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FLORISTIC ANALYSIS OF RIPARIAN ANGIOSPERMS FROM SABARMATI RIVER OF GUJARAT STATE, INDIA

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ABSTRACT:

The present study deals with floristic analysis of plant species belongs to Angiosperms, **grow in the area** of Sabarmati river of Gujarat state , India. Plant exploration was conducted to determine plant species of Angiosperms. Plant species of Angiosperms from Sabarmati riverbed –riverside area, have been listed systematically which counts including indigenous cultivated and naturalized plants. The study area shows a floral diversity comprise of 384 genera and 542 species belong to 114 angiospermic families. Dicots were represented by 93 families and 459 species ,While Monocots were represented by 21 families and 83 species. These plant species **grow** wild as well as cultivated in study site .The Floristic analysis details given in the present paper.

KEY WORDS: Floristic, Riparian, Sabarmati river.

INTRODUCTION:

Floristic study and its analysis is undertaken in view of the importance of vegetation studies of the Sabarmati river .The riparian- riverain habitat is highly dynamic being at the meeting zone or ecotone of the flowing river and the riverside land subjected to anthropogenic influences. Floristic surveys highlight the existing pattern of vegetation . Floristic studies are taxonomic studies of a flora, or of a major segment of a flora of a given area . It means preparing a complete list of plants forming a vegetation community (George Usher). The study comprises of identifying and listing all the plants species present in an area. It always includes keys to plants of the rank of species and above and

description of all taxa that are recognized nomenclaturally. In the present research paper riverbed and riversides vegetation of the Sabarmati river was surveyed and analyzed. The aquatic vegetation is found in floating, submerged, and marshland condition. Most of the aquatic plant species disappear in summer with drying of the soil. Some places are stony, rocky or pebbly in the Sabarmati river and at times water is logged at other places, like moist alluvial or sandy soils. The vegetation of alluvial soil and moist soil is similar to the one found in wet lands. There are seasonal changes, which effects in vegetation pattern. This work requires information from various disciplines. But the main focus is based on the taxonomy of the riparian-riverain vegetation. Botanist have been study about floristic, taxonomy and phytosociology. Saxton & Sedgwick (1918), published the *Flora of Northern Gujarat*, Butcher, R.W (1947) studies on ecology of river. Basak, R.K. & D.N. Guha bakshi (1977) had done floristic studies on the lower Gangetic plain of the state of west Bengal. Bhattacharya U.C & A.K. Goel (1982) studies some ecological aspects of flora and vegetation of Tehri dam area in garhwal, Himalaya; G. L. Shah (1978) published the *Flora of Gujarat State* in two volumes.; *Sedges of Sabarmati river* studied by Shah C. K. (1963); *Taxonomic study of river* near Malsar by Dixit S. C. (1940) and description of *floristic and phytosociological studies of the river Narmada* by Vyas K. J. (1974) Vaidya B.S. and Vora A.B. (1964) recorded some new species in Ahmedabad. Similarly description of floristic and phytosociological studies of major river like Narmada in Gujarat State by Vyas K. J. (1974). Shah C. K. (1963) reported Sedges of the Sabarmati river.

STUDY AREA:

The geographical situation of the Sabarmati river is between 22° 30' to 24° 30' North latitude and 72° 30' to 73° 30' East longitude. It originates from Arvali hills, near Vekaria in Rajasthan State and enters in the Gujarat state at the boundary of the Sabarkantha district. It passing through across the Northern to central part of the Gujarat state. It flows through seven districts of the Gujarat state, namely Banaskantha, Sabarkantha, Mehsana, Gandhinagar, Ahmedabad, Kheda and Anand and finally enters into the Gulf of Khambhat (Cambay). Sabarmati river is one of the longest river in the state and its length is about 418 km. It has total 5475 sq.km catchments area.

MATERIALS AND METHOD:

The study on angiosperms family from the Sabarmati river of Gujarat, India is based on the results obtained from both extensive and intensive studies of the vegetation of area under study. Field survey was carried out for collection of plants. Identification of plant species during field work was done by compiling different floras available and authenticated by experts from University department and research

institutes. The photographs of all the plant species were taken during field trip. This piece of work is survey based. Surveys were made for a five years during research work from 2000 to 2004 and it has been observe and collect data frequently upto 2014. The collected plants were categorized according to their systematic positions on the levels of family and order, following Bentham & Hookers classification system. The list of plant species Family, Analytical data represent in description.

RESULTS:

The total Angiosperm flora of Sabarmati river including indigenous cultivated and naturalized plants. The study area shows a floral diversity comprise of 384 genera and 542 species belong to 114 angiospermic families.

Dicots were represented by 93 families and 459 species while Monocots were represented by 21 families and 83 species. The following table no.8 gives the number and percentage of families, genera and species belong to Dicotyledons and Monocotyledons.

DISCUSSION & CONCLUSION:

The present research paper on floristic analysis of river sabarmati, indicated that what extent the vegetation in the area, It is the product of its environment and also examine the phytogeographic affinities of the flora. Floristic studies can provide the clear understanding of the process and conditions, biogeographical, ecological and development in the growth of vegetation. The analysis of the plant species in the area gives the result that the total Angiosperm flora including naturalized and indigenous plants comprises of about 542 species belong to 384 genera of 114 families. Of the 542 species, 459 species belong to Dicotyledons and 83 species belonging to Monocotyledons. Of the 384 genera 318 genera belong to Dicotyledons and 66 genera belong to Monocotyledons. Of the 114 families 93 families belong to Dicotyledons and 21 families belong to Monocotyledons. The dominant families of Dicotyledon are *Fabaceae* with 43 spp., *Asteraceae* with 25 spp., *Euphorbiaceae* with 25 spp., *Caesalpiniaceae* with 19 spp., *Convolvulaceae* with 17 spp., *Cucurbitaceae* with 15 spp. The dominant families of the Monocotyledons are *Poaceae* and *Cyperaceae* with 34 and 11 species respectively.

There are total 56 monogeneric families, 42 belonging to Dicotyledons and 14 belonging to Monocotyledons. There are total 44 monospecies families, 30 belonging to Dicotyledons and 14 belonging to Monocotyledons. In the dicotyledons there are 218 herbs, 65 shrubs, 14 undershrubs, 112 trees, Climbers 32, twiners 18 and in the monocotyledons there are 71 herbs, 02 shrubs, no any undershrubs, 05 trees, climbers 04, twiners 01.

The cultivated plants belong to dicotyledons are 179 and 29 belong to monocotyledons. The wild plants belong to dicotyledons are 280 and 54 belong to monocotyledons. Plant Species : Great value for the species indicate great diversity and importance of the particular habitat or ecosystem. It is indicated by total number of species in an area. This is the number of individuals of plant species per study area of occurrence. Total 542 species present in the study area. The Genera with 4 or more species are,

Ipomoea 11, *Cassia* 9, *Euphorbia* 7, *Cyperus* 7, *Acacia* 5, *Solanum* 5, *Ficus* 5, *Corchorus* 4, *Grewia* 4, *Zizyphus* 4, *Crotolaria* 4, *Indigofera* 4, *Terminalia* 4, *Heliotropium* 4, *Ocimum* 4.

The dominance of the plant species especially of semi-arid zone type species and presence of different life forms like herbs, shrubs, climbers, twiners, lianas, epiphytes and trees in a particular ratio shows clear structural of the semi arid zone to arid zone. The abundance of herbs and dominance of the mesophytes & xerophytes species indicate the vegetation and its structure. The presence of weeds and deciduous species are mainly found in this vegetation.. A good percentage of the herbs and tree species present in the area. Here the herbs and trees dominate. This explains one of the unique characteristics of the riparian ecology where the riverside always remain open and its influence determines abundance and presence of the medium sized evergreen and riparian tree species

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LIST OF SURVEYED PLANT SPECIES:

Sr.No	BBM No.	BOTANICAL NAME	LOCAL NAME (In Gujarati)	FAMILY NAME	No.
1.	002	<i>Anona squamosa</i> L.	Sitaphal	ANONACEAE	1
2.	211	<i>Anona reticulata</i> L.	Ramphal	"	
3.	305	<i>Artabotrys hexapetalus</i> (Roxb.) Sinc.	Pilo champo	"	
4.	065	<i>Polyalthia longifolia</i> (Sonn.) Thw.	Asopalav	"	
5.	001	<i>Polyalthia longifolia</i> var.pandula	Asopalav	"	
6.	148	<i>Cissampelos pareira</i> L.	Venival	MENISPERMACEAE	2
7.	066	<i>Cocculus hirsutus</i> (L.) Diels.	Vevdi	"	
8.	208	<i>Tinospora cordifolia</i> (Willd) Miers.	Galo,	"	
9.	147	<i>Nymphaea pubescens</i> Willd	Poyna	NYMPHAEACEAE	3
10.	259	<i>Nymphaea stellata</i> Willd	Poyna	"	
11.	003	<i>Argemone mexicana</i> L.	Darudi	PAPAVERACEAE	4
12.	068	<i>Brassica juncea</i> (L.) Czern. & Cross	Rai	BRASSICACEAE	5
13.	067	<i>Brassica oleracea</i> var.capitata L.	Cobbij	"	
14.	069	<i>Brassica oleracea</i> var .botrytis L.	Fulevar	"	
15.	257	<i>Raphanus sativus</i> L.	Mulo	"	
16.	258	<i>Raphanus caudatus</i> L.	Mogri	"	
17.	306	<i>Lepidium sativum</i>	Aselio	"	
18.	308	<i>Cadaba fruticosa</i> (L.) Druce	Telio Hemkand	CAPPARACEAE	6
19.	209	<i>Capparis decidua</i> (Forsk.) Edgeo	Kerado	"	
20.	210	<i>Capparis sepiaria</i> L.	Kanthar	"	
21.	070	<i>Crateva nurvala</i> Buch.-Ham.	Vayvarno	"	
22.	089	<i>Maerua oblongifolia</i> (Forsk) A.Rich	Hemkand	"	
23.	145	<i>Cleome gynandra</i> L.	Ghandhatu	CLEOMACEAE	7
24.	146	<i>Cleome viscosa</i> L.	Pili talavni	"	
25.	307	<i>Cleome chelidonii</i> L.	Ubhi talavni	"	
26.	213	<i>Hybanthus enneaspermus</i> (L.) F.Muell.		VIOLACEAE	8
27.	071	<i>Cochlospermum religiosum</i> L.	Katiro	COCHLOSPERMACEAE	9
28.	260	<i>Flacourtia indica</i> (Burm.f.) Mer	Gargugal	FLACOURTIACEAE	10
29.	149	<i>Polygala chinensis</i> L.	Pili Bhonyasan	POLYGALACEAE	11
30.	310	<i>Polygala erioptera</i> Dc.	Patsan, Bhonyasan	"	
31.	153	<i>Polycarpaea corymbosa</i> (L.) Lam		CARYOPHYLLACEAE	12
32.	397	<i>Spergula arvensis</i> L.		"	
33.	004	<i>Portulaca oleracea</i> L.	Moti luni	PORTULACACEAE	13
34.	212	<i>Portulaca quadrifida</i> L.	Zini luni	"	
35.	072	<i>Tamarix dioica</i> Roxb.	Bhuri pras	TAMARICACEAE	14
36.	358	<i>Tamarix ericoides</i> Rottl.		"	
37.	308	<i>Bergia ammannioides</i> Roxb.		ELATINACEAE	15
38.	357	<i>Bergia suffruticosa</i> (Del.) Fenzl.	Ropatri, Lavariu	"	
39.	458	<i>Abelmoschus manihot</i> (L.) Medic.	Jangli Bhindi	MALVACEAE	16
40.	005	<i>Abutilon indicum</i> (L.) Sw.	Khapat	"	
41.	073	<i>Gossypium herbaceum</i> L.	Kapas	"	
42.	007	<i>Hibiscus hirtus</i> L.	Dupari	"	
43.	074	<i>Hibiscus ovalifolius</i> (Forsk.) Vahl.	Chanak Bhindi	"	

44	309	<i>Hibiscus rosa-sinensis</i> L.	Jasud	"		
45	150	<i>Thespesia populina</i> L.	Paraspiplo	"		
46	006	<i>Sida acuta</i> Burm.f.	Bala	"		
47	075	<i>Sida cordifolia</i> L.	Bala	"		
48	151	<i>Sida retusa</i> L.	Ati-bala	"		
49	214	<i>Urena lobata</i> L.	Vagdau Bhind	"		
50	076	<i>Bombax ceiba</i> L.	Simal, Simlo	BOMBACACEAE	17	
51	152	<i>Adansonia digitata</i> L.	Rukhdo	"		
52	008	<i>Helicteres isora</i> L.	Maradsing,	STERCULIACEAE	18	
53	461	<i>Sterculia urens</i> Roxb.	Kadayo	"		
54	402	<i>Kleinhovia hospital</i> l.	Bataria	"		
55	077	<i>Waltheria indica</i> L.		"		
56	263	<i>Guazuma tomentosa</i> H.B.&K.	khotu rudraksh	"		
57	460	<i>Dombeya acutangula</i>		"		
58	078	<i>Corchorus aestuans</i> L.	Chunch	TILIACEAE	19	
59	401	<i>Corchorus fascicularis</i> Lam.	Ubhi bahuphali	"		
60	079	<i>Corchorus olitorious</i> L.	Bor chunch	"		
61	400	<i>Corchorus trilocularis</i> L.	Kadvi chunch	"		
62	009	<i>Grewia damine</i> Gaerfen.	Sisoti, Sen	"		
63	262	<i>Grewia flavescens</i> Juss	Khatakhati	"		
64	010	<i>Grewia tenax</i> (Forsk.) Fiori.	Gangeti	"		
65	217	<i>Grewia tiliaefolia</i> Vahl.	Dhaman	"		
66	080	<i>Triumfetta rhomboidea</i> Jacq	Zipti	"		
67	261	<i>Triumfetta rotundifolia</i> Lam.	Zipti, Golzipti	"		
68	081	<i>Tribulus terrestris</i> L.	Bethu Gokharu	ZYGOPHYLLACEAE	20	
69	311	<i>Biophytum sensitivum</i> (L.) Dc	Risamnu	OXALIDACEAE	21	
70	359	<i>Oxalis corniculata</i> L.	Changeri, Navari	"		
71	459	<i>Impatiens balsamina</i> L.	Tanmania	BALSAMINACEAE	22	
72	011	<i>Aegle marmelos</i> (L.) Corr	Bili	RUTACEAE	23	
73	082	<i>Citrus limon</i> (L.) Burm.f.	Limbu	"		
74	398	<i>Limonia acidissima</i> L.	Kothu, Kothi	"		
75	012	<i>Murraya koenigii</i> (L.) Spreng.	Mitho limdo	"		
76	162	<i>Murraya paniculata</i> l.	Kamini	"		
77	083	<i>Ailanthus excelsa</i> Roxb.	Arduso	SIMAROUBACEAE	24	
78	013	<i>Balanites aegyptiaca</i> (L.) Del.	Ingorio	BALANITACEAE	25	
79	399	<i>Commiphora wightii</i> (Arn.)	gugal	BURSERACEAE	26	
80	264	<i>Boswellia serrata</i> Roxb.	Saledi	"		
81	014	<i>Azadirachta indica</i> A.Juss.	Limdo	MELIACEAE	27	
82	319	<i>Melia azedarach</i> L.	Bakan limdo	"		
83	015	<i>Celastrus paniculata</i> Willd.	Malkangani	CELASTRACEAE	28	
84	403	<i>Maytenus emarginata</i> (Willd.) D.Hon	Vicklo	"		
85	016	<i>Zizyphus mauritiana</i> Lam.Bor,	Bordi	RHAMNACEAE	29	
86	266	<i>Zizyphus nummularia</i> (Burm.f.) W.& A.	Chani Bor	"		
87	267	<i>Zizyphus oenoplia</i> (L.) Mill.Gard.	Boyadi no velo	"		
88	017	<i>Zizyphus xylopyra</i> (Retz.) Willd.	Ghat Bor	"		
89	404	<i>Cayratia carnosa</i> (Lam.) Gagnep.	Khat khatumbo	VITACEAE	30	
90	085	<i>Cissus repanda</i> Vahl.	Pani velo	"		
91	265	<i>Cissus quadrangularis</i> L.	Hadsankal	"		
92	464	<i>Cardiospermum halicacabum</i> L.	Kagdoliyo	SAPINDACEAE	31	
93	313	<i>Sapindus emarginatus</i> Vahl.	Aritha	"		
94	312	<i>Dodonaea viscosa</i> L.	Zakhmi	"		

95	018	<i>Mangifera indica</i> L.	Ambo, Keri	ANACARDIACEAE	32
96	186	<i>Buchanania lanzan</i> Spreng.	Charoli	"	
97	087	<i>Moringa oleifera</i> Lam.	Mitho Saragavo	MORINGACEAE	33
98	019	<i>Abrus precatorius</i> L.	Chanothi	FABACEAE	34
99	360	<i>Alysicarpus longifolius</i> (Rottle.ex. Spreng)	Ghoda samervo	"	
100	215	<i>Alysicarpus tetragonolobus</i> Edgew.	Samervo	"	
101	463	<i>Alysicarpus vaginalis</i> (L.) Dc.		"	
102	216	<i>Butea monosperma</i> (Lam.) Taub.	Khakharo	"	
103	088	<i>Butea superba</i> Roxb.	Khakharvel	"	
104	499	<i>Cajanus cajan</i> (L.) Millsp.	Tuver	"	
105	500	<i>Canavalia gladiata</i> (Jacq.) Dc.	Abbo	"	
106	405	<i>Cicer arietinum</i> L.	Chana	"	
107	020	<i>Clitoria ternatea</i> L.	Garni, Bibli	"	
108	269	<i>Crotalaria burhia</i> Buch.-Ham.	Kharsan	"	
109	406	<i>Crotalaria juncea</i> L.	Shan, Shun	"	
110	268	<i>Crotalaria linifolia</i> L.	Adabau San	"	
111	156	<i>Crotalaria medicaginea</i> Lam.	Adbau Methi	"	
112	502	<i>Cyamopsis tetragoloba</i> (L.) Taub.	Gawar, Guwar	"	
113	090	<i>Dalbergia sissoo</i> Roxb.	Moto sisam	"	
114	271	<i>Derris indica</i> (Lam.) Bennet.	Kanaji, Karanj	"	
115	468	<i>Desmodium gangeticum</i> (L.) Dc.	Salvan	"	
116	091	<i>Gliricidia sepium</i> L.		"	
117	021	<i>Goniogyna hirta</i> (Willd) Ali		"	
118	154	<i>Indigofera cordifolia</i> Heyne.		"	
119	467	<i>Indigofera linifolia</i> Retz.	Jinki Gali	"	
120	155	<i>Indigofera linnaei</i> Ali.	Fatakiya	"	
121	092	<i>Indigofera tinctoria</i> L.	Gali, Nil	"	
122	093	<i>Medicago sativa</i> L.	Rajko	"	
123	501	<i>Melilotus alba</i> Lam.	Jangli Methi	"	
124	361	<i>Melilotus indica</i> Ali.		"	
125	465	<i>Mucuna prurita</i> Hk.f.	Kaucha	"	
126	023	<i>Pisum sativum</i> L.	Vatana	"	
127	409	<i>Psoralea corylifolia</i> L.	Barchi	"	
128	471	<i>Pterocarpum marsupium</i>	Biyo	"	
129	022	<i>Rhynchosia minima</i> (L.) Dc.	Nahni Kamalvel	"	
130	314	<i>Sesbania bispinosa</i> (Jacq.) W.F.	Ikad	"	
131	095	<i>Tephrosia purpurea</i> (L.) Pers.	Sarpankho	"	
132	408	<i>Tephrosia strigosa</i> (Dalz.) Sant. & Mah.		"	
133	096	<i>Tephrosia villosa</i> (L.) Pers.	Runchhali sarpankho	"	
134	407	<i>Trigonella foenum-graecum</i> L.	Methi	"	
135	024	<i>Trigonella occulata</i> L.		"	
136	466	<i>Vigna unguiculata</i> (L.) Walp.	Choli	"	
137	270	<i>vigna mungo</i> L.	Adad	"	
138	094	<i>Vigna triloba</i> L.	Magamathi	"	
139	410	<i>Vigna radiata</i> l.	Mung	"	
140	531	<i>Zornia gibbosa</i> Span.	Samarapani	"	
141	025	<i>Bauhinia racemosa</i> Lam.	Apto	CAESALPINIACEAE	35
142	415	<i>Bauhinia purpurea</i> Lam.	Kanchnar	"	
143	026	<i>Caesalpinia pulcherima</i> L.	Galtoro	"	
144	414	<i>Caesalpinia crista</i> L.	Kachka	"	
145	097	<i>Cassia absus</i> L.	Chimed, Chon	"	

146	027	<i>Cassia auriculata</i> L.	Aval	”		
147	273	<i>Cassia fistula</i> L.	Garmalo	”		
148	316	<i>Cassia javanica</i> L.		”		
149	272	<i>Cassia obtusifolia</i> L.	Punvadio	”		
150	098	<i>Cassia occidentalis</i> L.	Kasundro	”		
151	413	<i>Cassia siamea</i> Lam.	Kasod	”		
152	315	<i>Cassia sophora</i> L.	sundri	”		
153	099	<i>Cassia tora</i> L.	Kuvandio	”		
154	030	<i>Delonix elata</i> (L.) Gamble.	Sandhesaro	”		
155	028	<i>Delonix regia</i> (Boj.) Raf.	Gulmohor	”		
156	100	<i>Parkinsonia aculeata</i> L.	rambaval	”		
157	412	<i>Peltophorum pterocarpum</i> (Dc.) Backer	Tamrafali	”		
158	362	<i>Saraca indica</i> L.	Ashok	”		
159	411	<i>Tamarindus indica</i> L.	Khathi Amli	”		
160	032	<i>Acacia chundra</i> (Roxb.) Willd.	Khair	MIMOSACEAE		36
161	276	<i>Acacia jacquemontii</i> Bth.	Rato Baval	”		
162	469	<i>Acacia leucophloea</i> (Roxb.) Willd.	Hermo Baval	”		
163	031	<i>Acacia nilotica</i> (L.) Del.	Desi Baval,	”		
164	275	<i>Acacia senegal</i> (L.) Willd.	Gorad Baval	”		
165	274	<i>Albizia lebbeck</i> (L.) Bth.	Kalo Siris	”		
166	033	<i>Dichrostachys cinerea</i> (L.) W. & A.	Mor Dhundhiyu	”		
167	470	<i>Mimosa hamata</i> Willd.	Kasi Baval	”		
168	101	<i>Mimosa pudica</i> L.	Lajamani	”		
169	034	<i>Pithecellobium dulce</i> (Roxb.) Bth.	Goras Amli	”		
170	280	<i>Prosopis chilensis</i> (Sw.)DC.	Gando baval	”		
171	221	<i>Prosopis cineraria</i> (L.) Druces	Khijdo	”		
172	418	<i>Vahlia digyna</i> Roxb.	Pilo agio	VAHLIACEAE		37
173	102	<i>Kalanchoe pinnata</i> Pers.	Panphuti	CRASSULACEAE		38
174	103	<i>Kalanchoe lacinata</i> DC.	Pattharchati	”		
175	279	<i>Anogeissus latifolia</i> (Roxb.) Wall.	Dhavdo	COMBRETACEAE		39
176	159	<i>Anogeissus pendula</i> Edgew.	Dhankra	”		
177	104	<i>Quisqualis indica</i> L.	Madhumalti	”		
178	158	<i>Terminalia arjuna</i> (Roxb.) W. &A.	Arjun sadad	”		
179	220	<i>Terminalia bellirica</i> (Gaertn.) Roxb.	Behda,	”		
180	035	<i>Terminalia catappa</i> L.	Deshi badam	”		
181	157	<i>Terminalia crenulata</i> Roth.	Sadad	”		
182	278	<i>Eucalyptus globulus</i> Labill.	Nilgiri	MYRTACEAE		40
183	219	<i>Psidium guajava</i> L.	Jamphal	”		
184	277	<i>Syzygium cumini</i> (L.) Skells.	Jambu	”		
185	105	<i>Callistemon lanceolata</i> DC.	Botalbrush	”		
186	218	<i>Ammannia baccifera</i> L.	Jal agio	LYTHRACEAE		41
187	416	<i>Ammannia multiflora</i> Roxb.	Zino agio	”		
188	106	<i>Lawsonia inermis</i> L.	Mendhi	”		
189	417	<i>Woodfordia fruticosa</i> (L.) Kurz.	Dhavdi	”		
190	036	<i>Lagerstroemia parviflora</i> Roxb.	Chinai mehndi	”		
191	363	<i>Punica granatum</i> L.	Dadam	PUNICACEAE		42
192	109	<i>Turnera ulmifolia</i> L.		TURNERACEAE		43
193	107	<i>Ludwigia perennis</i> L.		ONAGRACEAE		44
194	317	<i>Ludwigia octovalvis</i> (Mich.) Raven	Panlavang	”		
195	118	<i>Trapa natans</i> L.	Shinghoda	TRAPACEAE		45
196	037	<i>Passiflora foetida</i> L.	Krishna kamal	PASSIFLORACEAE		46

197	160	<i>Carica papaya</i> L.	Papaya	CARICACEAE	47
198	110	<i>Citrullus lanatus</i> (Thunb.) Mats. & Nak.	Tarbuch	CUCURBITACEAE	48
199	113	<i>Coccinia grandis</i> (L.) Voigt.	Ghilodi	"	
200	473	<i>Ctenolepis cerasiformis</i> (L.) Cl.	Ankhphutamni	"	
201	111	<i>Cucumis callosus</i> (Rottl.) Cogn.	Kothimadu	"	
202	284	<i>Cucumis melo</i> L.	Sakkarteti	"	
203	420	<i>Cucumis sativus</i> L.	Kakadi	"	
204	112	<i>Cucurbita maxima</i> Duch.	Kolu	"	
205	283	<i>Lagenaria leucantha</i> (Duch.) Rusby	Dudhi	"	
206	365	<i>Luffa acutangula</i> (L.) Roxb.	Turiya	"	
207	114	<i>Luffa cylindrica</i> (L.) M.J.Roen.	Galku	"	
208	364	<i>Luffa echinata</i> Roxb.	Kukadvel	"	
209	116	<i>Momordica charantia</i> L.	Karela, Kareli	"	
210	115	<i>Momordica dioica</i> Roxb.	Kankoda	"	
211	117	<i>Mukia maderaspatana</i> (L.) M.Roem.	Chanak Chibadi	"	
212	282	<i>Trichosanthes cucumerina</i> L.	Jangli Parval	"	
213	223	<i>Opuntia elatior</i> Mill. Gard.	Phaphadathor	CACTACEAE	49
214	318	<i>Glinus lotoides</i> L.	MithoOkharad	MOLLUGINACEAE	50
215	281	<i>Mollugo nudicaulis</i> Lam.		"	
216	419	<i>Mollugo pentaphylla</i> L.		"	
217	503	<i>Trianthema portulacastrum</i> L.	Satodo	AIZOACEAE	51
218	129	<i>Coriandrum sativum</i> L.	Dhana, Kothmar	APIACEAE	52
219	038	<i>Cuminum cyminum</i> L.	Geeru, Jiru	"	
220	040	<i>Foeniculum vulgare</i> Mill.	Variyari	"	
221	472	<i>Pimpinella tomentosa</i> Dalz.	Jangli Jiru	"	
222	504	<i>Daucus carota</i> L. var sativa	gajar	"	
223	222	<i>Centella asiatica</i> L.B ham	Brahmi	"	
224	524	<i>Alangium salvifolium</i> (L.f.) Wang.	Ankol, Ankoli	ALANGIACEAE	53
225	041	<i>Adina cordifolia</i> (Roxb.) Bth. & Hk.f.	Haldu, Haldarvo	RUBIACEAE	54
226	505	<i>Borreria articularis</i> (L.f.) F.N.Will.	Ganthiyu	"	
227	506	<i>Borreria stricta</i> (L.f.) Schum.	Ganthiyu	"	
228	164	<i>Canthium parviflorum</i> Lam.	Kirni	"	
229	042	<i>Ixora coccinia</i> L.	rati nevri	"	
230	287	<i>Hamelia patens</i> Jacq.	Hamelia	"	
231	286	<i>Gardenia turgida</i> Roxb.	Gangdi	"	
232	475	<i>Hymenodictyon excelsum</i> (Roxb.) Wall.	Bhamarchhal	"	
233	043	<i>Anthocephalus indicus</i> A.Rich	Kadamb	"	
234	422	<i>Morinda tomentosa</i> Heyne	Aal, Ali	"	
235	226	<i>Oldenlandia corymbosa</i> L.	Parpat	"	
236	474	<i>Xeromphis spinosa</i> (Thunb.) Keay	Mindhal	"	
237	163	<i>Acanthospermum hispidum</i> Dc.		ASTERACEAE	55
238	366	<i>Ageratum conyzoides</i> L.	Ajgandha	"	
239	285	<i>Blainvillea acmella</i> (L.) Philip	Dholu Fuldu	"	
240	044	<i>Blumea eriantha</i> Dc.	Kapurio	"	
241	225	<i>Caesulia axillaris</i> Roxb.		"	
242	304	<i>Cichorium intybus</i> L.	Chikory	"	
243	045	<i>Chrysanthemum indicum</i> DC.	Gul daudi	"	
244	319	<i>Cyathocline purpurea</i> (D.Don) O.Ktze	Okharad	"	
245	161	<i>Echinops echinatus</i> Roxb.	Kanta Suliyo	"	
246	367	<i>Eclipta prostrata</i> (L.) L.Mant.	Bhangro	"	
247	368	<i>Gnaphalium indicum</i> L.	Phulvo	"	

248	421	<i>Grangea maderaspatana</i> (L.) Poir.	Zinki Mundi	”		
249	162	<i>Launaea procumbens</i> (Roxb.) Rama &	Moti Bhonpatr	”		
250	046	<i>Parthenium hysterophorus</i> L.		”		
251	118	<i>Pulicaria angustifolia</i> DC.	Sisolia jevi	”		
252	224	<i>Pulicaria wightiana</i> DC.	Sonfulki	”		
253	288	<i>Sonchus oleraceus</i> L.	Dudhali sonki	”		
254	165	<i>Sclerocarpus africanus</i> Jacq.		”		
255	047	<i>Sphaeranthus indicus</i> L.	Gorakh Mundi	”		
256	048	<i>Tagetes pattula</i> L.	Galgota	”		
257	049	<i>Tridax procumbens</i> L.	Bhangro	”		
258	119	<i>Vernonia anthelmintica</i> (L.) Willd.	Kalijiri	”		
259	120	<i>Vernonia cinerea</i> (L.) Less.	Sahdevi	”		
260	371	<i>Vicoa indica</i> (L.) DC.	Sonasali	”		
261	478	<i>Xanthium strumarium</i> L.	Gadariyu	”		
262	425	<i>Plumbago zeylanica</i> L.	Citrak	PLUMBAGINACEAE		56
263	370	<i>Anagallis arvensis</i> L.	Kalu phuldu	PRIMULACEAE		57
264	168	<i>Madhuca indica</i> J.F.Gmel.	Mahudo	SAPOTACEAE		58
265	322	<i>Manilkara hexandra</i> (Roxb.) Dub.	Rayan	”		
266	167	<i>Mimusops elengi</i> L.	Bakul	”		
267	321	<i>Achras zapota</i> L.	Chiku	”		
268	050	<i>Diospyros cordifolia</i> Roxb.Dheki,	Makardu	EBENACEAE		59
269	421	<i>Diospyros melanoxylon</i> Roxb.	Timaru	”		
270	477	<i>Nyctanthes arbor-tristis</i> L.	Parijatak	OLEACEAE		60
271	228	<i>Jasminum multiflorum</i> L.	Mogro	”		
272	369	<i>Schrebera swietenoides</i> Roxb.	Mokho	”		
273	051	<i>Salvadora oleoides</i> Deene.	Piludi	SALVADORACEAE		61
274	320	<i>Salvadora persica</i> L.	Piludi	”		
275	227	<i>Carissa congesta</i> Wt.	Karamdi	APOCYNACEAE		62
276	423	<i>Catharanthus pusillus</i> (Murr.)	Khatrau Barmashi	”		
277	476	<i>Catharanthus roseus</i> (L.) G.Don.	Barmashi	”		
278	166	<i>Ervatamia divaricata</i> (L.) Burkill	Chandani	”		
279	523	<i>Holarrhena antidysenterica</i> (L.) Wall	Indrajav	”		
280	052	<i>Nerium indicum</i> Mill.	Lal Karen	”		
281	053	<i>Plumeria rubra</i> L.	Champo	”		
282	507	<i>Rauvolfia tetraphylla</i> L.	Sarp-gandha	”		
283	014	<i>Thevetia peruviana</i> (Pers.) Merrill	Pili Karen	”		
284	522	<i>Wrightia tinctoria</i> R.Br.	Dudhalo	”		
285	055	<i>Calotropis gigantea</i> (L.) R.Br.	Moto ankado	ASCLEPIADACEAE		63
286	429	<i>Calotropis procera</i> (Ait.) R.Br.	Nano ankado	”		
287	402	<i>Dregea volubilis</i> (I.F.) Bth.ex.H.f.	Moti Dodi	”		
288	171	<i>Gymnema sylvestre</i> (Retz)	Madhunashini	”		
289	481	<i>Holostemma annularium</i> (Roxb.) K.Schum	Khiri Dodi	”		
290	430	<i>Leptadenia pyrotechnica</i> (Forsk.) Decne.	Khip	”		
291	232	<i>Leptadenia reticulata</i> (Retz.) W. & A.	Nani Dodi	”		
292	480	<i>Pentatropis spiralis</i> (Forsk.) Decne.		”		
293	373	<i>Pergularia daemia</i> (Forsk.) Chior	Chamar Dudheli	”		
294	525	<i>Tylophora indica</i> Burm.f.	Damvel	”		
295	056	<i>Cryptostegia grandiflora</i> R.Br.	Rubbervel	PERIPLOCACEAE		64
296	324	<i>Hemidesmus indicus</i> (L.) R.Br.	Dudhvel, Anantmuli	”		
297	170	<i>Strychnos potatorum</i> L.	Nirmuli, Nirmali	LOGANIACEAE		65
298	326	<i>Canscora diffusa</i> (Vahl.) R.Br.	Zinku Kariatu	GENTIACEAE		66

299	479	<i>Enicostema hyssopifolium</i> (willd)Verd Mamejvo	”	
300	057	<i>Cordia dichotoma</i> Forsk.f.	Moto gundo	EHRETIACEAE 67
301	372	<i>Cordia gharaf</i> (Forsk.) Ehrenb. & A.Liar	Gundi	”
302	058	<i>Cordia sebestana</i> L.		”
303	323	<i>Ehretia laevis</i> Roxb.	Vadhvardi	”
304	426	<i>Coldenia procumbens</i> L.	Basario	BORAGINACEAE 68
305	229	<i>Heliotropium indicum</i> L.	Hathi Sundho	”
306	059	<i>Heliotropium ovalifolium</i> Forsk.		”
307	428	<i>Heliotropium subulatum</i> Hochst.	Hathi sundhi	”
308	427	<i>Heliotropium supinum</i> L.	Ghedio Okharad	”
309	230	<i>Trichodesma indicum</i> (L.) R.Br.	Undhafuli	”
310	527	<i>Trichodesma zeylanicum</i> (Burm.f.) R.Br.		”
311	508	<i>Convolvulus microphyllus</i> (Roth.) Sieb.	Shankhawali	CONVOLVULACEAE 69
312	231	<i>Convolvulus arvensis</i> L.	Veldi	”
313	169	<i>Evolvulus alsinoides</i> (L.) L.	KaliShankhawali	”
314	059	<i>Ipomoea aquatica</i> Forsk.	Nada ni vel	”
315	329	<i>Ipomoea quamoclit</i> (L.)	Kamlata	”
316	328	<i>Ipomoea eriocarpa</i> R.Br.	Bodi Fudardi	”
317	435	<i>Ipomoea fistulosa</i> Mart.	Naffatvel	”
318	060	<i>Ipomoea muricata</i> (L.) Jacq.	Bhamardi	”
319	436	<i>Ipomoea nil</i> (L.) Roth.	Kaladana	”
320	327	<i>Ipomoea obscura</i> (L.) Ker-Gawl.	Vad Fudardi	”
321	376	<i>Ipomoea pes-caprae</i> (L.) Sw.	Maryad vel	”
322	375	<i>Ipomoea pes-tigridis</i> L.	Wagpadi vel	”
323	434	<i>Ipomoea batatas</i> L.	Shakkaria	”
324	061	<i>Ipomoea palmata</i> L.	Narvel	”
325	443	<i>Merremia gangetica</i> (L.) Cufod.	Undardi	”
326	062	<i>Jacquemontia violacea</i> choisy	Jakshini	”
327	374	<i>Rivea hypocrateriformis</i> (Desr.) Choisy	Fang	”
328	063	<i>Cuscuta reflexa</i> Roxb.	Amarvel	CUSCUTACEAE 70
329	325	<i>Datura innoxia</i> Mill.	KaloDhanturo	SOLANACEAE 71
330	326	<i>Datura metel</i> L.	Dhanturo	”
331	484	<i>Cestrum nocturnum</i> L.	Ratrani	”
332	485	<i>Cestrum diurnum</i> L.	Divas no raja	”
333	483	<i>Lycopersicon lycopersicum</i> (L.) Karst.	Tameta	”
334	234	<i>Physalis longifolia</i> Nutt.		”
335	233	<i>Physalis minima</i> L.	Popti, Parpoti	”
336	431	<i>Solanum indicum</i> L.	Ubhi Ringni	”
337	509	<i>Solanum melongena</i> L.	Ringana	”
338	432	<i>Solanum nigrum</i> L.	Bhony Piludi	”
339	064	<i>Solanum surattense</i> Burm.f.	Bhony Ringni	”
340	510	<i>Solanum tuberosum</i> L.	Batata	”
341	330	<i>Withania somnifera</i> (L.) Dunal	Ashvagandha	”
342	331	<i>Bacopa monnieri</i> (L.) Pennell	Bam, Jalnaveri	SCROPHULARIACEAE 72
343	332	<i>Limnophila indica</i> (L.) Druce	Tarati	”
344	380	<i>Lindenbergia muraria</i> (Roxb.) P.Bruehl.	Patharchatti	”
345	440	<i>Lindernia ciliata</i> (Colsm.) Pennell.		”
346	379	<i>Lindernia crustacea</i> (L.) F.muell.		”
347	529	<i>Lindernia oppositifolia</i> (Retz.) Mukharjee		”
348	173	<i>Striga angustifolia</i> (D.Don.) Sald.	Dholo Agiyo	”
349	439	<i>Cistanche tubulosa</i> Wt		OROBANCHACEAE 73

350	528	<i>Verbascum chinense</i> (L.) Santa.	Kalhar	”		
351	333	<i>Utricularia inflexa</i> Forsk.		LENTIBULARIACEAE		74
352	237	<i>Jacaranda mimosifolia</i> D. Don		BIGNONIACEAE		75
353	378	<i>Dolichandrone falcata</i> var. <i>lawii</i> (seem) Haines	Medsing	”		
354	236	<i>Kigella pinnata</i> (Jacq.)		”		
355	511	<i>Tecomella undulata</i> (Sm.)	Ragatrohido	”		
356	172	<i>Tabebuia rosea</i> Hemsl.		”		
357	334	<i>Millingtonia hortensis</i> L.	Desi buch	”		
358	377	<i>Spathodea campanulata</i> Beaun.		”		
359	512	<i>Tecoma stans</i> L.	Vasanti	”		
360	437	<i>Pedaliium murex</i> L.	Ubhu Gokharu	PEDALIACEAE		76
361	235	<i>Sesamum indicum</i> L.	Tal	”		
362	335	<i>Sesamum laciniatum</i> L.	Vagdau Tal	”		
363	486	<i>Martynia annua</i> L.	Vinchudo	MARTYNIACEAE		77
364	513	<i>Adhatoda vasica</i> (L.) Nees.	Ardushi	ACANTHACEAE		78
365	514	<i>Andrographis echiioides</i> (L.) Nees.	Kariyatu	”		
366	438	<i>Barleria prionitis</i> L.	Pilo Kantasheliyo	”		
367	336	<i>Blepharis maderaspatensis</i> (L.) Roth	Untigan	”		
368	530	<i>Hemigraphis crenata</i> Bth. ex Hohenack)		”		
369	174	<i>Elytraria acaulis</i> (L.f.) Lindau		”		
370	531	<i>Hygrophila auriculata</i> (Schum.) Heine	Kanta shuliyo	”		
371	175	<i>Justicia procumbens</i> L.		”		
372	178	<i>Lepidagathis trinervis</i> Wall.	Harancharo	”		
373	535	<i>Neuracanthus sphaerostachyus</i> (Nees) z. Ganthera		”		
374	515	<i>Peristrophe bicalyculata</i> (Retz.) .	Kali Anghedi	”		
375	443	<i>Dipterocanthus patula</i> Jacq.	Chamardi	”		
376	534	<i>Thumbergia erecta</i> Bth.	Mohan	”		
377	341	<i>Clerodendrum multiflorum</i> (Burm.f.)	Arani	VERBENACEAE		79
378	340	<i>Clerodendrum inerme</i> (Burm.f.) O.	Ktze Arani	”		
379	238	<i>Gmelina arborea</i> Roxb.	Sevan, Sivan	”		
380	533	<i>Lantana camara</i> L.	Indradhanush	”		
381	176	<i>Lantana indica</i> L.	Indradhanush	”		
382	339	<i>Phyla nodiflora</i> (L.) Greene	Ratveliyo	”		
383	533	<i>Tectona grandis</i> L.	Sag	”		
384	338	<i>Vitex negundo</i> L.	Nagod, Nagud	”		
385	381	<i>Stachystarphita jamaicensis</i> Vahl.		”		
386	442	<i>Anisomeles indica</i> (L.) O. Ktze	Chodharo	LAMIACEAE		80
387	532	<i>Hyptis suaveolens</i> (L.) Poit		”		
388	239	<i>Leucas aspera</i> (Willd.) Spr.	Kubi	”		
389	177	<i>Leucas biflora</i> R.Br.		”		
390	337	<i>Leucas cephalotes</i> (Roxb. ex.) Spr.	Khetaru Kubo	”		
391	441	<i>Mentha viridis</i> L.	Fudino	”		
392	487	<i>Moschosma polystachyum</i> (L.) Bth.	Dungarau Tuls	”		
393	240	<i>Ocimum basilicum</i> L.	Damaro	”		
394	241	<i>Ocimum canum</i> Sims.	Ran Tulsi	”		
395	516	<i>Ocimum sanctum</i> L.	Tulsi	”		
396	536	<i>Ocimum gratissimum</i> L.	Van tulsi	”		
397	243	<i>Plantago ovata</i> Forsk.	Isabgol	PLANTAGINACEAE		81
398	242	<i>Plantago psyllium</i> L.	Jiralo	”		
399	180	<i>Boerhavia repanda</i> (L.) Druce	Satodi	NYCTAGINACEAE		82
400	179	<i>Boerhavia diffusa</i> L.	Ghetuli Satodi	”		

401	184	<i>Boerhavia verticillata</i> Poir	Moto Satodo	"	
402	185	<i>Bougainvillea spectabilis</i> Willd.	Boganvel	"	
403	187	<i>Bougainvillea glabra</i> DC.	Boganvel	"	
404	186	<i>Bougainvillea peruviana</i> Willd	Boganvel	"	
405	343	<i>Mirabilis jalapa</i> L.	Gulbas	"	
406	245	<i>Achyranthes aspera</i> var. <i>aspera</i>	Anghedi	AMARANTHACEAE	83
407	244	<i>Aerva javanica</i> (Burm.f.) Juss.	Gorakh Ganjo	"	
408	342	<i>Alternanthera pungens</i> H.B.&K.		"	
409	291	<i>Alternanthera sessilis</i> (L.) Dc.	jaljanbhvo	"	
410	383	<i>Amaranthus hybridus</i> L.	Rajgaro	"	
411	183	<i>Amaranthus spinosus</i> L.	Kantalo dambho	"	
412	490	<i>Amaranthus viridis</i> L.	Dhimdo	"	
413	290	<i>Celosia argentea</i> L. Lampadi	Lampado	"	
414	246	<i>Digera muricata</i> (L.) Mart.	Kanejro	"	
415	444	<i>Gomphrena celosioides</i> Mart.	Button	"	
416	489	<i>Pupalia lappacea</i> (L.) Juss.	Dholo zipto	"	
417	488	<i>Chenopodium album</i> L.	Chil ni bhaji	CHENOPODIACEAE	84
418	289	<i>Beta vulgaris</i> beet	Beet	"	
419	382	<i>Spinacia oleracea</i> L.	Palak bhaji	"	
420	182	<i>Polygonum glabrum</i> Willd	Sheral	POLYGONACEAE	85
421	181	<i>Polygonum plebeium</i> R.Br.	Jinko okhrad	"	
422	537	<i>Aristolochia indica</i> L.	Kidamari	ARISTOLOCHIACEAE	86
423	538	<i>Dendrophthoe falcata</i> (L.f.) ett.	Vando	LORANTHACEAE	87
424	247	<i>Santalum album</i> L.	chandan	SANTALACEAE	88
425	448	<i>Acalypha ciliata</i> Forsk.	Dadari, Dadarj	EUPHORBIACEAE	89
426	517	<i>Acalypha indica</i> L.	Khokoli	"	
427	539	<i>Baliospermum montanum</i> (Willd.)	Danti jamalgot	"	
428	446	<i>Bridelia retusa</i> (L.) Spr.	Asan, Monj	"	
429	447	<i>Chrozophora rottleri</i> (Geis) Juss.	Kalo Okharad	"	
430	192	<i>Croton bonplandianum</i> Baill.		"	
431	396	<i>Pedilanthus tithymaloides</i> (L)		"	
432	540	<i>Drypetus roxburghii</i> (Wall.)	Putranjivi	"	
433	191	<i>Dalechampea scandens</i> L.	Khoti khajavani	"	
434	395	<i>Emblica officinalis</i> Gaertn.	Amla	"	
435	495	<i>Euphorbia heterophylla</i> L.	Lalpatti	"	
436	142	<i>Euphorbia hirta</i> L.	Nagli Dudheli	"	
437	518	<i>Euphorbia neriifolia</i> L.	Bhungro Thor	"	
438	143	<i>Euphorbia nivulia</i> Buch -Ham.	Thor	"	
439	190	<i>Euphorbia orbiculata</i> H.B.&K.	Bethi dudheli	"	
440	346	<i>Euphorbia parviflora</i> L.	Ubhi dudheli	"	
441	144	<i>Euphorbia tirucalli</i> L.	Kharsani	"	
442	252	<i>Jatropha curcas</i> L.	Ratanjyot	"	
443	384	<i>Jatropha gossypifolia</i> L.	Vilayati Arandi	"	
444	341	<i>Kirganelia reticulata</i> (Poir.) Baill	Kamboi	"	
445	393	<i>Phyllanthus fraternus</i> Web.	Bhony Ambli	"	
446	394	<i>Phyllanthus urinaria</i> L.	Bhony Ambli	"	
447	345	<i>Phyllanthus virgatus</i> Forsk.	Moti Bhony Ambli	"	
448	253	<i>Ricinus communis</i> L.	Arandi	"	
449	41	<i>Securinega leucopyrus</i> (Willd.)	Thumari	"	
450	44	<i>Holoptelea integrifolia</i> (Roxb.)	Kanjo, Papada	ULMACEAE	90
451	188	<i>Ficus benghalensis</i> L. Vad	Vad	MORACEAE	91

452	256	<i>Ficus krishnae</i> C de C.	Makhan katori	"	
453	493	<i>Ficus drupacea</i> Thunb.	Pipli	"	
454	256	<i>Ficus hispida</i> L.f.	Kalo umbaro	"	
455	492	<i>Ficus racemosa</i> L.	Umbaro	"	
456	189	<i>Ficus religiosa</i> L.	Piplo	"	
457	255	<i>Morus alba</i> L.	Shetur	"	
458	494	<i>Casuarina equisetifolia</i> Forst.	Sharu	CASUARINACEAE	92
459	196	<i>Ceratophyllum demersum</i> L.		CERATOPHYLLACEAE	93
460	133	<i>Hydrilla verticillata</i> (L.f.) Royle.	Jalbam	HYDROCHARITACEAE	94
461	134	<i>Vallisneria spiralis</i> L.	Jalsarpolio	"	
462	195	<i>Curcuma domestica</i> Gran.	Haldar	ZINGIBERACEAE	95
463	132	<i>Musa paradisiaca</i> L.	Kel	MUSACEAE	96
464	141	<i>Canna indica</i> L.	Bajarbattu	CANNACEAEHC	97
465	296	<i>Curculigo orchoides</i> Gaertn.	Kali musli	HYPOXIDACEAE	98
466	194	<i>Crinum asiaticum</i> L.	Nagdaman	AMARYLLIDACEAE	99
467	131	<i>Agave americana</i> L.	Ketki	AGAVACEAE	100
468	391	<i>Dioscorea bulbifera</i> L.	Dukkar kand	DIOSCOREACEAE	101
469	294	<i>Allium cepa</i> L.	Dungari,	LILIACEAE	102
470	295	<i>Allium sativum</i> L.	Lasan	"	
471	350	<i>Aloe barbadensis</i> Mill.	Kuvarpathu	"	
472	140	<i>Asparagus racemosus</i> Willd.	Shatavari	"	
473	347	<i>Asphodelus tenuifolius</i> Cav.	Dungaro	"	
474	348	<i>Chlorophytum tuberosum</i> (Roxb.)	safed Musali	"	
475	130	<i>Gloriosa superba</i> L.	Kankasani, Vachhnag	"	
476	293	<i>Yucca gloriosa</i> L.	Yucca	"	
477	292	<i>Urginea indica</i> (Roxb.) Kunth.	Jangali dungali	"	
478	193	<i>Smilax zeylanica</i> L.	Sarsaparilla	SMILACACEAE	103
479	365	<i>Eichhornia crassipes</i> (Mart.)	Kanphutti	PONTEDERIACEAE	104
480	138	<i>Commelina benghalensis</i> L.	Shishmulyu	COMMELINACEAE	105
481	139	<i>Commelina diffusa</i> Burm.f.	Shishmulyu	"	
482	450	<i>Commelina forskalaei</i> Vahl.	Shishmulyu	"	
483	392	<i>Setcreasea purpurea</i> L.		"	
484	297	<i>Cyanotis cristata</i> (L.) Schult.f.		"	
485	451	<i>Murdannia nudiflora</i> (L.) Brenan.		"	
486	136	<i>Cocos nucifera</i> L. Nariel		ARECACEAE	106
487	137	<i>Phoenix sylvestris</i> (L.) Roxb.	Khajuri	"	
488	121	<i>Roystonea regia</i> (H.B.&K.)	Bottle palm	"	
489	205	<i>Caryota urens</i> L.	Shivjata	"	
490	251	<i>Pandanus odoratissimus</i> L.	kevdo	PANDANACEAESC	107
491	112	<i>Typha angustata</i> Bory & Chaub	Ghabajariyu	TYPHACEAE	108
492	250	<i>Colocasia esculenta</i> (L.) Schott.	alvi	ARACEAE	109
493	123	<i>Pistia stratiotes</i> L.	JalshankhlaL	"	
494	204	<i>Pothos scandens</i> L.	Adu ni vel	"	
495	124	<i>Lemna gibba</i> L.	lemna	LEMNACEAE	110
496	300	<i>Potamogeton nodosus</i> Poir.		POTAMOGETONACEAE	111
497	203	<i>Najas minor</i> All.		NAJADACEAE	112
498	249	<i>Cyperus rotundus</i> L.		CYPERACEAE	113
499	386	<i>Cyperus tuberosus</i> Rottb.	Nagarmoth	"	
500	125	<i>Cyperus triceps</i> Rottb.		"	
501	390	<i>Cyperus bulbosus</i> (Rottb) Endl.	Thongi	"	
502	349	<i>Cyperus corymbosa</i> (Rottb) Endl.		"	

503	126	<i>Cyperus difformis</i> L.			”
504	298	<i>Cyperus haspan</i> Roxb.	Chiyo		”
505	206	<i>Eleocharis dulcis</i> (Burm.f)			”
506	127	<i>Fimbristylis bisumbellata</i> Forsk.			”
507	452	<i>Fimbristylis dichotoma</i> Vahl.			”
508	351	<i>Scirpus grossus</i> L	Khsharu		”
509	248	<i>Aristida adscensionis</i> L	Lapadu	POACEAE	114
510	496	<i>Aristida funiculatae</i> Trin.&Rupr.			”
511	128	<i>Apluda mutica</i> LPhophul			”
512	453	<i>Bambusa vulgaris</i> Schrad.	Vans		”
513	453	<i>Bambusa arundinacea</i> (Retz.) Willd.	Kanti vans		”
514	299	<i>Brachiaria setigera</i> (Retz)	Kanaru		”
515	129	<i>Cenchrus biflorus</i> Roxb.	Motu Dhramn		”
516	519	<i>Cenchrus ciliaris</i> L.	Jhinu Dhramnu		”
517	520	<i>Chloris barbata</i> Sw.	Mindadiu		”
518	202	<i>Cynodon dactylon</i> (L.) Pers.	Darbh, Dharo		”
519	457	<i>Dactyloctenium aegyptium</i> (L.) P.Beauv			”
520	201	<i>Chrysopogon fulvus</i> (Spr.ocnio.)	Khad sundhiu		”
521	498	<i>Cymbopogon citratus</i> (DC.)	Lili chaha		”
522	450	<i>Cymbopogon martinii</i> Roxb.	Rosh ghas		”
523	522	<i>Dendrocalamus strictus</i> Roxb.	Manvel Vans		”
524	353	<i>Desmostachya bipinnata</i> (L.)	Dabh		”
525	303	<i>Dichanthium annulatum</i> (Forsk.)	Zinzvo		”
526	389	<i>Digitaria adscendens</i> (H.B.&K.	tanodiyu		”
527	200	<i>Echinochloa colonum</i> L.	Samo		”
528	497	<i>Eragrostis ciliaris</i> (L.) R.Br.	Murmur		”
529	302	<i>Eragrostis tenella</i> (L.) P.Beauv.	Kalavo, Limor		”
530	455	<i>Eragrostis diarrhena</i> (schult.)			”
531	352	<i>Melanocenchris jacquemontii</i> J. & S.			”
532	199	<i>Oryza sativa</i> L.	Chokha, Dangar		”
533	301	<i>Panicum miliaceum</i> L	Moraiyo		”
534	198	<i>Paspalum disticum</i> Roxb.			”
535	387	<i>Pennisetum typhoides</i> (Burm.f.)	Bajri, Bajra		”
536	388	<i>Paspilidum punctatum</i> Burm. F.			”
537	356	<i>Saccharum munja</i> L.	Sarkhat		”
538	454	<i>Setaria glauca</i> (L.) P.Beauv.	Kutri ghas		”
539	355	<i>Setaria tomentosa</i> (Roxb.) Kunth	Chiktu, Kutri		”
540	521	<i>Sorghum bicolor</i> (L.) Moench	Juvar, Juwar		”
541	197	<i>Triticum sativum</i> L.	Ghahun		”
542	354	<i>Zea mays</i> L.	Makai		”

ANGIOSPERMS	Families		Genera		Species	
	No.	%	No.	%	No.	%
Dicotyledons	93	81.58%	318	82.82%	459	86.25%
Polypetalae	53	56.93 %	149	46.85 %	224	48.80 %
Gamopetalae	28	30.10%	131	41.19%	174	37.90%
Apetalae	12	12.97%	38	11.94%	61	13.30%
Monocotyledons	21	18.42%	66	17.18%	83	13.75%
Total	114	100%	384	100%	542	100%

Table 1. STATISTICAL ANALYSIS OF FAMILIES , GENERA & SPECIES

Table 2. List of Families (including total No. of genera and species)

Sr. No.	Family	Genera		Species
1	Annonaceae	3	5	
2	Menispermaceae	3	3	
3	Nymphaeaceae	1	2	
4	Papaveraceae	1	1	
5	Brassicaceae	3	6	
6	Capparaceae	4	5	
7	Cleomaceae	1	3	
8	Violaceae	1	1	
9	Cochlospermaceae	1	1	
10	Flacourtiaceae	1	1	
11	Polygalaceae	1	2	
12	Caryophyllaceae	2	2	
13	Portulacaceae	1	2	
14	Tamaricaceae	1	2	
15	Elatinaceae	1	2	
16	Malvaceae	7	11	
17	Bombacaceae	2	2	
18	Sterculiaceae	6	6	
19	Tiliaceae	3	10	
20	Zygophyllaceae	1	1	
21	Oxalidaceae	2	2	
22	Balsaminaceae	1	1	
23	Rutaceae	4	5	
24	Simaroubaceae	1	1	
25	Balanitaceae	1	1	
26	Burseraceae	2	2	

27	Meliaceae	2	2
28	Celastraceae	2	2
29	Rhamnaceae	1	4
30	Vitaceae 2	3	
31	Sapindaceae	3	3
32	Anacardiaceae	2	2
33	Moringaceae	1	1
34	Fabaceae27	43	
35	Caesalpiniaceae	8	19
36	Mimosaceae	6	12
37	Vahliaceae	1	1
38	Crassulaceae	1	2
39	Combretaceae	3	7
40	Myrtaceae	4	4
41	Lythraceae	4	5
42	Punicaceae	1	1
43	Turneraceae		1 1
44	Onagraceae	1	2
45	Trapaceae	1	1
46	Passifloraceae	1	1
47	Caricaceae	1	1
48	Cactaceae	1	1
49	Cucurbitaceae	10	15
50	Molluginaceae	2	3
51	Aizoaceae	1	1
52	Apiaceae6	6	
53	Alangiaceae	1	1
54	Rubiaceae	11	12
56	Asteraceae	23	25
57	Plumbaginaceae	1	1
56	Primulaceae	1	1
58	Sapotaceae	4	4
59	Ebenaceae	1	2
60	Oleaceae 3	3	
61	Salvadoraceae	1	2
62	Apocynaceae	9	10
63	Asclepiadaceae	8	10
64	Periplocaceae	2	2
65	Loganiaceae	1	1
66	Gentianaceae	2	2
67	Ehretiaceae	2	4
68	Boraginaceae	3	7
69	Convolvulaceae	6	17
70	Cuscutaceae	1	1
71	Solanaceae	6	13
72	Scrophulariaceae	5	7
73	Orobanchaceae	2	2
74	Lentibulariaceae	1	1
75	Bignoniaceae	8	8

76	Pedaliaceae	2	3
77	Martyniaceae	1	1
78	Acanthaceae	13	13
79	Verbenaceae	7	9
80	Lamiaceae	6	11
81	Plantaginaceae	1	2
82	Nyctaginaceae	3	7
83	Amaranthaceae	8	11
84	Chenopodiaceae	3	3
85	Polygonaceae	1	2
86	Aristolochiaceae	1	1
87	Loranthaceae	1	1
88	Santalaceae	1	1
89	Euphorbiaceae	15	25
90	Ulmaceae	1	1
91	Moraceae	2	7
92	Casuarinaceae	1	1
93	Ceratophyllaceae	1	1
94	Hydrocharitaceae	2	2
95	Zingiberaceae	1	1
96	Musaceae	1	1
97	Cannaceae	1	1
98	Hypoxidaceae	1	1
99	Amaryllidaceae	1	1
100	Agavaceae	1	1
101	Dioscoreaceae	1	1
102	Liliaceae	8	9
103	Smilacaceae	1	1
104	Pontederiaceae	1	1
105	Commelinaceae	4	6
106	Arecaceae	4	4
107	Pandanaceae	1	1
108	Typhaceae	1	1
109	Araceae	3	3
110	Lemnaceae	1	1
111	Potamogetonaceae	1	1
112	Najadaceae	1	1
113	Cyperaceae	4	11
114	Poaceae	27	34
TOTAL		384	542

TABLE 3. Dominant families : 10 or more than 10 species

Sr.No.	Family	Genera	Species
1	Fabaceae	27	43
2	Poaceae	27	34
3	Asteraceae	23	25
4	Euphorbiaceae	15	25
5	Caesalpiniaceae	08	19

6	Convolvulaceae	06	17
7	Cucurbitaceae	10	15
8	Acanthaceae	13	13
9	Solanaceae	06	13
10	Rubiaceae	11	12
11	Mimosaceae	06	12
12	Amaranthaceae	08	11
13	Malvaceae	07	11
14	Lamiaceae	06	11
15	Cyperaceae	04	11
16	Apocynaceae	09	10
17	Asclepiadaceae	08	10
18	Tiliaceae	03	10

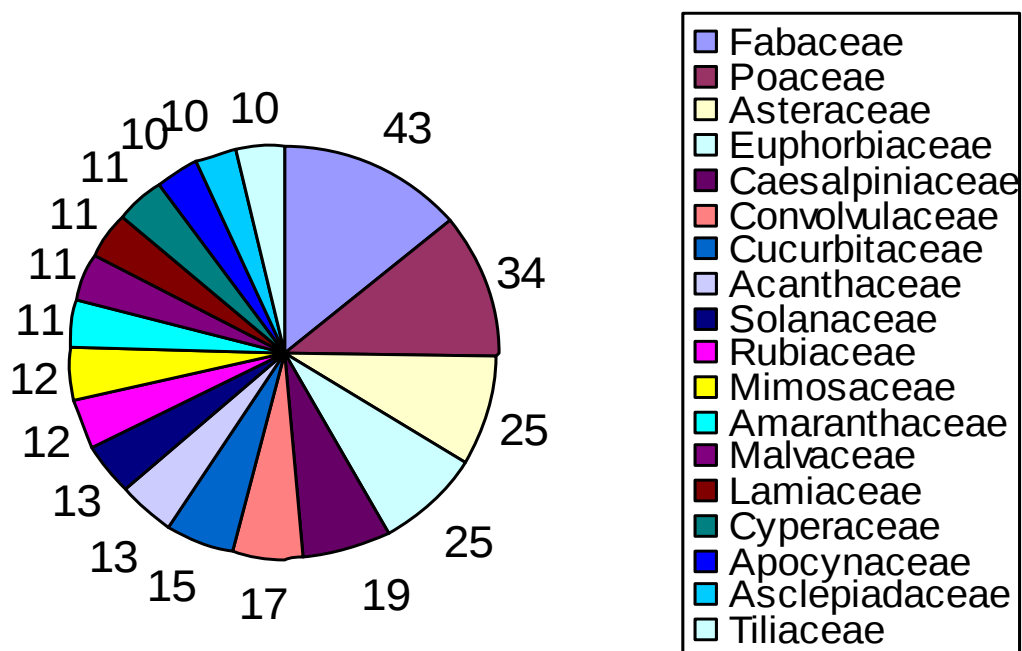
TABLE 4. ANALYSIS OF HABIT

ANGIOSPERMS	Herbs	Shrubs	Undershrubs	Trees	Climbers	Twiners
DICOTYLEDONS	218	65	14	112	32	18
MONOCOTYLEDONS	71	02	00	05	04	01
TOTAL	288	67	14	117	36	19

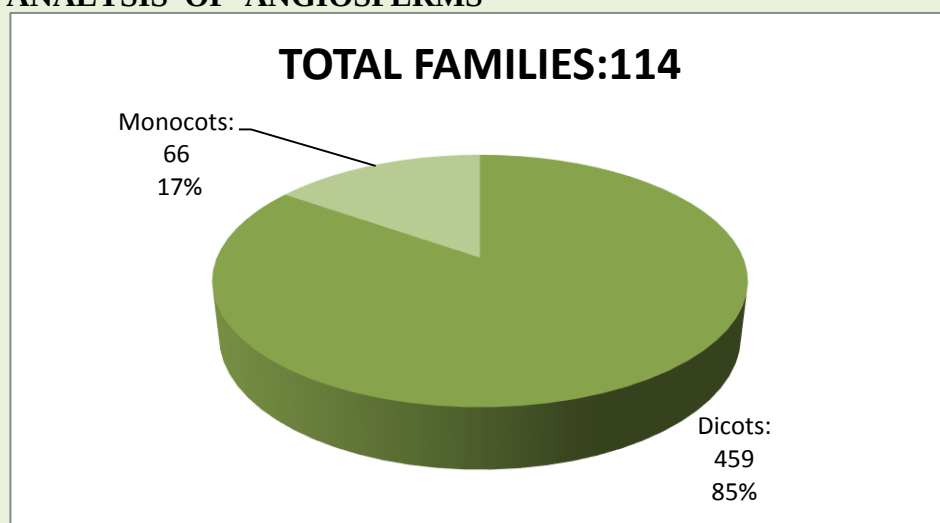
TABLE 5. ANALYSIS OF CULTIVATED / WILD PLANTS

ANGIOSPERMS	CULTIVATED PLANTS	WILD PLANTS	TOTAL
DICOTYLEDONS	179	280	459
MONOCOTYLEDONS	29	54	83
TOTAL	208	334	542

Dominant families

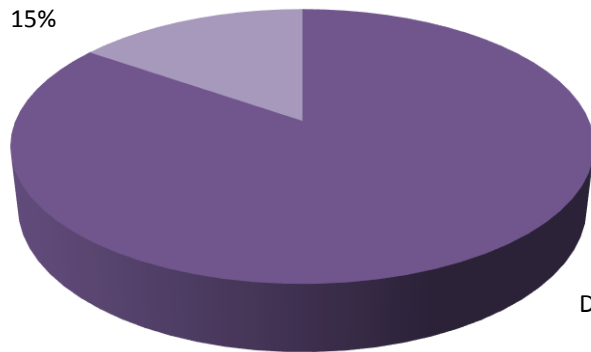


ANALYSIS OF ANGIOSPERMS



TOTAL GENERA :384

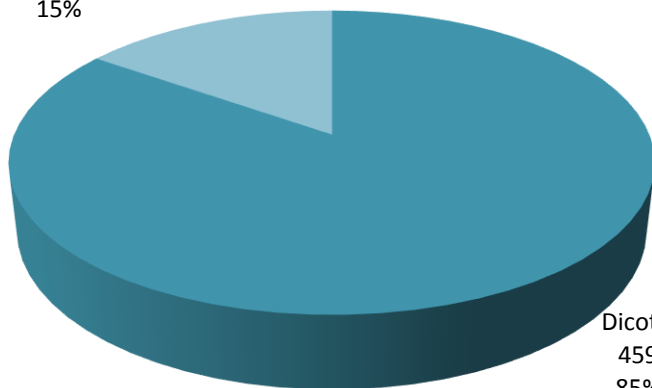
Monocots
83
15%



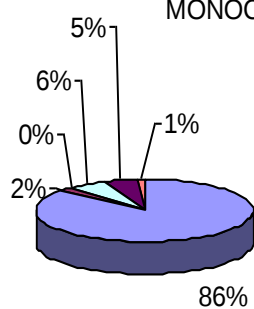
Dicots:
459
85%

TOTAL SPECIES :542

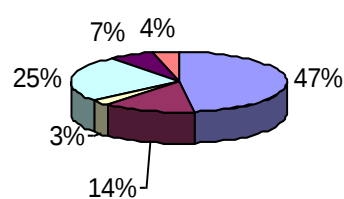
Monocots:
83
15%



Dicots:
459
85%

MONOCOTS

☐ Herbs
☐ Shrubs
☐ undershrubs
☐ Trees
☐ Climbers
☐ Twiners

DICOTS

☐ Herbs
☐ Shrubs
☐ undershrubs
☐ Trees
☐ Climbers
☐ Twiners

