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Inventory List of Plant Diversity in Tropical Dry Deciduous Forest of Pench Tiger Reserve, Maharashtra, India

Kolagani Chandramohan [a], Prabhu Nath Shukla [b], Ch Bhargavi [c], Sourav Singh [c] and D. Ravivarma [c*]

[a] Forest Survey of India, Central Zone, Seminary Hills, Nagpur, Maharashtra- 440006, India.
[b] Office of Pench Tiger Reserve, Van Bhavan, Nagpur, Maharashtra, 440001, India.
[c] Sher-e-Kashmir University of Agricultural Sciences and Technology of Jammu, Jammu and Kashmir-180009, India.

Authors' contributions

This work was carried out in collaboration among all authors. All authors read and approved the final manuscript.

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ABSTRACT

Aim: To assess the phyto diversity of pench tiger reserve, Maharashtra, India.
Place and Duration of Study: Pench Tiger Reserve (PTR), June 2022 to December 2023.
Methodology: The study was carried out by laying out quadratic sample plots in the PTR given by National Forest Inventory working plan code-2014 The plot size was 0.1 ha with 31.62 m x 31.62 m quadrats.

**Corresponding author: E-mail: fcriravivarma31@gmail.com;*

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Results: The study reveals a rich biodiversity comprising 863 species across 554 genera and 117 families, along with 8 varieties and 2 sub-species. The predominant taxa are herbs, accounting for 34.06% of species, followed by trees at 23.29%, climbers at 15.17%, grasses at 13.09%, sedges at 7.3%, epiphytic herbs at 0.8%, and bamboo at 0.2%. Fabaceae emerges as the most species-rich family in comparable studies, underscoring its ecological significance.
Conclusion: The study emphasizes the importance of comprehensive biodiversity inventories for understanding and conserving tropical forest ecosystems. This research provides valuable baseline data essential for future ecological studies, environmental assessments, and effective.

Keywords: Biodiversity; Central India; dry deciduous and pench tiger reserve.

1. INTRODUCTION

Tropical forests are considered the world's most biodiversity-rich ecosystems, vital for supporting the livelihoods of many, particularly in developing countries. Despite their significant roles in poverty alleviation, food security, and climate change resilience, these forests are often inadequately integrated into national development strategies (Nkem et al. 2007). Drivers of Biodiversity Loss A complex interplay of factors contributes to biodiversity loss in tropical forests. These include demographic changes, poverty, policy responses, ecological disturbances, anthropogenic disturbances, and climate change (Geist and Lambin 2002, Kolb and Diekmann 2004, Stork 2010). “In dry forest zones, specific threats such as wildfires, shifting cultivation, logging, and firewood extraction significantly increase the vulnerability of forest species through micro-environmental alterations affecting understory composition” (Chen et al. 1992). “The main drivers of biodiversity loss include deforestation, fragmentation, over-exploitation, invasive species, and climate change” (Gardner eta l. 2009, Morris) with varying impacts across different tropical forest regions (Corlett and Primack 2008). Implications of Forest Degradation The ongoing destruction of tropical forests is expected to lead to an extinction crisis among forest species (Bradshaw et al. 2009). In India, native forests are reportedly declining at a rate of 3.5%, despite reforestation efforts that have increased total forest cover. This loss occurs when our understanding of forest structure and dynamics remains insufficient, which is crucial for sustainable management and conservation (Barthlott et al. 2007, Huang et al. 2003). Approaches to Restoring Biodiversity Restoring biodiversity in degraded landscapes is essential for the sustainability of native forests and ecosystem functionality. One method is allowing floristic recovery through natural succession, although this process can be hindered by factors such as high land use intensity (Guariguata and Ostertag 2001) and limited seed availability for many tropical species (Wijdeven and Kuzee 2000) as well as competition for resources (Holl et al. 2000). Human intervention offers an alternative strategy for long-term biodiversity protection (Blakesley et al. 2000, Lamb et al. 2005). Importance of Biodiversity Inventories Intervention data are typically gathered through biodiversity inventories that assess the nature and distribution of biotic resources in the target area (Rennolls and Laumonier 2000). Plant checklists are essential for developing hypotheses related to large-scale ecological studies, biogeography, and environmental assessments (Hortal et al. 2015). “Flawed checklists can lead to misleading conclusions about biodiversity. Therefore, it is essential to gather reliable data on species composition, their vulnerabilities, and how they respond to climatic changes across various ecosystems. This information is critical for developing effective conservation strategies aimed at mitigating the degradation of natural resources. By ensuring accurate assessments, we can better understand the impacts of climate change on biodiversity and implement measures that protect and sustain our ecosystems. This study aims to address this need by generating baseline data on the native flora of the tropical forest ecosystem in central India”.

2. MATERIALS AND METHODOLOGY

2.1 Study Area

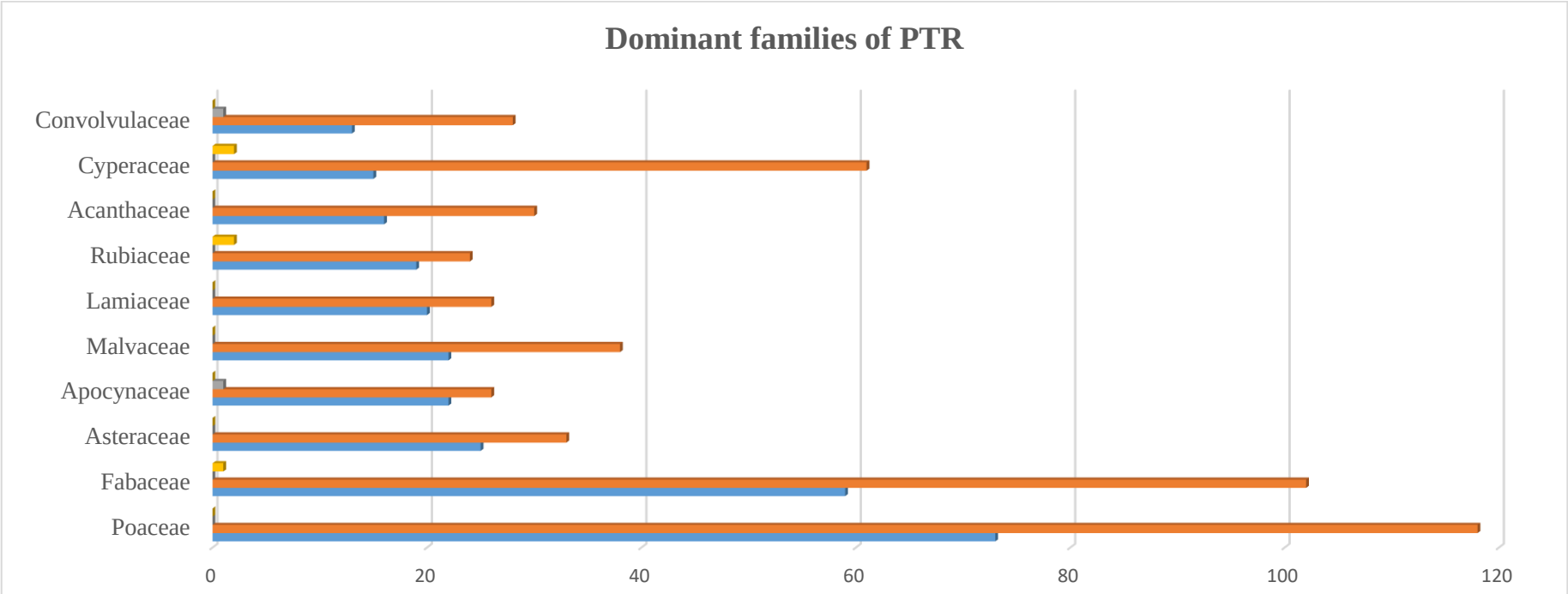
The present study was carried out in the Pench Tiger Reserve, Maharashtra which is named after the Pench River, which is running through the Satpura'slowlying southern hill ranges from North to South. Geographically, the Pench Tiger Reserve is located between 79003’46” to 79021’20” East to 21011’58” to 21043’16” North covers a total area of 741.22 km^2, including its core area (257.26 km^2) and buffer area (483.96 km^2) (Panda et al. 2013).

2.2 Methodology

The National Working Plan Code-2014 provides guidelines for the design and layout of these sample plots. This code specifies the use of square sample plots, which are essential for collecting data on forest carbon stocks.Upon arriving at the designated sampling plot location, a square plot measuring 0.1 hectares (31.62 m × 31.62 m) should be established. This involves measuring a horizontal distance of 22.36 meters half of the diagonal outward in all four directions: at 45° (northeast), 135° (southeast), 225° (southwest), and 315° (northwest) from true north. It is crucial to ensure the proper dimensions are maintained during this layout process. Additionally, subplots measuring 3 m × 3 m and 1 m × 1 m should be established 30 meters from the center of the main 0.1 ha plot in all directions. These subplots are designated for sampling shrubs, climbers, regeneration, and herbs/grasses, respectively. Furthermore, quadrats of sizes 1 m × 1 m, 3 m × 3 m, and 5 m × 5 m will be laid out in the northeast (NE) and southwest (SW) directions (NWPC 2014).

3. RESULTS AND DISCUSSION

The inventory assembled here revealed that Pench Tiger Reserve harbors 863 species belonging to 554 genera and117 families, along with 8 varieties and 2 sub-species (Table 1). The major taxa assembled include Herbs with 294 species (34.06%), followed by Trees with 201 species (23.29%) of which Natural Trees account for 157 species (18.19%) and Avenue Trees for 44 species (5.09%). Other taxa include Climbers with 131 species (15.17%), Grasses with 113 species (13.09%), Sedges with 63 species (7.3%), Epiphytic Herbs with 7 species (0.8%), and Bamboo with 2 species (0.2%). Similar results were reported by Pratap Chandra Panda in his study on plant diversity in tropical deciduous forests of the Eastern Ghats, India, which revealed a total of 882 species belonging to 532 genera and 129 families. This study recorded 263 tree species,78 species of shrubs,138 species of climbers/twinners, and 403 species of herbs. The results of the study compare well with other large-scale inventories conducted in tropical forests both in India and elsewhere. For instance,63 species were recorded for a 50 ha plot at Mudumalai ForestF Reserve, India, while 996 species were found in a 52 ha area at Lambir, Malaysia (Condit et al. 2000). A floristic inventory in Sri Lankamalleswara Wildlife Sanctuary, Andhra Pradesh resulted in 520 plant species with 133 tree species (17), and 60 ha of Nayagarh forests in the Northern Eastern Ghats yielded 177 tree species (Mastan and Reddy 2003). In the southern Eastern Ghats of Tamil Nadu,272 tree species were recorded (21), and 71 tree species were identified in the dry deciduous forests of Mudumalai Wildlife Sanctuary (Sukumar et al. 1992). Similarly, in Nallamalais, a large-scale floristic assessment in 88 ha resulted in 729 herb species and 249 tree species (Basha 2009) while the Sheshachalam hill ranges featured 222 tree species (Babu and Rao 2010). These results indicate a higher level of tree species in tropical dry forests, as the assessments have covered different vegetation ranges from moist to dry forests along varied altitudes and disturbance levels. The dominant family in the reserve is Poaceae, with 118 species and 73 genera, followed by Fabaceae with 102 species and 59 genera,Cyperaceae with 61 species and 15 genera, Malvaceae with 38 species and 22 genera, Asteraceae with 33 species and 25 genera, Acanthaceae with 30 species and 16 genera, Convolvulaceae with 28 species and 13 genera, Apocynaceae with 26 species and 22 genera, Lamiaceae with 26 species and 20 genera, and Rubiaceae with 24 species and 19 genera. Among these families, five recorded varieties, with Rubiaceae and Cyperaceae each having 2 varieties, while Fabaceae, Apocynaceae, and Convolvulaceae each recorded1 variety. Additionally, Apocynaceae and Convolvulaceae recorded 1 sub-species in each family. A similar study conducted by Mastan and Reddy, recorded 87 families, with Fabaceae emerging as the species-rich family, comprising 61 species (13%), which include 37 herbs,14 vines,6 trees, and4 lianas. The Fabaceae family also includes the largest genus, Crotalaria, comprising 9 species, followed by Indigofera with 8 species, and both Rhynchosia and Desmodium endowed with 7 species each. Euphorbiaceae ranked as the second most dominant family with 42 species, followed by Acanthaceae with 37 species (Mastan and Reddy 2023).



	Poaceae	Fabaceae	Asteraceae	Apocynaceae	Malvaceae	Lamiaceae	Rubiaceae	Acanthaceae	Cyperaceae	Convolvulaceae
Variety	0	1	0	0	0	0	2	0	2	0
Subspecies	0	0	0	1	0	0	0	0	0	1
Species	118	102	33	26	38	26	24	30	61	28
Genera	73	59	25	22	22	20	19	16	15	13

Fig. 1. Dominant families of Pench Tiger Reserve, Maharashtra, India

Table 1. Floristic diversity of Pench Tiger Reserve, Maharashtra, India

S.no	Scientific name	Family	Habit
1	*Abelmoschus crinitus Wall.*	Malvaceae	Herb
2	*Abelmoschus esculentus* (L.) Moench	Malvaceae	Herb
3	*Abelmoschus ficulneus* (L.) Wight &Arn.	Malvaceae	Herb
4	*Abildgaardia ovata* (Burm.f.) Kral	Cyperaceae	Sedge
5	*Abrus precatorius* L.	Fabaceae	Climber
6	*Abutilon hirtum* (Lam.) Sweet	Malvaceae	Shrub
7	*Abutilon indicum* (L.) Sweet	Malvaceae	Shrub
8	*Acacia auriculiformis* Benth.	Fabaceae	Avenue Tree
9	*Acalypha ciliata* Forssk	Euphorbiaceae	Herb
10	*Acalypha indica* L.	Euphorbiaceae	Herb
11	*Acampepraemorsa* var. *longepedunculata* (Trimen) Govaerts	Orchidaceae	Epiphytic Herb
12	*Acanthospermumhispidum* DC	Asteraceae	Herb
13	*Achyranthes aspera* L.	Amaranthaceae	Herb
14	*Acorus calamus* L.	Acoraceae	Herb
15	*Adansonia digitata* L.	Malvaceae	Avenue Tree
16	*Adenosmaindiana* (Lour.) Merr	Plataginaceae	Herb
17	*Adenostemmalavenia* (L.) Kuntze	Asteraceae	Herb
18	*Adina cordifolia* (Roxb.) Brandis	Rubiaceae	Natural Tree
19	*Aeginetia indica* L.	Orobanchaceae	Herb
20	*Aegle marmelos* (L.) Corrêa	Rutaceae	Avenue Tree
21	*Aerides odorata* Lour.	Orchidaceae	Epiphytic Herb
22	Aerva lanata (L.) Juss.	Amaranthaceae	Herb
23	*Aeschynomene americana* L.	Fabaceae	Herb
24	*Aeschynomene virginica* (L.) Britton	Fabaceae	Herb
25	*Aeschynomene indica* L	Fabaceae	Herb
26	*Agave americana* L.	Asparagaceae	Herb
27	*Ageratum houstonianum* Mill.	Asteraceae	Herb
28	*Ageratum conyzoides* (L.) L.	Asteraceae	Herb
29	*Ailanthus triphysa* (Dennst.) Alston	Simaroubaceae	Natural Tree
30	*Ailanthus excelsa* Roxb.	Simaroubaceae	Natural Tree
31	*Alangium salviifolium* (L.f.) Wangerin	Cornaceae	Natural Tree
32	*Albizia lebbeck*(L.) Benth.	Fabaceae	Avenue Tree
33	*Albizia odoratissima* (L.f.) Benth.	Fabaceae	Natural Tree
34	*Albizia procera* (Roxb.) Benth	Fabaceae	Natural Tree
35	*Albizia amara* (Roxb.) B.Boivin	Fabaceae	Natural Tree
36	*Albizia saman* (Jacq.) Merr.	Fabaceae	Avenue Tree
37	*Allmania nodiflora* (L.) R.Br. ex Wight	Amaranthaceae	Herb
38	*Allophylus serratus* (Roxb.) Kurz	Sapindaceae	Natural Tree
39	*Alloteropsis cimicina* (L.) Stapf	Poaceae	Grass
40	*Aloe vera* (L.) Burm.*f*	Asphodelaceae	Herb
41	*Alternanthera philoxeroides* (Mart.) Griseb.	Amaranthaceae	Herb
42	*Alternanthera pungens* Kunth	Amaranthaceae	Herb
43	*Alternanthera sessilis* (L.) DC	Amaranthaceae	Herb
44	*Alysicarpusbupleurifolius* (L.) DC.	Fabaceae	Herb
45	*Alysicarpushamosus* Edgew.	Fabaceae	Herb
46	*Alysicarpuslongifolius* (Rottler ex Spreng.) Wight &Arn.	Fabaceae	Herb
47	*Alysicarpusmonilifer* (L.) DC.	Fabaceae	Herb
48	*Alysicarpusscariosus* (Rottler ex Spreng.) Graham	Fabaceae	Herb
49	*Alysicarpus vaginalis* (L.) DC	Fabaceae	Herb
50	*Amaranthus spinosus* L.	Amaranthaceae	Herb
51	*Ammanniabaccifera* L.	Lythraceae	Herb
52	*Ammannia multiflora* Roxb.	Lythraceae	Herb
53	*Ammanniaoctandra* L.f.	Lythraceae	Herb
54	*Amorphophallus paeoniifolius* (Dennst.) Nicolson.	Araceae	Herb
55	*Ampelocissus latifolia* (Roxb.) Planch.	Vitaceae	Climber
56	*Anacardium occidentale* L.	Anacardaceae	Avenue Tree
57	*Anamirta cocculus* (L.) Wight &Arn.	Menispermaceae	Climber
58	*Andrographis echioides* (L.) Nees.	Acanthaceae	Herb
59	*Andrographis paniculata* (Burm.f.) Nees	Acanthaceae	Herb
60	*Anisomeles indica* (L.) Kuntze	Lamiaceae	Herb
61	*Annona reticulata* L.	Annonaceae	Avenue Tree
62	*Annona squamosa* L.	Annonaceae	Natural Tree
63	*Antidesmaacidum* Retz	Phyllanthaceae	Natural Tree
64	*Antidesmaghaesembilla*Gaertn	Phyllanthaceae	Natural Tree
65	*Apluda mutica* L.	Poaceae	Grass
66	*Aponogeton natans* (L.) Engl. &K.Krause.	Aponogetonaceae	Herb
67	*Ardisia solanacea* Roxb.	Primulaceae	Shrub
68	*Argemone mexicana* L.	Papaveraceae	Herb

S.no	Scientific name	Family	Habit
69	*Argyreiacymosa* (Roxb.) Sweet.	Convolvulaceae	Climber
70	*Argyreia nervosa* (Burm. f.) Bojer	Convolvulaceae	Climber
71	*Argyreia sericea* Dalzell &A.Gibson.	Convolvulaceae	Climber
72	*Arisaema tortuosum* (Wall.) Schott	Araceae	Herb
73	*Aristida adscensionis* L.	Poaceae	Grass
74	*Aristida hystrix* L.f.	Poaceae	Grass
75	*Aristida setacea* Retz	Poaceae	Grass
76	*Aristolochiabracteolata* Lam.	Aristolochiaceae	Climber
77	*Aristolochia indica* L.	Aristolochiaceae	Climber
78	*Artabotryshexapetalus* (L.f.) Bhandari.	Annonaceae	Climber
79	*Arthraxonlancifolius* (Trin.) Hochst.	Poaceae	Grass
80	*Arthraxon hispidus* (Thunb.) Makino	Poaceae	Grass
81	*Artocarpus heterophyllus* Lam	Moraceae	Avenue Tree
82	*Arundinella pumila* (Hochst. ex A.Rich.) Steud.	Poaceae	Grass
83	*Arundinellasetosa* Trin.	Poaceae	Grass
84	*Arundinella ciliata* (Roxb.) Nees ex Miq	Poaceae	Grass
85	*Arundo donax* L.	Poaceae	Shrub
86	*Asparagus racemosus* Willd.	Asparagaceae	Climber
87	*Aspidopterys cordata* (B.Heyne ex Wall.) A.Juss.	Apocynaceae	Climber
88	*Aspidopterys indica* (Willd.) W.Theob.	Apocynaceae	Climber
89	*Aspidopterys cordata* (B.Heyne ex Wall.) A.Juss	Malpighiaceae	Climber
90	*Azadirachta indica* A.Juss.	Meliaceae	Natural Tree
91	*Azanza lampas* (Cav.) Alef.	Malvaceae	Shrub
92	*Bacopa monnieri* (L.) Wettst.	Plantaginaceae	Climber
93	*Balanites aegyptiaca* (L.) Delile	Zygophyllaceae	Natural Tree
94	*Baliospermumsolanifolium* (Burm.) Suresh	Euphorbiaceae	Herb
95	*Bambusa bambos* (L.) Voss.	Poaceae	Bamboo
96	*Barleriagibsonii* Dalzell.	Acanthaceae	Herb
97	*Barlerialongiflora* L.f.	Acanthaceae	Herb
98	*Barleriastrigosa* Willd.	Acanthaceae	Herb
99	*Barleria cristata* L.	Acanthaceae	Herb
100	*Barleria prionitis* L.	Acanthaceae	Herb
101	*Barringtonia acutangula* (L.) Gaertn.	Lecythidaceae	Natural Tree
102	*Basella alba* L.	Basellaceae	Climber
103	*Basilicumpolystachyon* (L.) Moench.	Lamiaceae	Herb
104	*Bauhinia purpurea* L.	Fabaceae	Avenue Tree
105	*Bauhinia racemosa* Lam.	Fabaceae	Natural Tree
106	*Begonia picta* Sm.	Begoniaceae	Herb
107	*Benkaramalabarica* (Lam.) Tirveng.	Rubiaceae	Natural Tree
108	*Bergiaammannioides* Roxb.	Elatinaceae	Herb
109	*Bergia capensis* L.	Elatinaceae	Herb
110	*Bidens biternata* (Lour.) Merr. &Sherff.	Asteraceae	Herb
111	*Biophytumreinwardtii* (Zucc.) Klotzsch	Oxalidaceae	Herb
112	*Biophytumsensitivum* (L.) DC.	Oxalidaceae	Herb
113	*Bixa orellana* L.	Bixaceae	Avenue Tree
114	*Blainvillea acmella* (L.) Philipson	Asteraceae	Herb
115	*Blepharis integrifolia* (L.f.) E.Mey. &Drège ex Schinz.	Acanthaceae	Climber
116	*Blepharismaderaspatensis* (L.) B.Heyne ex Roth.	Acanthaceae	Climber
117	*Blumea fistulosa* (Roxb.) Kurz	Asteraceae	Herb
118	*Blumeamembranacea* DC.	Asteraceae	Herb
119	*Blumeamollis* (D.Don) Merr.	Asteraceae	Herb
120	*Blumeaoxyodonta* DC.	Asteraceae	Herb
121	*Blumea virens* DC.	Asteraceae	Herb
122	*Blumea lacera* (Burm.f.) DC	Asteraceae	Herb
123	*Blysmus rufus* (Huds.) Link	Cyperaceae	Sedge
124	*Boerhaviacrispa* F.Heyne ex Hook.f.	Nyctaginaceae	Herb
125	*Boerhavia diffusa* L.	Nyctaginaceae	Herb
126	*Bolboschoenus maritimus* (L.) Palla	Cyperaceae	Sedge
127	*Bombax ceiba* L.	Bombacaceae	Natural Tree
128	*Bonnayaciliata*(Colsm.) Spreng	Linderniaceae	Herb
129	*Boswellia serrata*Roxb.	Burseraceae	Natural Tree
130	*Bothriochloa glabra* (Roxb.) A.Camus	Poaceae	Grass
131	*Bouffordia dichotoma* (Willd.) H.Ohashi&K.Ohashi (Desmodiumdichotomum)	Fabaceae	Herb
132	*Brachiaria ramosa* (L.) Stapf	Poaceae	Grass
133	*Brachypterum scandens* (Roxb.) Wight &Arn. ex Miq.*(Derris scandens)*	Fabaceae	Climber
134	*Breynia retusa* (Dennst.) Alston	Phyllanthaceae	Shrub
135	*Brideliamontana* (Roxb.) Willd	Phyllanthaceae	Shrub
136	*Bridelia retusa* (L.) A.Juss.	Phyllanthaceae	Natural Tree

S.no	Scientific name	Family	Habit
137	*Buchanania axillaris* (Desr.) Ramamoorthy	Anacardiaceae	Natural Tree
138	*Buchnera hispida* Buch.-Ham. ex D.Don	Orobanchaceae	Herb
139	*Buddleja asiatica* Lour.	Scrophulariaceae	Shrub
140	*Bulbostylis barbata* (Rottb.) C.B.Clarke	Cyperaceae	Sedge
141	*Bulbostylis densa* (Wall.) Hand.-Mazz.	Cyperaceae	Sedge
142	*Butea superba*Roxb. ex Willd.	Fabaceae	Climber
143	*Butea monosperma* (Lam.) Taub.	Fabaceae	Natural Tree
144	*Butomopsis latifolia* (D.Don) Kunth	Alismataceae	Herb
145	*Byttneria herbacea* Roxb	Malvaceae	Herb
146	*Cadabafruticosa* (L.) Druce.	Capparaceae	Climber
147	*Caesulia axillaris* Roxb.	Asteraceae	Herb
148	*Cajanus scarabaeoides*(L.) Thouars.	Fabaceae	Climber
149	*Callicarpa tomentosa (L.) L.*	*Lamiaceae*	Natural Tree
150	*Calotropis gigantea* (L.) Dryand	*Apocynaceae*	Shrub
151	*Calotropis procera* (Aiton) W.T.Aiton	Apocynaceae	Shrub
152	*Camoneavitifolia (Burm.f.) A.R.Simões& Staples*	Convolvulaceae	Climber
153	*Canavalia ensiformis* (L.) DC.	Fabaceae	Climber
154	C*anavalia gladiata*(Jacq.) DC.	Fabaceae	Climber
155	*Canscoradiffusa* (Vahl) R.Br. ex Roem. & Schult.	Gentianaceae	Herb
156	*Canscoraheteroclita* (L.) Gilg	Gentianaceae	Herb
157	*Canscora pauciflora* Dalzell.	Gentianaceae	Herb
158	*Cansjerarheedei* J.F.Gmel.	Opiliaceae	Climber
159	*Canthium coromandelicum* (Burm.f.) Alston	Rubiaceae	Natural Tree
160	*Capillipediumassimile* (Steud.) A.Camus	Poaceae	Grass
161	*Capparis sepiaria* L.	Capparaceae	Climber
162	*Capparis zeylanica* L.	Capparaceae	Climber
163	*Caralluma adscendens* (Roxb.) R.Br.	Apocynaceae	Herb
164	*Cardiospermum halicacabum*L.	Sapindaceae	Climber
165	*Carexcruciata* Wahlenb.	Cyperaceae	Sedge
166	Careya arborea Roxb.	Lecythidaceae	Natural Tree
167	Casearia tomentosa Roxb.	Salicaceae	Natural Tree
168	*Cassia fistula* L.	Fabaceae	Natural Tree
169	*Cassytha filiformis* L.	Lauraceae	Climber
170	*Catharanthus pusillus* (Murray) G.Don	Apocynaceae	Herb
171	*Catunaregam spinosa* (Thunb.) Tirveng.	Rubiaceae	Natural Tree
172	*Causonistrifolia* (L.) Mabb. &J.Wen.	Capparaceae	Climber
173	*Cayratiapedata* (Lam.) Juss. ex Gagnep.	Vitaceae	Climber
174	*Ceiba pentandra* (L.) Gaertn.	Bombacaceae	Avenue Tree
175	*Celastrus paniculatus* Willd.	Celastraceae	Climber
176	*Celosia argentea* L.	Amaranthaceae	Herb
177	Celtis timorensis Span.	Cannabaceae	Natural Tree
178	*Cenchrus ciliaris* L.	Poaceae	Grass
179	*Cenchrus pedicellatus* (Trin.) Morrone	Poaceae	Grass
180	*Cenchrus purpureus* (Schumach.) Morrone	Poaceae	Grass
181	*Centella asiatica* (L.) Urb.	Umbelliferae	Climber
182	*Centella asiatica* (L.) Urb.	Apiaceae	Herb
183	*Centothecalappacea* (L.) Desv.	Poaceae	Grass
184	*Centranthera indica* (L.) Gamble	Orobanchaceae	Herb
185	*Ceriscoides turgida* (Roxb.) Tirveng.	Rubiaceae	Natural Tree
186	*Ceropegia bulbosa* Roxb.	Apocynaceae	Herb
187	Chionanthus mala-elengi (Dennst.) P.S.Green	Oleaceae	Natural Tree
188	*Chloris radiata* (L.) Sw.	Poaceae	Grass
189	*Chlorophytum arundinaceum* Baker.	Asparagaceae	Herb
190	*Chlorophytum tuberosum* (Roxb.) Baker	Asparagaceae	Herb
191	*Chloroxylon swietenia* DC.	Rutaceae	Natural Tree
192	*Chromolaena odorata* (L.) R.M.King&H.Rob.	Asteraceae	Shrub
193	*Chrozophora plicata* (Vahl) A.Juss. ex Spreng.	Euphorbiaceae	Herb
194	*Chrozophorarottleri* (Geiseler) Spreng.	Euphorbiaceae	Herb
195	*Chrysopogonzizanioides* (L.) Roberty	Poaceae	Grass
196	*Chrysopogon fulvus* (Spreng.) Chiov.	Poaceae	Grass
197	*Chukrasiatabularis*A.Juss.	Meliaceae	Avenue Tree
198	*Cipadessabaccifera (Roxb. ex Roth) Miq.*	*Meliaceae*	Natural Tree
199	*Cissampelos pareira* L.	Menispermaceae	Climber
200	*Cissus quadrangularis* L	Vitaceae	Herb
201	*Cissus repanda* (Wight &Arn.) Vahl	Vitaceae	Herb
202	*Cissus vitiginea* L.	Vitaceae	Herb
203	*Cissus vitiginea* L.	Vitaceae	Climber
204	*Citrullus colocynthis* (L.) Schrad.	Cucurbitaceae	Climber
205	*Cleistanthuscollinus (Roxb.) Benth. ex Hook.f.*	*Phyllanthaceae*	Natural Tree
206	*Clematis gouriana*Roxb. ex DC.	Ranunculaceae	Climber

S.no	Scientific name	Family	Habit
207	*Clematis zeylanica* (L.) Poir.	Ranunculaceae	Climber
208	*Cleome aspera* J.Koenig ex DC	Cleomaceae	Herb
209	*Cleome chelidonii* L.f.	Cleomaceae	Herb
210	*Cleome felina* L.f.	Cleomaceae	Herb
211	*Cleome gynandra* L.	Cleomaceae	Herb
212	*Cleome viscosa* L	Cleomaceae	Herb
213	*Clerodendrum infortunatum* L	Lamiaceae	Shrub
214	*Clitoriaternatea* L.	Fabaceae	Climber
215	*Coccinia grandis* (L.) Voigt.	Cucurbitaceae	Climber
216	*Cocculus hirsutus* (L.) W.Theob.	Menispermaceae	Climber
217	*Cochlospermumreligiosum (L.) Alston*	*Bixaceae*	Natural Tree
218	*Coixlacryma-jobi* L.	Poaceae	Grass
219	*Coldenia procumbens* L.	Boraginaceae	Herb
220	*Colebrookeaoppositifolia*Sm.	Lamiaceae	Shrub
221	*Coleus strobilifer*(Roxb.) A.J.Paton	Lamiaceae	Herb
222	*Colocasia esculenta* (L.) Schott	Araceae	Herb
223	*Combretum decandrum* Jacq.	Combretaceae	Climber
224	*Commelinaerecta* L	Commelinaceae	Herb
225	*Commelina benghalensis* L	Commelinaceae	Herb
226	*Commicarpus chinensis* (L.) Heimerl.	Nyctaginaceae	Herb
227	*Convolvulus arvensis* L.	Convolvulaceae	Climber
228	*Convolvulus prostratus* Forssk.	Convolvulaceae	Climber
229	*Corallocarpusepigaeus* (Rottler) Hook.f.	Cucurbitaceae	Climber
230	*Corchorus olitorius* L.	Tiliaceae	Herb
231	*Corchorus aestuans* L.	Tiliaceae	Herb
232	*Corchorus capsularis* L	Malvaceae	Herb
233	*Cordia dichotoma*G.Forst.	Boraginaceae	Natural Tree
234	Cordia macleodii (Griff.) Hook.f. & Thomson	Boraginaceae	Natural Tree
235	*Cosmos bipinnatus* Cav.	Asteraceae	Herb
236	*Cosmostigmacordatum* (Poir.) M.R.Almeida.	Apocynaceae	Climber
237	*Crassocephalumcrepidioides* (Benth.) S.Moore	Asteraceae	Herb
238	*Craterostigmanummulariifolium* (D.Don) Eb.Fisch.	Linderniaceae	Herb
239	*Crateva magna* (Lour.) DC	Capparaceae	Natural Tree
240	*Crinum asiaticum* L.	Amaryllidaceae	Herb
241	*Crinum latifolium* L.	Amaryllidaceae	Herb
242	*Crotalaria albida* B.Heyne ex Roth	Fabaceae	Herb
243	*Crotalaria ramosissima* Roxb	Fabaceae	Herb
244	*Crotalaria retusa* L.	Fabaceae	Herb
245	*Crotalaria spectabilis* Roth.	Fabaceae	Herb
246	*Crotalaria calycina* Schrank	Fabaceae	Herb
247	*Crotalaria hebecarpa* (DC.) Rudd	Fabaceae	Herb
248	*Crotalaria verrucosa* L.	Fabaceae	Herb
249	Croton *bonplandianus*Baill.	Euphorbiaceae	Herb
250	*Cryptocoryneretrospiralis* (Roxb.) Kunth.	Araceae	Herb
251	*Cryptolepisbuchananii* R.Br. ex Roem. & Schult.	Apocynaceae	Climber
252	*Cryptolepisdubia* (Burm.f.) M.R.Almeida.	Apocynaceae	Climber
253	*Cryptostegia grandiflora* Roxb. ex R.Br.	Apocynaceae	Climber
254	*Cucumis maderaspatanus*L. (*Mukia*maderaspatana (L.) M.Roem.)	Cucurbitaceae	Climber
255	*Cucumis setosus* Cogn.	Cucurbitaceae	Climber
256	*Curculigoorchioides* Gaertn	Hypoxidaceae	Herb
257	*Curcuma aromatica* Salisb.	Zingiberaceae	Herb
258	*Curcuma pseudomontana* J.Graham.	Zingiberaceae	Herb
259	*Cyanotis axillaris* (L.) D.Don ex Sweet	Commelinaceae	Herb
260	*Cyanotis cristata* (L.) D.Don	Commelinaceae	Herb
261	*Cyanotis tuberosa* (Roxb.) Schult. &Schult.f.	Commelinaceae	Herb
262	*Cyathocline purpurea* (Buch.-Ham. ex D.Don) Kuntze.	Asteraceae	Herb
263	Cymbidium aloifolium (L.) Sw.	Orchidaceae	Epiphytic Herb
264	*Cymbopogon citratus* (DC.) Stapf	Poaceae	Grass
265	*Cymbopogon martini* (Roxb.) W.Watson	Poaceae	Grass
266	*Cynanchumannularium* (Roxb.) Liede& Khanum.	Apoocynaceae	Climber
267	*Cynodon radiatus* Roth	Poaceae	Grass
268	*Cynodon dactylon* (L.) Pers.	Poaceae	Grass
269	*Cynoglossumlanceolatum* Forssk	Boraginaceae	Herb
270	*Cyperus albescens* (Steud.) Larridon&Govaerts	Cyperaceae	Sedge
271	*Cyperus alulatus* J.Kern	Cyperaceae	Sedge
272	*Cyperus articulatus* L.	Cyperaceae	Sedge
273	*Cyperus bipartitus* Torr.	Cyperaceae	Sedge
274	*Cyperus cephalotes* Vahl	Cyperaceae	Sedge
275	*Cyperus compactus* Retz.	Cyperaceae	Sedge

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276	*Cyperus cyperinus* (Retz.) Valck.Sur.	Cyperaceae	Sedge
277	*Cyperus cyperoides* (L.) Kuntze	Cyperaceae	Sedge
278	*Cyperus denudatus* L.f.	Cyperaceae	Sedge
279	*Cyperus difformis* L.	Cyperaceae	Sedge
280	*Cyperus flavidus* Retz.	Cyperaceae	Sedge
281	*Cyperus fuscus* L.	Cyperaceae	Sedge
282	*Cyperus hortensis* (Salzm. ex Steud.) Dorr	Cyperaceae	Sedge
283	*Cyperus imbricatus* Retz.	Cyperaceae	Sedge
284	*Cyperus iria* L.	Cyperaceae	Sedge
285	*Cyperus laevigatus* L.	Cyperaceae	Sedge
286	*Cyperus malaccensis* Lam.	Cyperaceae	Sedge
287	*Cyperus niveus* Retz.	Cyperaceae	Sedge
288	*Cyperus nutans* var. *eleusinoides* (Kunth) Haines	Cyperaceae	Sedge
289	*Cyperus nutans* var. *nutans*	Cyperaceae	Sedge
290	*Cyperus pangorei* Rottb.	Cyperaceae	Sedge
291	*Cyperus pilosus* Vahl	Cyperaceae	Sedge
292	*Cyperus polystachyos* Rottb.	Cyperaceae	Sedge
293	*Cyperus pumilus* L.	Cyperaceae	Sedge
294	*Cyperus rotundus* L.	Cyperaceae	Sedge
295	*Cyperus sanguinolentus* Vahl	Cyperaceae	Sedge
296	*Cyperus squarrosus* L.	Cyperaceae	Sedge
297	*Cyperus strigosus* L.	Cyperaceae	Sedge
298	*Cyperus tenuispica* Steud.	Cyperaceae	Sedge
299	*Cyperus thunbergii* Vahl	Cyperaceae	Sedge
300	*Cyphostemmaauriculatum* (Roxb.) P.Singh&B.V.Shetty.	Cucurbitaceae	Climber
301	*Cyrtococcumoxyphyllum* (Hochst. ex Steud.) Stapf	Poaceae	Grass
302	*Dactyloctenium aegyptium* (L.) Willd.	Poaceae	Grass
303	*Dalbergia lanceolaria* L.f.	Fabaceae	Natural Tree
304	*Dalbergia latifolia* Roxb.	Fabaceae	Natural Tree
305	*Dalbergia sissoo* DC.	Fabaceae	Natural Tree
306	*Datura innoxia* Mill.	Solanaceae	Herb
307	*Delonix regia* (Hook.) Raf.	Fabaceae	Avenue Tree
308	*Dendrobium macrostachyum* Lindl.	Orchidaceae	Epiphytic Herb
309	*Dendrocalamusstrictus* (Roxb.) Nees.	Poaceae	Bamboo
310	*Dendrophthoe falcata* (L.f.) Ettingsh.	Loranthaceae	Epiphytic Herb
311	*Dendrophthoe falcata* (L.f.) Ettingsh	Lorathaceae	Climber
312	*Dentella repens* (L.) J.R.Forst. &G.Forst.	Rubiaceae	Herb
313	*Dentella repens* var. *serpyllifolia* (Wall. ex Craib) Verdc	Rubiaceae	Herb
314	*Dichanthiumannulatum* (Forssk.) Stapf	Poaceae	Grass
315	*Dichanthiumcaricosum* (L.) A.Camus	Poaceae	Grass
316	*Dichanthiumfoveolatum* (Delile) Roberty	Poaceae	Grass
317	*Dichrostachys cinerea* (L.) Wight &Arn.	Fabaceae	Natural Tree
318	*Dicliptera paniculata* (Forssk.) I.Darbysh.	Acanthaceae	Herb
319	*Dicoma tomentosa* Cass	Asteraceae	Herb
320	*Didymocarpus pygmaeus* C.B.Clarke.	Gesneriaceae	Herb
321	*Digera muricata* (L.) Mart.	Amaranthaceae	Herb
322	*Digitariaabyssinica* (Hochst. ex A.Rich.) Stapf	Poaceae	Grass
323	*Digitarialongiflora* (Retz.) Pers.	Poaceae	Grass
324	*Digitaria abludens* (Roem. & Schult.) Veldkamp	Poaceae	Grass
325	*Dillenia indica* L.	Dilleniaceae	Natural Tree
326	*Dilleniapentagyna*Roxb.	Dilleniaceae	Natural Tree
327	*Dimeriaconnivens* Hack.	Poaceae	Grass
328	*Dimeriaornithopoda* Trin	Poaceae	Grass
329	*Dinebra chinensis* (L.) P.M.Peterson&N.Snow	Poaceae	Grass
330	*Dinebra retroflexa* (Vahl) Panz	Poaceae	Grass
331	*Dioscorea bulbifera*L.	Dioscoreaceae	Climber
332	*Dioscorea hispida* Dennst.	Dioscoreaceae	Climber
333	*Dioscorea oppositifolia* L.	Dioscoreaceae	Climber
334	*Dioscorea pentaphylla* L.	Dioscoreaceae	Climber
335	*Diospyros malabarica (Desr.) Kostel*	*Ebenaceae*	Natural Tree
336	*Diospyros melanoxylon Roxb.*	Ebenaceae	Natural Tree
337	*Diospyros montanaRoxb.*	*Ebenaceae*	Natural Tree
338	*Diospyros chloroxylon* Roxb.	Ebenaceae	Natural Tree
339	*Dipcadiserotinum* (L.) Medik.	Asparagaceae	Herb
340	*Diplacrumcaricinum* R.Br.	Cyperaceae	Sedge
341	*Diplocyclospalmatus*(L.) C.Jeffrey.	Cucurbitaceae	Climber
342	*Distimakeaegyptius* (L.) A.R.Simões& Staples	Convolvulaceae	Climber
343	*Distimakedissectus* (Jacq.) A.R.Simões& Staples	Convolvulaceae	Climber
344	*Dodonaea viscosa* Jacq.	*Sapindaceae*	Shrub
345	*Dolichandrone atrovirens (Roth) K.Schum.*	Bignoniaceae	Natural Tree

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346	*Dolichandrone falcata* (Wall. ex DC.) Seem.	Bignoniaceae	Natural Tree
347	*Dopatriumjunceum* (Roxb.) Buch.-Ham. ex Benth	Plantaginaceae	Herb
348	*Drimia indica* (Roxb.) Jessop.	Asparagaceae	Herb
349	*Droseraburmanni* Vahl.	Droseraceae	Herb
350	*Drosera indica* L.	Droseraceae	Herb
351	*Dyschoristevagans* (Wight) Kuntze.	Acanthaceae	Herb
352	*Echinochloacolonum* (L.) Link	Poaceae	Grass
353	*Echinochloa crus-galli* (L.) P.Beauv.	Poaceae	Grass
354	*Echinopsechinatus* Roxb.	Asteraceae	Herb
355	*Ecliptaprostrata* (L.) L.	Asteraceae	Herb
356	*Ehretia laevis* Roxb.	Boraginaceae	Natural Tree
357	*Elaeodendron glaucum* (Rottb.) Pers.	Celastraceae	Shrub
358	*Eleiotissororia* (L.) DC.	Fabaceae	Climber
359	*Eleocharis acutangula* (Roxb.) Schult.	Cyperaceae	Sedge
360	*Eleocharis atropurpurea* (Retz.) J.Presl&C.Presl	Cyperaceae	Sedge
361	*Eleocharis congesta* D.Don	Cyperaceae	Sedge
362	*Eleocharis dulcis* (Burm.f.) Trin. ex Hensch.	Cyperaceae	Sedge
363	*Eleocharis geniculata* (L.) Roem. & Schult.	Cyperaceae	Sedge
364	*Eleocharis retroflexa* (Poir.) Urb.	Cyperaceae	Sedge
365	*Elephantopusscaber* L.	Asteraceae	Herb
366	*Eleusine indica* (L.) Gaertn.	Poaceae	Grass
367	*Elytraria acaulis* (L.f.) Lindau	Acanthaceae	Herb
368	*Elytrophorusspicatus* (Willd.) A.Camus	Poaceae	Grass
369	*Emilia scabra* DC	Asteraceae	Herb
370	*Emilia sonchifolia* (L.) DC.	Asteraceae	Herb
371	*Endosamara racemosa* (Roxb.) R.Geesink.	Fabaceae	Climber
372	*Enicostemaaxillare* (Poir. ex Lam.) A.Raynal	Gentianaceae	Herb
373	*Enteropogondolichostachyus* (Lag.) Keng	Poaceae	Grass
374	*Eragrostiellabrachyphylla* (Stapf) Bor	Poaceae	Grass
375	*Eragrostiella bifaria* (Vahl) Bor	Poaceae	Grass
376	*Eragrostis ciliaris* (L.) R.Br.	Poaceae	Grass
377	*Eragrostisgangetica* (Roxb.) Steud.	Poaceae	Grass
378	*Eragrostis japonica* (Thunb.) Trin.	Poaceae	Grass
379	*Eragrostis minor* Host	Poaceae	Grass
380	*Eragrostispilosa* (L.) P.Beauv.	Poaceae	Grass
381	*Eragrostistenella* (L.) P.Beauv. ex Roem. & Schult.	Poaceae	Grass
382	*Eragrostis tenuifolia* (A.Rich.) Hochst. ex Steud.	Poaceae	Grass
383	*Eragrostisunioloides* (Retz.) Nees ex Steud.	Poaceae	Grass
384	*Eranthemum purpurascens* Wight ex Nees	Acanthaceae	Herb
385	*Eriolaenahookeriana*Wight &Arn.	Malvaceae	Natural Tree
386	*Eriolaenaquinquelocularis*(Wight &Arn.) Drury	Malvaceae	Natural Tree
387	*Erioscirpus comosus* (Wall.) Palla	Cyperaceae	Sedge
388	*Erycibe paniculata* Roxb.	Convolvulaceae	Climber
389	Erythrina abyssinica Lam.	Fabaceae	Natural Tree
390	ErythroxylummonogynumRoxb.	Erythroxylaceae	Natural Tree
391	*Eucalyptus globulus* Labill.	Myrtaceae	Avenue Tree
392	*Eulalia fastigiata* (Nees ex Steud.) Haines	Poaceae	Grass
393	*Eulaliopsisbinata* (Retz.) C.E.Hubb.	Poaceae	Grass
394	Euphorbia antiquorum L.	Euphorbiaceae	Natural Tree
395	*Euphorbia hirta* L.	Euphorbiaceae	Herb
396	Euphorbia nivulia Buch.-Ham.	Euphorbiaceae	Natural Tree
397	Euphorbia tirucalli L.	Euphorbiaceae	Natural Tree
398	*Evolvulusalsinoides* (L.) L.	Convolvulaceae	Herb
399	*Evolvulusnummularius* (L.) L.	Convolvulaceae	Climber
400	Ficus amplissima Sm.	Moraceae	Natural Tree
401	*Ficus elmeri*Merr.	Moraceae	Natural Tree
402	*Ficus hispida*L.f.	Moraceae	Natural Tree
403	*Ficus racemosa* L.	Moraceae	Natural Tree
404	*Ficus rumphii*Blume	Moraceae	Natural Tree
405	*Ficus tinctoria* subsp. *gibbosa* (Blume) Corner.	Moraceae	Shrub
406	*Ficus benghalensis* L.	Moraceae	Natural Tree
407	*Ficus benjamina* L.	Moraceae	Avenue Tree
408	*Ficus mollis* Vahl	Moraceae	Natural Tree
409	*Ficus religiosa* L.	Moraceae	Avenue Tree
410	*Ficus virens* Aiton	Moraceae	Natural Tree
411	*Fimbristylisaestivalis* (Retz.) Vahl	Cyperaceae	Sedge
412	*Fimbristylisalboviridis* C.B.Clarke	Cyperaceae	Sedge
413	*Fimbristylis argentea* (Rottb.) Vahl	Cyperaceae	Sedge
414	*Fimbristylisbisumbellata* (Forssk.) Bubani	Cyperaceae	Sedge
415	*Fimbristyliscymosa* R.Br.	Cyperaceae	Sedge

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416	*Fimbristylis dichotoma* (L.) Vahl	Cyperaceae	Sedge
417	*Fimbristylis falcata* (Vahl) Kunth	Cyperaceae	Sedge
418	*Fimbristylispolytrichoides* (Retz.) R.Br.	Cyperaceae	Sedge
419	*Fimbristylisquinquangularis* (Vahl) Kunth	Cyperaceae	Sedge
420	*Fimbristylistenera* Schult.	Cyperaceae	Sedge
421	*Fimbristylistetragona* R.Br.	Cyperaceae	Sedge
422	*Firmianacolorata* (Roxb.) R.Br.	Malvaceae	Natural Tree
423	*Firmiana simplex* (L.) W.Wight	Malvaceae (=Sterculiaceae)	Natural Tree
424	*Flacourtia indica* (Burm.f.) Merr.	Salicaceae	Natural Tree
425	*Flueggealeucopyrus* Willd.	Euphorbiaceae	Shrub
426	*Fuirena ciliaris* (L.) Roxb.	Cyperaceae	Sedge
427	*Galactia striata* var. *villosa* (Wight &Arn.) Verdc.	Fabaceae	Climber
428	*Gardenia gummifera* L.f.	Rubiaceae	Shrub
429	*Gardenia latifolia Aiton*	Rubiaceae	Natural Tree
430	*Gardenia resinifera Roth*	Rubiaceae	Natural Tree
431	*Garuga pinnata Roxb.*	Burseraceae	Natural Tree
432	*Getonia floribunda* Roxb.	Combretaceae	Climber
433	*Gliricidia sepium* (Jacq.) Walp.	Fabaceae	Avenue Tree
434	*Glochidionvelutinum Wight*	Phyllanthaceae	Natural Tree
435	*Glochidion zeylanicum (Gaertn.) A.Juss.*	Phyllanthaceae	Natural Tree
436	*Gloriosa superba* L.	Colchicaceae	Climber
437	*Glossocardia bosvallia* (L.f.) DC	Asteraceae	Herb
438	*Glycosmis pentaphylla (Retz.) DC*	Rutaceae	Natural Tree
439	*Gmelina arborea Roxb. ex Sm.*	Verbenaceae	Natural Tree
440	*Gmelina asiatica L.*	Verbenaceae	Natural Tree
441	*Gomphrena serrata* L	Amaranthaceae	Herb
442	*Gonostegia pentandra* (Roxb.) Miq.	Urticaceae	Herb
443	*Gouanialeptostachya* DC.	Rhamnaceae	Climber
444	*Grewia asiatica* L.	Tiliaceae	Natural Tree
445	*Grewia flavescens* Juss.	Malvaceae	Shrub
446	*Grewia hirsuta*Vahl	*Malvaceae*	Shrub
447	*Grewia rothii* DC.	Malvaceae	Shrub
448	*Grewia tiliifolia* Vahl.	Malvaceae	Shrub
449	*Grewia tiliifolia* Vahl	Tiliaceae	Natural Tree
450	*Grona heterocarpos* (L.) H.Ohashi&K.Ohashi.	Fabaceae	Herb
451	*Grona heterophylla* (Willd.) H.Ohashi&K.Ohashi	Fabaceae	Herb
452	*Guilandinabonduc* L. = (*Caesalpinia bonduc* (L.) Roxb.)	Fabaceae	Climber
453	*Gymnemasylvestre* (Retz.) R.Br. ex Sm.	Apocynaceae	Climber
454	*Gymnosporia senegalensis* (Lam.) Loes.	Celastraceae	Shrub
455	*Habenariagibsonii* var. *foetida* Blatt. & McCann	Orchidaceae	Herb
456	*Habenariaplantaginea* Lindl.	Orchidaceae	Herb
457	*Habenariaroxburghii* Nicolson	Orchidaceae	Herb
458	*Hackelochloagranularis* (L.) Kuntze	Poaceae	Grass
459	*Handroanthus impetiginosus* (Mart. ex DC.) Mattos	Bignoniaceae	Avenue Tree
460	*Hardwickia binata* Roxb.	Fabaceae	Natural Tree
461	*Helicteres isora* L.	*Malvaceae*	Shrub
462	*Heliotropium indicum* L.	Boraginaceae	Herb
463	*Hemarthriacompressa* (L.f.) R.Br.	Poaceae	Grass
464	*Hemidesmus indicus* (L.) R.Br., W.T.Aiton	Apocynaceae	Climber
465	*Heptapleurumdigitatum* (G.Don ex Loudon) Lowry &G.M.Plunkett	Araliaceae	Shrub
466	*Heterophragmaquadriloculare*(Roxb.) K.Schum.	Bignoniaceae	Natural Tree
467	*Heteropogon contortus* (L.) P.Beauv. ex Roem. & Schult.	Poaceae	Grass
468	*Hewittiamalabarica* (L.) Suresh., D.H.Nicolson, C.R.Suresh&K.S.Manilal	Convolvulaceae	Climber
469	*Hibiscus lobatus* (Murray) Kuntze	Malvaceae	Herb
470	*Hibiscus tiliaceus* L.	Malvaceae	Avenue Tree
471	*Hibiscus vitifolius*L.	Malvaceae	Shrub
472	*Hiptagebenghalensis* (L.) Kurz.	Malpighiaceae	Climber
473	*Holarrhena pubescens* Wall. ex G.Don	Apocynaceae	Natural Tree
474	*Holoptelea integrifolia* Planch.	Ulmaceae	Natural Tree
475	*Homonoia riparia* Lour.	Euphorbiaceae	Shrub
476	*Hoppea dichotoma* Willd.	Gentianaceae	Herb
477	*Huberanthacerasoides*(Roxb.) Chaowasku	Annonaceae	Natural Tree
478	*Hydrilla verticillata* (L.f.) Royle.	Hydrocharitaceae	Herb
479	*Hydrolea zeylanica* (L.) Vahl	Hydroleaceae	Herb
480	*Hygrophila auriculata* (Schumach.) Heine	Acanthaceae	Herb
481	*Hygrophilapolysperma* (Roxb.) T.Anderson	Acanthaceae	Herb
482	*Hygrophilaserpyllum* (Nees) T.Anderson.	Acanthaceae	Herb
483	*Hymenodictyon orixense* (Roxb.) Mabb.	Rubiaceae	Natural Tree

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484	*Ichnocarpus frutescens* (L.) W.T.Aiton.	Apocynaceae	Climber
485	*Imperata cylindrica* (L.) Raeusch.	Poaceae	Grass
486	*Indigofera astragalina* DC	Fabaceae	Herb
487	*Indigofera cassioides*Rottler ex DC.	Fabaceae	Shrub
488	*Indigofera glabra* L.	Fabaceae	Herb
489	*Indigofera linifolia* (L.f.) Retz.	Fabaceae	Herb
490	*Indigofera nummulariifolia* (L.) Livera ex Alston.	Fabaceae	Herb
491	*Indigofera tinctoria* L.	Fabaceae	Herb
492	*Indigofera trifoliata* L.	Fabaceae	Herb
493	*Indigofera glandulosa* Wendl	Fabaceae	Herb
494	*Iphigenia indica* (L.) A.Gray ex Kunth	Colchicaceae	Herb
495	*Iphigenia pallida* Baker.	Colchicaceae	Herb
496	*Ipomoea aquatica*Forssk.	Convolvulaceae	Climber
497	*Ipomoea barlerioides* (Choisy) Benth. ex C.B.Clarke.	Convolvulaceae	Climber
498	*Ipomoea carnea* subsp. *fistulosa* (Mart. ex Choisy) D.F.Austin.	Convolvulaceae	Shrub
499	*Ipomoea coptica* (L.) Roth.	Convolvulaceae	Climber
500	*Ipomoea eriocarpa*R.Br.	Convolvulaceae	Climber
501	*Ipomoea hederifolia* L.	Convolvulaceae	Climber
502	*Ipomoea muricata* (L.) Jacq.(*Ipomoea turbinata* Lag.)	Convolvulaceae	Climber
503	*Ipomoea nil* (L.) Roth.	Convolvulaceae	Climber
504	*Ipomoea obscura* (L.) Ker Gawl.	Convolvulaceae	Climber
505	*Ipomoea pes-tigridis*L.	Convolvulaceae	Climber
506	*Ipomoea quamoclit* L., Sp. Pl.: 159 (1753)	Convolvulaceae	Climber
507	*Isachne globosa* (Thunb.) Kuntze	Poaceae	Grass
508	*Iseilemaanthephoroides* Hack.	Poaceae	Grass
509	*Iseilemajainianum* P.Umam. &P.Daniel	Poaceae	Grass
510	*Iseilemaprostratum* (L.) Andersson	Poaceae	Grass
511	*Ixora pavetta* Andr.	Rubiaceae	Natural Tree
512	*Jacaranda mimosifolia* D.Don	Bignoniaceae	Avenue Tree
513	*Jacquemontia paniculata* (Burm.f.) Hallier f.	Convolvulaceae	Climber
514	*Jasminum multiflorum* (Burm.f.) Andrews.	Oleaceae	Shrub
515	*Jatropha curcas* L	Euphobiaceae	Natural Tree
516	*Jatropha gossypiifolia* L.	Euphorbiaceae	Shrub
517	*Justicia glauca* Rottler	Acanthaceae	Herb
518	*Justicia adhatoda* L.	Acanthaceae	Herb
519	*Kaempferia galanga* L	Zingiberaceae	Herb
520	*Knoxiasumatrensis* (Retz.) DC	Rubiaceae	Herb
521	*KydiacalycinaRoxb*.	Malvaceae	Natural Tree
522	*Kyllinga triceps* Rottb.	Cyperaceae	Sedge
523	*Lablab purpureus* (L.) Sweet.	Fabaceae	Climber
524	*Lagasceamollis* Cav	Asteraceae	Herb
525	*Lagerstroemia reginae*Roxb.	Lythraceae	Avenue Tree
526	*Lagerstroemia parviflora* Roxb	Lythraceae	Natural Tree
527	*Lannea coromandelica* (Houtt.) Merr.	Anacardiaceae	Natural Tree
528	*Lantana camara* L.	*Lamiaceae*	Shrub
529	*Launaea acaulis* (Roxb.) Babc. ex Kerr	Asteraceae	Herb
530	*Launaea procumbens* (Roxb.) Ramayya & Rajagopal.	Asteraceae	Herb
531	*Lavandula bipinnata* (Roth) Kuntze.	Lamiaceae	Herb
532	*Lawsonia inermis* L.	*Lythraceae*	Shrub
533	*Leea asiatica* (L.)Ridsdale	Vitaceae	Shrub
534	*Leea indica* (Burm.f.) Merr.	Vitaceae	Shrub
535	*Leea macrophylla* Roxb. ex Hornem.	Vitaceae	Shrub
536	*Leersiahexandra* Sw.	Poaceae	Grass
537	*Leonotisnepetifolia* (L.) R.Br.	Lamiaceae	Herb
538	*Lepidagathis cristata* Willd	Acanthaceae	Herb
539	*Lepidagathis fasciculata* (Retz.) Nees	Acanthaceae	Herb
540	*Lepidagathisincurva* Buch.-Ham. ex D.Don	Acanthaceae	Herb
541	*Lepidagathistrinervis* Nees.	Acanthaceae	Herb
542	Lepisanthestetraphylla (Vahl) Radlk	Sapindaceae	Natural Tree
543	*Leptadenia reticulata* (Retz.) Wight &Arn.	Apocynaceae	Climber
544	*Leucaena leucocephala* (Lam.) de Wit	Fabaceae	Avenue Tree
545	*Leucas aspera* (Willd.) Link	Lamiaceae	Herb
546	*Leucas biflora* (Vahl) Sm.	Lamiaceae	Herb
547	*Leucas cephalotes* (Roth) Spreng	Lamiaceae	Herb
548	*Leucas martinicensis* (Jacq.) R.Br	Lamiaceae	Herb
549	*Leucas zeylanica* (L.) W.T.Aiton.	Lamiaceae	Herb
550	*Limnophilaaromatica* (Lam.) Merr.	Plantaginaceae	Herb
551	*Limnophila heterophylla* (Roxb.) Benth.	Plantaginaceae	Herb
552	*Limnophila indica* (L.) Druce	Plantaginaceae	Herb
553	*Limnophila rugosa* (Roth) Merr.	Plantaginaceae	Herb

S.no	Scientific name	Family	Habit
554	*Limnophytonobtusifolium*(L.) Miq	Alismataceae	Herb
555	*Limonia acidissima* Groff	Rutaceae	Natural Tree
556	*Lindenbergia indica* (L.) Vatke	Orobanchaceae	Herb
557	*Litseamonopetala*(Roxb.) Pers	Lauraceae	Natural Tree
558	*Lobelia alsinoides* Lam.	Campanulaceae	Herb
559	*Lophopogontridentatus* (Roxb.) Hack.	Poaceae	Grass
560	*Ludwigiaoctovalvis* (Jacq.) P.H.Raven	Onagraceae	Herb
561	*Ludwigia perennis* L.	Onagraceae	Herb
562	*Ludwigia hyssopifolia* (G.Don) Exell	Onagraceae	Herb
563	*Luffa acutangula (L.)* Roxb.	Cucurbitaceae	Climber
564	*Lysimachia ovalis* (Ruiz & Pav.) U.Manns&Anderb	Primulaceae	Herb
565	*Macaranga cuspidata*Boivin ex Baill.	Euphorbiaceae	Natural Tree
566	*Madhuca longifolia* var. *latifolia* (Roxb.) A. Chev	Sapotaceae	Natural Tree
567	*Maeruaoblongifolia*(Forssk.) A.Rich.	Capparaceae	Climber
568	*Magnolia champaca* (L.) Baill. ex Pierre	Magnoliaceae	Natural Tree
569	*Malachra capitata* (L.) L	Malvaceae	Herb
570	*Mallotusnudiflorus* (L.) Kulju &Welzen	Euphorbiaceae	Natural Tree
571	*Mallotusphilippensis*(Lam.) Müll.Arg.	Euphorbiaceae	Natural Tree
572	*Malvastrumcoromandelianum* (L.) Garcke	Malvaceae	Herb
573	*Mangifera indica* L.	Anacardiaceae	Avenue Tree
574	*Manilkara hexandra* (Roxb.) Dubard	Sapotaceae	Natural Tree
575	*Martynia annua* L.	Martyniaceae	Herb
576	*Mazus pumilus* (Burm.f.) Steenis	Mazaceae	Herb
577	*Mecardonia procumbens* (Mill.) Smal	Scrophulariaceae	Herb
578	*Medicago polymorpha* L	Fabaceae	Herb
579	*Melanocenchris jacquemontii* Jaub. & Spach	Poaceae	Grass
580	*Melia azedarach* L.	Meliaceae	Avenue Tree
581	*Melilotus albus* Medik	Fabaceae	Herb
582	*Melochiacorchorifolia* L	Malvaceae	Herb
583	*Memecylon umbellatum* Burm.f.	Melastomataceae	Natural Tree
584	*Merremiaemarginata*(Burm.f.) Hallier f.	Convolvulaceae	Climber
585	*Merremia hederacea* (Burm.f.) Hallier f.	Convolvulaceae	Climber
586	*Mesosphaerum suaveolens* (L.) Kuntze.	Lamiaceae	Herb
587	*Microcarpaea minima* (Retz.) Merr.	Phrymaceae	Herb
588	*Microchloa indica* (L.f.) P.Beauv.	Poaceae	Grass
589	*Microstegiumvimineum* (Trin.) A.Camus	Poaceae	Grass
590	*Miliusa tomentosa* (Roxb.) J.Sinclair	Annonaceae	Natural Tree
591	*Miliusa velutina* (A.DC.) Hook.f. & Thomson	Annonaceae	Natural Tree
592	*Mimosa hamata Willd*	Fabaceae	Shrub
593	*Mimosa pudica* L	Fabaceae	Herb
594	*Mimusops elengi* L.	Sapotaceae	Avenue Tree
595	*Mitragyna parvifolia* (Roxb.) Korth	Rubiaceae	Natural Tree
596	*Mitrasacmeprolifera* R.Br.	Loganiaceae	Herb
597	*Mitreolapetiolata* (J.F.Gmel.) Torr. &A.Gray	Loganiaceae	Herb
598	*Momordica dioica* Roxb. ex Willd.	Cucurbitaceae	Climber
599	*Moorochloaeruciformis* (Sm.) Veldkamp	Poaceae	Grass
600	*Morindacitrifolia*L.	Rubiaceae	Natural Tree
601	*Morinda pubescens* Sm.	Rubiaceae	Natural Tree
602	*Moringa oleifera* Lam	Moringaceae	Avenue Tree
603	*Mucuna pruriens* (L.) DC.	Fabaceae	Climber
604	*Mundulea sericea* (Willd.) A.Chev.	Fabaceae	Natural Tree
605	*Murdannia edulis* (Stokes) Faden	Commelinaceae	Herb
606	*Murdannianudiflora* (L.) Brenan	Commelinaceae	Herb
607	*Murdannia spirata* (L.) G.Brückn	Commelinaceae	Herb
608	*Murraya paniculata* (L.) Jack	Rutaceae	Natural Tree
609	*Naringi crenulata* (Roxb.) Nicolson	Rutaceae	Natural Tree
610	*Nelumbo nucifera* Gaertn	Nelumbonaceae	Herb
611	*Neolamarckia cadamba* (Roxb.) Bosser	Rubiaceae	Avenue Tree
612	*Nepeta hindostana* (B.Heyne ex Roth) Haines	Lamiaceae	Herb
613	*Nerviliainfundibulifolia* Blatt. & McCann.	Orchidaceae	Herb
614	*Nervilia plicata* (Andrews) Schltr.	Orchidaceae	Herb
615	*Nicandra physalodes* (L.) Gaertn.	Solanaceae	Herb
616	*Nicotebabetonica* (L.) Lindau	Acanthaceae	Herb
617	*Nyctanthes arbor-tristis* L.	Oleaceae	Natural Tree
618	*Nymphaea nouchali* Burm.f.	Nymphaeaceae	Herb
619	*Nymphaea rubra* Roxb. ex-Andrews	Nymphaeaceae	Herb
620	*Nymphoideshydrophylla* (Lour.) Kuntze	Menyanthaceae	Herb
621	*Oberoniafalconeri*Hook.f.	Orchidaceae	Epiphytic Herb
622	*Ochna obtusata* DC.	Ochnaceae	Natural Tree

S.no	Scientific name	Family	Habit
623	*Ocimum americanum* L.	Lamiaceae	Herb
624	*Olax scandens* Roxb.	Olacaceae	Climber
625	*Oligochaeta divaricata* (DC.) K.Koch	Asteraceae	Herb
626	*Operculinaturpethum*(L.) Silva Manso.	Convolvulaceae	Climber
627	*Oplismenuscompositus* (L.) P.Beauv.	Poaceae	Grass
628	*Oplismenus burmannii* (Retz.) P.Beauv.	Poaceae	Grass
629	*Opuntia elatior* Mill.	Cactaceae	Shrub
630	*Oropetiumroxburghianum* (Schult.) S.M.Phillips	Poaceae	Grass
631	*Oropetium thomaeum* (L.f.) Trin	Poaceae	Grass
632	*Oroxylum indicum* (L.) Kurz	Bignoniaceae	Natural Tree
633	*Orthosiphon rubicundus* (D.Don) Benth	Lamiaceae	Herb
634	*Oryza rufipogon* Griff.	Poaceae	Grass
635	*Osbeckia muralis* Naudin	Melastomatacea	Herb
636	*Ottelia alismoides* (L.) Pers	Hydrocharitaceae	Herb
637	*Ougeiniaoojeinensis*(Roxb.) Hochr.	Fabaceae	Natural Tree
638	*Ouret sanguinolenta* (L.) Kuntze	Amaranthaceae	Herb
639	*Oxalis corniculata* L	Oxalidiaceae	Herb
640	*Oxystelma esculentum* (L.f.) Sm.	Apocynaceae	Climber
641	*Pancratium triflorum* Roxb	Amaryllidaceae	Herb
642	*Paramollugo nudicaulis* (Lam.) Thulin	*Molluginaceae*	Herb
643	*Parasopubiadelphiniifolia (L.) H.-P.Hofm. &Eb.Fisch*	Orobanchaceae	Herb
644	*Parkinsonia aculeata* L.	Fabaceae	Shrub
645	*Parthenium hysterophorus* L.	Asteraceae	Herb
646	*Paspalum scrobiculatum* L.	Poaceae	Grass
647	*Passiflora foetida L.*	Passifloraceae	Climber
648	*Pavettacanescens*DC. *(Pavetta tomentosa)*	Rubiaceae	Natural Tree
649	*Pavettacrassicaulis* Bremek.	Rubiaceae	Shrub
650	*Pavonia zeylanica* (L.) Cav	Malvaceae	Herb
651	*Peltophorum pterocarpum* (DC.) K.Heyne	Fabaceae	Avenue Tree
652	*Peperomia pellucida* (L.) Kunth	Piperaceae	Herb
653	*Pergulariadaemia*(Forssk.) Chiov.	Apocynaceae (= Asclepiadaceae)	Climber
654	*Peristyluslawii* Wight	Orchidaceae	Herb
655	*Perotis indica* (L.) Kuntze	Poaceae	Grass
656	*Persicaria glabra* (Willd.) M.Gómez	Polygonaceae	Herb
657	*Petalidiumbarlerioides* (B.Heyne ex Roth) Nees	Acanthaceae	Herb
658	*Phaneraroxburghiana* (Voigt) Bandyop., Anand	Fabaceae	Natural Tree
659	*Phaneravahlii* (Wight &Arn.) Benth.	Fabaceae	Climber
660	*Phaulopsis imbricata* (Forssk.) Sweet	Acanthaceae	Herb
661	*Phoenix acualis*Roxb.	Arecaceae	Shrub
662	*Phoenix sylvestris* (L.) Roxb.	Arecaceae	Natural Tree
663	*Phragmites karka* (Retz.) Trin. ex Steud.	Poaceae	Grass
664	*Phyla nodiflora* (L.) Greene.	Verbenaceae	Climber
665	*Phyllanthus amarus*Schumach. & Thonn.	Phyllanthaceae	Herb
666	Phyllanthus emblica L.	Phyllanthaceae	Natural Tree
667	*Phyllanthus maderaspatensis* L.	Phyllanthaceae	Herb
668	*Phyllanthus reticulatus* Poir	*Phyllanthaceae*	Shrub
669	*Phyllodiumpulchellum* (L.) Desv.	Fabaceae	Herb
670	*Physalis angulata* L.	Solanaceae	Herb
671	*Pigeaenneasperma* (L.) P.I.Forst.	Violaceae	Herb
672	*Piliostigmamalabaricum*(Roxb.) Benth.	Fabaceae	Avenue Tree
673	*Pimpinella heyneana* (DC.) Benth. &Hook.f.	Apiaceae	Herb
674	*Pistia stratiotes* L.	Araceae	Herb
675	*Platostomahispidum* (L.) A.J.Paton	Lamiaceae	Herb
676	*Pleurolobus gangeticus* (L.)	Fabaceae	Herb
677	*Plumbago zeylanica* L.	Plumbaginaceae	Herb
678	*Plumeria rubra* L.	Apocynaceae	Avenue Tree
679	*Pogonatherumcrinitum* (Thunb.) Kunth	Poaceae	Grass
680	*Pogostemonbenghalensis*(Burm.f.)Kuntze	Lamiaceae	Shrub
681	*Pogostemonquadrifolius* (Benth.) F.Muell	Lamiaceae	Herb
682	*Polhillidesvelutina* (Willd.) H.Ohashi&K.Ohashi.	Fabaceae	Herb
683	*Polyalthiasuberosa*(Roxb.) Thwaites	Annonaceae	Natural Tree
684	*Polyalthia longifolia* (Sonn.) Thwaites	Annonaceae	Avenue Tree
685	*Polycarpaeacorymbosa* (L.) Lam.	Caryophyllaceae	Herb
686	*Polycarpon prostratum* (Forssk.) Asch. &Schweinf	Caryophyllaceae	Herb
687	*Polygala arvensis* Willd.	Polygalaceae	Herb
688	*Polygala erioptera* DC	Polygalaceae	Herb
689	*Polygala persicariifolia* DC.	Polygalaceae	Herb
690	*Polygonum plebeium* R.Br.	Polygonaceae	Herb
691	*Polytoca gigantea* (J.Koenig) Mabb.	Poaceae	Grass

S.no	Scientific name	Family	Habit
692	*Polytrias indica* (Houtt.) Veldkamp	Poaceae	Grass
693	*Pongamia pinnata* (L.) Pierre	Fabaceae	Avenue Tree
694	*Pontederia crassipes* Mart.	Pontederiaceae	Herb
695	*Pontederia vaginalis* Burm.f.	Pontederiaceae	Herb
696	*Portulaca quadrifida* L.	Portulacaceae	Herb
697	*Potamogeton crispus* L.	Potamogetonaceae	Herb
698	*Prosopis cineraria* (L.) Druce	Fabaceae	Natural Tree
699	*Prosopis juliflora* (Sw.) DC.	Fabaceae	Avenue Tree
700	*Pseudanthistiriaheteroclita* (Roxb.) Hook.f.	Poaceae	Grass
701	*Pseudarthriaviscida* (L.) Wight &Arn.	Fabaceae	Climber
702	*Pseudopogonatherumtrispicatum* (Schult.) Ohwi	Poaceae	Grass
703	*Pseudoraphisspinescens* (R.Br.) Vickery	Poaceae	Grass
704	*Pseudosorghumfasciculare* (Roxb.) A.Camus	Poaceae	Grass
705	*Psidium guajava* L.	Myrtaceae	Avenue Tree
706	PsydraxdicoccosGaertn.	Rubiaceae	Natural Tree
707	*Pterocarpus marsupium* Roxb.	Fabaceae	Natural Tree
708	*Pueraria tuberosa* (Roxb. ex Willd.) DC.	Fabaceae	Climber
709	*Pulicariafoliolosa* DC	Asteraceae	Herb
710	*Pupalialappacea* (L.) Juss.	Amaranthaceae	Herb
711	*Putranjivaroxburghii*Wall.	Putranjivaceae	Natural Tree
712	*Radermachera xylocarpa* (Roxb.) Roxb. ex K.Schum	Bignoniaceae	Natural Tree
713	*Rauvolfia serpentina* (L.) Benth. ex Kurz	Apocynaceae	Herb
714	*Rhynchosiabracteata* Benth. ex Baker	Fabaceae	Climber
715	*Rhynchosia minima* (L.) DC.	Fabaceae	Climber
716	*Rhynchosporaberteroi* (Spreng.) C.B.Clarke	Cyperaceae	Sedge
717	*Rhynchospora rubra* (Lour.) Makino	Cyperaceae	Sedge
718	*Riveahypocrateriformis* (Desr.) Choisy.	Convolvulaceae	Climber
719	*Rottboelliacochinchinensis* (Lour.) Clayton	Poaceae	Grass
720	*Rotula aquatica* Lour.	Boraginaceae	Shrub
721	*Rubia cordifolia* L.	Rubiaceae	Climber
722	*Ruelliapatula* Jacq.	Acanthaceae	Herb
723	*Ruelliaprostrata*Poir.	Acanthaceae	Herb
724	*Saccharum spontaneum* L.	Poaceae	Shrub
725	*Sacciolepis indica* (L.) Chase	Poaceae	Grass
726	*Sacciolepisinterrupta* (Willd.) Stapf	Poaceae	Grass
727	*Santalum album* L.	Santalaceae	Natural Tree
728	*Sapindus emarginatus* Vahl	Sapindaceae	Avenue Tree
729	*Saraca asoca* (Roxb.) Willd	Fabaceae	Avenue Tree
730	*Schizachyriumbrevifolium* (Sw.) Nees ex Buse	Poaceae	Grass
731	*Schleichera oleosa* (Lour.) Merr.	Sapindaceae	Natural Tree
732	*Schoenefeldiagracilis* Kunth	Poaceae	Grass
733	*Schoenoplectiella articulata* (L.) Lye	Cyperaceae	Sedge
734	*Schoenoplectiellajuncoides* (Roxb.) Lye	Cyperaceae	Sedge
735	*Schrebera swietenioides*Roxb.	Oleaceae	Natural Tree
736	*Scleriabiflora* Roxb.	Cyperaceae	Sedge
737	*Sclerialithosperma* (L.) Sw.	Cyperaceae	Sedge
738	*Scoparia dulcis* L.	Plantaginaceae	Herb
739	*Searsiamysorensis* (G.Don) Moffett	Anacardiaceae	Shrub
740	*Sehima nervosa* (Rottler) Stapf	Poaceae	Grass
741	*Semecarpus anacardium* L.f	Anacardiaceae	Natural Tree
742	Senegalia catechu (L.f.) P.J.H.Hurter& Mabb	Fabaceae	Natural Tree
743	*Senegaliachundra* (Roxb. ex Rottler) Maslin	Fabaceae	Natural Tree
744	Senegalia pennata (L.) Maslin.	Fabaceae	Climber
745	*Senegalia torta* (Roxb.) Maslin	Fabaceae	Climber
746	*Senna alata* (L.) Roxb.	Fabaceae	Shrub
747	*Senna tora* (L.) Roxb.	Fabaceae	Herb
748	*Senna uniflora* (Mill.) H.S.Irwin& Barneby	Fabaceae	Herb
749	*Senna occidentalis* (L.) Link	Fabaceae	Herb
750	*Senna siamea* (Lam.) H.S.Irwin& Barneby	Fabaceae	Avenue Tree
751	*Setariaflavida* (Retz.) Veldkamp	Poaceae	Grass
752	*Setaria intermedia* Roem. & Schult.	Poaceae	Grass
753	*Setaria italica* (L.) P.Beauv.	Poaceae	Grass
754	*Setaria parviflora* (Poir.) Kerguélen	Poaceae	Grass
755	*Setaria punctata* (Burm.f.) Veldkamp	Poaceae	Grass
756	*Setariaverticillata* (L.) P.Beauv.	Poaceae	Grass
757	*Setaria pumila* (Poir.) Roem. & Schult.	Poaceae	Grass
758	*Sida acuta* Burm.f.	Malvaceae	Herb
759	*Sida cordata* (Burm.f.) Borss.Waalk.	Malvaceae	Herb
760	*Smilax perfoliata* Lour.	Smilacaceae	Climber
761	*Smilax zeylanica* L.	Smilacaceae	Climber

S.no	Scientific name	Family	Habit
		(=Liliaceae)	
762	*Sohmaealaxiflora* (DC.) H.Ohashi&K.Ohashi.	Fabaceae	Herb
763	*Solanum virginianum* L.	Solanaceae	Herb
764	*Solena amplexicaulis* (Lam.) Gandhi	Cucurbitaceae	Climber
765	*Sorghum nitidum* (Vahl) Pers.	Poaceae	Grass
766	*Soymida febrifuga* (Roxb.) A. Juss.	Meliaceae	Natural Tree
767	*Spathodea campanulata* P.Beauv.	Bignoniaceae	Avenue Tree
768	*Spermacoce articularis* L.f.	Rubiaceae	Herb
769	Spermacoce ocymoides Burm.f	Rubiaceae	Herb
770	Spermacoce pusilla Wall.	Rubiaceae	Herb
771	*Sphaeranthus indicus* L.	Asteraceae	Herb
772	*Spodiopogonrhizophorus* (Steud.) Pilg.	Poaceae	Grass
773	*Spondias pinnata* (L.f.) Kurz	Anacardiaceae	Natural Tree
774	*Sporobolus diandrus* (Retz.) P.Beauv.	Poaceae	Grass
775	*Sporobolus pectinellus* Mez	Poaceae	Grass
776	*Stapfochloaelata* (Desv.) P.M.Peterson	Poaceae	Grass
777	*Stephanotis volubilis* (L.f.) S.Reuss, Liede&Meve	Apocynaceae	Climber
778	*Sterculia villosa*Roxb. ex Sm.	Sterculiaceae	Natural Tree
779	*Sterculia foetida* L.	Malvaceae(= Sterculiaceae)	Avenue Tree
780	*Stereospermumcolais* (Buch.-Ham. ex Dillwyn) Mabb.	Bignoniaceae	Natural Tree
781	*Streblus asper* Lour	Moraceae	Natural Tree
782	*Striga densiflora* (Benth.) Benth.	Orobanchaceae	Herb
783	Striga angustifolia (D. Don) C.J. Saldanha	Orabanchaceae	Herb
784	*Strobilanthespavala* (Roxb.) J.R.I.Wood	Acanthaceae	Herb
785	*Strychnos nux-vomica* L.	Loganiaceae	Natural Tree
786	*Strychnos potatorum* L.f.	Loganiaceae	Natural Tree
787	*Stylosanthesfruticosa* (Retz.) Alston	Fabaceae	Herb
788	*Symphoremainvolucratum* Roxb.	Lamiaceae	Climber
789	*Syzygiumsalicifolium*J.Graham *(*	Myrtaceae	Natural Tree
790	*Syzygium cumini* (L.) Skeels	Myrtaceae	Avenue Tree
791	*Tabebuia rosea* (Bertol.) Bertero ex A.DC.	Bignoniaceae	Avenue Tree
792	*Tabebuia aurea* (Silva Manso) Benth. &Hook.f. exS.Moore	Bignoniaceae	Avenue Tree
793	*Tamarindus indica* L.	Fabaceae	Natural Tree
794	*Tamilnadiauliginosa*(Retz.) Tirveng. & Sastre	Rubiaceae	Natural Tree
795	*Tarenna asiatica* (L.) Kuntze ex K.Schum	Rubiaceae	Natural Tree
796	*Tectona grandis*L.f.	Lamiaceae	Natural Tree
797	*Telosma pallida* (Roxb.) Craib	Apocynaceae	Climber
798	*Tephrosia villosa* (L.) Pers.	Fabaceae	Herb
799	*Tephrosia purpurea* (L.) Pers	Fabaceae	Herb
800	*Teramnusmollis*(L.f.) Spreng.	Fabaceae	Climber
801	*Terminalia anogeissiana* Gere &Boatwr.	Combretaceae	Natural Tree
802	*Terminalia phillyreifolia* (Van Heurck&Müll.Arg.)	Combretaceae	Natural Tree
803	*Terminalia arjuna* (Roxb. ex DC.) Wight &Arn.	Combretaceae	Natural Tree
804	*Terminalia bellirica* Wall.	Combretaceae	Natural Tree
805	*Terminalia catappa* L.	Combretaceae	Avenue Tree
806	*Terminalia chebula* Retz.	Combretaceae	Natural Tree
807	*Terminalia elliptica* willd.	Combretaceae	Natural Tree
808	*Tetrapilusdioicus* (Roxb.) L.A.S.Johnson*(Olea dioica)*	Oleaceae	Natural Tree
809	*Thelepogon elegans* Roth	Poaceae	Grass
810	*Themedalaxa* (Andersson) A.Camus	Poaceae	Grass
811	*Themeda quadrivalvis* (L.) Kuntze	Poaceae	Grass
812	*Themedatriandra* Forssk.	Poaceae	Grass
813	*Thespesia populnea (L.) Sol. ex Corrêa*	Malvaceae	Avenue Tree
814	*Thunbergia fragrans* Roxb.	Acanthaceae	Climber
815	*Thunbergia grandiflora* Roxb.	Acanthaceae	Climber
816	*Tiliacora acuminata* (Lam.) Miers	Manispermaceae	Climber
817	*Tinospora cordifolia* (Willd.) Hook.f. & Thomson.	Menispermaceae	Climber
818	*Torenia anagallis* (Burm.f.) Wannan, W.R.Barker&Y.S.Liang.	Linderniaceae	Herb
819	*Torenia crustacea (L.) Cham. &Schltdl.*	Linderniaceae	Herb
820	*Tragiainvolucrata* L.	Euphorbiaceae	Climber
821	*Tragus mongolorum* Ohwi	Poaceae	Grass
822	*Trema orientale* (L.) Blume	Cannabaceae	Natural Tree
823	*Tribulus terrestris* L.	Zygophyllaceae	Herb
824	*Trichosanthescucumerina* L.	Cucurbitaceae	Climber
825	*Trichosanthestricuspidata*Lour.	Cucurbitaceae	Climber
826	*Trichuriella monsoniae* (L. f.) Bennet	Amaranthaceae	Herb
827	*Tridax procumbens* (L.) L.	Asteraceae	Herb
828	*Trigastrotheca pentaphylla* (L.) Thulin	Molluginaceae	Herb
829	*Tripogon bromoides* Roem. & Schult.	Poaceae	Grass

S.no	Scientific name	Family	Habit
830	*Tripogon capillatus* Jaub. & Spach	Poaceae	Grass
831	*Tripogon jacquemontii* Stapf	Poaceae	Grass
832	*Tripogon purpurascens* Duthie	Poaceae	Grass
833	*Typha angustifolia* L.	Typhaceae	Shrub
834	*Urena lobata* L.	Malvaceae	Herb
835	*Urochloapanicoides* P.Beauv.	Poaceae	Grass
836	*Urochloaramosa* (L.) T.Q.Nguyen	Poaceae	Grass
837	*Urochloasetigera* (Retz.) Stapf	Poaceae	Grass
838	*Vachellia leucophloea* (Roxb.) Maslin, Seigler & Ebinger	Fabaceae	Natural Tree
839	*Vachellia nilotica* (L.) P.J.H.Hurter& Mabb	Fabaceae	Natural Tree
840	*Vanda tessellata* (Roxb.) Hook. ex G.Don	Orchidaceae	Epiphytic Herb
841	*Ventilago denticulata* Willd.	Rhamnaceae	Climber
842	*Ventilagomadraspatana*Gaertn.	Rhamnaceae	Climber
843	*Vicoa indica (L.) DC.*	Asteraceae	Herb
844	*Vigna aconitifolia*(Jacq.) Maréchal.	Fabaceae	Climber
845	*Vigna umbellata* (Thunb.) Ohwi&H.Ohashi	Fabaceae	Climber
846	*Vincetoxicumfasciculatum* (Buch.-Ham. ex Wight) Kuntze	Apocynaceae	Climber
847	*Vincetoxicum indicum* (Burm.f.) Mabb.	Apocynaceae	Climber
848	*Vitex altissima* L.f.	Lamiaceae	Natural Tree
849	*Vitex negundo* L.	Lamiaceae	Natural Tree
850	*Volkameria inermis* L.	Lamiaceae	Shrub
851	*Woodfordia fructicosa*(L.) Kurz	*Lythraceae*	Shrub
852	*Wrightia arborea* (Dennst.) Mabb.	Apocynaceae	Natural Tree
853	*Wrightia tinctoria* subsp. *rothii* (G.Don) Ngan	Apocynaceae	Natural Tree
854	*Xenostegia tridentata* (L.) D.F.Austin& Staples	Convolvulaceae	Climber
855	*Ximenia americana* L.	Salicaceae	Shrub
856	*Xylia xylocarpa*(Roxb.) W.Theob.	Fabaceae	Natural Tree
857	*Yamazakiaviscosa* (Hornem.) W.R.Barker, Y.S.Liang&Wannan.	Linderniaceae	Herb
858	*Ziziphus nummularia* (Burm.f.) Wight &Arn.	Rhamnaceae	Shrub
859	*Ziziphus oenopolia* (L.) Mill.	Rhamnaceae	Climber
860	*Ziziphus jujuba* Mill.	Rhamnaceae	Natural Tree
861	*Ziziphus rugosa* Lam.	Rhamnaceae	Natural Tree
862	*Ziziphus xylopyrus* (Retz.) Willd	Rhamnaceae	Natural Tree
863	*Zornia diphylla* (L.) Pers.	Fabaceae	Herb

4. CONCLUSION

The study conducted in Pench Tiger Reserve, Maharashtra, underscores the critical importance of comprehensive biodiversity inventories in understanding and conserving tropical forest ecosystems. Despite global and regional efforts in conservation, challenges such as deforestation, habitat fragmentation, and climate change continue to threaten biodiversity. By meticulously cataloging the native flora, this research contributes valuable baseline data, essential for future ecological studies, environmental assessments, and effective conservation strategies. Ultimately, this work serves as a foundation for further ecological research and underscores the urgent need for integrated strategies to preserve these biodiverse habitats.

DISCLAIMER (ARTIFICIAL INTELLIGENCE)

We, author(s) hereby declare that NO generative AI technologies such as Large Language Models (ChatGPT, COPILOT, etc) and text-to-image generators have been used during writing or editing of this manuscript.

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COMPETING INTERESTS

Authors have declared that no competing interests exist.

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