

Study on Sacred Groves of Dediapada Taluka, Narmada District, Gujarat, India

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Abstract

Nature is very important for human beings as it provides shelter, food, timber, water, and many other things without expecting any return from humans. Nature is protected by human beings because of their cultural and religious beliefs which often assist direct and indirect conservation. Various age old religious practices, traditions and beliefs of local people bring them closer to nature and biodiversity. The concept of sacred groves and conservation of nature has long been interlinked. Sacred groves are the forest patches managed and conserved by local people whose lives (including their cultural and religious practices) are intertwined with the forests. These places are protected as they believe that the god, goddess or their ancestral spirits reside there. Data on a total of 33 sacred groves with their location, area covered and botanical information regarding the sacred plants was collected from the Bhil-Vasava tribe and recorded from Dediapada taluka.

KEYWORDS: Sacred groves, Bhil-Vasava tribe, Dediapada taluka, Narmada district, Gujarat.

Introduction:

D.D.Kasambi (1962) stated that places which are dedicated to local gods were places where patches of forest are found. At those places cutting of plants and killing of animals is not allowed and they are protected by local people. Sacred groves are places which are holy and connected with certain cultural and religious beliefs and because of that the vegetation around is conserved. M. Gadgil et al., (2002) defined Sacred groves as the most valuable heritage from our ancestors for the conservation of nature. The concept of conservation and sacred grove has been interlinked and various beliefs of local people, old religious practices and traditions bring them closer to nature and biodiversity (Malsatar A.P. et al., 2017). Sacred trees, which are worshipped by indigenous people and which are associated with sacred groves because of their culture and religious importance, are protected (Israel et al., 1997).

Except Antarctica, natural sacred groves are found on all continents of the world. Sacred groves have been reported from 33 different countries across the world (Bhagwat et al., 2006). In India, the tradition of nature conservation practice is very ancient. In India out of 28 states, 19 states have sacred groves (Malhotra et al., 2001). The earliest documented work on sacred groves in India was first done by the Inspector General of Forest

(Brandis, 1897). Sankar Rao et al., 2017, gave a note on Gadi Central Pandam Sacred Grove of East Sikkim, India. It is believed to be the oldest sacred grove which is 300 years old and it is protected due to its religious, historical and archaeological significance.

Sacred Groves in Gujarat:

Gujarat has varied cultural practices and belief systems and therefore sacred groves are seen throughout Gujarat. A total of 42 sacred groves are documented in Gujarat state. They are dedicated to deities like Khodiyar Mata, Oran Mata, Jhalai Mata, Panch Krishna, and Mahadev. P.K.Patel et al., 2013, studied sacred groves of Banaskantha District, Gujarat. Among 11 sacred groves, he reported 25 different species of plants. Dr. R.S. Patel (2016) studied 9 sacred groves and 51 sacred plants which are protected by local people through their cultural practices and religious beliefs in the Ambaji forest area of Banaskantha district, Gujarat, India. Sameeta et al. had done case a study of 8 sacred groves in Dahod district of Gujarat. They were conserved and protected by the Adivasi Bhi community wherein they have been worshipping gods, goddess and ancestral spirits.

Study Area:

The present study was conducted in Dediypada Taluka of Narmada District, Gujarat, India. Including Dediypada, Narmada district has 4 talukas which are Nandod, Sagbara and Tilakwada. The district is bounded by Vadodara district in the north, by Maharashtra state in the east, by Tapi district in south and by Bharuch district in the west.

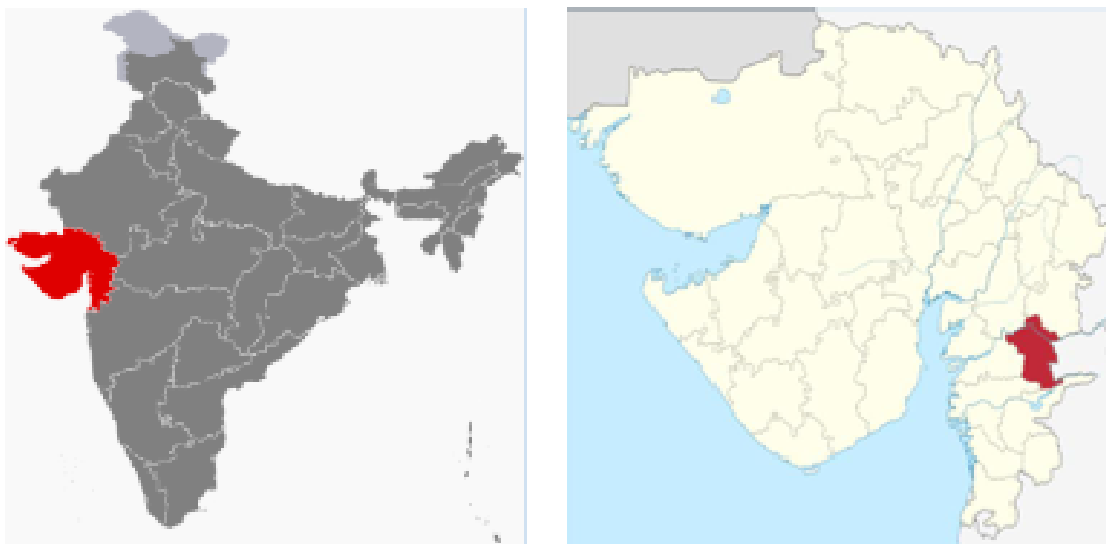


Fig: 1 & 2 Represents location of Gujarat state in the map of India followed by Narmada district.

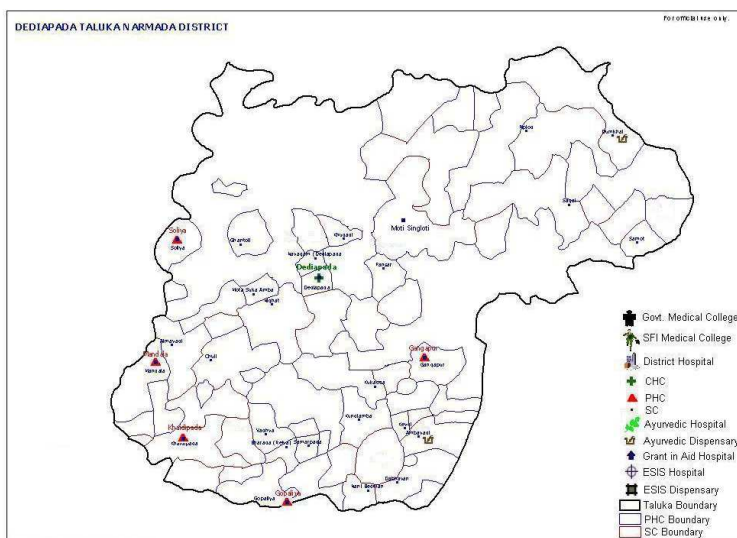


Fig: 3. Represents map of Dediapada taluka.

Dediapada Taluka is situated in the South Eastern tribal belt of the State of Gujarat in India and it is about 70 kms from Ankleshwar. It belongs to Narmada District which covers 1027sq.kms and has 97,431 inhabitants. The local tribal language is Vasavi and most of the

them are farmers. They believe in gods and goddesses and have their own rituals and ceremonies to worship them.

Materials and Methods:

Field surveys were carried out in the forest areas of Dediapada Taluka, Gujarat from June 2017 to April 2018 in order to gather information related to sacred groves. Approximately 12 sq.km of Dediapada forest were studied and information related to a total of 33 sacred groves was collected. The tribal communities were interviewed to collect information on the existence and history of the sacred groves and also on the plants conserved along with their ethno-botanical utility. An ethno-botanical study has been carried out to document the plants used in these sacred groves. The study revealed that a large number of useful plants are conserved by the tribals in the sacred groves. The conserved plants have been documented with their scientific name, local name, utility, as well as their role and significance in worship of local deity.

Table I: List of Sacred groves recorded from Dediapada Taluka:

Sr. No.	Village	Sacred Groves	Managed by	Approx. Area (Sq. mt.)
1	Bogaj	Bogaj Chuali	Managed by Village Panchayat	50
2	Bogaj	Kevda Paado	Managed by Village Panchayat	500
3	Bogaj	Khokhradi Kotoa	Managed by Villagers	100
4	Bogaj	Kumbh & Poanjo	Managed by Villagers	150
5	Bogaj	Nagni Dogri	Managed by Villagers	100
6	Bogaj	Panjari Ghat	Managed by Villagers	400
7	Bogaj	Rah Dogri	Managed by Villagers	100
8	Bogaj	Vakaraat dev	Managed by Villagers	20
9	Chuli	Kaliyabhoot Mandir	Managed by Village Panchayat	1500
10	Devra	Devra	Managed by Villagers	120

11	Fulsar	Tinayu dev	Managed by Village Panchayat	700
12	Fulsar & Ladava	Kadvalibar dev	Managed by Villagers	50
13	Kokam	Chuliya Hanuman Mandir	Managed by Village Panchayat	300
14	Kolivada	Haruni Parvat	Managed by Villagers	200
15	Korvi	Korvimata Mandir	Managed by Catholic Church, Dediapada	200
16	Rozhghat	Umbo	Managed by Villagers	40
17	Shiyali	Mehano Sim	Managed by Village Panchayat	20
18	Timbapada	Chote Hanuma	Managed by Village Panchayat	50
19	Timbapada	Gadiya Vad	Managed by Village Panchayat	20
20	Vadhva	Ujmuni	Managed by Villagers	10
21	Vadhva	Vadava Sim	Managed by Village Panchayat	20
22	Vandari	Dhaman mal	Managed by Village Panchayat	2000
23	Vandari	Kavadi Barnu	Managed by Village Panchayat	500
24	Vandari	Khudi Dungar	Managed by Village Panchayat	1500
25	Vandari	Vinjya Parvat	Managed by Village Panchayat	2000
26	Zhadoli	Chirkun Dev	Managed by Villagers	10
27	Zhadoli	Chauli dev	Managed by Villagers	20
28	Zhadoli	Gim dev	Managed by Villagers	500
29	Zhadoli	Khadavalo Dev	Managed by Zhadoli & Bogaj Villagers	60
30	Zhadoli	Moh Khetar dev	Managed by Villagers	10
31	Zhadoli	Mojra dev	Managed by Villagers	200
32	Zhadoli	Sisso Sim	Managed by Villagers	10
33	Zhadoli	Temarivalu dev	Managed by Zhadoli & Bogaj Villagers	500

Results and Discussion:

Sacred groves are protected by tribal people who live there on account of their religious and cultural beliefs. The tribals offer objects like candles, coconuts, flags, etc. to the deity

of the grove. They believe that they are protected by the gods, goddesses or ancestral spirits who provide good yield, protect their farms, etc. In all the groves, human activity like cutting trees, grazing of animals, etc. are prohibited and thus, sacred groves are protected by indigenous people.

The present study documents the existence of 33 sacred groves from the study areas of Dediapada Taluka, Narmada District. Sacred groves are found in 13 villages like Zhadoli, Bogaj, Vandari, Timbapada, Vadhva, Kolivada, Shiyali, Devra, Korvi, Chuli, Kokam, Ladva and Rozhghat and these have been documented (Table-I). The maximum number of 8 sacred groves are documented in Bogaj and Zhadoli village. Dediapada has moist mixed deciduous and dry mixed deciduous forests (Champion and Seth, 1968). Most of the forests are located in the Shoolpaneshawar Wildlife Sanctuary. Sacred groves are situated at different places like hills, forests, agricultural lands and water bodies.

During the study, 158 plant species belonging to 64 families and 132 genera have been listed (Appendix I). This includes two species of Pteridophytes. Among the 158 plant species, 72 are trees, 25 are shrubs, 32 are herbs and 29 are climbers. Dominant families are Fabaceae which has maximum number of species (20 species) followed by Ceasalpiniaceae (7 species), Euphorbiaceae and Malvaceae (6 species); Asteraceae, Combretaceae, Mimosaceae, Rhamnaceae, Rubiaceae and Moraceae (5 species each).

Cassia tora, Dendrocalamus strictus, Abelmoschus manihot, Tectona grandis, Butea monosperma, Euphorbia nivulia, Zizyphus jujuba, Ficus racemosa and Azadirachta indica are dominant plant species found in the 33 sacred groves. Sterculia urens, Woodfordia fruticosa, Schrebera swietenoides are some of the rare and endangered species in the list of documented plants.

Conclusion:

It is significant that 33 sacred groves have been documented as a result of this brief study which covered some parts of Dediapada taluka. The indication is that more extensive and rigorous study is required to completely study and document all the sacred groves of Gujarat State in which just 42 sacred groves have been officially documented till date. There is an urgent need to cover the sacred groves of the entire tribal belt of Gujarat State. It is also recommended that these groves be documented in the People's Biodiversity Registers (PBRs) and that a comprehensive plan be drawn up to protect the vulnerable groves especially those with significant biodiversity.

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Annexure 1: List of Plants recorded in 33 Sacred Groves, Dediypada Taluka

Sr. No	Botanical Name	Vasavi Name	Family	Habit
1	Abelmoschus manihot (L.) Mesik	Jungali bhinda	Malvaceae	Herb
2	Abrus precatorius L.	Rati tingani	Fabaceae	Climber
3	Acacia catechu (Roxb.ex Rottl.) Willd	Babr kher	Mimosaceae	Tree
4	Acacia nilotica (L.) Del. subsp. indica Bth.	Bavad	Mimosaceae	Tree
5	Achyranthes aspera L.	Arap singado	Amaranthaceae	Herb
6	Aegle marmelos (L.) Corr.	Bil	Rutaceae	Tree
7	Alangium salvifolium (L.f.) Wang.	Bubaro Akano	Alangiaceae	Tree
8	Albizia lebbeck (L.) Bth.	Fadal, Shirish	Mimosaceae	Tree
9	Albizia procera (Roxb.) Bth.	Kelvo, Kilai	Mimosaceae	Tree
10	Alysicarpus vaginalis (L.) DC	Kui Modari	Fabaceae	Herb
11	Ampelocissus latifolia (Roxb.) Planch	Khajal vel	Vitaceae	Climber
12	Annona squamosa L.	Aanusado	Annonaceae	Tree
13	Anogeisus latifolia (Roxb.ex DC.) Guill & perott	Dhavdo	Combretaceae	Tree
14	Asparagus racemosus Willd.	Poboni	Liliaceae	Climber
15	Azadiracta indica A. Juss	Limdo	Meliaceae	Tree

16	<i>Azanza lampas</i> (Cav.) Alef.	Ranipendo	Malvaceae	Herb
17	<i>Bacopa monnieri</i> (L.) Pennell	Bam	Scrophulariaceae	Herb
18	<i>Bauhinia racemosa</i> Lam.	Hingalo	Caesalpinaceae	Tree
19	<i>Biophytum sensitivum</i> (L.) DC.	Najvaliyo	Oxalidaceae	Herb
20	<i>Blumea lacera</i> (Burm.f.) DC.	Moyo	Asteraceae	Herb
21	<i>Boerhavia diffusa</i> L.	Dhagad fodiyo	Nyctaginaceae	Herb
22	<i>Borassus fabelifer</i> L.	Tad	Arecaceae	Tree
23	<i>Bridelia squomosa</i> Gerhen.	Akano	Annonaceae	Tree
24	<i>Butea monosperma</i> (Lamk.) Taub.	Palho	Fabaceae	Shrub
25	<i>Caesalpinia bonducella</i> (L.) Flem	Kachko	Caesalpinaceae	Climber
26	<i>Cajanus cajan</i> (L.) Millsp.	Tuver	Fabaceae	Shrub
27	<i>Calotropis gigantea</i> (L.) R.	Aakado	Asclepiadaceae	Shrub
28	<i>Canavalia gladiata</i> (Jacq.) DC.	Mani abuni	Fabaceae	Climber
29	<i>Capparis zeylanica</i> L.	Kanthari	Capparidaceae	Climber
30	<i>Careya arborea</i> Roxb.	Gulmohar	Lecythidaceae	Tree
31	<i>Carvia callosa</i> (Nees) Bremek.	kevado	Acanthaceae	Shrub
32	<i>Casearia esculenta</i> Roxb.	Mano panjo	Salicaceae	Tree
33	<i>Cassia auriculata</i> L.	Aaval	Caesalpinaceae	Shrub
34	<i>Cassia fistula</i> L.	Germulo	Caesalpinaceae	Tree
35	<i>Cassia tora</i> L.	Chinjudo	Caesalpinaceae	Climber
36	<i>Catunaregam spinosa</i> (Thunb.) Tirveg.	Mindhol	Rubiaceae	Shrub
37	<i>Celastrus paniculatus</i> Willd.	Kagarvel	Celastraceae	Climber
38	<i>Chlorophytum tuberosum</i> (Roxb.) Baker.	kualo	Liliaceae	Climber
39	<i>Cissampelos pareira</i> L.	Mani panji	Menispermaceae	Climber
40	<i>Clitoria ternatea</i> L.	Jangali hoon	Fabaceae	Climber
41	<i>Cocculus hirsutus</i> DC.	Vasano	Menispermaceae	Climber
42	<i>Cocos nucifera</i> L.	Nariyel	Arecaceae	Tree
43	<i>Colebrookea oppositifolia</i> Sm.	Maduro	Lamiaceae	Shrub
44	<i>Colocasia esculanta</i> (L.) Schott	Patarveli	Araceae	Herb
45	<i>Combretum albidum</i> D.Don		Combretaceae	Climber
46	<i>Coordia dichotoma</i> Forst.	Gundo	Ehretiaceae	Tree
47	<i>Corchorus aestuans</i> L.	Chana dhari	Tiliaceae	Herb
48	<i>Corchorus tridens</i> L.		Tiliaceae	Herb
49	<i>Costus speciosus</i> (Koenig ex Retz.) Sm.	Peru	Zingiberaceae	Herb
50	<i>Curculigo orchiodes</i> Gaertn.	Kali musali	Amarylidaceae	Herb
51	<i>Cyathocline purpuria</i> (Don) Kungzo.	Okharad	Asteraceae	Herb
52	<i>Cyperus rotundus</i> L.	Gundalo	Cyperaceae	Herb
53	<i>Dalbergia lanceolaria</i> L.	Sarpahi	Fabaceae	Tree

54	<i>Dalbergia latifolia</i> Roxb.	Sisam	Fabaceae	Tree
55	<i>Dalbergia paniculata</i> Roxb.	Pitrago	Fabaceae	Tree
56	<i>Dalbergia sisoo</i> Roxb.	Sisoo	Fabaceae	Tree
57	<i>Datura metel</i> L.	Kalo dhaturu	Solanaceae	Herb
58	<i>Delonix regia</i> (Boj. ex Hook.) Raf.	Gulmohar	Caesalpinaceae	Tree
59	<i>Dendrocalamus strictus</i> Nees.	Jangali vans	Poaceae	Tree
60	<i>Dendrophthoe falcata</i> (L.f.) Etting	Vando	Bignoniaceae	Climber
61	<i>Derris scandens</i> (Roxb.) Benth.	kelvo	Fabaceae	Climber
62	<i>Desmodium gangeticum</i> (L.f.) Ettingsh	Chiktiyo	Fabaceae	Herb
63	<i>Desmodium heterocarpon</i> (L.) DC.	Vandar chipiyo	Fabaceae	Herb
64	<i>Dioscorea bulbifera</i> L.	Kadavi dungari	Dioscoreaceae	Climber
65	<i>Dioscorea hispida</i> Dennst.	Manovaaj	Dioscoreaceae	Climber
66	<i>Dioscorea pentaphylla</i> L.	Huvro	Dioscoreaceae	Climber
67	<i>Diospyros melanoxylon</i> Roxb.	Timru	Ebenaceae	Tree
68	<i>Dolichandrone falcata</i> (Wall.ex DC.) Seem.	Matarhing	Bignoniaceae	Tree
69	<i>Eclipta prostrata</i> (L.) L.	Bhungraj	Asteraceae	Herb
70	<i>Enicostema littorale</i> Bl.	Kadavi nai	Gentianaceae	Climber
71	<i>Ensete superbum</i> (Roxb.) Cheesman	Jangali kel	Musaceae	Shrub
72	<i>Eranthemum roseum</i> (Vahl.) R.Br.	Zhini karav	Acanthaceae	Herb
73	<i>Erythrina suberosa</i> Roxb.	Pangaro	Fabaceae	Tree
74	<i>Eucalyptus globulus</i> Labill.	Nilgiri	Myrtaceae	Tree
75	<i>Euphorbia nivulia</i> Buch.- Ham.	Thor	Euphorbiaceae	Shrub
76	<i>Euphorbia nerifolia</i> L.	Thor	Euphorbiaceae	Tree
77	<i>Ficus amplissima</i> Sm.	Pipari	Moraceae	Tree
78	<i>Ficus bhenghalensis</i> L.	Vad	Moraceae	Tree
79	<i>Ficus hispida</i> L.	Koth umbaro	Moraceae	Tree
80	<i>Ficus racemosa</i> L.	Umbaro	Moraceae	Tree
81	<i>Ficus religiosa</i> L.	Pipalo	Moraceae	Tree
82	<i>Garuga pinnata</i> Roxb.	Kakado	Burseraceae	Tree
83	<i>Gloriosa superba</i> L.	Nargaiyo	Liliaceae	Climber
84	<i>Gossypium herbaceum</i> L.	Kapas	Malvaceae	Shrub
85	<i>Grewia tiliaefolia</i> Vahl. Var. <i>tiliaefolia</i>	tamano	Tiliaceae	Tree
86	<i>Haldina cordifolia</i> (Roxb) Benth & Hook. f.	Haldarvo	Rubiaceae	Tree
87	<i>Helicteres isora</i> L.	Athado	Sterculiaceae	Shrub
88	<i>Hemidesmus indicus</i> (L.) Schult.	Aagudi	Asclepiadaceae	Climber

89	<i>Holarrhena antidysenterica</i> (L.) Wall ex G. Don	Kuvado	Apocynaceae	Shrub
90	<i>Hymenodictyon excelsum</i> (Roxb.) Hall.	Madlo	Rubiaceae	Tree
91	<i>Indigofera linifolia</i> Retz.	Zhini madri	Fabaceae	Herb
92	<i>Ipomoea carnea</i> Jacq.	Naffatiya vel	Convolvulaceae	Climber
93	<i>Jatropha curcas</i> L.	Ratan jyot	Euphorbiaceae	Tree
94	<i>Kirganelia reticulata</i> (Poir.) Baill.	Kali zhini	Euphorbiaceae	Shrub
95	<i>Lagerstroemia lanceolata</i> Wall.	Mandaro	Lythraceae	Tree
96	<i>Lagerstroemia parvifolia</i> Roxb.	Bondaro	Lythraceae	Tree
97	<i>Lannea coromandelica</i> (Houtt.) Herrill	Modlo	Anacardiaceae	Tree
98	<i>Lawsonia inermis</i> L.	Mahendi	Lythraceae	Shrub
99	<i>Leea asiatica</i> (L.) Ridsdale	Namu dhinu	Leeaceae	
100	<i>Leea macrophylla</i> Roxb. ex Hornem	Modu dhinu	Leeaceae	Shrub
101	<i>Limonia acidissima</i> L.	Kotha	Rutaceae	Tree
102	<i>Loranthus longiflorus</i> Desr.	Vando	Loranthaceae	
103	<i>Lygodium microphyllum</i> (Cav.) R.Br.	Mor pagiyo	Schizaceae	
104	<i>Madhuca indica</i> Gmel.	Mahudo	Sapotaceae	Tree
105	<i>Mangifera indica</i> L.	Ambo	Anacardiaceae	Tree
106	<i>Manilkara hexandra</i> (Roxb.) Dubard	Rayan	Sapotaceae	Tree
107	<i>Marsilea minuta</i> (A. Braun) Launert	Chilo	Marsileaceae	Climber
108	<i>Martynia annua</i> L.	Wagh nakhiyo	Martyniaceae	
109	<i>Milliusa tomentosa</i> (Roxb.) Sinclair	kalo umbo	Annonaceae	Tree
110	<i>Mitragyna parvifolia</i> (Roxb.) Korth.	Nani kanbi	Rubiaceae	Tree
111	<i>Morinda pubescens</i> Roxb.	Aano	Rubiaceae	Tree
112	<i>Moringa oleifera</i> Lam.	Saragvo, Hegvo	Moringaceae	Tree
113	<i>Mormordica dioica</i> Roxb. ex Willd.	Kantola	Cucurbitaceae	Climber
114	<i>Mucuna pruriens</i> Baker	Khojlo	Fabaceae	Climber
115	<i>Mukia maderaspatana</i> (L.) Roem.	Chibhdi	Cucurbitaceae	Climber

116	<i>Neuracanthus sphaerostachyus</i> (Nees) Dalz.	Dayalu batvu	Acanthaceae	Herb
117	<i>Opuntia elatior</i> Mill	Fafada thor	Cactaceae	Shrub
118	<i>Ougeinia oojeinensis</i> (Roxb.) Hochr.	Tinso	Fabaceae	Tree
119	<i>Phanera integrifolia</i> (Roxb.) Benth.	Aaval vel	Caesalpinaceae	Climber
120	<i>Phyllanthus emblica</i> L.	Amla	Euphorbiaceae	Tree
121	<i>Plumbago zeylinica</i> L.	Chitrak	Plumbaginaceae	Herb
122	<i>Polygonum glabrum</i> Willd.	Mahanu boyu	Polygonaceae	Herb
123	<i>Pongamia pinnata</i> (L.) Pierre.	Kanjo	Fabaceae	Tree
124	<i>Prosopis julifera</i> (Sw.) DC.	Gando baval	Mimosaceae	Tree
125	<i>Psidium guajava</i> L.	Jamrukh	Myrtaceae	Shrub
126	<i>Pterocarpus marsupium</i> Roxb.	Biyo	Fabaceae	Tree
127	<i>Rhynchosia minima</i> (L.) DC.	Nanikamalvel	Fabaceae	Herb
128	<i>Salmalia rubra</i> (Buch.- Ham.) S. Dutta & P.Harvey	Hombaro, Simado	Bombaceae	Tree
129	<i>Sapindus laurifolius</i> Vahl.	Aritha	Sapindaceae	Tree
130	<i>Schleichera oleosa</i> (Lour.) Oken.	Kusum	Sapindaceae	Tree
131	<i>schrebera swietenoides</i> Roxb.	Mukha	Oleaceae	Tree
132	<i>Sida acuta</i> Burm. f.	Bala	Malvaceae	Herb
133	<i>Sida cordata</i> (Bum f.) Bioss	Bhoy bala	Malvaceae	Herb
134	<i>Solanum americanum</i> Mill.	Bokhiyu	Solanaceae	Herb
135	<i>Soymida febrifuga</i> (Roxb.) A.Juss.	Mano rano	Meliaceae	Tree
136	<i>Sphaeranthus indicus</i> L.	Gorakhmurti	Asteraceae	Herb
137	<i>Spilanthes paniculata</i> Wall.ex DC.	Akkalyaro	Asteraceae	Herb
138	<i>Sterculia urens</i> Roxb.	Kadayo	Sterculiaceae	Tree
139	<i>Stereospermum chelonoides</i> (L.f.) DC.	Goval vitiyo	Bignoniaceae	Tree
140	<i>Syzygium cumini</i> (L.) Skeels	Jambudo	Myrtaceae	Tree
141	<i>Tectona grandis</i> L.	Sag	Verbenaceae	Tree
142	<i>Terminalia arjuna</i> (Roxb.) Wight. & Arn.	Safed sadad	Combretaceae	Tree
143	<i>Terminalia bellirica</i> (Gaertn.) Roxb.	Bedo	Combretaceae	Tree
144	<i>Terminalia crenulata</i> (Roth.) Cl.	Kali sadad	Combretaceae	Tree
145	<i>Tinospora cordifolia</i> (Thumb.) Miers.	Gado	Menispermaceae	Climber
146	<i>Trewia nudiflora</i> L.	Variya	Euphorbiaceae	Tree
147	<i>Triumfetta rhomboidea</i> Jacq.	Jipti	Tiliaceae	Shrub

148	<i>Urena lobata</i> L.	Vagado bhindo	Malvaceae	Herb
149	<i>Vanda tessellata</i> (Roxb.) Hk. f. ex. G.Don	Vando	Orchidaceae	Herb
150	<i>Ventilago denticulata</i> Willd.	Aachal vel	Rhamnaceae	Climber
151	<i>Vitex negundo</i> L.	Rintho	Verbenaceae	Tree
152	<i>Woodfordia fruticosa</i> (L.) Kurz	Rati limthi	Lythraceae	Shrub
153	<i>Wrightia tinctoria</i> R. Br.	Kuvlo	Apocynaceae	Tree
154	<i>Wrightia tomentosa</i> Roem. & Schult.	Dati kuvad	Apocynaceae	Tree
155	<i>Zizyphus jujuba</i> Mill.	Bor	Rhamnaceae	Tree
156	<i>Zizyphus mairei</i> Dode	Bor khuto	Rhamnaceae	Shrub
157	<i>Zizyphus nummularia</i> (Burnm. f.) Wight. & Arn.	Bor	Rhamnaceae	Shrub
158	<i>Zizyphus xylopyra</i> (Retz.) Willd.	Bor	Rhamnaceae	Shrub

Annexure II: Photo plate



Chote Hanuman: Timbapada



Gadiya Vad: Timbapada



Chuliya Hanuman Mandir: Kokam



Mehano Sim: Shiyali



Tinalyu Dev: Fulsar



Vadava Sim: Vadhva