Original Research Article

InventorylistofplantdiversityinTropicaldrydeciduousforestofPenchTigerReserve,Maharashtra,India

ABSTRACT

Aim: To assess the ~~diversity~~ (phyto-diversity or plant diversity)of pench tiger reserve, ~~m~~Maharashtra, ~~i~~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.

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 conservation strategies.

1.INTRODUCTION

Tropicalforestsareconsideredtheworld'smostbiodiversity-richecosystems,vitalforsupportingthelivelihoodsofmany,particularlyindevelopingcountries.Despitetheirsignificantrolesinpovertyalleviation,foodsecurity,andclimatechangeresilience,theseforestsareofteninadequatelyintegratedintonationaldevelopmentstrategies[19].DriversofBiodiversityLossAcomplexinterplayoffactorscontributestobiodiversitylossintropicalforests.Theseincludedemographicchanges,poverty,policyresponses,ecologicaldisturbances,anthropogenicdisturbances,andclimatechange[10,15,23].Indryforestzones,specificthreatssuchaswildfires,shiftingcultivation,logging,andfirewoodextractionsignificantlyincreasethevulnerabilityofforestspeciesthroughmicro-environmentalalterationsaffectingunderstorycomposition[6].Themaindriversofbiodiversitylossincludedeforestation,fragmentation,over-exploitation,invasivespecies,andclimatechange[9,18],withvaryingimpactsacrossdifferenttropicalforestregions[8].ImplicationsofForestDegradationTheongoingdestructionoftropicalforestsisexpectedtoleadtoanextinctioncrisisamongforestspecies[5].InIndia,nativeforestsarereportedlydecliningatarateof3.5%,despitereforestationeffortsthathaveincreasedtotalforestcover.Thislossoccurswhenourunderstandingofforeststructureanddynamicsremainsinsufficient,whichiscrucialforsustainablemanagementandconservation[2].ApproachestoRestoringBiodiversityRestoringbiodiversityindegradedlandscapesisessentialforthesustainabilityofnativeforestsandecosystemfunctionality.Onemethodisallowingfloristicrecoverythroughnaturalsuccession,althoughthisprocesscanbehinderedbyfactorssuchashighlanduseintensity[11]andlimitedseedavailabilityformanytropicalspecies[26],aswellascompetitionforresources[12].Humaninterventionoffersanalternativestrategyforlong-termbiodiversityprotection[4,16].ImportanceofBiodiversityInventoriesInterventiondataaretypicallygatheredthroughbiodiversityinventoriesthatassessthenatureanddistributionofbioticresourcesinthetargetarea[22].Quantifyingtreespeciesdistributionandabundanceisvital,asitinfluencesforeststructureandprovideshabitatsforvariousspecies[14].Plantchecklistsareessentialfordevelopinghypothesesrelatedtolarge-scaleecologicalstudies,biogeography,andenvironmentalassessments[13].However,flawedchecklistscanleadtoerroneousbiodiversityconclusionsConclusionandPurposeoftheStudyReliabledataonspeciescomposition,vulnerabilities,andresponsestoclimaticchangesacrossdifferentecosystemsarecriticalforcreatingeffectiveconservationstrategiestomitigatenaturalresourcedegradation.Thisstudyaimstoaddressthisneedbygeneratingbaselinedataonthenativefloraofthetropicalforestecosystemincentral India.

2. MATERIALANDMETHODOLOGY

2.1STUDYAREA

ThepresentstudywascarriedoutinthePenchTigerReserve,Maharashtrawhichisnamedafterthe Pench River,whichisrunningthroughtheSatpura'slowlyingsouthernhillrangesfromNorthtoSouth.Geographically,thePenchTigerReserveislocatedbetween79003’46”to79021’20”Eastto21011’58”to21043’16”Northcoversatotalareaof741.22km^2,includingitscorearea(257.26km2)andbufferarea(483.96km2).

2.2METHODOLOGY

TheNationalWorkingPlanCode-2014providesguidelinesforthedesignandlayoutofthesesampleplots.Thiscodespecifiestheuseofsquaresampleplots,whichareessentialforcollectingdataonforestcarbonstocks.Uponarrivingatthedesignatedsamplingplotlocation,asquareplotmeasuring0.1hectares(31.62m×31.62m)shouldbeestablished.Thisinvolvesmeasuringahorizontaldistanceof22.36metershalfofthediagonaloutwardinallfourdirections:at45°(northeast),135°(southeast),225°(southwest),and315°(northwest)fromtruenorth.Itiscrucialtoensuretheproperdimensionsaremaintainedduringthislayoutprocess.Additionally,subplotsmeasuring3m×3mand1m×1mshouldbeestablished30metersfromthecenterofthemain0.1haplotinalldirections.Thesesubplotsaredesignatedforsamplingshrubs,climbers,regeneration,andherbs/grasses,respectively.Furthermore,quadratsofsizes1m×1m,3m×3m,and5m×5mwillbelaidoutinthenortheast(NE)andsouthwest(SW)directions.Withinthe3m×3mplot,allshrubsandclimbersmustbecutatgroundlevel,weighed,anddocumented.The1m×1mplotwillbeusedtocollectandweighallherbsandgrasses.

3. RESULTSANDDISCUSSION

Table.1FloristicdiversityofPenchTigerReserve,Maharashtra,India

S.no	Scientificname	Family	Habit
1	*AbelmoschuscrinitusWall.*	Malvaceae	Herb
2	*Abelmoschusesculentus*(L.)Moench	Malvaceae	Herb
3	*Abelmoschusficulneus*(L.)Wight&Arn.	Malvaceae	Herb
4	*Abildgaardiaovata*(Burm.f.)Kral	Cyperaceae	Sedge
5	*Abrusprecatorius*L.	Fabaceae	Climber
6	*Abutilonhirtum*(Lam.)Sweet	Malvaceae	Shrub
7	*Abutilonindicum*(L.)Sweet	Malvaceae	Shrub
8	*Acaciaauriculiformis*Benth.	Fabaceae	AvenueTree
9	*Acalyphaciliata*Forssk	Euphorbiaceae	Herb
10	*Acalyphaindica*L.	Euphorbiaceae	Herb
11	*Acampepraemorsa*var.*longepedunculata*(Trimen)Govaerts	Orchidaceae	EpiphyticHerb
12	*Acanthospermumhispidum*DC	Asteraceae	Herb
13	*Achyranthesaspera*L.	Amaranthaceae	Herb
14	*Acoruscalamus*L.	Acoraceae	Herb
15	*Adansoniadigitata*L.	Malvaceae	AvenueTree
16	*Adenosmaindiana*(Lour.)Merr	Plataginaceae	Herb
17	*Adenostemmalavenia*(L.)Kuntze	Asteraceae	Herb
18	*Adinacordifolia*(Roxb.)Brandis	Rubiaceae	NaturalTree
19	*Aeginetiaindica*L.	Orobanchaceae	Herb
20	*Aeglemarmelos*(L.)Corrêa	Rutaceae	AvenueTree
21	*Aeridesodorata*Lour.	Orchidaceae	EpiphyticHerb
22	Aervalanata(L.)Juss.	Amaranthaceae	Herb
23	*Aeschynomeneamericana*L.	Fabaceae	Herb
24	*Aeschynomenevirginica*(L.)Britton	Fabaceae	Herb
25	*Aeschynomeneindica*L	Fabaceae	Herb
26	*Agaveamericana*L.	Asparagaceae	Herb
27	*Ageratumhoustonianum*Mill.	Asteraceae	Herb
28	*Ageratumconyzoides*(L.)L.	Asteraceae	Herb
29	*Ailanthustriphysa*(Dennst.)Alston	Simaroubaceae	NaturalTree
30	*Ailanthusexcelsa*Roxb.	Simaroubaceae	NaturalTree
31	*Alangiumsalviifolium*(L.f.)Wangerin	Cornaceae	NaturalTree
32	*Albizialebbeck*(L.)Benth.	Fabaceae	AvenueTree

33	*Albiziaodoratissima*(L.f.)Benth.	Fabaceae	NaturalTree
34	*Albiziaprocera*(Roxb.)Benth	Fabaceae	NaturalTree
35	*Albiziaamara*(Roxb.)B.Boivin	Fabaceae	NaturalTree
36	*Albiziasaman*(Jacq.)Merr.	Fabaceae	AvenueTree
37	*Allmanianodiflora*(L.)R.Br.exWight	Amaranthaceae	Herb
38	*Allophylusserratus*(Roxb.)Kurz	Sapindaceae	NaturalTree
39	*Alloteropsiscimicina*(L.)Stapf	Poaceae	Grass
40	*Aloevera*(L.)Burm.*f*	Asphodelaceae	Herb
41	*Alternantheraphiloxeroides*(Mart.)Griseb.	Amaranthaceae	Herb
42	*Alternantherapungens*Kunth	Amaranthaceae	Herb
43	*Alternantherasessilis*(L.)DC	Amaranthaceae	Herb
44	*Alysicarpusbupleurifolius*(L.)DC.	Fabaceae	Herb
45	*Alysicarpushamosus*Edgew.	Fabaceae	Herb
46	*Alysicarpuslongifolius*(RottlerexSpreng.)Wight&Arn.	Fabaceae	Herb
47	*Alysicarpusmonilifer*(L.)DC.	Fabaceae	Herb
48	*Alysicarpusscariosus*(RottlerexSpreng.)Graham	Fabaceae	Herb
49	*Alysicarpusvaginalis*(L.)DC	Fabaceae	Herb
50	*Amaranthusspinosus*L.	Amaranthaceae	Herb
51	*Ammanniabaccifera*L.	Lythraceae	Herb
52	*Ammanniamultiflora*Roxb.	Lythraceae	Herb
53	*Ammanniaoctandra*L.f.	Lythraceae	Herb
54	*Amorphophalluspaeoniifolius*(Dennst.)Nicolson.	Araceae	Herb
55	*Ampelocissuslatifolia*(Roxb.)Planch.	Vitaceae	Climber
56	*Anacardiumoccidentale*L.	Anacardaceae	AvenueTree
57	*Anamirtacocculus*(L.)Wight&Arn.	Menispermaceae	Climber
58	*Andrographisechioides*(L.)Nees.	Acanthaceae	Herb
59	*Andrographispaniculata*(Burm.f.)Nees	Acanthaceae	Herb
60	*Anisomelesindica*(L.)Kuntze	Lamiaceae	Herb
61	*Annonareticulata*L.	Annonaceae	AvenueTree
62	*Annonasquamosa*L.	Annonaceae	NaturalTree
63	*Antidesmaacidum*Retz	Phyllanthaceae	NaturalTree
64	*Antidesmaghaesembilla*Gaertn	Phyllanthaceae	NaturalTree
65	*Apludamutica*L.	Poaceae	Grass
66	*Aponogetonnatans*(L.)Engl.&K.Krause.	Aponogetonaceae	Herb
67	*Ardisiasolanacea*Roxb.	Primulaceae	Shrub
68	*Argemonemexicana*L.	Papaveraceae	Herb
69	*Argyreiacymosa*(Roxb.)Sweet.	Convolvulaceae	Climber
70	*Argyreianervosa*(Burm.f.)Bojer	Convolvulaceae	Climber
71	*Argyreiasericea*Dalzell&A.Gibson.	Convolvulaceae	Climber
72	*Arisaematortuosum*(Wall.)Schott	Araceae	Herb
73	*Aristidaadscensionis*L.	Poaceae	Grass
74	*Aristidahystrix*L.f.	Poaceae	Grass
75	*Aristidasetacea*Retz	Poaceae	Grass
76	*Aristolochiabracteolata*Lam.	Aristolochiaceae	Climber

77	*Aristolochiaindica*L.	Aristolochiaceae	Climber
78	*Artabotryshexapetalus*(L.f.)Bhandari.	Annonaceae	Climber
79	*Arthraxonlancifolius*(Trin.)Hochst.	Poaceae	Grass
80	*Arthraxonhispidus*(Thunb.)Makino	Poaceae	Grass
81	*Artocarpusheterophyllus*Lam	Moraceae	AvenueTree
82	*Arundinellapumila*(Hochst.exA.Rich.)Steud.	Poaceae	Grass
83	*Arundinellasetosa*Trin.	Poaceae	Grass
84	*Arundinellaciliata*(Roxb.)NeesexMiq	Poaceae	Grass
85	*Arundodonax*L.	Poaceae	Shrub
86	*Asparagusracemosus*Willd.	Asparagaceae	Climber
87	*Aspidopteryscordata*(B.HeyneexWall.)A.Juss.	Apocynaceae	Climber
88	*Aspidopterysindica*(Willd.)W.Theob.	Apocynaceae	Climber
89	*Aspidopteryscordata*(B.HeyneexWall.)A.Juss	Malpighiaceae	Climber
90	*Azadirachtaindica*A.Juss.	Meliaceae	NaturalTree
91	*Azanzalampas*(Cav.)Alef.	Malvaceae	Shrub
92	*Bacopamonnieri*(L.)Wettst.	Plantaginaceae	Climber
93	*Balanitesaegyptiaca*(L.)Delile	Zygophyllaceae	NaturalTree
94	*Baliospermumsolanifolium*(Burm.)Suresh	Euphorbiaceae	Herb
95	*Bambusabambos*(L.)Voss.	Poaceae	Bamboo
96	*Barleriagibsonii*Dalzell.	Acanthaceae	Herb
97	*Barlerialongiflora*L.f.	Acanthaceae	Herb
98	*Barleriastrigosa*Willd.	Acanthaceae	Herb
99	*Barleriacristata*L.	Acanthaceae	Herb
100	*Barleriaprionitis*L.	Acanthaceae	Herb
101	*Barringtoniaacutangula*(L.)Gaertn.	Lecythidaceae	NaturalTree
102	*Basellaalba*L.	Basellaceae	Climber
103	*Basilicumpolystachyon*(L.)Moench.	Lamiaceae	Herb
104	*Bauhiniapurpurea*L.	Fabaceae	AvenueTree
105	*Bauhiniaracemosa*Lam.	Fabaceae	NaturalTree
106	*Begoniapicta*Sm.	Begoniaceae	Herb
107	*Benkaramalabarica*(Lam.)Tirveng.	Rubiaceae	NaturalTree
108	*Bergiaammannioides*Roxb.	Elatinaceae	Herb
109	*Bergiacapensis*L.	Elatinaceae	Herb
110	*Bidensbiternata*(Lour.)Merr.&Sherff.	Asteraceae	Herb
111	*Biophytumreinwardtii*(Zucc.)Klotzsch	Oxalidaceae	Herb
112	*Biophytumsensitivum*(L.)DC.	Oxalidaceae	Herb
113	*Bixaorellana*L.	Bixaceae	AvenueTree
114	*Blainvilleaacmella*(L.)Philipson	Asteraceae	Herb
115	*Blepharisintegrifolia*(L.f.)E.Mey.&DrègeexSchinz.	Acanthaceae	Climber
116	*Blepharismaderaspatensis*(L.)B.HeyneexRoth.	Acanthaceae	Climber
117	*Blumeafistulosa*(Roxb.)Kurz	Asteraceae	Herb
118	*Blumeamembranacea*DC.	Asteraceae	Herb
119	*Blumeamollis*(D.Don)Merr.	Asteraceae	Herb
120	*Blumeaoxyodonta*DC.	Asteraceae	Herb

121	*Blumeavirens*DC.	Asteraceae	Herb
122	*Blumealacera*(Burm.f.)DC	Asteraceae	Herb
123	*Blysmusrufus*(Huds.)Link	Cyperaceae	Sedge
124	*Boerhaviacrispa*F.HeyneexHook.f.	Nyctaginaceae	Herb
125	*Boerhaviadiffusa*L.	Nyctaginaceae	Herb
126	*Bolboschoenusmaritimus*(L.)Palla	Cyperaceae	Sedge
127	*Bombaxceiba*L.	Bombacaceae	NaturalTree
128	*Bonnayaciliata*(Colsm.)Spreng	Linderniaceae	Herb
129	*Boswelliaserrata*Roxb.	Burseraceae	NaturalTree
130	*Bothriochloaglabra*(Roxb.)A.Camus	Poaceae	Grass
131	*Bouffordiadichotoma*(Willd.)H.Ohashi&K.Ohashi(Desmodiumdichotomum)	Fabaceae	Herb
132	*Brachiariaramosa*(L.)Stapf	Poaceae	Grass
133	*Brachypterumscandens*(Roxb.)Wight&Arn.exMiq .*(Derrisscandens)*	Fabaceae	Climber
134	*Breyniaretusa*(Dennst.)Alston	Phyllanthaceae	Shrub
135	*Brideliamontana*(Roxb.)Willd	Phyllanthaceae	Shrub
136	*Brideliaretusa*(L.)A.Juss.	Phyllanthaceae	NaturalTree
137	*Buchananiaaxillaris*(Desr.)Ramamoorthy	Anacardiaceae	NaturalTree
138	*Buchnerahispida*Buch.-Ham.exD.Don	Orobanchaceae	Herb
139	*Buddlejaasiatica*Lour.	Scrophulariaceae	Shrub
140	*Bulbostylisbarbata*(Rottb.)C.B.Clarke	Cyperaceae	Sedge
141	*Bulbostylisdensa*(Wall.)Hand.-Mazz.	Cyperaceae	Sedge
142	*Buteasuperba*Roxb.exWilld.	Fabaceae	Climber
143	*Buteamonosperma*(Lam.)Taub.	Fabaceae	NaturalTree
144	*Butomopsislatifolia*(D.Don)Kunth	Alismataceae	Herb
145	*Byttneriaherbacea*Roxb	Malvaceae	Herb
146	*Cadabafruticosa*(L.)Druce.	Capparaceae	Climber
147	*Caesuliaaxillaris*Roxb.	Asteraceae	Herb
148	*Cajanusscarabaeoides*(L.)Thouars.	Fabaceae	Climber
149	*Callicarpatomentosa(L.)L.*	*Lamiaceae*	NaturalTree
150	*Calotropisgigantea*(L.)Dryand	*Apocynaceae*	Shrub
151	*Calotropisprocera*(Aiton)W.T.Aiton	Apocynaceae	Shrub
152	*Camoneavitifolia(Burm.f.)A.R.Simões&Staples*	Convolvulaceae	Climber
153	*Canavaliaensiformis*(L.)DC.	Fabaceae	Climber
154	C*anavaliagladiata*(Jacq.)DC.	Fabaceae	Climber
155	*Canscoradiffusa*(Vahl)R.Br.exRoem.&Schult.	Gentianaceae	Herb
156	*Canscoraheteroclita*(L.)Gilg	Gentianaceae	Herb
157	*Canscorapaucifiora*Dalzell.	Gentianaceae	Herb
158	*Cansjerarheedei*J.F.Gmel.	Opiliaceae	Climber
159	*Canthiumcoromandelicum*(Burm.f.)Alston	Rubiaceae	NaturalTree
160	*Capillipediumassimile*(Steud.)A.Camus	Poaceae	Grass
161	*Capparissepiaria*L.	Capparaceae	Climber
162	*Cappariszeylanica*L.	Capparaceae	Climber
163	*Carallumaadscendens*(Roxb.)R.Br.	Apocynaceae	Herb

164	*Cardiospermumhalicacabum*L.	Sapindaceae	Climber
165	*Carexcruciata*Wahlenb.	Cyperaceae	Sedge
166	CareyaarboreaRoxb.	Lecythidaceae	NaturalTree
167	CasearíatomentosaRoxb.	Salicaceae	NaturalTree
168	*Cassiafistula*L.	Fabaceae	NaturalTree
169	*Cassythafiliformis*L.	Lauraceae	Climber
170	*Catharanthuspusillus*(Murray)G.Don	Apocynaceae	Herb
171	*Catunaregamspinosa*(Thunb.)Tirveng.	Rubiaceae	NaturalTree
172	*Causonistrifolia*(L.)Mabb.&J.Wen.	Capparaceae	Climber
173	*Cayratiapedata*(Lam.)Juss.exGagnep.	Vitaceae	Climber
174	*Ceibapentandra*(L.)Gaertn.	Bombacaceae	AvenueTree
175	*Celastruspaniculatus*Willd.	Celastraceae	Climber
176	*Celosiaargentea*L.	Amaranthaceae	Herb
177	CeltistimorensisSpan.	Cannabaceae	NaturalTree
178	*Cenchrusciliaris*L.	Poaceae	Grass
179	*Cenchruspedicellatus*(Trin.)Morrone	Poaceae	Grass
180	*Cenchruspurpureus*(Schumach.)Morrone	Poaceae	Grass
181	*Centellaasiatica*(L.)Urb.	Umbelliferae	Climber
182	*Centellaasiatica*(L.)Urb.	Apiaceae	Herb
183	*Centothecalappacea*(L.)Desv.	Poaceae	Grass
184	*Centrantheraindica*(L.)Gamble	Orobanchaceae	Herb
185	*Ceriscoidesturgida*(Roxb.)Tirveng.	Rubiaceae	NaturalTree
186	*Ceropegiabulbosa*Roxb.	Apocynaceae	Herb
187	Chionanthusmala-elengi(Dennst.)P.S.Green	Oleaceae	NaturalTree
188	*Chlorisradiata*(L.)Sw.	Poaceae	Grass
189	*Chlorophytumarundinaceum*Baker.	Asparagaceae	Herb
190	*Chlorophytumtuberosum*(Roxb.)Baker	Asparagaceae	Herb
191	*Chloroxylonswietenia*DC.	Rutaceae	NaturalTree
192	*Chromolaenaodorata*(L.)R.M.King&H.Rob.	Asteraceae	Shrub
193	*Chrozophoraplicata*(Vahl)A.Juss.exSpreng.	Euphorbiaceae	Herb
194	*Chrozophorarottleri*(Geiseler)Spreng.	Euphorbiaceae	Herb
195	*Chrysopogonzizanioides*(L.)Roberty	Poaceae	Grass
196	*Chrysopogonfulvus*(Spreng.)Chiov.	Poaceae	Grass
197	*Chukrasiatabularis*A.Juss.	Meliaceae	AvenueTree
198	*Cipadessabaccifera(Roxb.exRoth)Miq.*	*Meliaceae*	NaturalTree
199	*Cissampelospareira*L.	Menispermaceae	Climber
200	*Cissusquadrangularis*L	Vitaceae	Herb
201	*Cissusrepanda*(Wight&Arn.)Vahl	Vitaceae	Herb
202	*Cissusvitiginea*L.	Vitaceae	Herb
203	*Cissusvitiginea*L.	Vitaceae	Climber
204	*Citrulluscolocynthis*(L.)Schrad.	Cucurbitaceae	Climber
205	*Cleistanthuscollinus(Roxb.)Benth.exHook.f.*	*Phyllanthaceae*	NaturalTree
206	*Clematisgouriana*Roxb.exDC.	Ranunculaceae	Climber
207	*Clematiszeylanica*(L.)Poir.	Ranunculaceae	Climber

208	*Cleomeaspera*J.KoenigexDC	Cleomaceae	Herb
209	*Cleomechelidonii*L.f.	Cleomaceae	Herb
210	*Cleomefelina*L.f.	Cleomaceae	Herb
211	*Cleomegynandra*L.	Cleomaceae	Herb
212	*Cleomeviscosa*L	Cleomaceae	Herb
213	*Clerodendruminfortunatum*L	Lamiaceae	Shrub
214	*Clitoriaternatea*L.	Fabaceae	Climber
215	*Cocciniagrandis*(L.)Voigt.	Cucurbitaceae	Climber
216	*Cocculushirsutus*(L.)W.Theob.	Menispermaceae	Climber
217	*Cochlospermumreligiosum(L.)Alston*	*Bixaceae*	NaturalTree
218	*Coixlacryma-jobi*L.	Poaceae	Grass
219	*Coldeniaprocumbens*L.	Boraginaceae	Herb
220	*Colebrookeaoppositifolia*Sm.	Lamiaceae	Shrub
221	*Coleusstrobilifer*(Roxb.)A.J.Paton	Lamiaceae	Herb
222	*Colocasiaesculenta*(L.)Schott	Araceae	Herb
223	*Combretumdecandrum*Jacq.	Combretaceae	Climber
224	*Commelinaerecta*L	Commelinaceae	Herb
225	*Commelinabenghalensis*L	Commelinaceae	Herb
226	*Commicarpuschinensis*(L.)Heimerl.	Nyctaginaceae	Herb
227	*Convolvulusarvensis*L.	Convolvulaceae	Climber
228	*Convolvulusprostratus*Forssk.	Convolvulaceae	Climber
229	*Corallocarpusepigaeus*(Rottler)Hook.f.	Cucurbitaceae	Climber
230	*Corchorusolitorius*L.	Tiliaceae	Herb
231	*Corchorusaestuans*L.	Tiliaceae	Herb
232	*Corchoruscapsularis*L	Malvaceae	Herb
233	*Cordiadichotoma*G.Forst.	Boraginaceae	NaturalTree
234	Cordiamacleodii(Griff.)Hook.f.&Thomson	Boraginaceae	NaturalTree
235	*Cosmosbipinnatus*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	*Cratevamagna*(Lour.)DC	Capparaceae	NaturalTree
240	*Crinumasiaticum*L.	Amaryllidaceae	Herb
241	*Crinumlatifolium*L.	Amaryllidaceae	Herb
242	*Crotalariaalbida*B.HeyneexRoth	Fabaceae	Herb
243	*Crotalariaramosissima*Roxb	Fabaceae	Herb
244	*Crotalariaretusa*L.	Fabaceae	Herb
245	*Crotalariaspectabilis*Roth.	Fabaceae	Herb
246	*Crotalariacalycina*Schrank	Fabaceae	Herb
247	*Crotalariahebecarpa*(DC.)Rudd	Fabaceae	Herb
248	*Crotalariaverrucosa*L.	Fabaceae	Herb
249	Croton*bonplandianus*Baill.	Euphorbiaceae	Herb
250	*Cryptocoryneretrospiralis*(Roxb.)Kunth.	Araceae	Herb

251	*Cryptolepisbuchananii*R.Br.exRoem.&Schult.	Apocynaceae	Climber
252	*Cryptolepisdubia*(Burm.f.)M.R.Almeida.	Apocynaceae	Climber
253	*Cryptostegiagrandiflora*Roxb.exR.Br.	Apocynaceae	Climber
254	*Cucumismaderaspatanus*L.(*Mukia*maderaspatana(L.)M.Roem.)	Cucurbitaceae	Climber
255	*Cucumissetosus*Cogn.	Cucurbitaceae	Climber
256	*Curculigoorchioides*Gaertn	Hypoxidaceae	Herb
257	*Curcumaaromatica*Salisb.	Zingiberaceae	Herb
258	*Curcumapseudomontana*J.Graham.	Zingiberaceae	Herb
259	*Cyanotisaxillaris*(L.)D.DonexSweet	Commelinaceae	Herb
260	*Cyanotiscristata*(L.)D.Don	Commelinaceae	Herb
261	*Cyanotistuberosa*(Roxb.)Schult.&Schult.f.	Commelinaceae	Herb
262	*Cyathoclinepurpurea*(Buch.-Ham.exD.Don)Kuntze.	Asteraceae	Herb
263	Cymbidiumaloifolium(L.)Sw.	Orchidaceae	EpiphyticHerb
264	*Cymbopogoncitratus*(DC.)Stapf	Poaceae	Grass
265	*Cymbopogonmartini*(Roxb.)W.Watson	Poaceae	Grass
266	*Cynanchumannularium*(Roxb.)Liede&Khanum.	Apoocynaceae	Climber
267	*Cynodonradiatus*Roth	Poaceae	Grass
268	*Cynodondactylon*(L.)Pers.	Poaceae	Grass
269	*Cynoglossumlanceolatum*Forssk	Boraginaceae	Herb
270	*Cyperusalbescens*(Steud.)Larridon&Govaerts	Cyperaceae	Sedge
271	*Cyperusalulatus*J.Kern	Cyperaceae	Sedge
272	*Cyperusarticulatus*L.	Cyperaceae	Sedge
273	*Cyperusbipartitus*Torr.	Cyperaceae	Sedge
274	*Cyperuscephalotes*Vahl	Cyperaceae	Sedge
275	*Cyperuscompactus*Retz.	Cyperaceae	Sedge
276	*Cyperuscyperinus*(Retz.)Valck.Sur.	Cyperaceae	Sedge
277	*Cyperuscyperoides*(L.)Kuntze	Cyperaceae	Sedge
278	*Cyperusdenudatus*L.f.	Cyperaceae	Sedge
279	*Cyperusdifformis*L.	Cyperaceae	Sedge
280	*Cyperusflavidus*Retz.	Cyperaceae	Sedge
281	*Cyperusfuscus*L.	Cyperaceae	Sedge
282	*Cyperushortensis*(Salzm.exSteud.)Dorr	Cyperaceae	Sedge
283	*Cyperusimbricatus*Retz.	Cyperaceae	Sedge
284	*Cyperusiria*L.	Cyperaceae	Sedge
285	*Cyperuslaevigatus*L.	Cyperaceae	Sedge
286	*Cyperusmalaccensis*Lam.	Cyperaceae	Sedge
287	*Cyperusniveus*Retz.	Cyperaceae	Sedge
288	*Cyperusnutans*var.*eleusinoides*(Kunth)Haines	Cyperaceae	Sedge
289	*Cyperusnutans*var.*nutans*	Cyperaceae	Sedge
290	*Cyperuspangorei*Rottb.	Cyperaceae	Sedge
291	*Cyperuspilosus*Vahl	Cyperaceae	Sedge
292	*Cyperuspolystachyos*Rottb.	Cyperaceae	Sedge
293	*Cyperuspumilus*L.	Cyperaceae	Sedge

294	*Cyperusrotundus*L.	Cyperaceae	Sedge
295	*Cyperussanguinolentus*Vahl	Cyperaceae	Sedge
296	*Cyperussquarrosus*L.	Cyperaceae	Sedge
297	*Cyperusstrigosus*L.	Cyperaceae	Sedge
298	*Cyperustenuispica*Steud.	Cyperaceae	Sedge
299	*Cyperusthunbergii*Vahl	Cyperaceae	Sedge
300	*Cyphostemmaauriculatum*(Roxb.)P.Singh&B.V.Shetty.	Cucurbitaceae	Climber
301	*Cyrtococcumoxyphyllum*(Hochst.exSteud.)Stapf	Poaceae	Grass
302	*Dactylocteniumaegyptium*(L.)Willd.	Poaceae	Grass
303	*Dalbergialanceolaria*L.f.	Fabaceae	NaturalTree
304	*Dalbergialatifolia*Roxb.	Fabaceae	NaturalTree
305	*Dalbergiasissoo*DC.	Fabaceae	NaturalTree
306	*Daturainnoxia*Mill.	Solanaceae	Herb
307	*Delonixregia*(Hook.)Raf.	Fabaceae	AvenueTree
308	*Dendrobiummacrostachyum*Lindl.	Orchidaceae	EpiphyticHerb
309	*Dendrocalamusstrictus*(Roxb.)Nees.	Poaceae	Bamboo
310	*Dendrophthoefalcata*(L.f.)Ettingsh.	Loranthaceae	EpiphyticHerb
311	*Dendrophthoefalcata*(L.f.)Ettingsh	Lorathaceae	Climber
312	*Dentellarepens*(L.)J.R.Forst.&G.Forst.	Rubiaceae	Herb
313	*Dentellarepens*var.*serpyllifolia*(Wall.exCraib)Verdc	Rubiaceae	Herb
314	*Dichanthiumannulatum*(Forssk.)Stapf	Poaceae	Grass
315	*Dichanthiumcaricosum*(L.)A.Camus	Poaceae	Grass
316	*Dichanthiumfoveolatum*(Delile)Roberty	Poaceae	Grass
317	*Dichrostachyscinerea*(L.)Wight&Arn.	Fabaceae	NaturalTree
318	*Diclipterapaniculata*(Forssk.)I.Darbysh.	Acanthaceae	Herb
319	*Dicomatomentosa*Cass	Asteraceae	Herb
320	*Didymocarpuspygmaeus*C.B.Clarke.	Gesneriaceae	Herb
321	*Digeramuricata*(L.)Mart.	Amaranthaceae	Herb
322	*Digitariaabyssinica*(Hochst.exA.Rich.)Stapf	Poaceae	Grass
323	*Digitarialongiflora*(Retz.)Pers.	Poaceae	Grass
324	*Digitariaabludens*(Roem.&Schult.)Veldkamp	Poaceae	Grass
325	*Dilleniaindica*L.	Dilleniaceae	NaturalTree
326	*Dilleniapentagyna*Roxb.	Dilleniaceae	NaturalTree
327	*Dimeriaconnivens*Hack.	Poaceae	Grass
328	*Dimeriaornithopoda*Trin	Poaceae	Grass
329	*Dinebrachinensis*(L.)P.M.Peterson&N.Snow	Poaceae	Grass
330	*Dinebraretroflexa*(Vahl)Panz	Poaceae	Grass
331	*Dioscoreabulbifera*L.	Dioscoreaceae	Climber
332	*Dioscoreahispida*Dennst.	Dioscoreaceae	Climber
333	*Dioscoreaoppositifolia*L.	Dioscoreaceae	Climber
334	*Dioscoreapentaphylla*L.	Dioscoreaceae	Climber
335	*Diospyrosmalabarica(Desr.)Kostel*	*Ebenaceae*	NaturalTree
336	*DiospyrosmelanoxylonRoxb.*	Ebenaceae	NaturalTree

337	*DiospyrosmontanaRoxb.*	*Ebenaceae*	NaturalTree
338	*Diospyroschloroxylon*Roxb.	Ebenaceae	NaturalTree
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	*Dodonaeaviscosa*Jacq.	*Sapindaceae*	Shrub
345	*Dolichandroneatrovirens(Roth)K.Schum.*	Bignoniaceae	NaturalTree
346	*Dolichandronefalcata*(Wall.exDC.)Seem.	Bignoniaceae	NaturalTree
347	*Dopatriumjunceum*(Roxb.)Buch.-Ham.exBenth	Plantaginaceae	Herb
348	*Drimiaindica*(Roxb.)Jessop.	Asparagaceae	Herb
349	*Droseraburmanni*Vahl.	Droseraceae	Herb
350	*Droseraindica*L.	Droseraceae	Herb
351	*Dyschoristevagans*(Wight)Kuntze.	Acanthaceae	Herb
352	*Echinochloacolonum*(L.)Link	Poaceae	Grass
353	*Echinochloacrus-galli*(L.)P.Beauv.	Poaceae	Grass
354	*Echinopsechinatus*Roxb.	Asteraceae	Herb
355	*Ecliptaprostrata*(L.)L.	Asteraceae	Herb
356	*Ehretialaevis*Roxb.	Boraginaceae	NaturalTree
357	*Elaeodendronglaucum*(Rottb.)Pers.	Celastraceae	Shrub
358	*Eleiotissororia*(L.)DC.	Fabaceae	Climber
359	*Eleocharisacutangula*(Roxb.)Schult.	Cyperaceae	Sedge
360	*Eleocharisatropurpurea*(Retz.)J.Presl&C.Presl	Cyperaceae	Sedge
361	*Eleochariscongesta*D.Don	Cyperaceae	Sedge
362	*Eleocharisdulcis*(Burm.f.)Trin.exHensch.	Cyperaceae	Sedge
363	*Eleocharisgeniculata*(L.)Roem.&Schult.	Cyperaceae	Sedge
364	*Eleocharisretroflexa*(Poir.)Urb.	Cyperaceae	Sedge
365	*Elephantopusscaber*L.	Asteraceae	Herb
366	*Eleusineindica*(L.)Gaertn.	Poaceae	Grass
367	*Elytrariaacaulis*(L.f.)Lindau	Acanthaceae	Herb
368	*Elytrophorusspicatus*(Willd.)A.Camus	Poaceae	Grass
369	*Emiliascabra*DC	Asteraceae	Herb
370	*Emiliasonchifolia*(L.)DC.	Asteraceae	Herb
371	*Endosamararacemosa*(Roxb.)R.Geesink.	Fabaceae	Climber
372	*Enicostemaaxillare*(Poir.exLam.)A.Raynal	Gentianaceae	Herb
373	*Enteropogondolichostachyus*(Lag.)Keng	Poaceae	Grass
374	*Eragrostiellabrachyphylla*(Stapf)Bor	Poaceae	Grass
375	*Eragrostiellabifaria*(Vahl)Bor	Poaceae	Grass
376	*Eragrostisciliaris*(L.)R.Br.	Poaceae	Grass
377	*Eragrostisgangetica*(Roxb.)Steud.	Poaceae	Grass
378	*Eragrostisjaponica*(Thunb.)Trin.	Poaceae	Grass
379	*Eragrostisminor*Host	Poaceae	Grass
380	*Eragrostispilosa*(L.)P.Beauv.	Poaceae	Grass

381	*Eragrostistenella*(L.)P.Beauv.exRoem.&Schult.	Poaceae	Grass
382	*Eragrostistenuifolia*(A.Rich.)Hochst.exSteud.	Poaceae	Grass
383	*Eragrostisunioloides*(Retz.)NeesexSteud.	Poaceae	Grass
384	*Eranthemumpurpurascens*WightexNees	Acanthaceae	Herb
385	*Eriolaenahookeriana*Wight&Arn.	Malvaceae	NaturalTree
386	*Eriolaenaquinqueloculari*s(Wight&Arn.)Drury	Malvaceae	NaturalTree
387	*Erioscirpuscomosus*(Wall.)Palla	Cyperaceae	Sedge
388	*Erycibepaniculata*Roxb.	Convolvulaceae	Climber
389	ErythrinaabyssinicaLam.	Fabaceae	NaturalTree
390	ErythroxylummonogynumRoxb.	Erythroxylaceae	NaturalTree
391	*Eucalyptusglobulus*Labill.	Myrtaceae	AvenueTree
392	*Eulaliafastigiata*(NeesexSteud.)Haines	Poaceae	Grass
393	*Eulaliopsisbinata*(Retz.)C.E.Hubb.	Poaceae	Grass
394	EuphorbiaantiquorumL.	Euphorbiaceae	NaturalTree
395	*Euphorbiahirta*L.	Euphorbiaceae	Herb
396	EuphorbianivuliaBuch.-Ham.	Euphorbiaceae	NaturalTree
397	EuphorbiatirucalliL.	Euphorbiaceae	NaturalTree
398	*Evolvulusalsinoides*(L.)L.	Convolvulaceae	Herb
399	*Evolvulusnummularius*(L.)L.	Convolvulaceae	Climber
400	FicusamplissimaSm.	Moraceae	NaturalTree
401	*Ficuselmeri*Merr.	Moraceae	NaturalTree
402	*Ficushispida*L.f.	Moraceae	NaturalTree
403	*Ficusracemosa*L.	Moraceae	NaturalTree
404	*Ficusrumphii*Blume	Moraceae	NaturalTree
405	*Ficustinctoria*subsp.*gibbosa*(Blume)Corner.	Moraceae	Shrub
406	*Ficusbenghalensis*L.	Moraceae	NaturalTree
407	*Ficusbenjamina*L.	Moraceae	AvenueTree
408	*Ficusmollis*Vahl	Moraceae	NaturalTree
409	*Ficusreligiosa*L.	Moraceae	AvenueTree
410	*Ficusvirens*Aiton	Moraceae	NaturalTree
411	*Fimbristylisaestivalis*(Retz.)Vahl	Cyperaceae	Sedge
412	*Fimbristylisalboviridis*C.B.Clarke	Cyperaceae	Sedge
413	*Fimbristylisargentea*(Rottb.)Vahl	Cyperaceae	Sedge
414	*Fimbristylisbisumbellata*(Forssk.)Bubani	Cyperaceae	Sedge
415	*Fimbristyliscymosa*R.Br.	Cyperaceae	Sedge
416	*Fimbristylisdichotoma*(L.)Vahl	Cyperaceae	Sedge
417	*Fimbristylisfalcata*(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	NaturalTree
423	*Firmianasimplex*(L.)W.Wight	Malvaceae(=Sterculiaceae)	NaturalTree
424	*Flacourtiaindica*(Burm.f.)Merr.	Salicaceae	NaturalTree

425	*Flueggealeucopyrus*Willd.	Euphorbiaceae	Shrub
426	*Fuirenaciliaris*(L.)Roxb.	Cyperaceae	Sedge
427	*Galactiastriata*var.*villosa*(Wight&Arn.)Verdc.	Fabaceae	Climber
428	*Gardeniagummifera*L.f.	Rubiaceae	Shrub
429	*GardenialatifoliaAiton*	Rubiaceae	NaturalTree
430	*GardeniaresiniferaRoth*	Rubiaceae	NaturalTree
431	*GarugapinnataRoxb.*	Burseraceae	NaturalTree
432	*Getoniafloribunda*Roxb.	Combretaceae	Climber
433	*Gliricidiasepium*(Jacq.)Walp.	Fabaceae	AvenueTree
434	*GlochidionvelutinumWight*	Phyllanthaceae	NaturalTree
435	*Glochidionzeylanicum(Gaertn.)A.Juss.*	Phyllanthaceae	NaturalTree
436	*Gloriosasuperba*L.	Colchicaceae	Climber
437	*Glossocardiabosvallia*(L.f.)DC	Asteraceae	Herb
438	*Glycosmispentaphylla(Retz.)DC*	Rutaceae	NaturalTree
439	*GmelinaarboreaRoxb.exSm.*	Verbenaceae	NaturalTree
440	*GmelinaasiaticaL.*	Verbenaceae	NaturalTree
441	*Gomphrenaserrata*L	Amaranthaceae	Herb
442	*Gonostegiapentandra*(Roxb.)Miq.	Urticaceae	Herb
443	*Gouanialeptostachya*DC.	Rhamnaceae	Climber
444	*Grewiaasiatica*L.	Tiliaceae	NaturalTree
445	*Grewiaflavescens*Juss.	Malvaceae	Shrub
446	*Grewiahirsuta*Vahl	*Malvaceae*	Shrub
447	*Grewiarothii*DC.	Malvaceae	Shrub
448	*Grewiatiliifolia*Vahl.	Malvaceae	Shrub
449	*Grewiatiliifolia*Vahl	Tiliaceae	NaturalTree
450	*Gronaheterocarpos*(L.)H.Ohashi&K.Ohashi.	Fabaceae	Herb
451	*Gronaheterophylla*(Willd.)H.Ohashi&K.Ohashi	Fabaceae	Herb
452	*Guilandinabonduc*L.=(*Caesalpiniabonduc*(L.)Roxb.)	Fabaceae	Climber
453	*Gymnemasylvestre*(Retz.)R.Br.exSm.	Apocynaceae	Climber
454	*Gymnosporiasenegalensis*(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	*Handroanthusimpetiginosus*(Mart.exDC.)Mattos	Bignoniaceae	AvenueTree
460	*Hardwickiabinata*Roxb.	Fabaceae	NaturalTree
461	*Helicteresisora*L.	*Malvaceae*	Shrub
462	*Heliotropiumindicum*L.	Boraginaceae	Herb
463	*Hemarthriacompressa*(L.f.)R.Br.	Poaceae	Grass
464	*Hemidesmusindicus*(L.)R.Br.,W.T.Aiton	Apocynaceae	Climber
465	*Heptapleurumdigitatum*(G.DonexLoudon)Lowry&G.M.Plunkett	Araliaceae	Shrub
466	*Heterophragmaquadriloculare*(Roxb.)K.Schum.	Bignoniaceae	NaturalTree
467	*Heteropogoncontortus*(L.)P.Beauv.exRoem.&Schult.	Poaceae	Grass

468	*Hewittiamalabarica*(L.)Suresh.,D.H.Nicolson,C.R.Suresh&K.S.Manilal	Convolvulaceae	Climber
469	*Hibiscuslobatus*(Murray)Kuntze	Malvaceae	Herb
470	*Hibiscustiliaceus*L.	Malvaceae	AvenueTree
471	*Hibiscusvitifolius*L.	Malvaceae	Shrub
472	*Hiptagebenghalensis*(L.)Kurz.	Malpighiaceae	Climber
473	*Holarrhenapubescens*Wall.exG.Don	Apocynaceae	NaturalTree
474	*Holopteleaintegrifolia*Planch.	Ulmaceae	NaturalTree
475	*Homonoiariparia*Lour.	Euphorbiaceae	Shrub
476	*Hoppeadichotoma*Willd.	Gentianaceae	Herb
477	*Huberanthacerasoides*(Roxb.)Chaowasku	Annonaceae	NaturalTree
478	*Hydrillaverticillata*(L.f.)Royle.	Hydrocharitaceae	Herb
479	*Hydroleazeylanica*(L.)Vahl	Hydroleaceae	Herb
480	*Hygrophilaauriculata*(Schumach.)Heine	Acanthaceae	Herb
481	*Hygrophilapolysperma*(Roxb.)T.Anderson	Acanthaceae	Herb
482	*Hygrophilaserpyllum*(Nees)T.Anderson.	Acanthaceae	Herb
483	*Hymenodictyonorixense*(Roxb.)Mabb.	Rubiaceae	NaturalTree
484	*Ichnocarpusfrutescens*(L.)W.T.Aiton.	Apocynaceae	Climber
485	*Imperatacylindrica*(L.)Raeusch.	Poaceae	Grass
486	*Indigoferaastragalina*DC	Fabaceae	Herb
487	*Indigoferacassioides*RottlerexDC.	Fabaceae	Shrub
488	*Indigoferaglabra*L.	Fabaceae	Herb
489	*Indigoferalinifolia*(L.f.)Retz.	Fabaceae	Herb
490	*Indigoferanummulariifolia*(L.)LiveraexAlston.	Fabaceae	Herb
491	*Indigoferatinctoria*L.	Fabaceae	Herb
492	*Indigoferatrifoliata*L.	Fabaceae	Herb
493	*Indigoferaglandulosa*Wendl	Fabaceae	Herb
494	*Iphigeniaindica*(L.)A.GrayexKunth	Colchicaceae	Herb
495	*Iphigeniapallida*Baker.	Colchicaceae	Herb
496	*Ipomoeaaquatica*Forssk.	Convolvulaceae	Climber
497	*Ipomoeabarlerioides*(Choisy)Benth.exC.B.Clarke.	Convolvulaceae	Climber
498	*Ipomoeacarnea*subsp.*fistulosa*(Mart.exChoisy)D.F.Austin.	Convolvulaceae	Shrub
499	*Ipomoeacoptica*(L.)Roth.	Convolvulaceae	Climber
500	*Ipomoeaeriocarpa*R.Br.	Convolvulaceae	Climber
501	*Ipomoeahederifolia*L.	Convolvulaceae	Climber
502	*Ipomoeamuricata*(L.)Jacq.(*Ipomoeaturbinata*Lag.)	Convolvulaceae	Climber
503	*Ipomoeanil*(L.)Roth.	Convolvulaceae	Climber
504	*Ipomoeaobscura*(L.)KerGawl.	Convolvulaceae	Climber
505	*Ipomoeapes-tigridis*L.	Convolvulaceae	Climber
506	*Ipomoeaquamoclit*L.,Sp.Pl.:159(1753)	Convolvulaceae	Climber
507	*Isachneglobosa*(Thunb.)Kuntze	Poaceae	Grass
508	*Iseilemaanthephoroides*Hack.	Poaceae	Grass
509	*Iseilemajainianum*P.Umam.&P.Daniel	Poaceae	Grass

510	*Iseilemaprostratum*(L.)Andersson	Poaceae	Grass
511	*Ixorapavetta*Andr.	Rubiaceae	NaturalTree
512	*Jacarandamimosifolia*D.Don	Bignoniaceae	AvenueTree
513	*Jacquemontiapaniculata*(Burm.f.)Hallierf.	Convolvulaceae	Climber
514	*Jasminummultiflorum*(Burm.f.)Andrews.	Oleaceae	Shrub
515	*Jatrophacurcas*L	Euphobiaceae	NaturalTree
516	*Jatrophagossypiifolia*L.	Euphorbiaceae	Shrub
517	*Justiciaglauca*Rottler	Acanthaceae	Herb
518	*Justiciaadhatoda*L.	Acanthaceae	Herb
519	*Kaempferiagalanga*L	Zingiberaceae	Herb
520	*Knoxiasumatrensis*(Retz.)DC	Rubiaceae	Herb
521	*KydiacalycinaRoxb*.	Malvaceae	NaturalTree
522	*Kyllingatricep*sRottb.	Cyperaceae	Sedge
523	*Lablabpurpureus*(L.)Sweet.	Fabaceae	Climber
524	*Lagasceamollis*Cav	Asteraceae	Herb
525	*Lagerstroemiareginae*Roxb.	Lythraceae	AvenueTree
526	*Lagerstroemiaparviflora*Roxb	Lythraceae	NaturalTree
527	*Lanneacoromandelica*(Houtt.)Merr.	Anacardiaceae	NaturalTree
528	*Lantanacamara*L.	*Lamiaceae*	Shrub
529	*Launaeaacaulis*(Roxb.)Babc.exKerr	Asteraceae	Herb
530	*Launaeaprocumbens*(Roxb.)Ramayya&Rajagopal.	Asteraceae	Herb
531	*Lavandulabipinnata*(Roth)Kuntze.	Lamiaceae	Herb
532	*Lawsoniainermis*L.	*Lythraceae*	Shrub
533	*Leeaasiatica*(L.)Ridsdale	Vitaceae	Shrub
534	*Leeaindica*(Burm.f.)Merr.	Vitaceae	Shrub
535	*Leeamacrophylla*Roxb.exHornem.	Vitaceae	Shrub
536	*Leersiahexandra*Sw.	Poaceae	Grass
537	*Leonotisnepetifolia*(L.)R.Br.	Lamiaceae	Herb
538	*Lepidagathiscristata*Willd	Acanthaceae	Herb
539	*Lepidagathisfasciculata*(Retz.)Nees	Acanthaceae	Herb
540	*LepidagathisincurvaBuch*.-Ham.exD.Don	Acanthaceae	Herb
541	*Lepidagathistrinervis*Nees.	Acanthaceae	Herb
542	Lepisanthestetraphylla(Vahl)Radlk	Sapindaceae	NaturalTree
543	*Leptadeniareticulata*(Retz.)Wight&Arn.	Apocynaceae	Climber
544	*Leucaenaleucocephala*(Lam.)deWit	Fabaceae	AvenueTree
545	*Leucasaspera*(Willd.)Link	Lamiaceae	Herb
546	*Leucasbiflora*(Vahl)Sm.	Lamiaceae	Herb
547	*Leucascephalotes*(Roth)Spreng	Lamiaceae	Herb
548	*Leucasmartinicensis*(Jacq.)R.Br	Lamiaceae	Herb
549	*Leucaszeylanica*(L.)W.T.Aiton.	Lamiaceae	Herb
550	*Limnophilaaromatica*(Lam.)Merr.	Plantaginaceae	Herb
551	*Limnophilaheterophylla*(Roxb.)Benth.	Plantaginaceae	Herb
552	*Limnophilaindica*(L.)Druce	Plantaginaceae	Herb
553	*Limnophilarugosa*(Roth)Merr.	Plantaginaceae	Herb

554	*Limnophytonobtusifolium*(L.)Miq	Alismataceae	Herb
555	*Limoniaacidissima*Groff	Rutaceae	NaturalTree
556	*Lindenbergiaindica*(L.)Vatke	Orobanchaceae	Herb
557	*Litseamonopetala*(Roxb.)Pers	Lauraceae	NaturalTree
558	*Lobeliaalsinoides*Lam.	Campanulaceae	Herb
559	*Lophopogontridentatus*(Roxb.)Hack.	Poaceae	Grass
560	*Ludwigiaoctovalvis*(Jacq.)P.H.Raven	Onagraceae	Herb
561	*Ludwigiaperennis*L.	Onagraceae	Herb
562	*Ludwigiahyssopifolia*(G.Don)Exell	Onagraceae	Herb
563	*Luffaacutangula(L.)*Roxb.	Cucurbitaceae	Climber
564	*Lysimachiaovalis*(Ruiz&Pav.)U.Manns&Anderb	Primulaceae	Herb
565	*Macarangacuspidata*BoivinexBaill.	Euphorbiaceae	NaturalTree
566	*Madhucalongifolia*var.*latifolia*(Roxb.)A.Chev	Sapotaceae	NaturalTree
567	*Maeruaoblongifolia*(Forssk.)A.Rich.	Capparaceae	Climber
568	*Magnoliachampaca*(L.)Baill.exPierre	Magnoliaceae	NaturalTree
569	*Malachracapitata*(L.)L	Malvaceae	Herb
570	*Mallotusnudiflorus*(L.)Kulju&Welzen	Euphorbiaceae	NaturalTree
571	*Mallotusphilippensis*(Lam.)Müll.Arg.	Euphorbiaceae	NaturalTree
572	*Malvastrumcoromandelianum*(L.)Garcke	Malvaceae	Herb
573	*Mangiferaindica*L.	Anacardiaceae	AvenueTree
574	*Manilkarahexandra*(Roxb.)Dubard	Sapotaceae	NaturalTree
575	*Martyniaannua*L.	Martyniaceae	Herb
576	*Mazuspumilus*(Burm.f.)Steenis	Mazaceae	Herb
577	*Mecardoniaprocumbens*(Mill.)Smal	Scrophulariaceae	Herb
578	*Medicagopolymorpha*L	Fabaceae	Herb
579	*Melanocenchrisjacquemontii*Jaub.&Spach	Poaceae	Grass
580	*Meliaazedarach*L.	Meliaceae	AvenueTree
581	*Melilotusalbus*Medik	Fabaceae	Herb
582	*Melochiacorchorifolia*L	Malvaceae	Herb
583	*Memecylonumbellatum*Burm.f.	Melastomataceae	NaturalTree
584	*Merremiaemarginata*(Burm.f.)Hallierf.	Convolvulaceae	Climber
585	*Merremiahederacea*(Burm.f.)Hallierf.	Convolvulaceae	Climber
586	*Mesosphaerumsuaveolens*(L.)Kuntze.	Lamiaceae	Herb
587	*Microcarpaeaminima*(Retz.)Merr.	Phrymaceae	Herb
588	*Microchloaindica*(L.f.)P.Beauv.	Poaceae	Grass
589	*Microstegiumvimineum*(Trin.)A.Camus	Poaceae	Grass
590	*Miliusatomentosa*(Roxb.)J.Sinclair	Annonaceae	NaturalTree
591	*Miliusavelutina*(A.DC.)Hook.f.&Thomson	Annonaceae	NaturalTree
592	*MimosahamataWilld*	Fabaceae	Shrub
593	*Mimosapudica*L	Fabaceae	Herb
594	*Mimusopselengi*L.	Sapotaceae	AvenueTree
595	*Mitragynaparvifolia*(Roxb.)Korth	Rubiaceae	NaturalTree
596	*Mitrasacmeprolifera*R.Br.	Loganiaceae	Herb

597	*Mitreolapetiolata*(J.F.Gmel.)Torr.&A.Gray	Loganiaceae	Herb
598	*Momordicadioica*Roxb.exWilld.	Cucurbitaceae	Climber
599	*Moorochloaeruciformis*(Sm.)Veldkamp	Poaceae	Grass
600	*Morindacitrifolia*L.	Rubiaceae	NaturalTree
601	*Morindapubescens*Sm.	Rubiaceae	NaturalTree
602	*Moringaoleifera*Lam	Moringaceae	AvenueTree
603	*Mucunapruriens*(L.)DC.	Fabaceae	Climber
604	*Munduleasericea*(Willd.)A.Chev.	Fabaceae	NaturalTree
605	*Murdanniaedulis*(Stokes)Faden	Commelinaceae	Herb
606	*Murdannianudiflora*(L.)Brenan	Commelinaceae	Herb
607	*Murdanniaspirata*(L.)G.Brückn	Commelinaceae	Herb
608	*Murrayapaniculata*(L.)Jack	Rutaceae	NaturalTree
609	*Naringicrenulata*(Roxb.)Nicolson	Rutaceae	NaturalTree
610	*Nelumbonucifera*Gaertn	Nelumbonaceae	Herb
611	*Neolamarckiacadamba*(Roxb.)Bosser	Rubiaceae	AvenueTree
612	*Nepetahindostana*(B.HeyneexRoth)Haines	Lamiaceae	Herb
613	*Nerviliainfundibulifolia*Blatt.&McCann.	Orchidaceae	Herb
614	*Nerviliaplicata*(Andrews)Schltr.	Orchidaceae	Herb
615	*Nicandraphysalodes*(L.)Gaertn.	Solanaceae	Herb
616	*Nicotebabetonica*(L.)Lindau	Acanthaceae	Herb
617	*Nyctanthesarbor-tristis*L.	Oleaceae	NaturalTree
618	*Nymphaeanouchali*Burm.f.	Nymphaeaceae	Herb
619	*Nymphaearubra*Roxb.ex-Andrews	Nymphaeaceae	Herb
620	*Nymphoideshydrophylla*(Lour.)Kuntze	Menyanthaceae	Herb
621	*Oberoniafalconeri*Hook.f.	Orchidaceae	EpiphyticHerb
622	*Ochnaobtusata*DC.	Ochnaceae	NaturalTree
623	*Ocimumamericanum*L.	Lamiaceae	Herb
624	*Olaxscandens*Roxb.	Olacaceae	Climber
625	*Oligochaetadivaricata*(DC.)K.Koch	Asteraceae	Herb
626	*Operculinaturpethum*(L.)SilvaManso.	Convolvulaceae	Climber
627	*Oplismenuscompositus*(L.)P.Beauv.	Poaceae	Grass
628	*Oplismenusburmannii*(Retz.)P.Beauv.	Poaceae	Grass
629	*Opuntiaelatior*Mill.	Cactaceae	Shrub
630	*Oropetiumroxburghianum*(Schult.)S.M.Phillips	Poaceae	Grass
631	*Oropetiumthomaeum*(L.f.)Trin	Poaceae	Grass
632	*Oroxylumindicum*(L.)Kurz	Bignoniaceae	NaturalTree
633	*Orthosiphonrubicundus*(D.Don)Benth	Lamiaceae	Herb
634	*Oryzarufipogon*Griff.	Poaceae	Grass
635	*Osbeckiamuralis*Naudin	Melastomatacea	Herb
636	*Otteliaalismoides*(L.)Pers	Hydrocharitaceae	Herb
637	*Ougeiniaoojeinensis*(Roxb.)Hochr.	Fabaceae	NaturalTree
638	*Ouretsanguinolenta*(L.)Kuntze	Amaranthaceae	Herb
639	*Oxaliscorniculata*L	Oxalidiaceae	Herb
640	*Oxystelmaesculentum*(L.f.)Sm.	Apocynaceae	Climber

641	*Pancratiumtriflorum*Roxb	Amaryllidaceae	Herb
642	*Paramollugonudicaulis*(Lam.)Thulin	*Molluginaceae*	Herb
643	*Parasopubiadelphiniifolia(L.)H.-P.Hofm.&Eb.Fisch*	Orobanchaceae	Herb
644	*Parkinsoniaaculeata*L.	Fabaceae	Shrub
645	*Partheniumhysterophorus*L.	Asteraceae	Herb
646	*Paspalumscrobiculatum*L.	Poaceae	Grass
647	*PassiflorafoetidaL.*	Passifloraceae	Climber
648	*Pavettacanescens*DC.*(Pavettatomentosa)*	Rubiaceae	NaturalTree
649	*Pavettacrassicaulis*Bremek.	Rubiaceae	Shrub
650	*Pavoniazeylanica*(L.)Cav	Malvaceae	Herb
651	*Peltophorumpterocarpum*(DC.)K.Heyne	Fabaceae	AvenueTree
652	*Peperomiapellucida*(L.)Kunth	Piperaceae	Herb
653	*Pergulariadaemia*(Forssk.)Chiov.	Apocynaceae(=Asclepiadaceae)	Climber
654	*Peristyluslawii*Wight	Orchidaceae	Herb
655	*Perotisindica*(L.)Kuntze	Poaceae	Grass
656	*Persicariaglabra*(Willd.)M.Gómez	Polygonaceae	Herb
657	*Petalidiumbarlerioides*(B.HeyneexRoth)Nees	Acanthaceae	Herb
658	*Phaneraroxburghiana*(Voigt)Bandyop.,Anand	Fabaceae	NaturalTree
659	*Phaneravahlii*(Wight&Arn.)Benth.	Fabaceae	Climber
660	*Phaulopsisimbricata*(Forssk.)Sweet	Acanthaceae	Herb
661	*Phoenixacualis*Roxb.	Arecaceae	Shrub
662	*Phoenixsylvestris*(L.)Roxb.	Arecaceae	NaturalTree
663	*Phragmiteskarka*(Retz.)Trin.exSteud.	Poaceae	Grass
664	*Phylanodiflora*(L.)Greene.	Verbenaceae	Climber
665	*Phyllanthusamarus*Schumach.&Thonn.	Phyllanthaceae	Herb
666	PhyllanthusemblicaL.	Phyllanthaceae	NaturalTree
667	*Phyllanthusmaderaspatensis*L.	Phyllanthaceae	Herb
668	*Phyllanthusreticulatus*Poir	*Phyllanthaceae*	Shrub
669	*Phyllodiumpulchellum*(L.)Desv.	Fabaceae	Herb
670	*Physalisangulata*L.	Solanaceae	Herb
671	*Pigeaenneasperma*(L.)P.I.Forst.	Violaceae	Herb
672	*Piliostigmamalabaricum*(Roxb.)Benth.	Fabaceae	AvenueTree
673	*Pimpinellaheyneana*(DC.)Benth.&Hook.f.	Apiaceae	Herb
674	*Pistiastratiotes*L.	Araceae	Herb
675	*Platostomahispidum*(L.)A.J.Paton	Lamiaceae	Herb
676	*Pleurolobusgangeticus*(L.)	Fabaceae	Herb
677	*Plumbagozeylanica*L.	Plumbaginaceae	Herb
678	*Plumeriarubra*L.	Apocynaceae	AvenueTree
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	NaturalTree
684	*Polyalthialongifolia*(Sonn.)Thwaites	Annonaceae	AvenueTree
685	*Polycarpaeacorymbosa*(L.)Lam.	Caryophyllaceae	Herb
686	*Polycarponprostratum*(Forssk.)Asch.&Schweinf	Caryophyllaceae	Herb
687	*Polygalaarvensis*Willd.	Polygalaceae	Herb
688	*Polygalaerioptera*DC	Polygalaceae	Herb
689	*Polygalapersicariifolia*DC.	Polygalaceae	Herb
690	*Polygonumplebeium*R.Br.	Polygonaceae	Herb
691	*Polytocagigantea*(J.Koenig)Mabb.	Poaceae	Grass
692	*Polytriasindica*(Houtt.)Veldkamp	Poaceae	Grass
693	*Pongamiapinnata*(L.)Pierre	Fabaceae	AvenueTree
694	*Pontederiacrassipes*Mart.	Pontederiaceae	Herb
695	*Pontederiavaginalis*Burm.f.	Pontederiaceae	Herb
696	*Portulacaquadrifida*L.	Portulacaceae	Herb
697	*Potamogetoncrispus*L.	Potamogetonaceae	Herb
698	*Prosopiscineraria*(L.)Druce	Fabaceae	NaturalTree
699	*Prosopisjuliflora*(Sw.)DC.	Fabaceae	AvenueTree
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	*Psidiumguajava*L.	Myrtaceae	AvenueTree
706	PsydraxdicoccosGaertn.	Rubiaceae	NaturalTree
707	*Pterocarpusmarsupium*Roxb.	Fabaceae	NaturalTree
708	*Puerariatuberosa*(Roxb.exWilld.)DC.	Fabaceae	Climber
709	*Pulicariafoliolosa*DC	Asteraceae	Herb
710	*Pupalialappacea*(L.)Juss.	Amaranthaceae	Herb
711	*Putranjivaroxburghii*Wall.	Putranjivaceae	NaturalTree
712	*Radermacheraxylocarpa*(Roxb.)Roxb.exK.Schum	Bignoniaceae	NaturalTree
713	*Rauvolfiaserpentina*(L.)Benth.exKurz	Apocynaceae	Herb
714	*Rhynchosiabracteata*Benth.exBaker	Fabaceae	Climber
715	*Rhynchosiaminima*(L.)DC.	Fabaceae	Climber
716	*Rhynchosporaberteroi*(Spreng.)C.B.Clarke	Cyperaceae	Sedge
717	*Rhynchosporarubra*(Lour.)Makino	Cyperaceae	Sedge
718	*Riveahypocrateriformis*(Desr.)Choisy.	Convolvulaceae	Climber
719	*Rottboelliacochinchinensis*(Lour.)Clayton	Poaceae	Grass
720	*Rotulaaquatica*Lour.	Boraginaceae	Shrub
721	*Rubiacordifolia*L.	Rubiaceae	Climber
722	*Ruelliapatula*Jacq.	Acanthaceae	Herb
723	*Ruelliaprostrata*Poir.	Acanthaceae	Herb
724	*Saccharumspontaneum*L.	Poaceae	Shrub
725	*Sacciolepisindica*(L.)Chase	Poaceae	Grass

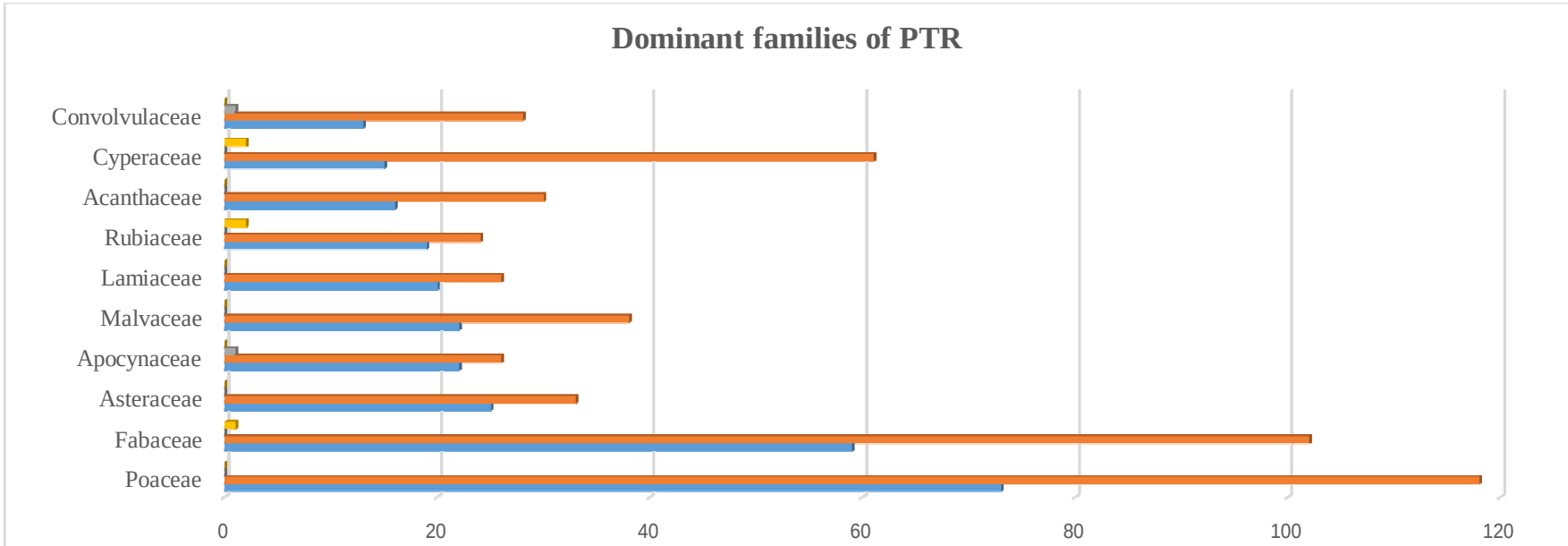
726	*Sacciolepisinterrupta*(Willd.)Stapf	Poaceae	Grass
727	*Santalumalbum*L.	Santalaceae	NaturalTree
728	*Sapindusemarginatus*Vahl	Sapindaceae	AvenueTree
729	*Saracaasoca*(Roxb.)Willd	Fabaceae	AvenueTree
730	*Schizachyriumbrevifolium*(Sw.)NeesexBuse	Poaceae	Grass
731	*Schleicheraoleosa*(Lour.)Merr.	Sapindaceae	NaturalTree
732	*Schoenefeldiagracilis*Kunth	Poaceae	Grass
733	*Schoenoplectiellaarticulata*(L.)Lye	Cyperaceae	Sedge
734	*Schoenoplectiellajuncoides*(Roxb.)Lye	Cyperaceae	Sedge
735	*Schreberaswietenioides*Roxb.	Oleaceae	NaturalTree
736	*Scleriabiflora*Roxb.	Cyperaceae	Sedge
737	*Sclerialithosperma*(L.)Sw.	Cyperaceae	Sedge
738	*Scopariadulcis*L.	Plantaginaceae	Herb
739	*Searsiamysorensis*(G.Don)Moffett	Anacardiaceae	Shrub
740	*Sehimanervosa*(Rottler)Stapf	Poaceae	Grass
741	*Semecarpusanacardium*L.f	Anacardiaceae	NaturalTree
742	Senegaliacatechu(L.f.)P.J.H.Hurter&Mabb	Fabaceae	NaturalTree
743	*Senegaliachundra*(Roxb.exRottler)Maslin	Fabaceae	NaturalTree
744	Senegaliapennata(L.)Maslin.	Fabaceae	Climber
745	*Senegaliatorta*(Roxb.)Maslin	Fabaceae	Climber
746	*Sennaalata*(L.)Roxb.	Fabaceae	Shrub
747	*Sennatora*(L.)Roxb.	Fabaceae	Herb
748	*Sennauniflora*(Mill.)H.S.Irwin&Barneby	Fabaceae	Herb
749	*Sennaoccidentalis*(L.)Link	Fabaceae	Herb
750	*Sennasiamea*(Lam.)H.S.Irwin&Barneby	Fabaceae	AvenueTree
751	*Setariaflavida*(Retz.)Veldkamp	Poaceae	Grass
752	*Setariaintermedia*Roem.&Schult.	Poaceae	Grass
753	*Setariaitalica*(L.)P.Beauv.	Poaceae	Grass
754	*Setariaparviflora*(Poir.)Kerguélen	Poaceae	Grass
755	*Setariapunctata*(Burm.f.)Veldkamp	Poaceae	Grass
756	*Setariaverticillata*(L.)P.Beauv.	Poaceae	Grass
757	*Setariapumila*(Poir.)Roem.&Schult.	Poaceae	Grass
758	*Sidaacuta*Burm.f.	Malvaceae	Herb
759	*Sidacordata*(Burm.f.)Borss.Waalk.	Malvaceae	Herb
760	*Smilaxperfoliata*Lour.	Smilacaceae	Climber
761	*Smilaxzeylanica*L.	Smilacaceae(=Liliaceae)	Climber
762	*Sohmaealaxiflora*(DC.)H.Ohashi&K.Ohashi.	Fabaceae	Herb
763	*Solanumvirginianum*L.	Solanaceae	Herb
764	*Solenaamplexicaulis*(Lam.)Gandhi	Cucurbitaceae	Climber
765	*Sorghumnitidum*(Vahl)Pers.	Poaceae	Grass
766	*Soymidafebrifuga*(Roxb.)A.Juss.	Meliaceae	NaturalTree
767	*Spathodeacampanulata*P.Beauv.	Bignoniaceae	AvenueTree
768	*Spermacoceariculari*sL.f.	Rubiaceae	Herb
769	SpermacoceocymoidesBurm.f	Rubiaceae	Herb

770	SpermacocepusillaWall.	Rubiaceae	Herb
771	*Sphaeranthusindicus*L.	Asteraceae	Herb
772	*Spodiopogonrhizophorus*(Steud.)Pilg.	Poaceae	Grass
773	*Spondiaspinnata*(L.f.)Kurz	Anacardiaceae	NaturalTree
774	*Sporobolusdiandrus*(Retz.)P.Beauv.	Poaceae	Grass
775	*Sporoboluspectinellus*Mez	Poaceae	Grass
776	*Stapfochloaelata*(Desv.)P.M.Peterson	Poaceae	Grass
777	*Stephanotisvolubilis*(L.f.)S.Reuss,Liede&Meve	Apocynaceae	Climber
778	*Sterculiavillosa*Roxb.exSm.	Sterculiaceae	NaturalTree
779	*Sterculiafoetida*L.	Malvaceae(=Sterculiaceae)	AvenueTree
780	*Stereospermumcolais*(Buch.-Ham.exDillwyn)Mabb.	Bignoniaceae	NaturalTree
781	*Streblusasper*Lour	Moraceae	NaturalTree
782	*Strigadensiflora*(Benth.)Benth.	Orobanchaceae	Herb
783	Strigaangustifolia(D.Don)C.J.Saldanha	Orabanchaceae	Herb
784	*Strobilanthespavala*(Roxb.)J.R.I.Wood	Acanthaceae	Herb
785	*Strychnosnux-vomica*L.	Loganiaceae	NaturalTree
786	*Strychnospotatorum*L.f.	Loganiaceae	NaturalTree
787	*Stylosanthesfruticosa*(Retz.)Alston	Fabaceae	Herb
788	*Symphoremainvolucratum*Roxb.	Lamiaceae	Climber
789	*Syzygiumsalicifolium*J.Graham*(*	Myrtaceae	NaturalTree
790	*Syzygiumcumini*(L.)Skeels	Myrtaceae	AvenueTree
791	*Tabebuiarosea*(Bertol.)BerteroexA.DC.	Bignoniaceae	AvenueTree
792	*Tabebuiaaurea*(SilvaManso)Benth.&Hook.f.exS.Moore	Bignoniaceae	AvenueTree
793	*Tamarindusindica*L.	Fabaceae	NaturalTree
794	*Tamilnadiauliginosa*(Retz.)Tirveng.&Sastre	Rubiaceae	NaturalTree
795	*Tarennaasiatica*(L.)KuntzeexK.Schum	Rubiaceae	NaturalTree
796	*Tectonagrandis*L.f.	Lamiaceae	NaturalTree
797	*Telosmapallida*(Roxb.)Craib	Apocynaceae	Climber
798	*Tephrosiavillosa*(L.)Pers.	Fabaceae	Herb
799	*Tephrosiapurpurea*(L.)Pers	Fabaceae	Herb
800	*Teramnusmollis*(L.f.)Spreng.	Fabaceae	Climber
801	*Terminaliaanogeissiana*Gere&Boatwr.	Combretaceae	NaturalTree
802	*Terminaliaphillyreifolia*(VanHeurck&Müll.Arg.)	Combretaceae	NaturalTree
803	*Terminaliaarjuna*(Roxb.exDC.)Wight&Arn.	Combretaceae	NaturalTree
804	*Terminaliabellirica*Wall.	Combretaceae	NaturalTree
805	*Terminaliacatappa*L.	Combretaceae	AvenueTree
806	*Terminaliachebula*Retz.	Combretaceae	NaturalTree
807	*Terminaliaelliptica*willd.	Combretaceae	NaturalTree
808	*Tetrapilusdioicus*(Roxb.)L.A.S.Johnson*(Oleadioica)*	Oleaceae	NaturalTree
809	*Thelepogonelegans*Roth	Poaceae	Grass
810	*Themedalaxa*(Andersson)A.Camus	Poaceae	Grass
811	*Themedaquadrivalvis*(L.)Kuntze	Poaceae	Grass

812	*Themedatriandra*Forssk.	Poaceae	Grass
813	*Thespesiapopulnea(L.)Sol.exCorrêa*	Malvaceae	AvenueTree
814	*Thunbergiafragrans*Roxb.	Acanthaceae	Climber
815	*Thunbergiagrandiflora*Roxb.	Acanthaceae	Climber
816	*Tiliacoraacuminata*(Lam.)Miers	Manispermaceae	Climber
817	*Tinosporacordifolia*(Willd.)Hook.f.&Thomson.	Menispermaceae	Climber
818	*Toreniaanagallis*(Burm.f.)Wannan,W.R.Barker& Y.S.Liang.	Linderniaceae	Herb
819	*Toreniacrustacea(L.)Cham.&Schltdl.*	Linderniaceae	Herb
820	*Tragiainvolucrata*L.	Euphorbiaceae	Climber
821	*Tragusmongolorum*Ohwi	Poaceae	Grass
822	*Tremaorientale*(L.)Blume	Cannabaceae	NaturalTree
823	*Tribulusterrestris*L.	Zygophyllaceae	Herb
824	*Trichosanthescucumerina*L.	Cucurbitaceae	Climber
825	*Trichosanthestricuspidata*Lour.	Cucurbitaceae	Climber
826	*Trichuriellamonsoniae*(L.f.)Bennet	Amaranthaceae	Herb
827	*Tridaxprocumbens*(L.)L.	Asteraceae	Herb
828	*Trigastrothecapentaphylla*(L.)Thulin	Molluginaceae	Herb
829	*Tripogonbromoides*Roem.&Schult.	Poaceae	Grass
830	*Tripogoncapillatus*Jaub.&Spach	Poaceae	Grass
831	*Tripogonjacquemontii*Stapf	Poaceae	Grass
832	*Tripogonpurpurascens*Duthie	Poaceae	Grass
833	*Typhaangustifolia*L.	Typhaceae	Shrub
834	*Urenalobata*L.	Malvaceae	Herb
835	*Urochloapanicoides*P.Beauv.	Poaceae	Grass
836	*Urochloaramosa*(L.)T.Q.Nguyen	Poaceae	Grass
837	*Urochloasetigera*(Retz.)Stapf	Poaceae	Grass
838	*Vachellialeucophloea*(Roxb.)Maslin,Seigler&Ebinger	Fabaceae	NaturalTree
839	*Vachellianilotica*(L.)P.J.H.Hurter&Mabb	Fabaceae	NaturalTree
840	*Vandatessellata*(Roxb.)Hook.exG.Don	Orchidaceae	EpiphyticHerb
841	*Ventilagodenticulata*Willd.	Rhamnaceae	Climber
842	*Ventilagomadraspatana*Gaertn.	Rhamnaceae	Climber
843	*Vicoaindica(L.)DC.*	Asteraceae	Herb
844	*Vignaaconitifolia*(Jacq.)Maréchal.	Fabaceae	Climber
845	*Vignaumbellata*(Thunb.)Ohwi&H.Ohashi	Fabaceae	Climber
846	*Vincetoxicumfasciculatum*(Buch.-Ham.exWight)Kuntze	Apocynaceae	Climber
847	*Vincetoxicumindicum*(Burm.f.)Mabb.	Apocynaceae	Climber
848	*Vitexaltissima*L.f.	Lamiaceae	NaturalTree
849	*Vitexnegundo*L.	Lamiaceae	NaturalTree
850	*Volkameriainermis*L.	Lamiaceae	Shrub
851	*Woodfordiafructicosa*(L.)Kurz	*Lythraceae*	Shrub
852	*Wrightiaarborea*(Dennst.)Mabb.	Apocynaceae	NaturalTree
853	*Wrightiatinctoria*subsp.*rothii*(G.Don)Ngan	Apocynaceae	NaturalTree
854	*Xenostegiatridentata*(L.)D.F.Austin&Staples	Convolvulaceae	Climber

855	*Ximeniaamericana*L.	Salicaceae	Shrub
856	*Xyliaxylocarpa*(Roxb.)W.Theob.	Fabaceae	NaturalTree
857	*Yamazakiaviscosa*(Hornem.)W.R.Barker,Y.S.Liang&Wannan.	Linderniaceae	Herb
858	*Ziziphusnummularia*(Burm.f.)Wight&Arn.	Rhamnaceae	Shrub
859	*Ziziphusoenopolia*(L.)Mill.	Rhamnaceae	Climber
860	*Ziziphusjujuba*Mill.	Rhamnaceae	NaturalTree
861	*Ziziphusrugosa*Lam.	Rhamnaceae	NaturalTree
862	*Ziziphusxylopyrus*(Retz.)Willd	Rhamnaceae	NaturalTree
863	*Zorniadiphylla*(L.)Pers.	Fabaceae	Herb

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. 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 MudumalaiForestF Reserve, India, while 996 species were found in a 52 ha area at Lambir, Malaysia [7]. 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[17], 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 [25]. Similarly, in Nallamalais, a large-scale floristic assessment in 88 ha resulted in 729 herb species and 249 tree species(3), while the Sheshachalam hill ranges featured 222 tree species [1]. 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 speciesand16 genera,Convolvulaceaewith28 speciesand13 genera, Apocynaceaewith26 speciesand22 genera,Lamiaceaewith26 speciesand20 genera, andRubiaceaewith24 speciesand19 genera. Among these families, five recorded varieties, with Rubiaceae and Cyperaceae each having2 varieties, while Fabaceae, Apocynaceae, and Convolvulaceae each recorded1 variety. Additionally,ApocynaceaeandConvolvulaceaerecorded1 sub-speciesin each family. A similar study conducted by Mastan and Reddy, recorded87 families, with Fabaceae emerging as the species-rich family, comprising61 species (13%), which include37 herbs,14 vines,6 trees, and4 lianas. The Fabaceae family also includes the largest genus, Crotalaria, comprising9 species, followed byIndigoferawith8 species, and both Rhynchosia and Desmodium endowed with7 specieseach. Euphorbiaceae ranked as the second most dominant family with42 species, followed byAcanthaceaewith37 species [17].



	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

Fig1:DominantfamiliesofPenchTigerReserve, Maharashtra, India

4. CONCLUSION

ThestudyconductedinPenchTigerReserve,Maharashtra,underscoresthecriticalimportanceofcomprehensivebiodiversityinventoriesinunderstandingandconservingtropicalforestecosystems.Despiteglobalandregionaleffortsinconservation,challengessuchasdeforestation,habitatfragmentation,andclimatechangecontinuetothreatenbiodiversity.Bymeticulouslycatalogingthenativeflora,thisresearchcontributesvaluablebaselinedata,essentialforfutureecologicalstudies,environmentalassessments,andeffectiveconservationstrategies.Thedetaileddocumentationofspeciesdiversityhighlightstheintricaterelationshipswithintheseecosystemsandemphasizestheneedforsustainablemanagementpractices.Ultimately,thisworkservesasafoundationforfurtherecologicalresearchandunderscorestheurgentneedforintegratedstrategiestopreservethesebiodiversehabitats.

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