

Floristic Study of Mandvi Taluka, District Surat, Gujarat, India

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Abstract- *The present work, the information about different plants variety of Surat district in particular zone of Mandvi taluka. The data obtained from these studies have botanical significance of the particular zone Mandvi. During field work we have consisted of total 180 plant species where 66 Herbs and 19 Climbers, 55 Trees and 40 Shrubs. This study shows that herbaceous plants are dominating in the forest and its surrounding areas.*

bodies like Isar Dam, Ambli Dam, and Kakrapad Dam .Farms which also includes cultivated plants and aquatic plant specimens and also have rocky area. Phytogeographically the regions is enriched with a diverse flora and harbours a variety of species plant shows excessive growth in mandvi forest areas like Khatradevi, Kanaghat , Picharvan , Tarapur and Limda.

Bentham and Hooker system of classification was adopted for the present study. The scientific names, vernacular name, flowering and fruiting timings of the plants have been given as per the latest references. Plants were described with brief notes.

Keywords- Floristic, Mandvi, Plant, Surat.

I. INTRODUCTION

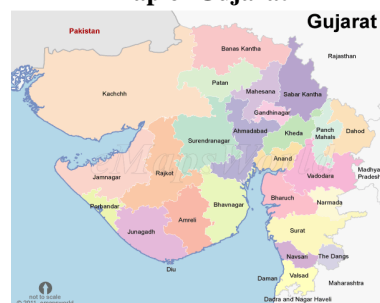
Floristic studies help us to assess the plant's wealth and its potentiality of any given area. The term potentiality does not restrict to only economic aspect but also equally implies the environmental aspects. A systematic record of plants of a precise area or terrestrial area called as 'Flora'. Mandvi taluka is situated in Surat district in South Gujarat. Surat is a district in the state of Gujarat India with Surat city as the administrative headquarter of this district. The climate is tropical and monsoon rainfall is abundant.

The floristic studies of Gujarat state have been carried out by Santapau, H. (1954), Shah (1978), Joshi (1983), A.S.Reddy (1987), Patel, N.K. (2001), Jangid, M.S. (2003), Jangid, M.S. (2005), T.G.Gohil (2005), V.H.Rao (2012) and Tadvi (2013) in South Gujarat.

II. STUDY AREA

Mandvi taluka is situated in Surat district in the South Gujarat. As far as the geographical distribution is concerned Mandvi is situated at 21° 25' to 21° 35' N latitude and 73° 24' to 73° 30' E longitude. Apart from there is forest border of Umarpada, Mangrol and Tapi district of Gujarat. Grassland, Wetlands and Hills which covered most of forest area. Water

Map of Gujarat



Map of Surat



III. METHODOLOGY

The plants were collected from the various villages and forests area of the Mandvi taluka. A good number of the trips were arranged in accordance with the different seasons throughout the year 2018-2019. The plants were collected during winter, summer and monsoon. The collected plants were brought to the laboratory, identified and classified to their respective species level.

Bentham and Hooker system of classification was adopted for the present study. The scientific names, vernacular name, flowering and fruiting timings of the plants have been given as per the latest references.

IV. OBSERVATION AND DISCUSSION

During study, total 180 species of angiospermic plants belonging to 113 genera under 45 families were reported from Mandvi taluka. Relating to the habit of the plants, out of total 180 plant species where 66 Herbs and 19 belonged to Climbers, 55 Trees and 40 Shrubs. The present study will provide remarkable information about the plant diversity and distribution in the study area. Families recorded with the high number of species in the study area includes *Fabaceae* (26 species), *Poaceae* (15 species), *Asteraceae* (18 species), *Malvaceae* (17 species), *Cucurbitaceae* (12 species), *Cesalpiniaceae* (12 species), *Apocynaceae* (11 species), *Convolvulaceae* and *Solanaceae* (10 species), *Bignoniaceae* (9 species), *Combretaceae*, *Rubiaceae* and *Moraceae* (6 species), *Acanthaceae*, *Myrtaceae*, *Asclepiadiaceae* are present with less than 5 species.

For the conservation of the plant species, it is necessary to protect them. During the study, plant species are used widely. By using this information we encouraged the people for conservation of plant species.

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SR NO.	FAMILY	SCIENTIFIC NAME	LOCAL NAME	HABIT
1.	<i>Malvaceae</i>	<i>Abelmoschus esculentus (L.) Moench</i>	<i>Bhindi</i>	<i>Herb</i>
2.	<i>Malvaceae</i>	<i>Abelmoschus manihot (L.) Medicus</i>	<i>Jangli bhindi</i>	<i>Herb</i>
3.	<i>Malvaceae</i>	<i>Abutilon indicum (L.) Sweet</i>	<i>Khapat</i>	<i>Shrub</i>
4.	<i>Malvaceae</i>	<i>Azanza lampas (Cav.) Alef.</i>	<i>Ran-Bhindi</i>	<i>Shrub</i>
5.	<i>Malvaceae</i>	<i>Gossypium arboreum L. var. Neglectum L</i>	<i>Desi Kapas</i>	<i>Shrub</i>

6.	<i>Malvaceae</i>	<i>Gossypium herbaceum L</i>	<i>Kapas</i>	<i>Shrub</i>
7.	<i>Malvaceae</i>	<i>Hibiscus cannabinus L</i>	<i>Ambadi</i>	<i>Shrub</i>
8.	<i>Malvaceae</i>	<i>Hibiscus rosa-sinensis</i>	<i>Jasud</i>	<i>Shrub</i>
9.	<i>Malvaceae</i>	<i>Hibiscus sabdariffa L</i>	<i>Khati bhindi</i>	<i>Herb</i>
10.	<i>Malvaceae</i>	<i>Hibiscus schizopetalus (Mast.) Hook.f.</i>		<i>Shrub</i>
11.	<i>Malvaceae</i>	<i>Malachra capitata (L.) Linn.</i>	<i>Pardeshi bhindo</i>	<i>Herb</i>
12.	<i>Malvaceae</i>	<i>Pavonia zeylanica Cav.</i>		<i>Herb</i>
13.	<i>Malvaceae</i>	<i>Sida acuta Burm.f.</i>	<i>Bala</i>	<i>Shrub</i>
14.	<i>Malvaceae</i>	<i>Sida cordata (Burm.f.) Boiss</i>	<i>Bhoyabala</i>	<i>Herb</i>
15.	<i>Malvaceae</i>	<i>Sida cordifolia L</i>	<i>Bala</i>	<i>Shrub</i>
16.	<i>Malvaceae</i>	<i>Thespesia populnea (L.) Soland.</i>	<i>Paras piplo</i>	<i>Tree</i>
17.	<i>Malvaceae</i>	<i>Urena lobata L</i>	<i>Vagadau bhindo</i>	<i>Herb</i>
18.	<i>Fabaceae</i>	<i>Abrus precatorius L</i>	<i>Safed chanothi</i>	<i>Climber</i>
19.	<i>Fabaceae</i>	<i>Abrus precatorius L</i>	<i>Kali chanothi</i>	<i>Climber</i>
20.	<i>Fabaceae</i>	<i>Alysicarpus buplerifolius (Linn.) DC.</i>	<i>Khadsamervo</i>	<i>Herb</i>
21.	<i>Fabaceae</i>	<i>Alysicarpus longifolius (Rott.ex Spr.) Wt. &Arn.</i>	<i>Motosamervo</i>	<i>Herb</i>
22.	<i>Fabaceae</i>	<i>Arachis hypogea L</i>	<i>Magphali</i>	<i>Herb</i>
23.	<i>Fabaceae</i>	<i>Butea monosperma (Lamk.) Taub.</i>	<i>Khakhro, Kesudo</i>	<i>Tree</i>
24.	<i>Fabaceae</i>	<i>Butea parviflora Roxb. ex DC.</i>		<i>Climber</i>
25.	<i>Fabaceae</i>	<i>Cajanus cajan (L.) Millsp.</i>	<i>Tuver</i>	<i>Shrub</i>
26.	<i>Fabaceae</i>	<i>Cicer arietinum L</i>	<i>Chana</i>	<i>Herb</i>
27.	<i>Fabaceae</i>	<i>Clitoria ternatea L</i>	<i>Garni</i>	<i>Climber</i>
28.	<i>Fabaceae</i>	<i>Crotalaria filipes Benth.</i>	<i>Adadio</i>	<i>Herb</i>
29.	<i>Fabaceae</i>	<i>Crotalaria juncea L</i>	<i>Shaniyu</i>	<i>Shrub</i>

30.	<i>Fabaceae</i>	<i>Crotalaria medicaginea</i> Lamk.	<i>Adbau-methi</i>	<i>Herb</i>
31.	<i>Fabaceae</i>	<i>Crotalaria retusa</i> L	<i>Gughro</i>	<i>Shrub</i>
32.	<i>Fabaceae</i>	<i>Cyamopsis tetragonoloba</i> (L.) Taubert	<i>Gawar</i>	<i>Herb</i>
33.	<i>Fabaceae</i>	<i>Dalbergia latifolia</i> Roxb.	<i>Sisam</i>	<i>Tree</i>
34.	<i>Fabaceae</i>	<i>Dalbergia paniculata</i> Roxb.	<i>Sissoo</i>	<i>Tree</i>
35.	<i>Fabaceae</i>	<i>Dalbergia volubilis</i> Roxb.	<i>Nilsoti</i>	<i>Climber</i>
36.	<i>Fabaceae</i>	<i>Derris indica</i> (L.) Bennet. Syn. (<i>Pongamia pinnata</i> Pierre.)	<i>Karanj</i>	<i>Tree</i>
37.	<i>Fabaceae</i>	<i>Indigofera tinctoria</i> L	<i>Nil, Guli</i>	<i>Shrub</i>
38.	<i>Fabaceae</i>	<i>Lablab purpureus</i> (L.) Sw.	<i>Val</i>	<i>Climber</i>
39.	<i>Fabaceae</i>	<i>Mucuna pruriens</i> (L.) DC.	<i>khaj khujali</i>	<i>Climber</i>
40.	<i>Fabaceae</i>	<i>Ougenia oojeinensis</i> (Roxb.) Hochrest	<i>Tanas</i>	<i>Tree</i>
41.	<i>Fabaceae</i>	<i>Pisum sativum</i> L	<i>Green pea</i>	<i>Herb</i>
42.	<i>Fabaceae</i>	<i>Pongamia pinnata</i> (L.) Pierre	<i>Karanj</i>	<i>Tree</i>
43.	<i>Fabaceae</i>	<i>Pterocarpus marsupium</i> Roxb. var. <i>acuminata</i> Prain	<i>Bivla, biyo</i>	<i>Tree</i>
44.	<i>Caesalpinia ae</i>	<i>Bauhinia purpurea</i> Linn.	<i>Kachnar</i>	<i>Tree</i>
45.	<i>Caesalpinia ae</i>	<i>Bauhinia racemosa</i> Lamk.	<i>Ashitro</i>	<i>Tree</i>
46.	<i>Caesalpinia ae</i>	<i>Caesalpinia bonduc</i> (L.) Roxb.	<i>Kachka</i>	<i>Climber</i>
47.	<i>Caesalpinia ae</i>	<i>Caesalpinia pulcherrima</i> (L.) Sw.	<i>Galtaro</i>	<i>Shrub</i>
48.	<i>Caesalpinia ae</i>	<i>Cassia auriculata</i> L	<i>Tarvad, Awal</i>	<i>Shrub</i>
49.	<i>Caesalpinia ae</i>	<i>Cassia fistula</i> L	<i>Garmado</i>	<i>Tree</i>
50.	<i>Caesalpinia ae</i>	<i>Cassia occidentalis</i> L	<i>Sundro</i>	<i>Shrub</i>

51.	<i>Caesalpiniaceae</i>	<i>Cassia siamea</i> L	<i>Kashid</i>	<i>Tree</i>
52.	<i>Caesalpiniaceae</i>	<i>Cassia tora</i> L	<i>Kuvadiao</i>	<i>Herb</i>
53.	<i>Caesalpiniaceae</i>	<i>Delonix regia</i> (Boj. ex Hk.) Raf.	<i>Gulmohar</i>	<i>Tree</i>
54.	<i>Caesalpiniaceae</i>	<i>Peltophorum pterocarpum</i> (DC.) Baker ex Heyne	<i>Tamrafali</i>	<i>Tree</i>
55.	<i>Caesalpiniaceae</i>	<i>Saraca asoka</i> (Roxb.) Willd.	<i>Ashok</i>	<i>Tree</i>
56.	<i>Caesalpiniaceae</i>	<i>Tamarindus indica</i> L	<i>Amali</i>	<i>Tree</i>
57.	<i>Mimosaceae</i>	<i>Acacia auriculiformis</i> A.Cunh. ex Benth.		<i>Tree</i>
58.	<i>Mimosaceae</i>	<i>Acacia mangium</i> Willd.		<i>Tree</i>
59.	<i>Mimosaceae</i>	<i>Adenanthera pavonia</i> L	<i>Ratanjali</i>	<i>Tree</i>
60.	<i>Mimosaceae</i>	<i>Albizia lebbek</i> (L.) Benth.	<i>Shirish</i>	<i>Tree</i>
61.	<i>Mimosaceae</i>	<i>Albizia odoratissima</i> (L.f.) Benth.	<i>Dholosiris</i>	<i>Tree</i>
62.	<i>Mimosaceae</i>	<i>Albizia procera</i> (Roxb.) Benth.	<i>Kilai</i>	<i>Tree</i>
63.	<i>Mimosaceae</i>	<i>Prosopis cineraria</i> (L.) Druce	<i>Khijado</i>	<i>Tree</i>
64.	<i>Combretaceae</i>	<i>Anogeisus latifolia</i> (Roxb. ex DC.) Guill. & Perott.	<i>Dhavdo</i>	<i>Tree</i>
65.	<i>Combretaceae</i>	<i>Terminalia arjuna</i> (Roxb.) Wight & Arn.	<i>Safed Sadad</i>	<i>Tree</i>
66.	<i>Combretaceae</i>	<i>Terminalia bellerica</i> (Gaertn.) Roxb.	<i>Behda</i>	<i>Tree</i>
67.	<i>Combretaceae</i>	<i>Terminalia catapa</i> L	<i>Badam</i>	<i>Tree</i>
68.	<i>Combretaceae</i>	<i>Terminalia chebula</i> Retz.	<i>Herde</i>	<i>Tree</i>
69.	<i>Combretaceae</i>	<i>Terminalia crenulata</i> Roth.	<i>Sadad</i>	<i>Tree</i>

70.	<i>Myrtaceae</i>	<i>Callistemon citrinus (Curtis) Skeels</i>	<i>Bottle brush</i>	<i>Tree</i>
71.	<i>Myrtaceae</i>	<i>Eucalyptus globulus Labil.</i>	<i>Nilgiri</i>	<i>Tree</i>
72.	<i>Myrtaceae</i>	<i>Psidium guajava L</i>	<i>Jamphal</i>	<i>Tree</i>
73.	<i>Myrtaceae</i>	<i>Syzygium cumini (L.) Skeels</i>	<i>Jambu</i>	<i>Tree</i>
74.	<i>Cucurbitaceae</i>	<i>Coccinea grandis (L.) Voight.</i>	<i>Tindoli</i>	<i>Climber</i>
75.	<i>Cucurbitaceae</i>	<i>Cucumis callosus (Rottl.) Cogn.</i>	<i>Kothimdu</i>	<i>Climber</i>
76.	<i>Cucurbitaceae</i>	<i>Cucumis melo L ssp. agrestis (Naud.)Panglo</i>	<i>Sakkarteti</i>	<i>Climber</i>
77.	<i>Cucurbitaceae</i>	<i>Cucumis sativus L</i>	<i>Kakdi</i>	<i>Climber</i>
78.	<i>Cucurbitaceae</i>	<i>Cucurbita maxima Duch. ex. Lamk.</i>	<i>Kolu</i>	<i>Climber</i>
79.	<i>Cucurbitaceae</i>	<i>Lagenaria siceraria (Molina.) Standl.</i>	<i>Dudhi</i>	<i>Climber</i>
80.	<i>Cucurbitaceae</i>	<i>Luffa acutangula (L.) Roxb.</i>	<i>Turiya</i>	<i>Climber</i>
81.	<i>Cucurbitaceae</i>	<i>Luffa aegyptiaca Mill.</i>	<i>Galku</i>	<i>Climber</i>
82.	<i>Cucurbitaceae</i>	<i>Momordica charantia L.</i>	<i>Karela</i>	<i>Climber</i>
83.	<i>Cucurbitaceae</i>	<i>Momordica dioica Roxb. ex Willd.</i>	<i>Kantola</i>	<i>Climber</i>
84.	<i>Cucurbitaceae</i>	<i>Mukia maderaspatana (L.) Roem.</i>	<i>Chanak-chibhdi</i>	<i>Climber</i>
85.	<i>Cucurbitaceae</i>	<i>Trichosanthes cucumerina L</i>	<i>Jangli padval</i>	<i>Climber</i>
86.	<i>Rubiaceae</i>	<i>Hamelia patens Jacq.</i>		<i>Shrub</i>
87.	<i>Rubiaceae</i>	<i>Ixora brachiata Roxb.</i>		<i>Shrub</i>
88.	<i>Rubiaceae</i>	<i>Ixora coccinea L</i>	<i>Ratinevri</i>	<i>Shrub</i>

89.	<i>Rubiaceae</i>	<i>Mitragyna parvifolia (Roxb.) Korth.</i>	<i>Kadam</i>	<i>Tree</i>
90.	<i>Rubiaceae</i>	<i>Morinda pubescens Sm.</i>		<i>Tree</i>
91.	<i>Rubiaceae</i>	<i>Neolamarckia cadamba (Roxb.) Bosser</i>		<i>Tree</i>
92.	<i>Rubiaceae</i>	<i>Oldenlandia corymbosa L.</i>	<i>Parpat</i>	<i>Herb</i>
93.	<i>Asteraceae</i>	<i>Acanthospermum hispidum DC.</i>		<i>Herb</i>
94.	<i>Asteraceae</i>	<i>Bidens biternata (Lour.) Merr. & Scherif.</i>	<i>Karakokdi</i>	<i>Herb</i>
95.	<i>Asteraceae</i>	<i>Blumea eriantha DC.</i>	<i>Kapurio</i>	<i>Herb</i>
96.	<i>Asteraceae</i>	<i>Echinops echinata Roxb.</i>	<i>Shulio, Utkanto</i>	<i>Herb</i>
97.	<i>Asteraceae</i>	<i>Eclipta prostrata L</i>	<i>Bhangro</i>	<i>Herb</i>
98.	<i>Asteraceae</i>	<i>Elephantopus scaber L</i>	<i>Kharsat, Hastipad</i>	<i>Herb</i>
99.	<i>Asteraceae</i>	<i>Gerbera jamesonii Bolus</i>	<i>Daisy</i>	<i>Herb</i>
100.	<i>Asteraceae</i>	<i>Grangea maderaspatana (L) Poir.</i>	<i>Zinki mundi</i>	<i>Herb</i>
101.	<i>Asteraceae</i>	<i>Helianthus annuus L</i>	<i>Suryaphul</i>	<i>Shrub</i>
102.	<i>Asteraceae</i>	<i>Parthenium hysterophorus Linn.</i>	<i>Congress Grass</i>	<i>Herb</i>
103.	<i>Asteraceae</i>	<i>Sphaeranthus indicus L</i>	<i>Gorakhmundi</i>	<i>Herb</i>
104.	<i>Asteraceae</i>	<i>Spilanthes calva DC.</i>	<i>Akkalgaro</i>	<i>Herb</i>
105.	<i>Asteraceae</i>	<i>Spilanthes paniculata Wall. ex DC.</i>	<i>Akkalgaro</i>	<i>Herb</i>
106.	<i>Asteraceae</i>	<i>Tagetes erecta L</i>	<i>Galgato</i>	<i>Herb</i>
107.	<i>Asteraceae</i>	<i>Tridax procumbens L</i>	<i>Pardeshi bhangro</i>	<i>Herb</i>
108.	<i>Asteraceae</i>	<i>Vernonia cinerea (Linn.) Less.</i>	<i>Sahadevi, Sadedi</i>	<i>Herb</i>
109.	<i>Asteraceae</i>	<i>Vernonia elaeagnifolia DC.</i>		<i>Shrub</i>
110.	<i>Asteraceae</i>	<i>Xanthium strumarium L</i>	<i>Gokhru, Gadariyu</i>	<i>Herb</i>
111.	<i>Asclepiadace ae</i>	<i>Calotropis gigantea (Linn.) R.Br.</i>	<i>Akado</i>	<i>Shrub</i>

112.	<i>Asclepiadaceae</i>	<i>Calotropis procera (Ait.) R.Br.</i>	Akado	Shrub
113.	<i>Apocynaceae</i>	<i>Alstonia scholaris (Linn.) R.Br. in Mem.</i>	Saptaparni	Tree
114.	<i>Apocynaceae</i>	<i>Carissa carandas L</i>	Karmanda	Shrub
115.	<i>Apocynaceae</i>	<i>Catharanthus roseus (L) G. Don</i>	Barmasi	Herb
116.	<i>Apocynaceae</i>	<i>Ervatamia divaricata (L) Burkill</i>	Taggar	Shrub
117.	<i>Apocynaceae</i>	<i>Nerium oleander L</i>	Kanher,	Shrub
118.	<i>Apocynaceae</i>	<i>Plumeria alba L</i>	Champo	Tree
119.	<i>Apocynaceae</i>	<i>Plumeria obtusa L</i>		Tree
120.	<i>Apocynaceae</i>	<i>Plumeria rubra L</i>	Champo	Tree
121.	<i>Apocynaceae</i>	<i>Rauwolfia serpentina (Linn.) Benth.</i>	Sarpagandha	Shrub
122.	<i>Apocynaceae</i>	<i>Rauwolfia tetraphylla L</i>		Shrub
123.	<i>Apocynaceae</i>	<i>Thevetia peruviana (Pers.) Schum.</i>	Pili karen	Tree
124.	<i>Convolvulaceae</i>	<i>Ipomoea carnea Jacq.</i>	Besharam	Shrub
125.	<i>Convolvulaceae</i>	<i>Ipomoea eriocarpa R. Br.</i>		Climber
126.	<i>Convolvulaceae</i>	<i>Ipomoea marginata (Desv. in Lamk.) Verdc.</i>		Climber
127.	<i>Convolvulaceae</i>	<i>Ipomoea muricata (Linn.) Jacq.</i>		Climber
128.	<i>Convolvulaceae</i>	<i>Ipomoea nil (Linn.) Roth.</i>	Kaladana	Climber
129.	<i>Convolvulaceae</i>	<i>Ipomoea obscura (Linn.) Ker.-Gawl.</i>	Vad fudardi	Climber
130.	<i>Convolvulaceae</i>	<i>Ipomoea pes-tigridis Linn.</i>	Photial, Wagpadi	Climber
131.	<i>Convolvulaceae</i>	<i>Ipomoea quamoclit Linn.</i>	Kamini	Climber
132.	<i>Convolvulaceae</i>	<i>Ipomoea triloba Linn.</i>		Climber

	<i>ae</i>			
133.	<i>Convolvulaceae</i> <i>ae</i>	<i>Merremia gangentica (Linn.) Cufod.</i>	<i>Undardi</i>	<i>Climber</i>
134.	<i>Solanaceae</i>	<i>Capsicum annum L</i>	<i>Mirchi</i>	<i>Shrub</i>
135.	<i>Solanaceae</i>	<i>Cestrum noctornum L</i>	<i>Raat-Rani</i>	<i>Shrub</i>
136.	<i>Solanaceae</i>	<i>Datura inoxia Mill.</i>	<i>Daturo</i>	<i>Herb</i>
137.	<i>Solanaceae</i>	<i>Datura metel L</i>	<i>Daturo</i>	<i>Herb</i>
138.	<i>Solanaceae</i>	<i>Lycopersicon lycopersicum (Linn.) Karsten. ex Deut.</i>	<i>Tamatar</i>	<i>Herb</i>
139.	<i>Solanaceae</i>	<i>Nicotiana tabacum L</i>	<i>Tamaku</i>	<i>Herb</i>
140.	<i>Solanaceae</i>	<i>Physalis minima L</i>	<i>Popti</i>	<i>Herb</i>
141.	<i>Solanaceae</i>	<i>Solanum melongena L</i>	<i>Ringan</i>	<i>Herb</i>
142.	<i>Solanaceae</i>	<i>Solanum nigrum L</i>	<i>Ringni</i>	<i>Herb</i>
143.	<i>Solanaceae</i>	<i>Withania somnifera (L.) Dunal</i>	<i>Ashwagandha</i>	<i>Herb</i>
144.	<i>Bignoniaceae</i>	<i>Dolichandrone falcata (Wall. ex DC.) Seem.</i>	<i>Medshing</i>	<i>Tree</i>
145.	<i>Bignoniaceae</i>	<i>Heterophragma quadriloculare (Roxb.) K. Schum.</i>	<i>Varas</i>	<i>Tree</i>
146.	<i>Bignoniaceae</i>	<i>Oroxylum indicum (Linn.) Vent.</i>	<i>Tetu</i>	<i>Tree</i>
147.	<i>Bignoniaceae</i>	<i>Spathodea campanulata Beauv.</i>		<i>Tree</i>
148.	<i>Bignoniaceae</i>	<i>Stereospermum personatum (Hassk.) Chatt.</i>	<i>Padal</i>	<i>Tree</i>
149.	<i>Bignoniaceae</i>	<i>Tecoma stans (Linn.) Juss.</i>		<i>Tree</i>
150.	<i>Bignoniaceae</i>	<i>Tecomaria capensis (Thunb.) Spach.</i>		<i>Tree</i>
151.	<i>Bignoniaceae</i>	<i>Tecomella undulata (Sm.) Seem.</i>	<i>Ragat rohido</i>	<i>Tree</i>
152.	<i>Acanthaceae</i>	<i>Andrographis echiodides (Linn.) Nees</i>	<i>Kariyatu</i>	<i>Herb</i>
153.	<i>Acanthaceae</i>	<i>Barleria cristata L</i>	<i>Gokran</i>	<i>Shrub</i>
154.	<i>Acanthaceae</i>	<i>Hygrophila auriculata (Schumach.) Heine</i>	<i>Kantashelio</i>	<i>Herb</i>
155.	<i>Acanthaceae</i>	<i>Justicia adhatoda Linn.</i>	<i>Ardusi</i>	<i>Shrub</i>

156.	Verbenaceae	<i>Clerodendrum inerme</i> (Linn.) Gaertn.	Vad Mehandi	Shrub
157.	Verbenaceae	<i>Clerodendrum multiflorum</i> (Burm.f.) O.	Arni	Shrub
158.	Verbenaceae	<i>Gmelina arborea</i> Roxb.	Sevan	Shrub
159.	Verbenaceae	<i>Lantana camara</i> Linn.		Shrub
160.	Verbenaceae	<i>Lantana salvifolia</i>		Shrub
161.	Moraceae	<i>Artocarpus heterophyllus</i> Lamk.	Phanas	Tree
162.	Moraceae	<i>Ficus benghalensis</i> L	Vad	Tree
163.	Moraceae	<i>Ficus benjamina</i> L		Tree
164.	Moraceae	<i>Ficus carica</i> L	Anjir	Tree
165.	Moraceae	<i>Morus alba</i> Linn.	Shetur	Tree
166.	Poaceae	<i>Coix lachryma-jobi</i> Linn.	Kahudo, Kasai	Herb
167.	Poaceae	<i>Cynodon dactylon</i> (Linn.) Pers.	Darbh	Herb
168.	Poaceae	<i>Dendrocalamus strictus</i> (Roxb.) Nees	Narvans	Herb
169.	Poaceae	<i>Desmostachya bipinnata</i> (Linn.) Stapf in Dyer	Darbha	Herb
170.	Poaceae	<i>Echinochloa colona</i> (Linn.) Link	Samo	Herb
171.	Poaceae	<i>Eleusine coracana</i> (Linn.) Gaertn.	Nagli	Herb
172.	Poaceae	<i>Eleusine indica</i> (Linn.) Gaertn.	Ukdo	Herb
173.	Poaceae	<i>Oryza sativa</i> Linn.	Bhat, Chokha	Herb
174.	Poaceae	<i>Paspalidium flavidum</i> (Retz.) A. Camus	Jinko-samo	Herb
175.	Poaceae	<i>Pennisetum glaucum</i> (L.) R.Br.	Bajra	Herb
176.	Poaceae	<i>Saccharum officinarum</i> Linn.	Sherdi	Herb
177.	Poaceae	<i>Sorghum bicolor</i> (Linn.) Moench.	Juwar	Herb
178.	Poaceae	<i>Sorghum halepense</i> (Linn.) Pers.	Baru	Herb
179.	Poaceae	<i>Triticum aestivum</i> L	Ghahun	Herb
180.	Poaceae	<i>Zea mays</i> L	Makai	Herb