

Species Diversity of Vascular Plants of Bhupdeopur Reserve Forest, Raigarh Chhattisgarh in Central India

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Abstract :- A survey on plant diversity was conducted in Bhupdeopur Reserve forest, Raigarh, C.G. India through the period of 2009 to 2011. After field survey, observed plants were listed followed by botanical name, vernacular name, family, habit, with the help of available literature. Total of 243 plant species belonging to 97 Genera and 87-families were recorded which indicate the heterogenous floristic composition in Bhupdeopur forest.

Keywords:-

Species diversity, vascular plant, floristic composition, Bhupdeopur reserve forest, Raigarh.

Introduction :- From the ancient period forest play a vital role in life supporting system and livelihood for the entire human kind. The importance of wild life for maintaining the stability of forest ecosystem and also for biodiversity point of view is very much felt along with the forest cover. The importance of biodiversity is known to human beings ever since they began to observe the nature and natural resources and making use of these for their survival. Plant community plays an important role in sustainable management by maintaining biodiversity and conserving the environment [farooque & saxena, 1999.] It provides shelter, food, medicine and everything for the human being and other species of that area. The main

role of reserve forest is the conservation of biological diversity at a global level. In addition to this scientific approach needed to identify and document the diversity and create awareness about the significance of these valuable resources.

Study area:- Raigarh district of the Chhattisgarh state was selected as a study site for present work. Raigarh is one of the tribal districts of the state. The district has 9 developmental blocks out of which 6 are 'tribal -blocks'.

The present study was carried out at Bhudeopur Reserve forest of Raigarh forest division. The site is spread at about 8 to 25 km of north west of Raigarh city. The area comes under Raigarh forest range of Raigarh forest division. with in Raigarh and kharsia administrative block. According to the records of forest department, the area has divided into 20 beats. The total area of the forest is 4451.6 ha in which 4300.4 ha area is reserve forest and 151.2 ha area is protected forest.

Materials & method:- In the study of floristic composition a survey of the forest was conducted and listing of trees, shrubs and herbs [in three different seasons summer, winter a rainy] was done the identification of plants was done with the help of flora like flora of British India, vol-I-VII by Hookers [1872,1879], Cooke [1967], Panigrahi And Murti [1989], Gamble [1935]. herbarium sheet of uncommon plant

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species was prepared and confirmed by comparing with authentic specimens housed in the Central Institute of medicinal and aromatic plant lucknow and BSI Central National herbarium Kolkata. Photographs of plants specially uncommon plants were also taken with digital camera.

Results and discussion

The findings of the study are given in the table. 1. A total of 243 vascular plants were recorded from the study area. [Bhupdeopur reserve forest] belonging to -97——genera and - ——87-family.

Tree layer:- Among them 75 species belong to trees 48 shrubs and 120 were herbs: The 75 tree species belong to 36 families and 63 genera all the families were of class Dicotyledonae 27 families were belonging to sub class polypetalae and (07) of gamopetalae and (02) of Monochlamydae. In terms of tree the Rubiaceae family was found to be the dominant family

Shrub layer:- Total 48 shrub species belonging to 28 families and 45 genera were recorded most of the families were of class dicotyledonae and about (4) families were of monocot. 13 families were belonging to class polypetale (9) of gamopetalae and (2) of monochlamydae. Fabaceae and Uphorbiaceae were found to be the dominant family.

Herb layer :- Total 120 herbs species were recorded in 3 different seasons and season wise their findings were as follows :-

Herb layer summer season :- The total of 54 herb species of summer season belonging to 24 families and 46 genera were recorded most of the plants were of class dicotydedonae 13 families were belonging to sub-class polypetalae 08 are of gamopetalae 02 were belonging to monochlamydae 2 were of monocot and one was a pteridophyte Fabaceae was a dominant family.

Herb layer winter season :- phytosociology studies in terms of herb layer recorded 70 herb species in winter season belonging to 27 families and 59 genera. Most of the families were of class dicotyledonae, 12 families were belonging to subclass polypetalae, 7 were of gamopetalae 1 of monochlamydae and 1 of pteridophyte Poaceae was found to be the dominant family.

Herb layer rainy season :- Total of 107 herb species of rainy season belonging to 37 families and 85 genera were recorded. Most of the Families were belonging to sub-class polypetalae. 08 of gamopetalae 04 of monochlamydae 09 of monocot and 3 were pteridophyte. The maximum number of herb species of rainy season was noted for family Asteraceae [10] so Asteraceae was the dominant family.

Floristically the tropical dry deciduous forests are less complex than the other types of forest [Murphy and Lugo, 1986] but Bhupdeopur reserve forest was found to be very rich in biodiversity. No systematic documentation have been made so far to know the floristic composition of the area, that how many types of plant species are found and how many of them are endangered and at the verge of extinction. The proposed work will be very useful in documenting the floristic composition of the area.

Table – I L Reserve fo

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Table – I List of species of Bhupdeopur – Reserve forest

	Species	Families	Local name	Form	Habit
1	<i>Abrus precatorius</i> Linn	Fabaceae	Gunja	Shrub	Dicot
2	<i>Abutilon indicum</i> (Link) Sweet	Malvaceae	Atibalaa	herb	Dicot
3	<i>Acacia auriculaeformis</i> A Cunn	Mimosaceae	Australian Babool	Tree	Dicot
4	<i>Acacia catechu</i> Willd	Mimosaceae	Khair	Tree	Dicot
5	<i>Acacia leucophloea</i> Willd	Mimosaceae	Safed kikar	Tree	Dicot
6	<i>Acacia lamata</i> Linn	Mimosaceae	Magar datti	Shrub	Dicot
7	<i>Acacia nilotica</i> (L) Willd ex Delile sp	Mimosaceae	Babool	Tree	Dicot
8	<i>Acanthospermum hispidum</i> , DC	Asteraceae	Bristly starbur	Herb	Dicot
9	<i>Achyranthes aspera</i> Linn	Amaranthaceae	Chirchitti	Shrub	Dicot
10	<i>Acorus calamus</i> L Bach	Araceae	Bach	Herb	Dicot
11	<i>Adhatoda vasica</i> (Linn) Nees	Acanthaceae	Adusa	Shrub	Dicot
12	<i>Adina cardifolia</i> Benth & Hook f	Rubiaceae	Kalmi	Tree	Dicot
13	<i>Aegle marmelos</i> (L) Correa	Rutaceae	Bel	Tree	Dicot
14	<i>Aeschynomene indica</i> (L)	Fabaceae	Langauni	Herb	Dicot
15	<i>Agave maxicana</i> Linn	Agavaceae	Morba	Shrub	Monocot
16	<i>Ageratum conyzoides</i> Linn	Asteraceae	Goatweed	Herb	Dicot
17	<i>Ailanthus excelsa</i> Roxb	Simaroubaceae	M'ahaneem	Tree	Dicot

18	<i>Alangium salvifolium</i> (Linn) f	Alangiaceae	Ankol	Shrub	Dicot
19	<i>Albizia labbek</i> Benth	Mimosaceae	Kalasisris	Tree	Dicot
20	<i>Alstonia scholaris</i> R. Br	Apocynaceae	Chhatwar	Tree	Dicot
21	<i>Alloteropsis cimicina</i> Linn	Poaceae	Ghass	Herb	Monocot
22	<i>Aloe vera</i> Linn Burm f	Liliaceae	Ghritkumari	Herb	Monocot
23	<i>Alysicarpus vaginalis</i> DC	Fabaceae	Latkana	Herb	Dicot
24	<i>Amaranthus spinus</i> Linn	Amaranthaceae	Khatta bhaji	Herb	Dicot
25	<i>Amaranthus viridis</i> Linn	Amaranthaceae	Bhaji	Herb	Dicot
26	<i>Amorphophallus paeonifolius</i> dennst	Araceae	Elephant foot yam	Herb	Monocot
27	<i>Anacyclus pyrethrum</i> DC	Asteraceae	Akarkara	herb	Dicot
28	<i>Andrographis edoides</i> nees	Acanthaceae	Kalabhuneem	Herb	Dicot
29	<i>Andrographis paniculata</i> Wallex Nees.	Acanthaceae	Bhuneem	Herb	Dicot
30	<i>Azadirachta indica</i> A. Juss.	Meliaceae	Neem	Tree	Dicot
31	<i>Anisomeles indica</i> (Linn) Kuntze	Lamiaceae	Vantula	Herb	Dicot
32	<i>Anthocaphalus cadamba</i> Mig	Rubiaceae	Kadamb	Tree	Dicot
33	<i>Annona squamosa</i> Linn	Annonaceae	Anar	Tree	Dicot
34	<i>Anogeissus latifolia</i> wall Ex Bedd	Combretaceae	Dhainara	Tree	Dicot
35	<i>Argemone maxicana</i> Linn	Papaveraceae	Pilikanteli	Shrub	Dicot
36	<i>Aristida depressa</i> Retz Hook f	Poaceae	Kantabaheri	Herb	Monocot
37	<i>Artocarpus heterophyllus</i> Lam	Moraceae	Kathal	Tree	Dicot

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38	<i>Asparagus racemosus</i> Willd	Liliaceae	Shatawar	Shrub	Monocot
39	<i>Astercanta lonhifolia</i> Linn	Acanthaceae	Kantali	Herb	Dicot
40	<i>Atylisia seabraeoides</i> Benth	Fabaceae	Van kulthi	Herb	Dicot
41	<i>Barleria cristata</i> Linn	Acanthaceae	Vanmalti	Herb	Dicot
42	<i>Barleria prionitis</i> Linn	Acanthaceae	Kantaphool	Herb	Dicot
43	<i>Bauhinia retusa</i> Linn	Caesalpinaceae	Indianmadda	Herb	Dicot
44	<i>Bauhinia vahillii</i> Wight & Arn	Caesalpinaceae	Mahul	Shrub	Dicot
45	<i>Bauhinia variegata</i> Linn	Caesalpinaceae	Kachnas	Tree	Dicot
46	<i>Blepharispermum subsessile</i> Linn DC	Asteraceae	Khare	Herb	Dicot
47	<i>Biophytum sensitivum</i> (Linn) DC edgaw & Hook f	Oxalidaceae	Laxmana	Herb	Dicot
48	<i>Boerhavia diffusa</i> Linn	Nyctaginaceae	Punarva	Herb	Dicot
49	<i>Baswellia serrata</i> Roxb	Burseraceae	Salai	Tree	Dicot
50	<i>Bridelia squamosa</i> Gerhm	Euphorbiaceae	Kasihi	Tree	Dicot
51	<i>Buchanania lanzan</i> Spreng	Anacardiaceae	Char	Tree	Dicot
52	<i>Burhinia purpurea</i> Linn	Caesalpinaceae	Koinarsaag	Herb	Dicot
53	<i>Butea monosperma</i> (Lam) Kurtze	Fabaceae	Palas	Tree	Dicot
54	<i>Butea superba</i> Roxb	Fabaceae	Palasbel	Shrub	Dicot
55	<i>Caesalpinia bondu</i> (L) Roxb	Caesalpinaceae	Dhanbaher	Shrub	Dicot
56	<i>Careya arborea</i> Roxb	Lecythidaceae	Kumhi	Tree	Dicot
57	<i>Carica papaya</i> Linn	Caricaceae	Papita	Tree	Dicot

58	Cassia fistula Linn	Caesalpinaceae	'Amaltas'	Tree	Dicot
59	Cassia tora linn	Caesalpinaceae	Charota	Herb	Dicot
60	Cassia decidentalis Linn	Caesalpinaceae	Barachakodr	Shrub	Dicot
61	Catharanthus roseus Linn	Apocynaceae	Sadabahaar	Shrub	Dicot
62	Cayratia carnosa (wall) Gagnep	Vitaceae	Ramchana	Herb	Dicot
63	Centella asiatica (Linn) urban	Umbelliferae	Brahmi	Herb	Dicot
64	Calastaus pani calatus Willd	Celastaceae	Malkangni	Shrub	Dicot
65	Cenchrus setigerus Vaw	Poaceae	Ghass	Herb	Monocot
66	Chenopodium album Linn	Chenopodiaceae	Bathua	Herb	Dicot
67	Chenopodium murale Linn	Chenopodiaceae	Badabathia	Herb	Dicot
68	Chloris dolichostachya SW.	Poaceae	Spear grass	Herb	Monocot
69	Chlorophytum tuberosum Linn	Liliaceae	Khonjhiani	Herb	Monocot
70	Chloroxylon sweetenia DC	Rutaceae	Bhirra	Herb	Dicot
71	Cissampelos pariera Linn	Menispermaceae	Patha	Herb	Dicot
72	Cissus rependa Vahl	Vitaceae	Panibel	Shrub	Dicot
73	Citrullus colocynthus Linn Schrad	Brassicaceae	Indayan	Herb	Dicot
74	Citrus aurantri bolia (Christm)	Swingle	Rutaceae	Van Nimb Tree	Dicot
75	Cleome viswsa Linn	Capparidaceae	Hurhur	Herb	Dicot
76	Cleistanthus collinus Croxb Benth & Hook F	Euphorbiaceae	Karra	Tree	Dicot
77	Clitoria ternatia Linn	Asteraceae	Aparayita	Herb	Dicot
78	Cymbretum decandrum Roxb	Cymbretaceae	Paibel	Shrub	Dicot

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79	<i>Costus spicatus</i> (Koenig) SM	Zingiberaceae	Keokand	Herb	Monocot
80	<i>Curculigo orchioides</i> Gaertn	Amoryllaceae	Kalimusli east indian	Herb	Monocot
81	<i>Curcuma augustifolia</i> Roxb	Zingiberaceae	Haldi	Herb	Monocot
82	<i>Curcuma aromatica</i> Salisb	Zingiberaceae	Wild tumeric	Herb	Monocot
83	<i>Cuscuta reblexa</i> Roxb	Cuscutaceae	Amabel	Shub	Dicot
84	<i>Crotalaria burhia</i> Buch Ham	Fabaceae	Jungalisan	Herb	Dicot
85	<i>Crotalaria retusa</i> Linn	Fabaceae	Ghun ghunian	Herb	Dicot
86	<i>Cyperus hulbosus</i> Vahl	Cyperaceae	Ghass	Herb	Monocot
87	<i>Cyperus compressus</i> Linn	Cyperaceae	Ghass	Herb	Monocot
88	<i>Cyperus iria</i> Linn	Cyperaceae	Tarojugrass	Herb	Monocot
89	<i>Cyanotis coxillaris</i> Roem & Schult F	Commelinaceae	Baghanulla	Herb	Dicot
90	<i>Cyperus pilosus</i> Vahl	Cyperaceae	Ghass	Herb	Monocot
91	<i>Cyperus rotundus</i> Linn	Cyperaceae	Motha	Herb	Monocot
92	<i>Cyperus triceps</i> (Roxb) Endl	Cyperaceae	Nirbisi	Herb	Monocot
93	<i>Cynodon dactylon</i> Pers	Doobghass	Poaceae	Herb	Monocot
94	<i>Cyrtolipsis buechanani</i> Roem Schult	Asclepiadaceae	Shub	Badidubhi	Dicot
95	<i>Dalbergia paniculata</i> Roxb	Fabaceae	Dhobin	Tree	Dicot
96	<i>Dalbergia sissoo</i> Roxb Exdc	Fabaceae	Shisham	Tree	Dicot
97	<i>Dendrocalamus strictus</i> Nees	Poaceae	Bans	Shub	Monocot
98	<i>Desmodium gangeticum</i> DC	Fabaceae	Sarivan	Herb	Dicot
99	<i>Desmodium triflorum</i> DC	Fabaceae	Kudaliya	Herb	Dicot

100	<i>Dhatura alba</i> Linn	Solanaceae	Dhatura	Shrub	Dicot
101	<i>Dillenia pentagyana</i> Roxb	Dilleniaceae	Kurru	Tree	Dicot
102	<i>Diospyros melanoxyton</i> roxb	Ebenaceae	Tendu	Tree	Dicot
103	<i>Dioscoria pentaphylla</i> Linn	Dioscoreaceae	Barahikaund-	Herb	Dicot
104	<i>Dioscoria alata</i> Linn	Dioscoriaceae	Gneater yam	Herb	Monocot
105	<i>Eclipta alba</i> (Linn) Hassk	Asteraceae	Bhringraj	Herb	Dicot
106	<i>Elephantopus eskaber</i> (Linn)	Acanthaceae	Dasmuri	Herb	Dicot
107	<i>Elytraria acualis</i> lindan	Acanthaceae	Karadha	Herb	Dicot
108	<i>Emblica officinalis</i> Gaerth	Eupherbiaceae	Amla	Tree	Dicot
109	<i>Eragrestis diarrhena</i> schult Sterd	Poaceae	Grass	Herb	Monocot
110	<i>Eragrostis ciliaris</i> Linn	Poaceae	Grass	Herb	Monocot
111	<i>Eragrostis spicata</i> Varcy	Poaceae	Ghass	Herb	Monocot
112	<i>Eramopogon feneolatus</i> Hapt	Poaceae	Baldia	Shrub	Monocot
113	<i>Euphorbia draculoides</i> Lam	Ephorbiaceae	Banburi	Herb	Dicot
114	<i>Euphorbia hirta</i> Linn	Euphorbiaceae	Dudhi	Herb	Dicot
115	<i>Euphorbia thymifolia</i> Linn	Ephorbiaceae	Choti dudhi	Herb	Dicot
116	<i>Euphorbia nerrifolia</i> Linn	Euphorbiaceae	Sehund	Shrub	Dicot
117	<i>Euphorbia triucullii</i> Linn	Euphorbiaceae	Badi dhudhi	Shrub	Dicot
118	<i>Evglvulus alsinoides</i> Linn	Convolvulaceae	Shankha pushpi	Herb	Dicot
119	<i>Ficus benghalensis</i> Linn	Moraceae	Banyan	Tree	Dicot
120	<i>Ficus glomerata</i> Roxb	Moraceae	Gular	Tree	Dicot

121	<i>Ficus heterophylla</i> Linn F	Moraceae	Bhuidumar	Tree	Dicot
122	<i>Ficus racemosa</i> Linn	Moraceae	Dumbahar	Tree	Dicot
123	<i>Ficus religiosa</i> Linn	Moraceae	Peepal	tree	Dicot
124	<i>Fimbristylis monostachya</i> cl Hassk	Cyperaceae	Muth	Herb	Monocot
125	<i>Flacourtia romantchi</i> . L. Herit	Flacourtiaceae	Kekad	Tree	Dicot
126	<i>Gardenia turgida</i> Roxb.	Rubiaceae	Thanella	Tree	Dicot
127	<i>Gloriosa superba</i> Linn.	Lilliaceae	Jhagdin	Shrub	Monocot
128	<i>Glycyrrhiza glabra</i> Linn.	Papilionatae	Mulethi	Herb	Dicot
129	<i>Gmelina arborea</i> Roxb.	Verbenaceae	Gamhar	Tree	Dicot
130	<i>Grevia hirsuta</i> , Vahl.	Tiliaceae	Gudsaakari	Herb	Dicot
131	<i>Haldina cordifolia</i> . [Roxb.] R idsd.	Rubiaceae	Karam	Tree	Dicot
132	<i>Heleclerisora</i> . Linn.	Sterculiaceae	Marorphali	Shrub	Dicot
133	<i>Hemidesmus indicus</i> . [L.] R. Br.	Periplocaceae	Anantamul	Herb	Dicot
134	<i>Heteropogon centortus</i> (L) P. Beauv	Poaceae	Shukla kanta	Herb	Monocot
135	<i>Hibiscus rosa sincensis</i> Linn	Malvaceae	Chinarose	Shrub	Dicot
136	<i>Holorrhena antidysenterica</i> Linn wall	Apocynaceae	Korea	Tree	Dicot
137	<i>Hyptis suaveolens</i> (L) Poir	Lamiaceae	Ban tushi	Herb	Dicot
138	<i>Ixora parviflora</i> Linn	Rubiaceae	Ladu bahoria	Tree	Dicot
139	<i>Jasminum grandiflorum</i> Linn	Oleaceae	Chameli	Shrub	Dicot
140	<i>Jatropha gossypifolia</i> Linn	Euphorbiaceae	Bearand	Shrub	Dicot
141	<i>Justicia gendurosa</i> Burm f	Acanthaceae	Udisanbhala	Herb	Dicot
142	<i>Justicia procumbens</i> Linn	Acanthaceae	Pit papada	Herb	Dicot
143	<i>Lagerstromia parviflora</i> Roxb	Lathy raceae	Sidha	Shrub	Dicot
144	<i>Lansea grandis</i> Dennst Engler	Anacardiaceae	Modga	Shrub	Dicot
145	<i>Lantana camara</i> auct non linn	Verbenaceae	Putus	Shrub	Dicot

146	<i>Lawsonia alba</i> Linn	Lytheraceae	Mehandi	Shrub	Dicot
147	<i>Leucas aspera</i> Linn	Lamiaceae	Gumasag	Shrub	Dicot
148	<i>Litsea glutinosa</i> (Lour) Robins	Lauraceae	Jaisanda	Tree	Dicot
149	<i>Ludwigia perennis</i> Linn	Onagraceae	Jaldhawai	Herb	Dicot
150	<i>Lygodium flexuosum</i> (Linn) sw	Schizaceae	Indrajal	Herb	Dicot
151	<i>Madhuca indica</i> Gmel	Sapotaceae	Mahua	Herb	Dicot
152	<i>Malva parviflora</i> Linn	Malvaceae	Panirak	Herb	Dicot
153	<i>Malvastrum coromendelianum</i> L. Gercke	Malvaceae	Broom weed	Herb	Dicot
154	<i>Mangifera indica</i> L.	Anacardiaceae	Aam	Tree	Dicot
155	<i>Melia azadirachta</i> Linn	Meliaceae	Mahaneem	Tree	Dicot
156	<i>Melochia corchorifolia</i> Linn	Sterculiaceae	Gobi	Herb	Dicot
157	<i>Mentha viridis</i> Linn	Lamiaceae	Pudina	Herb	Dicot
158	<i>Merremia emarginata</i> (Burom)	Convolvulaceae	Musakni	Herb	Dicot
159	<i>Microtyloma uniflorum</i> Lamk	Fabaceae	Kulthi	Herb	Dicot
160	<i>Millettia tomentosa</i> (Roxb) J. Sinciar	Annonaceae	Kari	Tree	Dicot
161	<i>Mimosa pudica</i> Linn	Mimosaceae	Luchkuri	Herb	Dicot
162	<i>Mitragyna parviflora</i> (Roxb) Korth	Rubiaceae	Mundi	Tree	Dicot
163	<i>Moringa oleifera</i> Lam	Moringaceae	Munga	Tree	Dicot
164	<i>Mormodica dioica</i> Roxb ex Willd	Cucurbitaceae	Korkol	Shrub	Dicot
165	<i>Mucuna pruriens</i> (L) DC	Fabaceae	Baidhanka	Twiner/ Shrub	Dicot
166	<i>Murraya koenigii</i> (L) Hooker	Rutaceae	Mithaneem	Shrub	Dicot
167	<i>Nyctanthes arborescens</i> L.	Qleaceae	Khar-ghasa	Tree	Dicot
168	<i>Oxalis imbricata</i> (Roxb)		Khisora	Herb	Dicot
169	<i>Qidenlandia corymbosa</i> Linn	Rubiaceae	Pitpapara	Herb	Dicot
170	<i>Quercus reticulata</i> Linn	Ophioglossaceae	Snake tongue	Herb	Dicot
171	<i>Quercus basilicum</i> Linn	Lamiaceae	Tulsi	Herb	Dicot
172	<i>Quercus sanctum</i> Linn	Lamiaceae	Tulsi	Herb	Dicot

173	<i>Oxalis</i> Linn				
174	<i>Peltandra ferruginea</i>				
175	<i>Persea bicolor</i>				
176	<i>Phyllanthus fruticosus</i>				
177	<i>Phaseolus rostratus</i>				
178	<i>Phyllanthus hirsutus</i>				
179	<i>Plumbago zeylanica</i>				
180	<i>Pluchea odorata</i>				
181	<i>Pongamia pinnata</i>				
182	<i>Polyalthia avicennia</i>				
183	<i>Psidium guajava</i>				
184	<i>Psoralea corymbosa</i>				
185	<i>Pteris marsipora</i>				
186	<i>Pueraria lobata</i>				
187	<i>Punica granatum</i>				
188	<i>Randia tinctoria</i>				
189	<i>Rauvolfia serpentina</i>				
190	<i>Ricinus communis</i>				
191	<i>Rubia tinctoria</i>				
192	<i>Ruellia tinctoria</i> Linn				
193	<i>Rungia pectinata</i>				
194	<i>Rungia rapens</i>				
195	<i>Rumex dentatus</i>				
196	<i>Salmalia malabarica</i>				
197	<i>Saraca [Roxb]</i>				
198	<i>Scheuchzeria [Lour]</i>				
199	<i>Scopula duleis</i>				

173	<i>Oxalis corniculata</i> Linn	Oxalidaceae	Chukatripati	Herb	Dicot
174	<i>Peltoforum ferrugicum</i> Benth	Caesalpiniaceae	Copperpod	Herb	Dicot
175	<i>Peristrophe bicalyculata</i> Nees	Acanthaceae	Atrila	Herb	Dicot
176	<i>Phyllanthus fraternus</i> Webster	Euphorbiaceae	Jharainla	Shrub	Dicot
177	<i>Phaenix acualis</i> Roxb.	Palmaceae	Jangali Khajur	Shrub	Dicot
178	<i>Phyllanthus niruri</i> Hookf	Euphorbiaceae	Bhulamla	Herb	Dicot
179	<i>Plumbago zeylanica</i> Linn	Plumbaginaceae	Chitwar	Shrub	Dicot
180	<i>Pluchea lanceolata</i> DC Oliv	Asteraceae	Rashna	Shrub	Dicot
181	<i>Pongamia pinnata</i>	Fabaceae	Karanj	Tree	Dicot
182	<i>Polygonum avicularae</i> Linn	Polygonaceae	Macheti	Herb	Dicot
183	<i>Psidium guajava</i>	Myrtaceae	Amrood	Tree	Dicot
184	<i>Psorelea coriylifolia</i> Linn	Fabaceae	Bakuchi	Herb	Dicot
185	<i>Pterocarpus marsupium</i> Roxb	Fabaceae	Bija	Tree	Dicot
186	<i>Puereria tuberosa</i>	Fabaceae	Bidari kand	Shrub	Dicot
187	<i>Punica granatum</i>	Punicaceae	Ana Tree	Dicot	
188	<i>Randia</i>	Rubiaceae	Main phal	Tree	Dicot
189	<i>Raulffia serpentina</i> [L] Benth ex Kurz	Apocynaceae	Patalgaryed	Under shrub	Dicot
190	<i>Ricinus communis</i> Linn	Euphorbiaceae	Arand	Shrub	Dicot
191	<i>Rubia cordifolia</i>	Rubiaceae	Manjita	Herb	Dicot
192	<i>Ruellia tuberosa</i> Linn	Acanthaceae	Jurbula	Herb	Dicot
193	<i>Rungia pectinata</i> [L] Nees	Acanthaceae	Comblike Herb	Herb	Dicot
194	<i>Rungia rapens</i> Nees	Acanthaceae	Kharmar	Herb	Dicot
195	<i>Rumex dentatus</i> Linn	Polygonaceae	Toothed dock	Herb	Dicot
196	<i>Salmalia malabarica</i> [DC]	Bombacaceae	Semal	Tree	Dicot
197	<i>Saraca indica</i> [Roxb.] Dewlld	Fabaceae	Ashok	Tree	Dicot
198	<i>Scheichera oleasa</i> [Lour]oken	Sapindaceae	Lactree	Tree	Dicot
199	<i>Scoparia duleis</i> Linn	Scrophulariaceae	Ghoda	Herb	Dicot

200	<i>Setaria gleuca</i> Beauv	Poaceae	Capecthia	Herb	Monocot
201	<i>Semicarpus anacardium</i> Lf	Anacardeaceae	Bhelua	Tree	Dicot
202	<i>Sesbania grandiflora</i> (L) poir	Fabaceae	Agasty a	Tree	Dicot
203	<i>Shorea robusta</i> Gaertn f	Malvaceae	Bajramuli	Herb	Dicot
204	<i>Sida cordifolia</i> Linn	Malvaceae	Bala	Herb	Dicot
205	<i>Sida rhombifolia</i> Linn	Malvaceae	Lalbarela	Herb	Dicot
206	<i>Smilax zeylanica</i> Linn	Liliaceae	Ramdatoon	Shurb	Dicot
207	<i>Streblus asper</i> Lour	Moraceae	Sahra	Tree	Dicot
208	<i>Soyimida febrifuga</i> (Roxb) a juss	Meliaceae	Rohini	Tree	Dicot
209	<i>Sterculia urens</i> Roxb	Sterculiaceae	Genduld	Tree	Dicot
210	<i>Stereospermum suaveolens</i> DC	Bignoniaceae	Patla	Tree	Dicot
211	<i>Symplocos racemosa</i> Roxb	Symplocaceae	Lodha	Tree	Dicot
212	<i>Syzyium cumini</i> (Linn) Skeels	Myrtaceae	Jamun	Tree	Dicot
213	<i>Spilanthes olciraeca</i> Linn	Asteraceae	Akarkara	Herb	Dicot
214	<i>Sphiranthus indicus</i> Linn	Asteraceae	Mundi	Herb	Dicot
215	<i>Tamarindus indica</i> Linn	Caesalpiniaceae	Tamarind	Tree	Dicot
216	<i>Tectona grandis</i> Lf	Verbenaceae	Sagaun	Tree	Dicot
217	<i>Tephrosea pururea</i> (L) Pers	Fabaceae	Kulothia	Under shrub	Dicot
218	<i>Thevetia peruviana</i> (Pess) schum	Apocynaceae	Kaner		Dicot
219	<i>Thysanolaena maxima</i> Roxb	Poaceae	Phool baheri	Herb	Monocot
220	<i>Trigonella foehum</i> Graecum Linn	Fabaceae	Methi	Herb	Dicot
221	<i>Tridax procumbens</i> Linn	Asteraceae	Poksungha	Herb	Dicot
222	<i>Terminalia arjuna</i> (Roxb ex DC) Wight & Arn	Combretaceae	Khagachh	Tree	Dicot
223	<i>Terminalia bellirica</i> (Gaertn) roxb	Combretaceae	Baheda	Tree	Dicot
224	<i>Terminalia chebula</i> Retz	Combretaceae	Harda	Tree	Dicot
225	<i>Terminalia tomentosa</i> Wight & Arn	Combretaceae	Saja	Tree	Dicot
226	<i>Tinospora corylifolia</i> (Willd) Hook f & Thoms	Menispermaceae	Giloy	Tree	Dicot
227	<i>Urena lobata</i> Linn	Malvaceae	Pithia	Herb	Dicot

228	V
229	V
230	V
231	V
232	V
233	V
234	W
235	W
236	W
237	X
238	Y
239	Z
240	Z
241	Z
242	Z
243	Z

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228	<i>Ventilago dentata</i> Willd	Rhamnaceae	Kewati	Shrub	Dicot
229	<i>Vernonia cinerea</i> Less	Asteraceae	Sahdevi	Herb	Dicot
230	<i>Vetiveria zizanioides</i> (L) Nash	Poaceae	Khas khas	Grass	Monocot
231	<i>Vicia vestita</i> Benth ex Hook f	Asteraceae	Pilarasna	Herb	Dicot
232	<i>Vitex negundo</i> L.	Verbenaceae	Begonia	Tree	Dicot
233	<i>Vitis quadrangularis</i> Linn	Vitaceae	Hadjod	Herb	Dicot
234	<i>Wendlandia exerta</i> DC	Solanaceae	K'helpapara	Herb	Dicot
235	<i>Withania somnifera</i> (Linn) Dunal	Solanaceae	Ashwagandha	Herb	Dicot
236	<i>Woodfordia fruticosa</i> Kutz	Lythraceae	D'hawai	Shrub	Dicot
237	<i>Xanthium strumarium</i> Linn	Asteraceae	Chotaghokhru	Herb	Dicot
238	<i>Youngia japonica</i> (Linn) DC	Asteraceae	Goats head	Herb	Dicot
239	<i>Ziziphus jujube</i> Lamk	Rhamnaceae	Ber	Tree	Dicot
240	<i>Ziziphus numularia</i> (Burm f)	Rhamnaceae	Banber	Shrub	Dicot
241	<i>Ziziphus oenoplia</i> (L) Mill	Rhamnaceae	Boir	Tree	Dicot
242	<i>Ziziphus xylopyra</i> Willd	Rhamnaceae	Ghont	Tree	Dicot
243	<i>Zornia gibbosa</i> Spanoghe	Fabaceae	Samarpani	Herb	Dicot

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