	Project In-charge	Completed
2.	Carbon sequestration potential of different farming systems of South Gujarat	Plan Project	2012-2014	Co - Project In-charge	Completed
3.	Promotion of scientific management of Palmyra Palm	RKVY	01-04-2012 to 31.03.2015	Co - Project In-charge	Completed

<b>2. On hand Projects</b>					
	<b>Title of the project</b>	<b>Period (From– to)</b>	<b>Involvement (PI/Co-PI)</b>	<b>Status (Completed/ ongoing)</b>	<b>Recommendations (in case of completed project)</b>
1.	Strengthening of College of Forestry – Phase - II	2011-12 to Till date	PI	Ongoing	-
2.	A pilot project for development of aqua-agroforestry model for coastal area of South Gujarat - Dandi	2013-14 to Till date	PI	Ongoing	-
3.	Strengthening of College of Forestry	2021-22 to Till date	PI	Ongoing	-
4.	Development of bamboo resource center	2013-14 to Till date	Co-PI	Ongoing	-

**Research Outcomes in the form of recommendations / practices for farmers /scientific community / policy makers**

**1. Integrated nutrient management of Brinjal (*Solanum melongena* L.) under Teak (*Tectona grandis* L.) based Silvi-horticultural system in South Gujarat region: M. B. Tandel *et al.***

**Recommendation:** Farmers of South Gujarat growing Brinjal (*Solanum melongena* L.) var. GNRB-1 as an intercrop under Teak having spacing of 3 x 2 m are recommended to apply 100 % RDF (100:50:50 NPK/ha) or 75 % RDN + 25 % Neem cake on the basis of cultivated area (6670 m<sup>2</sup>) in teak based silvi-horticultural system to get additional income and higher production. It also increased fertility status of soil as well as growth of teak. [AGRESKO - 2021]

**2. Effect of different pre-sowing treatments on germination of Red Sanders (*Pterocarpus santalinus* L. f.): M. B. Tandel *et al.***

**Recommendation:** Nurseryman and forest dwellers/ farmers are recommended to soak pods of Red Sanders (*Pterocarpus santalinus* L. f.) in GA<sub>3</sub> @ 500 mg/l for 1 day followed by sowing in the month of March in sand bed for sprouting and then after transplanting at two leaves stage in to growing media of Soil: Sand: FYM (2:1:2) to enhance seed germination and seedling growth. [AGRESKO - 2022]

**Note:** Dilute 500 mg of GA<sub>3</sub> in 100 ml of water along with 5-10 ml of alcohol. Mix it properly till GA<sub>3</sub> dissolved and make final volume up to 1 litre.

**3. Growth and yield of Tannia (*Xanthosoma sagittifolium* L. Schott.) as affected by different pruning intensities of tree crops- Sandip. M. Patel *et al.***

**Recommendation:** The farmers of South Gujarat heavy rainfall zone (AES- III) growing *Terminalia arjuna*- Arjun Sadad, *Mitragyna parvifolia* -Kalam and *Adina cordifolia*- Haldu at 10 X 2.5 m spacing and growing Tannia as an intercrop are advised to remove side branches up to 1/3 height of trees from ground level which is helpful in maximum utilization of land with additional income. [Agresko-2015]

**4. Rapid multiplication of *Dendrocalamus strictus* Nees. through in vitro regeneration techniques from juvenile explants- Jayesh Pathak *et al.***

**Recommendation:** It is recommended to scientific community and tissue culture industries involved bamboo tissue culture that to get rapid multiplication of *Dendrocalamus strictus* L. through in vitro regeneration from juvenile explants using tissue culture technique for large scale multiplication of the plantlets in which farmers can get true to type plants with all the advantages of vegetative propagation (clonal propagation). it is recommended to use auxiliary bud as explants source and absolute alcohol (100%) for 30 Sec + mercuric chloride (0.1%) for 4 min. for contamination control and maximum establishment. Whereas, for culture establishment and for shoot multiplication it is advise to use MS liquid media with 2.0 mg/lit BAP. However, for rooting it is advice to use MS + 1.5mg/l NAA + 3mg/l IBA and for acclimatization it is advice to use FYM+ Soil + Cocopeat (1:1:1). [AGRESKO-2015]

**5. Rapid multiplication of *Bambusa vulgaris* through in vitro regeneration techniques from juvenile explants- Jayesh Pathak *et al.***

**Recommendation:** It is recommended to scientific community and tissue culture industries involved bamboo tissue culture that to get rapid multiplication of *Bamboosa vulgaris* L. through in vitro regeneration from juvenile explants using tissue culture technique to use auxiliary bud as explants source and absolute alcohol (100%) for 30 Sec + mercuric chloride (0.1%) for 4 min. for contamination control and maximum establishment. Whereas, for shoot multiplication, culture established on simple MS media followed MS +

1mg/l BAP + 0.25 Kin. However, for rooting it is advice to use MS + 20mg/l IBA which gives highest rooting percentage and for acclimatization FYM + Soil + Cocopeat (1:1:1). [AGRESO-2015]

**6. Performance of turmeric (*Curcuma longa*) grown as an intercrop under different tree species in South Gujarat conditions: Mahesh K. Desai *et al.***

**Recommendation:** The farmers of South Gujarat heavy rainfall zone – I (AES- III) growing *Mitragyna parvifolia* (Kalam), *Adina cordifolia* (Haldu) and *Gmelina arborea* (Sevan) at 10 X 2.5 m spacing are advised to grow Turmeric Variety – Sugandham planted at 30 x 15 cm spacing 55 having 19 rows as an intercrop in plantation of *Gmelina arborea* (Sevan) for additional income. [AGRESO-2016]

**7. Effect of different tree species leaf leachate on germination and seedling growth of some vegetable crops: Mukesh R. Parmar *et al.***

**Recommendation:** The leaf leachates of various tree species reduced germination and growth parameters of different vegetable crops in laboratory as well as in nursery condition. The percentage of inhibition was maximum in Eucalyptus as compared to other tree species leaf leachates in laboratory as well as in nursery condition. Moreover, the percentage of inhibition was minimum in Teak. The different vegetable crops have different mode of inhibition during the study. In both the growing conditions Brinjal (*Solanum melongena*), Okra (*Abelmoschus esculentus*) and Tomato (*Lycopersicon esculentum*) performed better for all parameters under study for the respective years of investigation while, V5: Chilli (*Capsicum anum*) performed poor for all the parameters under study. In case of leachates concentration, all the parameters under study were decreased as the concentration of leaf leachates increased in both the growing conditions. This response showed concentration dependent phenomenon as highest inhibitory effects were observed with 20 % leaf leachate concentration of all the tree species. [AGRESO-2016]

**8. Evaluation of carbon sequestration potential of different bamboo species in South Gujarat: Dr. Jayesh Pathak *et al.***

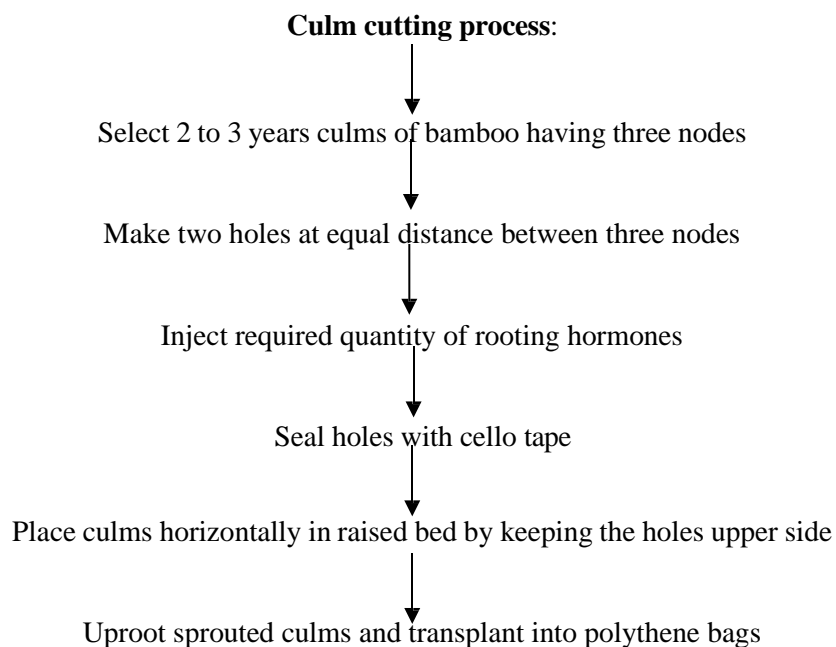
**Recommendation:** The farmers of South Gujarat heavy rainfall zone-I are advised to grow plantation of *Bambusa vulgaris* (green) for higher biomass and carbon sequestration. The thin walled and long internode bamboo species *Schizostachym pergracile* and *Schizostachym dullooa* are recommended for kite industry [AGRESO-2017]

**9. Performance of cucurbitaceous vegetable crops under Teak based Silvi-Horticultural system in South Gujarat: Sandip. M. Patel *et al.***

**Recommendation:** Farmers of south Gujarat heavy rainfall zone-I, AES-III, growing teak at 3m X 2m spacing are advised to grow Smooth gourd and Bottle gourd (Cucurbitaceous vegetable crop) as an intercrop in Rabi season under teak based silvi-horticultural system to get additional income as compared to sole plantation of mature teak crop. [AGRESO-2019]

**10. Macro propagation of different bamboo species by Culm Cutting with different root hormone treatments: Jayesh Pathak *et al.***

**Recommendation:** Farmers/nursery entrepreneurs of Gujarat are recommended to use 2 to 3 years culms of bamboo in the month of February-March by making two holes between two nodes and inject 120 ml (60 ml + 60 ml) NAA 500 ppm in *Bambusa balcooa*, 120 ml (60 ml + 60 ml) IBA 500 ppm in *Bambusa bambos* and *Dendrocalamus stocksii* and 120 ml (60 ml + 60 ml) IBA 200 ppm in *Bambusa vulgaris* var. *vulgaris* followed by sealing of holes for large scale propagation by culm cutting technique in the following manner.. [AGRESO-2022]



**11. Effect of windbreak (*Casuarina equisetifolia* L.) on productivity of paddy in South Gujarat: Vijay M. Prajapati *et al.***

**Recommendation:** The Farmers of South Gujarat heavy rainfall zone-I are recommended that paddy grown under single line windbreak of *Casuarina equisetifolia* L.) planted at 1 m spacing in north-south direction having average of height of 20 m and DBH of 28 cm on the farm boundary reduced the lodging damage and improved the paddy yield as well as soil quality as compared to paddy grown in open plot (without any windbreak). [AGRESO - 2023].

**12. Rapid multiplication of *Dendrocalamus hamiltonii* through invitro regeneration techniques from nodal explants: Jayesh Pathak *et al.***

**Scientific Information:** In bamboo species *Dendrocalamus hamiltonii*, contamination control by Absolute Alcohol (70%) for 30 Sec + Mercuric Chloride (0.1%) for 5 Min followed by shoot multiplication in MS + 4.0 mg/l BAP and rooting in 3mg/l IBA + 3mg/l IAA + 2% Sucrose and final acclimatization in Soil + sand + Vermicompost (1:1:1) media results in rapid multiplication through *in vitro* regeneration techniques from nodal explant. [AGRESO - 2024].

Sr. No.	Research Paper in National and International Journal
1.	M. B. Tandel, M. U. Kukadia, B. N. Kolambe and D. B. Jadeja (2009). Influence of tree cover on physical properties of soil. <i>Indian Forester</i> , <b>135</b> (3): 420-424.
2.	V. M. Prajapati, D. Nayak, M. R. Parmar, M. B. Tandel and N. S. Patil. Performance of <i>Curcuma longa</i> L. grown as an intercrop under different tree species. <i>Journal of Non-timber Forest Products</i> , <b>19</b> (1): 5-8.
3.	Shailendra Bhalave, M. U. Kukadia, M. B. Tandel and D. Nayak (2012). Leaf litter decomposition rate in different multipurpose trees (2012). <i>Journal of Tropical Forestry</i> , <b>28</b> (III): 1-12.
4.	Vishnu Kanwar Solanki, M. U. Kukadia, S. R. Patel and M. B. Tandel (2012). Effect of different plant growth regulators on rooting in cuttings of Khair ( <i>Acacia catechu</i> Willd). <i>Journal of Tropical Non-timber Forest Products</i> , <b>19</b> (2): 89-92.
5.	V.S. Patel, N.S. Patil and M.B. Tandel (2013). Germination of <i>Terminalia Bellerica</i> (Gaertn.) Roxb. as affected by various potting media (2013). <i>Indian Forester</i> , <b>139</b> (1): 33-36.
6.	S. M. Patel, M. B. Tandel, M. K. Desai and J. G. Pathak (2013). Biomass and nutrient uptake of <i>Jatropha curcas</i> L. as affected by various bio-fertilizers. <i>Journal of Tropical Non-timber Forest Products</i> , <b>20</b> (1): 33-35.
7.	R. M. Patel, M. B. Tandel, S. M. Patel, and M. K. Desai (2013). Influence of <i>Casuarina equisetifolia</i> L. raised at different spacings on fertility status of soil and tree growth. <i>Journal of Tropical Non-timber Forest Products</i> , <b>20</b> (1): 43-45.
8.	M. R. Parmar, M. B. Tandel, V. M. Prajapati and D. B. Jadeja (2013). Forests – Their role in climate change – A Brief Review. <i>Journal of Non-Timber Forest Products</i> , <b>20</b> (4): 271-272
9.	K. N. Prajapati, M. B. Tandel, S. M. Patel and M. K. Desai (2013). Effect of different levels of fertilizer and spacing on growth and nutrient content in soil and leaves of <i>Jatropha curcas</i> L. (2013). <i>Journal of Non-Timber Forest Products</i> , <b>20</b> (4): 257-260.
10.	M. K. Desai, M. B. Tandel, S. M. Patel and J. G. Pathak (2013). Soil amelioration through tree cover. <i>Journal of Non-Timber Forest Products</i> . <b>20</b> (3): 185-188.
11.	Paresh Gayakwad, M. B. Tandel, M. R. Parmar and D. B. Jadeja (2013). Medicinal plants used to cure different diseases by Tribals of Mahal village of Dangs district, Gujarat, India. <i>Bioinfolet</i> , <b>10</b> (4 A): 1153-1155.
12.	M. R. Parmar, D. B. Jadeja, M. B. Tandel and N. K. Patel (2014). Effect of pruning intensities and different levels of fertilizer on <i>Jatropha curcas</i> L. under irrigated condition. <i>Indian Forester</i> , <b>140</b> (1): 46-52.
13.	M.B. Tandel, M.U. Kukadia, M.R. Parmar and N.K. Patel (2014). Molecular variations among different accessions of <i>Jatropha curcas</i> L. <i>Indian Forester</i> , <b>140</b> (9): 857-861.
14.	Swati Shedage, N. S. Patil and M. B. Tandel (2014). Efficacy of microsymbiont in relation to salt stress in teak seedling. <i>International Journal of Agricultural Sciences</i> , <b>10</b> (2): 661-666.
15.	Paresh Gayakwad, D. B. Jadeja, M. B. Tandel, M. R. Parmar, Shailendra Bhalawe and D. Nayak (2014). Effect of foliar application of GA <sub>3</sub> , ethereal and copper sulphate on flowering behaviour and yield of <i>Jatropha curcas</i> L. <i>The Bioscan</i> , <b>9</b> (2): 485-490.
16.	Paresh Gayakwad, D. B. Jadeja, M. B. Tandel, M. R. Parmar, Shailendra Bhalawe and D. Nayak (2014). Effect of foliar application of GA <sub>3</sub> , ethereal and copper sulphate on fruit and yield of <i>Jatropha curcas</i> L. <i>Indian Forester</i> , <b>140</b> (12): 1189-1193.
17.	Vishnu Kanwar Solanki, D. B. Jadeja and M. B. Tandel (2014). Performance of herbal medicinal crops under sapota – jatropha based three tier agroforestry system. <i>International Journal of Agricultural Sciences</i> , <b>10</b> (1): 267-271.



18.	Shailendra Bhalave, D. B. Jadeja, M. B. Tandel, P. Gayakwad and D. Nayak (2014). Atmospheric carbon capturing potential of block plantations. <i>Research in Environment and Life Science</i> , <b>7</b> (1): 31-36.
19.	R. M. Patel, M. B. Tandel, S. M. Patel, M. K. Desai, M. R. Parmar and V. M. Prajapati (2015). Physico – Chemical properties of soil as affected by <i>Casuarina equisetifolia</i> L. <i>Journal of Tropical Forestry</i> , <b>3</b> (III):
20.	J. R. Chavda, B. S. Desai, S. K. Jha, M. B. Tandel and D. P. Patel (2015). Effect of PGR on clonal propagation of Madhunashini ( <i>Gymnema sylvestre</i> R. BR.) through rooted cutting. <i>The Bioscan</i> , <b>10</b> (4): 1645-1648.
21.	S. M. Patel, M. B. Tandel, M. K. Desai, M. R. Parmar and V. M. Prajapati (2016). Effect of Bio-fertilizers on growth of <i>Jatropha curcas</i> L. <i>Journal of Tropical Forestry</i> , <b>32</b> (I): 69-72.
22.	Bhasotiya, H. C. and Tandel, M. B. (2017). Influence of Potting Mixtures on Germination, Growth and Survival of <i>Ailanthus excelsa</i> . <i>Trends in Biosciences</i> , <b>10</b> (3):1122-1124.
23.	Kazi, A. A.; Tandel, M. B.; Pathak, J. G. and Prajapati, D. H. (2017). Potentiality of colocasia intercrop under naturally occurring Palmyra Palm ( <i>Borassus flabellifer</i> L.). <i>Journal of Tree Sciences</i> , <b>36</b> (1):58-61.
24.	Mehta, A. A.; Tandel, M. B.; Patel, D. P.; Behera, L. K.; Prajapati, D. H. and Jadeja, D. B. (2017). Yield performance of <i>Chlorophytum borivilianum</i> Sant. & Fern and accessions in Moringa based Agroforestry system. <i>International Journal of Agriculture Sciences</i> , <b>9</b> (10):3976-3979.
25.	Behera, L.K.; Jha, S. K.; Gunaga, R. P.; Nayak, D.; Tandel, M. B. and Jadeja, D. B. (2017). Genetic variability and correlation study for growth characters among clones of <i>Eucalyptus</i> . <i>International Journal of Chemical Studies</i> , <b>5</b> (6):763-765.
26.	Pathak, J. G.; Tandel, M. B.; Amlani, M. H.; Chavda, J. R. and Prajapati, D.H. (2017). Growth evaluation of long internode Bamboo species in South Gujarat. <i>Journal of Tree Sciences</i> , <b>36</b> (2):40-44.
27.	Amlani, M. H.;Tandel, M. B.; Prajapati, V. M.; Pathak, J.G. and Behera, L. K. (2017). Assessment of growth variation among different species of Bamboo. <i>International Journal of Chemical Studies</i> , <b>5</b> (6):1436-1439.
28.	Shah, H. P.; Alka Singh; Patel, D. P. and Tandel, M. B. (2018). Influence of Inorganic fertilizers on growth and yield of Dendrobium Orchid cv. Sonia 17. <i>Int. Curr. Microbiol. App. Sci.</i> , <b>7</b> (11): 299-304.
29.	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 santalinus</i> L. f.) in Net house condition. <i>International Journal of Chemical Studies</i> , <b>6</b> (2): 876-879.
30.	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> , <b>6</b> (3):1224-1227.
31.	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> , <b>6</b> (2):119-123.
32.	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 santalinus</i> L. f.) in Poly house condition. <i>International Journal of Chemical Studies</i> , <b>6</b> (4): 162-165.
33.	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> , <b>6</b> (4): 519-522.



34.	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>Int. J. Curr. Microbiol. App. Sci.</i> <b>7</b> (5):3533-3542.
35.	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 santalinus</i> L. f.) in Net house condition. <i>International Journal of Chemical Studies</i> , <b>6</b> (2): 876-879.
36.	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> , <b>6</b> (3):1224-1227.
37.	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> , <b>6</b> (2):119-123
38.	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 santalinus</i> L. f.) in Poly house condition. <i>International Journal of Chemical Studies</i> , <b>6</b> (4): 162-165.
39.	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> , <b>6</b> (4): 519-522.
40.	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>Int. J. Curr. Microbiol. App. Sci.</i> <b>7</b> (5):3533-3542.
41.	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> , <b>6</b> (5): 259-264.
42.	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> , <b>7</b> (5): 273-276.
43.	H. K. Deshmukh*, M. B. Tandel, R. P. Gunaga, N. S. Thakur, M. J. Dobriyal, Narendra Singh, H. N. Chhatrola and R. J. Mevada (2020). Three Decades of Review on Existing Agroforestry Systems and Practices in South Gujarat. <i>International Journal of Current Microbiology and Applied Sciences</i> , <b>9</b> (8): 2973-2978.
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Sr. No.	<b>Research papers in Poster presentation</b>
1.	Important trees for environment moderation M. B. Tandel State level seminar on Organic Farming, 2010, Page No. 175 -176.
2.	Feasibility of growing different pulse crops with forest tree species under agroforestry system D. J. Parekh, M. B. Tandel, B. N. Kolambe and N. S. Patil Poster Presentation: National Seminar on: Interventions for Environmental Moderation, Page No. 43
3.	Effect of Fertilizer and Spacing on Growth of <i>Jatropha curcas</i> L. K. N. Prajapati, M. B. Tandel, D. J. Partekh, B. N. Kolambe and N. S. Patil Poster Presentation: National Seminar on: Interventions for Environmental Moderation, Page No. 48
4.	Effect of Different Tree Species on Soil Amelioration M. K. Desai, M. B. Tanddel, D. J. Parekh, B. N. Kolambe and B. G. Vashi Poster Presentation: National Seminar on: Interventions for Environmental Moderation, Page No. 48
5.	Soil amelioration through tree cover M. B. Tandel, M. U. Kukadia, B. N. Kolambe, D. J. Parekh and D. B. Jadeja Poster Presentation: National Seminar on: Interventions for Environmental Moderation, Page No. 50
6.	Improvement of chemical properties of soil through tree cover M. B. Tandel, M. U. Kukadia, B. N. Kolambe, D. J. Parekh and D. B. Jadeja Poster Presentation: National Seminar on: Interventions for Environmental Moderation, Page No. 51
7.	Performance of <i>Colocasia esculenta</i> L. grown as an intercrop under tree species. S. M. Ahir, M. B. Tandel, D. J. Parekh, B. N. Kolambe and B. G. Vashi Poster Presentation: National Seminar on: Interventions for Environmental Moderation, Page No. 56
8.	Effect of various seed weight classes and depth of planting on germination behaviour growth and biomass of <i>Terminalia bellerica</i> , <i>T. Arjuna</i> and <i>Madhuca indica</i> . Ambuj Ranjan, M. B. Tandel, D. J. Parekh, B. N. Kolambe and M. U. Kukadia Poster Presentation: National Seminar on: Interventions for Environmental Moderation, Page No. 81
9.	Germination behaviour of white Teak, Teak, Mahuva, Indian Rosewood and Bahera as influenced by size of seed. K. Gautam, M. B. Tandel, D. J. Parekh and M. U. Kukadia Poster Presentation: National Seminar on: Interventions for Environmental Moderation, Page No. 87
10.	Effect of Biofertilizer on growth and Biomass in <i>Jatropha curcas</i> L. S. M. Patel, M. R. Chamar, N. K. Patel, M. B. Tandel and N. S. Patil Poster Presentation: National Seminar on: Interventions for Environmental Moderation, Page No. 94
11.	Raab Cultivation and Forest fire for sustainable development. A. A. Kazi and M. B. Tandel Poster Presentation: International Conference on Global Warming: Agriculture, Sustainable Development and Public Leadership, Page No. 47

12.	Yield of Tannia ( <i>Xanthosoma sagittifolium</i> L. Schoott.) as affected by different pruning intensities of tree crops S. M. Patel, M. B. Tandel, M. K. Desai, M. R. Parmar and V. M. Prajapati Souvenir: National Seminar on Agroforestry: An evergreen Agriculture for food security and environmental resilience, Page No. 11
13.	Turmeric ( <i>Curcuma longa</i> ) as an intercrop under different tree species in South Gujarat condition. M. K. Desai, M. B. Tandel, S. M. Patel, M. R. Parmar and V. M. Prajapati Souvenir: National Seminar on Agroforestry: An evergreen Agriculture for food security and environmental resilience, Page No. 17
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15.	Efficacy of some fodder crops grown under Kalam and Arjun in South Gujarat condition. Ramraj Meena, D. B. Jadeja, M. B. Tandel, M. R. Parmar and Jayesh Pathak Souvenir: National Seminar on Agroforestry: An evergreen Agriculture for food security and environmental resilience, Page No. 37
16.	Effect of different time and intensities of pruning on yield of <i>Jatropha curcas</i> L. D. J. Parekh, D. B. Jadeja, B. N. Kolambe and M. B. Tandel Souvenir: National Seminar on Agroforestry: An evergreen Agriculture for food security and environmental resilience, Page No. 55
17.	Role of Agroforestry systems in climate change. Bhagirath Singh Meena, J. G. Pathak, M. R. Parmar, M. B. Tandel and D. B. Jadeja Souvenir: National Seminar on Agroforestry: An evergreen Agriculture for food security and environmental resilience, Page No. 62
18.	Factors effecting <i>In-vitro</i> propagation of <i>Dendrocalamus stictus</i> . J. G. Pathak, R. R. Shah, V. Parekh, M. B. Tandel and R. S. Chauhan Souvenir: National Seminar on Agroforestry: An evergreen Agriculture for food security and environmental resilience, Page No. 80
19.	Influence of Deoiled seed cake as fertilizer on growth of Rosewood ( <i>Dalbergia latifolia</i> Roxb.) seedlings. S. Kumar, N. S. Patil, M. B. Tandel, J. G. Pathak and D. P. Patel Souvenir: National Seminar on Agroforestry: An evergreen Agriculture for food security and environmental resilience, Page No. 116
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<b>Sr. No.</b>	<b>Practical Manuals</b>
1.	Plantation Forestry M. B. Tandel, M. U. Kukadia and S. K. Jha
2.	Forest Mensuration L. K. Behera, A. A. Mehta, R. P. Gunaga, M. B. Tandel and D. B. Jadeja
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4.	Agroforestry Systems and Management Jayesh Pathak, M. B. Tandel, D. P. Patel, M. K. Desai and S. M. Patel

Sr. No.	Booklets
1.	Eucalyptus Gall insect <i>Leptocybe invasa</i> in South Gujarat S. P. Saxena, V. M. Prajapati, M. R. Chamar, M. B. Tandel, R. S. Chauhan, D. B. Jadeja
2.	Scientific Management of Palmyra Palm Jayesh Pathak, V. M. Prajapati, M. B. Tandel and A. A. Kazi
3.	Scientific Management of Bamboo Jayesh Pathak, V. M. Prajapati, M. B. Tandel, A. A. Kazi and S. K. Sinha

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1.	જલ સંચયના એકમો અને તેની ઉપયોગીતા (Watershed Structures and its Utility) Jal sanchay na ekmo ane teni upyogita D. B. Jadeja, M. B. Tandel, S. M. Patel, M. R. Parmar and M. K. Desai Krishi Jivan 43 (2) September 2010, Page No. 9-10
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4.	ભીલામો : એક ભય ગ્રસ્ત વૃક્ષ [Bhilamo ( <i>Semecarpus anacardium</i> L.F.) – A threatened tree] B. G. Vashi, D. B. Jadeja, M. B. Tandel Srushti 47, Page No. 19
5.	કોદારો: એક ભય ગ્રસ્ત વૃક્ષ [Kodaro ( <i>Sterculia colorata</i> Roxb.)- A threatened tree] B. G. Vashi, D. B. Jadeja, M. B. Tandel Srushti 47, Page No. 22
6.	સારડોલ : એક ભય ગ્રસ્ત વૃક્ષ [Sardol ( <i>Sterculia villosa</i> Roxb.)- A threatened tree] B. G. Vashi, D. B. Jadeja, M. B. Tandel, M. R. Chamar Srushti 47, Page No. 24
7.	સફેદ સીમડો: એક ભય ગ્રસ્ત વૃક્ષ [Semal ( <i>Bombax ceiba</i> Wall.)- A threatened tree] B. G. Vashi, D. B. Jadeja, M. B. Tandel, M. R. Chamar Srushti 47, Page No. 25
8.	ચંદનની વૈજ્ઞાનિક ખેતી (Scientific management of Sandalwood [ <i>Santalum album</i> L.] V.M. Prajapati, M. B. Tandel and Jayesh Pathak Ek Praysh- Krushi Vikas Mashik, (7) April 2013, Page No. 28-29
9.	ગુજરાતમાં ક્લોનલ પદ્ધતિથી વૃક્ષોનું સંવર્ધન (Clonal Propagation of trees in Gujarat) V.M. Prajapati, M. B. Tandel, M.K. Desai and S. A. Huse Krishi Govidhya, 66 (7) [787] November 2013, Page No. 33
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11.	વાંસનું વૈજ્ઞાનિક વ્યવસ્થાપન (Scientific management of Bamboo) Jayesh Pathak, V.M. Prajapati, M. B. Tandel, A. A. Kazi and S. K. Sinha University Prakashan No. 25/2015-16, Page No. 1-22
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