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**TENTATIVE DETERMINATION KEY TO 600
TREES, SHRUBS AND CLIMBERS FROM
THE IVORY COAST, AFRICA, MAINLY
BASED ON CHARACTERS OF THE LIVING
BARK, BESIDES THE RHYTIDOME AND
THE LEAF**

I. LARGE TREES

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1. INTRODUCTION AND ACKNOWLEDGEMENTS

All the species dealt with in this study were collected in the Ivory Coast, Africa by VERSTEEGH and DEN OUTER in 1969.

Although most collecting areas are near the main roads, a sufficient allround impression of the forest situation could be obtained because smaller or larger forested areas are often within reach of the road. Only those trees, shrubs and climbers which were flowering or fruiting in secondary forest-areas, mangrove and the savanna were examined. A few were collected in old plantations.

One of the reasons to make the collection was to prepare a determination key kept as simple as possible, based on field characters and particularly those of the bark. The total number of considered species is 593, viz.: 144 trees with a dbh of more than 25 cm, 180 trees with a dbh of less than 25 cm, 152 shrubs and 117 climbers. Part I deals with large trees, part II with small trees, part III with shrubs and part IV with climbers.

It is strongly emphasized that the key can be used only when fresh bark is available. In a number of cases bark alone was not sufficient to distinguish the species and then also leaves were taken into account. There are always some old fallen leaves in the neighbourhood of the tree, or fresh ones can be obtained. It is recommended to check the short description mainly of the leaf, at the end of the key, after determination of a species has been made.

The glossary of terms used is based on those of ENDERT (1928), JACKSON (1953), LANJOUW (1968), DEN OUTER (1967), VOORHOEVE (1965) and WYATT-SMITH (1952). The final determinations were made by MISS DR. G. J. H. AMSHOFF of the Department of Plant Taxonomy and Plant Geography of the Agricultural University, Wageningen, The Netherlands.

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2. METHODS

Field characters from the standing tree were noted. From a suitable part of the bole, mostly at breast height, a piece of bark with the wood attached to it was cut out with an ax or cutlass. A transverse section of the bark was made with a sharp knife and the characters observed were noted.

Then a small portion of the collected material was kept in a fixation fluid, the biggest portion dry. Both pieces got the same number as the herbarium material. The latter has often been collected after cutting down the tree and later on sent for identification to the herbarium of the Department of Plant Taxonomy and Plant Geography at Wageningen, The Netherlands.

Duplicates were sent to the herbaria at Utrecht and Leiden, The Netherlands. All observations were registered in the field and include the following items: number, date, family, scientific name as far as known to us, collectors, local name, locality, habitat, frequency of occurrence, general form, dimensions (height and dbh);

flower: colour of bud and open flower;

fruit: colour of young and old fruit, general form, dimensions;

roots: buttresses, stilt-roots, aerial-roots, adventitious-roots, pneumatophores;

stem: general form, colour, flakes, flutes, fissures, scales, grooves, rough, smooth;

dead bark: thickness, colour, lenticels;

living bark: thickness, colour tangential outside, colour tangential inside and colour cross section, discolouring, smell, dilatating rays, exudate;

heartwood: thickness, colour, discolouring;

sapwood: thickness, colour, discolouring;

crown: colour, density, shape, short leaf description;

striking characters.

These observations were cut in a punch card. With the help of these cards the determination key was prepared.

3. GLOSSARY OF TERMS USED

acicular	very narrow, stiff and pointed; needle shaped
acuminate	having a gradually diminishing point, drawn out; margin next to the top concave
acute	distinctly and sharply pointed, but not drawn out; margin next to the top straight
alternate	applied to leaves, inserted at different levels along the branch as distinct from opposite and verticillate or whorled
amplexicaule	the base of the leaf-blade embraces the stem
apiculate	ending abruptly in a sharp, short, flexible point
auriculate	having an ear-like lobe or appendage at the base of the leaf-blade
bark	a non-technical term used for woody plants to cover all the tissues outside the cambium. In older trees usually divisible into inner(living), c.f. secondary phloem or bast and outer (dead), c.f. rhytidome
bast	secondary phloem; the inner (living) part of the bark formed by the cambium
bifoliate	a compound leaf, having two leaflets diverge from the same point
bipinnate	when the primary divisions (leaflets) of a pinnate leaf are themselves pinnate
blade	the limb or expanded portion of a leaf or leaflet; blade of the leaf = lamina
bole	the main trunk of a tree, unbranched
buttress	the knee-like or plank-like outgrowth of trunk or roots at the base of the trunk of a tree
cambium	the actively dividing layer of cells, which lies between and gives rise to secondary xylem(wood) and secondary phloem (bast)
caudate	abruptly ending in a long tail-like tip or appendage
compound	the opposite of simple; composed of several similar parts, as a leaf of several leaflets
cordate	heart-shaped; applied to the base of a leaf-blade when it is more or less deeply notched in between rounded lobes and the lamina itself has its widest part below the middle
coriaceous	firm, tough, of the consistence of leather
crenate	independent incisions of the margin of the leaf-blade, sharp in, blunt out
cuneate	wedge-shaped, the base of a leaf-blade when tapering

curvi-nervate	gradually towards the point of attachment midrib straight, major nerves curved, both joining at the base and top of the leaf-blade
dbh	diameter at breast height
decurent	when the edges of the leaf-blade are continued down the petiole and/or stem as raised lines or narrow wings
dependent incisions	incisions of the leaf-blade, changing the general shape of the lamina and always between two nerves or between a nerve and the midrib; e.g.-lobed, -fid, -partite
dentate	independent incisions of the margin of the leaf-blade, blunt in, sharp out
digitate	a compound leaf whose leaflets diverge from the same point, like the fingers of a hand
dilatation	of phloem rays when the ray-parenchyma cells divide in a tangential direction, causing a gradually widening of the rays from the cambium outwards as seen in cross section
distal	remote from the place of attachment; the converse of proximal
distichous	leaves regularly arranged one above another in two opposite rows, one on each side of the branch
drupe	a true, fleshy, one-seeded indehiscent fruit with the seed enclosed in a stony endocarp; stone fruit
echinate	covered with prickles
elliptic	shape of a leaf-blade with the widest part in the middle and with a length: width ratio of about 3 : 2
emarginate	notched at the top
entire	with an even margin, without teeth, lobes etc.
estipulate	without stipules
exudate	the moisture or liquid of the living tissue of many plants which oozes out, usually from the inner bark, when the bark is cut. The exudate can be: clear: transparant gum: viscid and hardening in the air latex: milky juice opaque: not transparant resinous: adhesive, clear and colourless or pale yellow to dark brown or black sticky: latex which is adhesive watery: like water
falcate	curved like a sickle
fid	-fid, a combining form; dependent incisions of the leaf-blade, halfway the nerves; e.g. pinnati-fid, palmati-fid
fissured	see groove

flaky	bark which has large irregular patches or flakes of dead outer bark, more than 7.5 cm long, which become detached (c.f. scaly)
glabrous	devoid of hairs
gland	(1) a secreting structure on the surface or imbedded in the tissue of a leaf, or raised on a small stalk; (2) a warty protuberance or fleshy excrescence
globular	spherical in shape
groove	long narrow hollow trench or channel; (1) fissured: longitudinal grooves with width of the ridges between the grooves at least three times that of the grooves or fissures; (2) fluted: deep, continuous, round-bottomed longitudinal grooves with rounded ridges between them; width of ridge and width of groove approximately equal and each more than 2.5 cm
heartwood	the inner layers of wood which, in the growing tree, have ceased to contain living cells and in which the reserve materials have been removed or converted into heartwood substances; often different in colour from the younger, living, sapwood under the bark (c.f. sapwood)
hirsute	hairy with rather long, distinct, coarse, stiff hairs
imparipinnate	pinnate with a single terminal leaflet
independent incisions	shallow incisions of the margin of the leaf-blade, not changing the general shape of the lamina and independent of the nerves and midrib; e.g. crenate, dentate, serrate, undulate
indumentum	any covering such as hairs, wool, etc.
internode	the portion of the stem between the nodes
interpetiolar stipules	connate stipules placed between the petioles of opposite leaves; one interpetiolar stipule is formed by two stipules belonging to two opposite leaves
interpetiolar ridge	horizontal ridge on the branch between the bases of two opposite petioles
intra	within; intramarginal, placed within the margin near the edge
involute	rolled upwards, towards the upper leaf surface (c.f. revolute)
lamina	see blade
lanceolate	shape of a leaf-blade with the widest part in the middle and a length: width ratio of 3 to 5:1
latex	the milky juice or exudate from laticifers of certain plants
leaf	the principal appendage or lateral organ born by the stem; it is a simple leaf when undivided, a compound leaf when divided into distinct parts

leaflet	the blade or separate division of a compound leaf; secondary leaf
lenticel	a specialized portion of the periderm, variously shaped, but often lenticular, consisting of loosely arranged cells that are never more than slightly suberized
linear	leaf-blade more than 5 times longer as wide with parallel edges; almost flat in cross-section
lobed	-lobed, a combining form; dependent incisions of the leaf-blade, less than half way the nerves; e.g. pinnati-lobed, palmati-lobed
midrib	the principle nerve in the blade
nerves	the principal or more conspicuous ribs of a leaf, which start from the midrib and diverge or branch throughout the blade; the smaller branches are the veins
nut	a true, dry, one-seeded (even if resulting from a compound ovary), indehiscent fruit of which the hard and dry fruit-wall is not attached to the seed-coat
oblong	shape of a leaf-blade with the widest part in the middle and with a length: width ratio of about 5:2
obovate	ovate with the broadest part above the middle; length: width ratio 5:2 to 3:2
obtuse	blunt or rounded at the end
opposite	of leaves or branches when two are born at the same node on opposite sides of the stem
orbicular	orbiculate; flat with a more or less circular outline
ovate	shape of a leaf-blade with the widest part below the middle and egg-shaped but flat; length: width ratio of 5:2 to 3:2
palmate	a simple, palmati-nervate leaf
palmati-nervate	the nerves spreading from one point at the base of the midrib
papilionaceous	applied to flowers with a butterfly-shaped corolla as in the subfamily Papilionaceae
paripinnate	pinnate without a single terminal leaflet
partite	-partite, a combining form; dependent incisions of the leaf-blade more than half way the nerves but not quite to the midrib; e.g. pinnati-partite, palmati-partite
peltate	of a leaf with an orbicular leaf-blade and a petiole attached to its lower-surface instead of to its edge
periderm	the layers of secondary suberized tissue that replace the epidermis as the impermeable covering of older stems
petal	one of the leafy, often coloured expansions in the floral whorl styled the corolla
petiole	the stalk of a leaf
pilose	hairy with rather long, soft, simple hairs

pinna	a primary division of a pinnate or bipinnate leaf; in a pinnate leaf a pinna equals a leaflet, in a bipinnate leaf it equals a secondary rachis with the leaflets attached to it
pinnate	a compound leaf with the leaflets arranged along either side of the common rachis
pinnati-fid	a pinnati-nerved leaf with dependent incisions of the leaf-blade half way the nerves
pinnati-lobed	a pinnati-nerved leaf with dependent incisions of the leaf-blade less than half way the nerves
pinnati-nervate	the nerves appear at different heights on both sides of the midrib
pinnati-partite	a pinnati-nerved leaf with dependent incisions of the leaf-blade more than half way the nerves but not quite to the midrib
pod	a true, dry, many-seeded, dehiscent fruit including (1) a legume, formed by a single carpel, having one compartment, and (2) a siliqua formed by two carpels but divided by a thin, false, partition-wall into two compartments
prickle	a sharp outgrowth of the bark, detachable without tearing the wood (c.f. spine)
proximal	nearer to the place of attachment; the converse of distal
puberulous	minutely pubescent; the hairs short, soft, straight, erect, scarcely visible to the unaided eye
pubescent	covered with short and soft hairs
rachis	(1) a common axis on which the leaflets or pinnae of a compound leaf are inserted; (2) the common axis of an inflorescence
radial section	longitudinal section parallel to the rays
recti-nervate	midrib and nerves straight and parallel to one another over a long distance, but joining at the base and top of the leaf-blade
revolute	rolled down, towards the lower leaf surface (c.f. involute)
rhytidome	the dead outermost part of the bark; often consisting of different periderm layers enclosing pockets of cortical or phloem tissues
rough	of bark with an uneven surface, not caused merely by lenticels or a powdery crust (c.f. smooth), e.g. fissured, flaky, scaly
rugose	covered with wrinkles, small depressions, furrows or ridges
sapwood	the outermost portion of the wood that, in the living tree, contains living cells and reserve materials; often

	distinct in colour from the heartwood (c.f. heartwood)
savanna	xerophilous grassland containing isolated trees
scabrous	scabrid; rough to the touch, usually from the presence of very short, harsh hairs
scaly	bark which has small irregular patches or scales of dead outer bark not more than 7.5 cm long, which become detached (c.f. flaky)
sepal	one of the leafy, often green coloured, expansions of the floral whorl styled the calyx
serrate	independent incisions of the margin of the leaf-blade, sharp in, sharp out
serrulate	serrate with minute teeth
sessile	without stalk
setose	covered with bristles
simple	the opposite of compound; a simple leaf has one blade, not divided into leaflets
slash	the wound in the bark of a tree when cut with a cutlass; the cut is pendendicular to the longitudinal direction of the tree
smooth	of bark which appears smooth from a distance, though it may be bumpy from lenticels, or powdery and even slightly and finely fissured. Most smooth barks are thin (c.f. rough)
spine	a sharp, pointed, hardened outgrowth of the bark and wood, usually a branch or leaf (c.f. prickle)
spinose	having spines
stamen	the male, pollen-bearing organ in the flower, consisting of a filament and an anther
stellate hair	hair with several arms radiating horizontally, like the points of a star
stilt-roots	more or less cylindrical adventitious roots which arise above the ground and enter it at some distance from the base of the trunk
stipellae	two small secondary stipules at the base of a leaflet
stipulate	having stipules
stipules	leaf-like, scale-like, or needle-like appendages of a leaf, usually at the base of the petiole
subulate	ending in a thin, sharp point; awl-shaped, tapering from base to apex
tangential section	longitudinal section perpendicular to the rays
tomentose	densely pubescent; densely covered with short and soft hairs
trifoliate	a compound leaf, having three leaflets diverge from the same point
truncate	appearing as if cut of more or less squarely at the end

undulate	independent incisions of the margin of the leaf-blade blunt in, blunt out; wavy on the margin
unequal-sided	asymmetric; the lateral halves of a leaf-blade dissimilar, especially the base or the base inserted at different heights on the midrib
unifoliate	a compound leaf, having only one leaflet
vein	a strand of vascular tissue in a leaf; the fine branches of the nerves (c.f. nerves any midrib)
verticillate	of leaves in a whorl, or several arising from the same node arranged regularly around the stem
whorl	see verticillate

4. KEY I, LARGE TREES

Tentative determination key based on characters of the living bark of 144 tree species with a dbh of more than 25 cm, from the Ivory Coast, Africa.

With a few exceptions the key is based on a strictly dichotomous principle; each number gives two alternatives a and b and each alternative either leads to a new number or to an identification.

- | | | |
|--|---|----|
| 1. a. Stilt-roots present | | 2 |
| b. Stilt-roots absent | | 3 |
| 2. a. Slash brown | <i>Myrianthus libericus</i> | |
| | <i>Myrianthus arboreus</i> | |
| b. Slash white with spots | <i>Anthocleista nobilis</i> | |
| | <i>Anthocleista vogelii</i> | |
| 3. a. Buttresses present | | 4 |
| b. Buttresses absent | | 19 |
| 4. a. Exudate present | | 5 |
| b. Exudate absent | | 7 |
| 5. a. Exudate colourless | <i>Piptadeniastrum africanum</i> | |
| b. Exudate coloured | | 6 |
| 6. a. Exudate white | <i>Cathormion altissimum</i> | |
| b. Exudate red-brown | <i>Pterocarpus cf. mildbraedii</i> | |
| 7. a. Colour slash pink | | 8 |
| b. Colour slash different | | 9 |
| 8. a. Slash discolouring purple | <i>Entandrophragma angolense</i> | |
| b. Slash discolouring brown | <i>Nesogordonia papaverifera</i> | |
| 9. a. Colour slash white with spots | | 10 |
| b. Colour slash different | | 11 |
| 10. a. Sapwood yellowish | <i>Piptadeniastrum africanum</i> | |
| b. Sapwood white with orange tangential bands | <i>Cassia siamea</i> | |
| 11. a. Colour slash white or grey | | 12 |
| b. Colour slash different | | 14 |
| 12. a. Slash discolouring brown | | 13 |
| b. Slash not discolouring | <i>Combretodendron macrocarpum</i> | |
| 13. a. Bole round to oval in outline | <i>Sterculia tragacantha</i> | |
| b. Bole undulate in outline | <i>Ituridendron bequaertii</i> | |
| 14. a. Colour slash yellow | <i>Lonchocarpus sericeus</i> | |
| b. Colour slash brown | | 15 |
| 15. a. Slash discolouring | | 16 |
| b. Slash not discolouring | | 18 |
| 16. a. Slash discolouring purple | <i>Syzygium guineense</i> var. <i>littorale</i> | |
| b. Slash discolouring brown | | 17 |
| 17. a. Grooves present, smell of slash like cucumber <i>Duboscia viridifolia</i> | | |
| b. Grooves absent, slash without cucumber smell | <i>Xylia evansii</i> | |

37. a. Colour slash yellow or yellow-brown	<i>Dialium aubrevillei</i>	
b. Colour slash different		38
38. a. Colour slash white or grey	<i>Pterocarpus santalinoides</i>	
b. Colour slash red-brown or wine-red		39
39. a. Leaves oblong, opposite, resin ducts present	<i>Allanblackia floribunda</i>	
b. Leaves obovate, alternate, resin ducts absent	cf. <i>Uapaca</i>	
40. a. Colour slash yellow	<i>Mangifera indica</i>	
b. Colour slash different		41
41. a. Colour slash white or grey		42
b. Colour slash different		43
42. a. Slash discolouring brown	<i>Anthostema aubryanum</i>	
b. Slash not discolouring	<i>Manihot glaziovii</i>	
43. a. Colour slash brown		44
b. Colour slash different		45
44. a. Grooves present	<i>Chrysophyllum albidum</i>	
b. Grooves absent	<i>Coula edulis</i>	
45. a. Colour slash red-brown or wine-red		46
b. Colour slash different		48
46. a. Slash discolouring purple	<i>Trichoscypha spec.</i>	
b. Slash not discolouring		47
47. a. Scales present, grooves absent, slash with a special smell	<i>Manilkara spec.</i>	
b. Scales absent, grooves present, slash without any smell	<i>Spondias mombin</i>	
	<i>Mimusops kummel</i>	
48. a. Colour slash white with spots		49
b. Colour slash pink		56
49. a. Scales present		50
b. Scales absent		51
50. a. Grooves present	<i>Rhus succadanea</i>	
b. Grooves absent	<i>Omphalocarpum elatum</i>	
51. a. Grooves present	<i>Alstonia boonei</i>	
b. Grooves absent		52
52. a. Bole with a smooth surface		53
b. Bole without a smooth surface		55
53. a. Colour sapwood white		54
b. Colour sapwood yellowish	<i>Picralima nitida</i>	
54. a. Leaves simple, opposite	<i>Funtumia africana</i>	
b. Leaves digitate, alternate	<i>Hevea brasiliensis</i>	
55. a. Colour sapwood white	<i>Voacanga africana</i>	
b. Colour sapwood brown	<i>Hunteria eburnea</i>	
56. a. Slash discolouring brown	<i>Ficus congesta</i>	
b. Slash not discolouring		57
57. a. Colour outer surface bole reddish-brown	<i>Achras zapota</i>	

18. a.	Bole round to oval in outline; bole smooth, reddish brown . . .	
		<i>Dialium dinklagei</i>
b.	Bole undulate in outline; bole scaly, white-grey	
		<i>Triplochiton scleroxylon</i>
19. a.	Exudate present	20
b.	Exudate absent	60
20. a.	Exudate colourless	21
b.	Exudate coloured	26
21. a.	Colour slash white or grey	<i>Coelocaryon preussii</i>
b.	Colour slash different	22
22. a.	Colour slash brown	23
b.	Colour slash red-brown or wine-red	25
23. a.	Colour slash plain brown	<i>Dacryodes klaineana</i>
b.	Colour slash brown with other colours	24
24. a.	Colour slash pink-brown or white with brown spots; slash smells like gum	<i>Dacryodes klaineana</i>
b.	Colour slash brown with yellow	<i>Albizia adianthifolia</i>
25. a.	Slash discolouring purple	<i>Carapa procera</i>
b.	Slash not discolouring	<i>Spondias mombin</i>
26. a.	Exudate orange	<i>Harungana madagascariensis</i>
b.	Exudate of a different colour	27
27. a.	Exudate yellow	28
b.	Exudate of a different colour	33
28. a.	Colour slash yellow	29
b.	Colour slash different	30
29. a.	Slash discolouring yellow	
		<i>Acacia polyacantha</i> subsp. <i>campylacantha</i>
b.	Slash not discolouring	<i>Allanblackia floribunda</i>
30. a.	Colour slash pink or yellow-pink	<i>Pentadesma butyracea</i>
b.	Colour slash different	31
31. a.	Colour slash white or grey	32
b.	Colour slash brown with yellow, discolouring yellow	
		<i>Acacia polyacantha</i> subsp. <i>campylacantha</i>
32. a.	Bole with rough surface, grooves, reddish brown; slash pink-white; sapwood pink	<i>Mammea africana</i>
b.	Bole with smooth surface, spotted brown-green; slash white; sapwood light yellow	<i>Garcinia kola</i>
33. a.	Exudate red-brown	34
b.	Exudate white	40
34. a.	Colour slash pink	<i>Pseudospondias microcarpa</i>
b.	Colour slash different	35
35. a.	Colour slash green	<i>Dracaena</i> cf. <i>perrotettii</i>
b.	Colour slash different	36
36. a.	Colour slash white with spots	<i>Ricinodendron heudelotii</i>
b.	Colour slash different	37

b. Colour outer surface bole different	58
58. a. Colour outer surface bole brown	59
b. Colour outer surface bole white or grey	
. <i>Musanga cecropioides</i>	
59. a. Scales present:	
sapwood light brown	<i>Afroseralisia afzelii</i>
sapwood pink	<i>Omphalocarpum elatum</i>
b. Scales absent:	
sapwood white, heartwood wine-red	<i>Ficus eriotryoides</i>
60. a. Colour slash green, discolouring brown	<i>Vitex ferruginea</i>
b. Colour slash different	61
61. a. Colour slash yellow	62
b. Colour slash different	67
62. a. Slash not discolouring	63
b. Slash discolouring brown	64
63. a. Grooves present, colour outer surface bole white-grey	
. <i>Tricalysia macrophylla</i>	
b. Grooves absent, colour outer surface bole brown	
. <i>Scytopetalum tieghemii</i>	
64. a. Grooves present	65
b. Grooves absent, scales absent	<i>Fagara lepreurii</i>
65. a. Scales present, colour bole dark brown	66
b. Scales absent:	
colour bole black	<i>Avicennia africana</i>
colour bole brown	<i>Cleistopholis patens</i>
66. a. Leaves obovate, in terminal tufts	<i>Terminalia ivorensis</i>
b. Leaves elliptic, not in terminal tufts	<i>Cordia senegalensis</i>
67. a. Colour slash pink	68
b. Colour slash different	77
68. a. Slash not discolouring	69
b. Slash discolouring	70
69. a. Bole undulate in outline, scales present, slash pink with white dilatating rays	<i>Cola nitida</i>
b. Bole round to oval in outline, scales absent, slash without obvious dilatating rays:	
colour slash pink with wine-red stripes	<i>Buchholzia coriacea</i>
colour slash pink to wine-red without stripes	<i>Bridelia grandis</i>
70. a. Slash discolouring brown	71
b. Slash discolouring wine-red or purple	74
71. a. Scales present	72
b. Scales absent	73
72. a. Sapwood yellow, outer surface bole brown	<i>Mitragyna ciliata</i>
b. Sapwood light brown, outer surface bole brown with white-grey	96
73. a. Bark with dilatating rays, leaves c. 10 cm long	
. <i>Nesogordonia papaverifera</i>	

b.	Bark without dilatating rays, leaves c. 25 cm long	
	 <i>Persea americana</i>	
74. a.	Scales present, or grooves present, or both present	75
b.	Scales absent, grooves absent <i>Ficus vallis-choudae</i>	
75. a.	Scales present	
b.	Scales absent; grooves present <i>Trichilia monadelphica</i>	
76. a.	Leaves bipinnate <i>Erythrophleum suaveolens</i>	
b.	Leaves pinnate <i>Carapa procera</i>	
77. a.	Colour slash white with spots	78
b.	Colour slash different	105
78. a.	Slash not discolouring	79
b.	Slash discolouring	91
79. a.	Scales and grooves absent	80
b.	Scales present, or grooves present, or both present	81
80. a.	Outer surface bole brown with white-grey <i>Delonix regia</i>	
b.	Outer surface of bole green with white-grey	
	 <i>Millettia lane-poolei</i>	
81. a.	Scales and grooves present	82
b.	Scales or grooves present	83
82. a.	Sapwood yellow-ochre, bole with a rough surface	
	 <i>Morinda lucida</i>	
b.	Sapwood white or brown-yellow, bole with a smooth surface	
	 <i>Afzelia africana</i>	
83. a.	Grooves present	84
b.	Scales present	89
84. a.	Outer surface bole green or brown	85
b.	Outer surface bole white-grey with or without other colours	86
85. a.	Bole undulate in outline <i>Diospyros sanza-minika</i>	
b.	Bole round or oval in outline <i>Celtis zenkeri</i>	
	 <i>Celtis adolfi-friderici</i>	
86. a.	Outer surface bole plain white-grey	87
b.	Outer surface bole white-grey with reddish-brown; sapwood yellowish <i>Hannoa klaineana</i>	
87. a.	Sapwood yellow-ochre <i>Morinda lucida</i>	
b.	Colour sapwood different	88
88. a.	Sapwood pale yellow <i>Anthocleista djalensis</i>	
b.	Sapwood white <i>Diospyros sanza-minika</i>	
89. a.	Bole with a rough outer surface <i>Blighia sapida</i>	
b.	Bole with a smooth outer surface	90
90. a.	Outer surface bole pink-grey	
	 <i>Strombosia glaucescens</i> var. <i>lucida</i>	
b.	Outer surface bole grey <i>Majidea fosteri</i>	
91. a.	Slash discolouring brown	94
b.	Slash discolouring wine-red or purple	92
92. a.	Bole with rough surface; in rainforest; slash white with dark brown	

- or black stripes *Celtis adolfi-friderici*
- b. Bole with smooth surface; in savanna 93
93. a. Colour slash white with brown spots . . . *Anogeissus leiocarpus*
- b. Colour slash white with pink areas *Adansonia digitata*
94. a. Scales present, or grooves present, or both present 97
- b. Scales and grooves absent 95
95. a. Colour slash white or pink with orange spots . *Berlinia confusa*
- b. Colour slash white with tangential dark brown or black stripes
. *Celtis spec.*
96. a. Leaf-blade cordate, palmati-nervate *Cola lateritia* var. *maclaudii*
- b. Leaf-blade elliptic to oblong, pinnati-nervate . . *Cola laurifolia*
97. a. Scales and grooves present 98
- b. Scales or grooves present 100
98. a. Colour outer surface bole black . . . *Diospyros mespiliformis*
- b. Colour outer surface bole brown 99
99. a. Sapwood white, not discolouring *Berlinia tomentella*
- b. Sapwood white, discolouring blue *Cordia platythyrsa*
100. a. Grooves present, scales absent 101
- b. Scales present, grooves absent 103
101. a. Outer surface bole green *Celtis durandii*
- b. Outer surface bole brown 102
102. a. Sapwood yellowish *Rothmannia megalostigma*
Mansonia altissima
- b. Sapwood white *Ceiba pentandra*
103. a. Outer surface bole white-grey with brown 104
- b. Outer surface bole plain white-grey
. *Stereospermum acuminatissimum*
104. a. Sapwood white with brown or orange stripes
. *Pycnanthus angolensis*
- b. Sapwood yellowish white *Parinari excelsa*
105. a. Colour slash white or grey 106
- b. Colour slash different 122
106. a. Slash discolouring 107
- b. Slash not discolouring 118
107. a. Slash discolouring wine-red or purple . . . *Sterculia setigera*
Cinnamomum zeylanicum
- b. Slash discolouring different 108
108. a. Slash discolouring green 109
- b. Slash discolouring brown 110
109. a. Bole undulate in outline, white-grey; sapwood white
. *Spathodea campanulata*
- b. Bole round or oval in outline, black-brown; sapwood yellowish
. *Cussonia barteri*
110. a. Scales present, or grooves present, or both present 113
- b. Scales and grooves absent 111

111. a.	Bole with a smooth outer surface	112
b.	Bole with a rough outer surface	<i>Monodora myristica</i>
112. a.	Sapwood dirty white	<i>Bombax glabra</i>
b.	Sapwood snow white	<i>Cleistopholis patens</i>
113. a.	Scales and grooves present	<i>Sterculia setigera</i>
b.	Scales absent, grooves present	114
114. a.	Outer surface bole brown, mealy, granular, yellowish; sapwood white	<i>Cleistopholis patens</i>
b.	Outer surface bole white-grey with other colours	115
115. a.	Sapwood discolouring green	<i>Vitex rivularis</i>
b.	Sapwood not discolouring green; bole white-grey with brown	116
116. a.	Sapwood white	117
b.	Sapwood brown	<i>Mansonia altissima</i>
117. a.	Colour slash yellowish-white	<i>Terminalia superba</i>
b.	Colour slash white with brown rays	<i>Sterculia tragacantha</i>
118. a.	Slash plain white-grey	119
b.	Slash white-grey with yellow	120
119. a.	Bole round to oval in outline; bole brown or reddish-brown	<i>Cathormion altissimum</i>
b.	Bole undulate in outline; bole white-grey with green	<i>Averrhoa bilimbi</i>
120. a.	Outer surface bole smooth	<i>Berlinia tomentella</i>
b.	Outer surface bole rough	121
121. a.	Colour outer surface bole white-grey	<i>Berlinia grandiflora</i>
b.	Colour outer surface bole brown	<i>Scytopetalum tieghemii</i>
122. a.	Colour slash red-brown or wine-red	123
b.	Colour slash brown	143
123. a.	Slash discolouring	124
b.	Slash not discolouring	137
124. a.	Slash discolouring wine-red or purple	125
b.	Slash discolouring from pink with red-brown to brown	<i>Cola laurifolia</i>
125. a.	Colour slash plain wine-red or red-brown	128
b.	Colour slash wine-red or red-brown with other colours	126
126. a.	With pink	<i>Trichoscypha arborea</i>
b.	With yellow	127
127. a.	Slash yellow with broad tangential wine-red stripes; bole brown	<i>Turraeanthus africanus</i>
b.	Slash yellow with wine-red without tangential stripes; bole white-grey with black	<i>Terminalia glaucescens</i>
128. a.	Scales present, or grooves present, or both present	131
b.	Scales and grooves absent	129
129. a.	Outer surface bole smooth; sapwood yellow or brown	130
b.	Outer surface bole rough; sapwood white	<i>Terminalia catappa</i>

130. a.	Colour outer surface bole brown; sapwood light brown	
	 <i>Aporrhiza urophylla</i>	
b.	Colour outer surface bole white-grey; sapwood yellow	
	 <i>Bridelia micrantha</i>	
131. a.	Scales and grooves present	132
b.	Scales or grooves present	134
132. a.	Colour outer surface bole white-grey; sapwood yellow	
	 <i>Terminalia glaucescens</i>	
	 <i>Combretum binderianum</i>	
b.	Colour outer surface bole yellow or black; sapwood white, or yellowish-white	133
133. a.	Colour outer surface bole black; sapwood yellowish	
	 <i>Uapaca togoensis</i>	
b.	Colour outer surface bole brown-yellow; sapwood white	
	 <i>Detarium microcarpum</i>	
134. a.	Scales present	136
b.	Grooves present	135
135. a.	Outer surface bole reddish-brown; sapwood pink-yellow	
	 <i>Phyllanthus discoideus</i>	
b.	Outer surface bole white-grey with brown; sapwood pink-white	
	 <i>Crudia klaini</i>	
136. a.	Sapwood white; bole white-grey, at base wine-red	
	 <i>Khaya senegalensis</i>	
b.	Sapwood yellowish; bole brown	
	 <i>Casuarina equisetifolia</i>	
137. a.	Scales present, or grooves present, or both present	139
b.	Scales and grooves absent	138
138. a.	Colour slash pale red-brown	
	 <i>Ochroma lagopus</i>	
b.	Colour slash brown-purple	
	 <i>Occhthocosmus africanus</i>	
	 <i>Bridelia grandis</i>	
c.	Colour slash grey-yellow to wine-red	
	 <i>Azadirachta indica</i>	
139. a.	Outer surface bole rough; sapwood white	
	 <i>Parinari curatellifolia</i>	
b.	Outer surface bole smooth; sapwood not white	140
140. a.	Sapwood yellowish	141
b.	Sapwood light wine-red; outer surface bole black-brown	
	 <i>Butyrospermum paradoxum</i>	
141. a.	Outer surface bole black	
	 <i>Acacia sieberiana</i> var. <i>villosa</i>	
b.	Outer surface bole reddish-brown	142
142. a.	Leaves pinnate	
	 <i>Afzelia africana</i>	
b.	Leaves simple	
	 <i>Euphorbiaceae</i>	
143. a.	Slash discolouring	144
b.	Slash not discolouring	155
144. a.	Slash discolouring from brown-yellow to green-yellow	
	 <i>Enantia polycarpa</i>	
b.	Slash discolouring different	145

145. a.	Slash discolouring darker brown	147
b.	Slash discolouring wine-red or purple	146
146. a.	Sapwood reddish-brown:	
	bole brown cf. <i>Uvariastrum pierreanum</i>	
	bole black <i>Hexalobus crispiflorus</i>	
b.	Sapwood yellow; heartwood pink; bole white-grey	
	 <i>Combretum binderianum</i>	
147. a.	Colour slash brown with other colours	153
b.	Colour slash plain brown	148
148. a.	Scales or grooves present	149
b.	Scales and grooves absent	151
149. a.	Scales present <i>Celtis philippensis</i>	
b.	Grooves present	150
150. a.	Living phloem tangential layered <i>Monodora myristica</i>	
b.	Living phloem not tangential layered <i>Cola gigantea</i>	
151. a.	Sapwood not discolouring; colour outer surface bole white-grey to brown <i>Macaranga barteri</i>	
b.	Sapwood discolouring reddish-brown; colour outer surface bole black or green	152
152. a.	Colour outer surface bole black <i>Hexalobus crispiflorus</i>	
b.	Colour outer surface bole green <i>Dichapetalum guineense</i>	
153. a.	Colour slash yellow-brown <i>Vernonia conferta</i>	
b.	Colour slash brown with other colours	154
154. a.	Colour slash yellow-brown with white; sapwood yellow or brown, discolouring red-brown <i>Mansonia altissima</i>	
b.	Colour slash light brown to pink; sapwood white	
	 <i>Psidium guajava</i>	
155. a.	Scales or grooves present	158
b.	Scales and grooves absent	156
156. a.	Sapwood white; colour slash brown-yellow	
	 <i>Pentaclethra macrophylla</i>	
b.	Sapwood light brown to pink	157
157. a.	Bark without almond smell <i>Memecylon memecyloides</i>	
b.	Bark with almond smell <i>Canthium vulgare</i>	
158. a.	Scales present	159
b.	Grooves present	160
159. a.	Sapwood light brown <i>Memecylon memecyloides</i>	
b.	Sapwood white-yellowish <i>Dialium dinklagei</i>	
160. a.	Outer surface bole smooth; sapwood not tangential layered, yellowish	161
b.	Outer surface bole rough; sapwood tangential layered, yellow-brown <i>Ongokea gore</i>	
161. a.	Leaves bipinnate <i>Pentaclethra macrophylla</i>	
b.	Leaves simple <i>Diospyros viridicans</i>	

5. LEAF DESCRIPTIONS OF LARGE TREES

Leaf descriptions of trees with a dbh of more than 25 cm alphabetically arranged, according to genus and species. The species name is followed by the abbreviation of the family name between brackets and the herbarium number(s).

Acacia polyacantha Willd. subsp. **campylacantha** (Hochst. ex A. Rich.) Brenan (Mim.), 532, 282

<i>Leaves</i>	compound, bipinnate, c. 20 cm long, alternate; stipulate
<i>leaflets</i>	sessile, small, 0.4 cm long
blade	lanceolate, asymmetric, pilose
base	rounded
margin	entire
apex	obtuse to acute
petiolule	absent
<i>Flowers</i>	white
<i>Branches</i>	spinose

Acacia sieberiana DC. var. **villosa** A. Chev. (Mim.), 364

<i>Leaves</i>	compound, bipinnate, c. 9 cm long, alternate; stipulate
<i>leaflets</i>	sessile, small, c. 0.2 cm long
blade	lanceolate, pilose
base	rounded
margin	entire
apex	rounded
petiolule	absent
<i>Slash</i>	evil-smelling

Achras zapota L. (Sapot.), 403

<i>Leaves</i>	simple, alternate, in terminal tufts, coriaceous; estipulate
blade	lanceolate, slightly obovate, c. 9 cm long
base	cuneate
margin	entire
apex	bluntly acute
petiole	c. 2 cm long
<i>Flowers</i>	white
<i>Fruits</i>	mature fruits red-brown, globular, $\varnothing$ c. 8 cm, edible

Adansonia digitata L. (Bomb.), 301

<i>Leaves</i>	compound, digitate, alternate; stipulate
<i>leaflets</i>	sessile or subsessile
blade	oblong

base	cuneate
margin	entire
apex	acute
nervature	midrib pilose
petiole	long, pilose
petiolule	absent or a very short, pilose
<i>Flowers</i>	white, large
<i>Fruits</i>	mature fruits black, c. 25 cm long, torpedo-shaped

***Afrosersalisia afzelii* (Engl.) A. Chev. (Sapot.), 409, 557**

<i>Leaves</i>	simple, alternate, in terminal tufts; stipulate
blade	lanceolate, slightly obovate, c. 9 cm long
base	cuneate
margin	entire, slightly revolute
apex	acute
petiole	c. 0.7 cm long, decurrent
<i>Fruits</i>	mature fruits, yellowish orange, berries
<i>Young branches</i>	very bullate, rough

***Azelia africana* Smith (Caes.), 325, 521**

<i>Leaves</i>	compound, paripinnate, alternate; stipulate
<i>leaflets</i>	opposite
blade	ovate to elliptic, c. 8 cm long
base	rounded or obtusely cuneate
margin	entire
apex	obtuse
petiolule	c. 0.5 cm long
<i>Fruits</i>	mature fruits black, c. 15 cm long, c. 10 cm across

***Albizia adianthifolia* (Schum.) W.F. Wight (Mim.), 698**

<i>Leaves</i>	compound, bipinnate, alternate; stipulate; leaf with c. 6 pairs of pinnae; each pinna paripinnate
<i>leaflets</i>	sessile, c. 1.2 cm long
blade	rhombic, asymmetric; at distal side the blade-half is more developed towards the base; at proximal side more developed towards the apex
base	cuneate
margin	entire
apex	obtuse
petiole	c. 4 cm long
petiolule	absent
<i>Flowers</i>	white with long protruding stamens
<i>Fruits</i>	thin, flat, papery, dehiscent fruits
<i>Tree</i>	umbrella-shaped

Allanblackia floribunda Oliv. (Gutt.), 89, 117, 125

<i>Leaves</i>	simple, opposite; estipulate; very fine resin ducts crossing the nerves, conspicuous on the lower surface of the leaf, near the midrib.
blade	lanceolate, c. 18 cm long
base	cuneate
margin	entire
apex	obtuse or acuminate
petiole	c. 1 cm long
<i>Flowers</i>	white, pink or red
<i>Fruits</i>	mature fruits light brown, granular surface

Alstonia boonei De Wild. (Apoc.), 53

<i>Leaves</i>	simple, verticillate, sessile or subsessile; estipulate
blade	obovate to spatulate
base	cuneate
margin	entire
apex	obtuse or acuminate, especially with saplings and water shoots, bluntly acute or sometimes rounded or emarginate
nervature	nerves numerous, forming almost right angles with midrib
petiole	c. 0.3 cm long
<i>Flowers</i>	inflorescence terminal; calyx 5-lobed; petals 5, connate, pale green
<i>Fruits</i>	formed by 2, 20–40 cm long, pendent, green follicles, with numerous, flat seeds

Anogeissus leiocarpus (DC.) Guill. et Perr. (Combr.), 357, 427

<i>Leaves</i>	simple, alternate; estipulate
blade	oblong to lanceolate, pubescent, c. 0.6 cm long
base	cuneate
margin	entire
apex	acute to rounded
petiole	c. 0.5 cm long
<i>Flowers</i>	green-yellow
<i>Fruits</i>	mature fruits brown, c. 1.5 cm long

Anthocleista djalensis A. Chev. (Log.), 326

<i>Leaves</i>	simple, opposite, in terminal tufts; interpetiolar ridge
blade	obovate to spatulate, as a rule large, up to 1.5 m long
base	cuneate
margin	entire
apex	rounded
petiole	c. 5 cm long, winged at the base, wings of 2 opposite petioles touching

<i>Fruits</i>	mature fruits black
<i>Branches</i>	with an interpetiolar line at the nodes, often prickles above the nodes

***Anthocleista nobilis* G. Don (Log.), 54**

<i>Leaves</i>	simple, opposite; interpetiolar ridge
blade	obovate to spatulate, commonly large, more than 20 cm long
base	cuneate
margin	entire
apex	obtuse
petiole	c. 8 cm long, winged at the base; wings of 2 opposite petioles touching
<i>Flowers</i>	flowerbuds white; flowers greyish white
<i>Fruits</i>	mature fruits olive-green
<i>Branches</i>	with an interpetiolar line at the nodes

***Anthocleista vogelii* Planch. (Log.), 137**

<i>Leaves</i>	simple, opposite; interpetiolar ridge
blade	obovate to spatulate, commonly large, c. 20 cm long
base	narrowly cuneate
margin	entire
apex	rounded
petiole	c. 3 cm long, winged at the base; wings of 2 opposite petioles touching
<i>Flowers</i>	flowerbuds green-yellow
<i>Fruits</i>	mature fruits black
<i>Young twigs</i>	spinose
<i>Branches</i>	with an interpetiolar line at the nodes

***Anthostema aubryanum* Baill. (Euph.), 681**

<i>Leaves</i>	simple, alternate, almost distichous; stipulate
blade	lanceolate
base	rounded to cuneate
margin	entire
apex	acuminate
nervature	pinnati-nervate
petiole	c. 5 cm long
<i>Flowers</i>	flowerbuds green; flowers yellowish green, fragrant

***Aporrhiza urophylla* Gilg (Sapind.) 671**

<i>Leaves</i>	compound, bipinnate, c. 14 cm long, alternate; estipulate
<i>leaflets</i>	alternate
blade	oblong to lanceolate, c. 9 cm long

base	cuneate
margin	entire
apex	bluntly acuminate
petiole	c. 3.5 cm long
petiolule	c. 0.4 cm long
rachis	c. 10 cm long, excurrent beyond the insertion of the pseudo-terminal leaflet
<i>Flowers</i>	white

Averrhoa bilimbi L. (Oxal.), 75

<i>Leaves</i>	compound, imparipinnate, c. 40 cm long alternate; estipulate
<i>leaflets</i>	opposite or subopposite
blade	lanceolate, c. 6 cm long, pubescent
base	cuneate
margin	entire
apex	slender, acute
petiole	c. 5 cm long, pubescent
petiolule	0.2 cm long, pubescent
rachis	c. 35 cm long, pubescent

Avicennia africana P. Beauv. (Verb.), 191

<i>Leaves</i>	simple, opposite; estipulate
blade	lanceolate, c. 18 cm long
base	cuneate
margin	entire, slightly revolute
apex	acute
petiole	c. 2.5 cm long
<i>Flowers</i>	flowerbuds yellow, rubiginous
<i>Fruits</i>	mature fruits greeny
<i>Slash</i>	with coconut smell

Often with pneumatophores

Azadirachta indica A. Juss. (Meliac.), 696

<i>Leaves</i>	compound, imparipinnate, c. 22 cm long, alternate; estipulate
<i>leaflets</i>	opposite
blade	ovate, c. 5 cm long, falcate
base	cuneate, asymmetric
margin	dentate
apex	acute
petiole	c. 6 cm long
petiolule	c. 0.3 cm long
<i>Slash</i>	with a smell of cucumber

Berlinia confusa Hoyle (Caes.), 96, 209

<i>Leaves</i>	compound, paripinnate, alternate; stipulate
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<i>leaflets</i>	opposite, coriaceous
blade	falcate, elliptic, c. 8 cm long
base	rounded
margin	entire
apex	obtuse to bluntly acuminate-caudate, the very tip square-cut
nervature	midrib flat above, prominent beneath, nerves strongly arched upwards but not looping
petiolule	0.5–1 cm long
<i>Flowers</i>	axillary or terminal panicles, white
<i>Fruits</i>	mature fruits c. 25 cm long, c. 10 cm across, pods

Berlinia grandiflora (Vahl) Hutch. et J. M. Dalz. (Caes.), 202

<i>Leaves</i>	compound, paripinnate, alternate; stipulate
<i>leaflets</i>	opposite
blade	lanceolate, c. 15 cm long
base	cuneate to rounded
margin	entire
apex	acute
petiole	c. 9 cm long
petiolule	c. 0.5 cm long
<i>Fruits</i>	mature fruits 30–40 cm long, pods

Berlinia tomentella Keay (Caes.), 183, 284

<i>Leaves</i>	compound, paripinnate, alternate; stipulate
<i>leaflets</i>	subopposite
blade	oblong, c. 10 cm long
base	cuneate to rounded
margin	entire
apex	obtuse to acuminate
petiolule	0.5 cm long
<i>Flowers</i>	white, fragrant
<i>Fruits</i>	mature fruits 25 cm long, pods

Blighia sapida Konig (Sapind.), 294

<i>Leaves</i>	compound, often paripinnate, alternate; estipulate
<i>leaflets</i>	opposite
blade	oblong to slightly obovate, c. 15 cm long, lower surface pubescent
base	cuneate
margin	entire
apex	obtuse to acuminate
petiole	c. 2 cm long, pilose
petiolule	c. 0.5 cm long, pilose
rachis	c. 15 cm long, pubescent, excurrent beyond the insertion of the pseudo-terminal leaflet
<i>Fruits</i>	mature fruits yellow with pink areas

Bombax glabra (Pasq.) Robyns (Bomb.), 401

Leaves compound, digitate, alternate; stipulate

leaflets

blade obovate, c. 10 cm long

base cuneate

margin entire

apex obtuse

nervature midrib pilose

petiole pilose, c. 5 cm long

petiolule 0.4 cm long

Flowers white

Fruits mature fruits green, 20 cm long, 10 cm across, torpedo-shaped

Bridelia grandis Pierre ex Hutch. (Euph.), 81

Leaves simple, alternate, distichous, coriaceous; stipulate

blade oblong, elliptic to obovate, c. 10 cm long, c. 4 cm wide, lower surface pubescent

base broadly cuneate to rounded

margin entire, slightly revolute, curled downwards

apex acuminate

nervature pinnati-nervate, midrib and nerves slightly raised above, very prominent beneath; nerves up to the margin of the leaf

petiole c. 0.4 cm long, pilose

Flowers axillary clusters, unisexual, monoecious, yellow

Fruits glubular drupes, mature fruits dark purple

Branches young twigs spinose

Bridelia micrantha (Hochst.) Baill. (Euph.), 14

Leaves simple, alternate, distichous; stipulate,

blade elliptic, c. 10 cm long, c. 5 cm wide, glabrous beneath

base broadly cuneate

margin entire

apex acuminate

nervature pinnati-nervate, nerves up to the margin of the leaf and there anastomosing to a marginal nerve

petiole c. 0.8 cm long

Flowers yellow-green with an orange disc

Fruits mature fruits black, c. 1 cm long

Branches young twigs spinose

Buchholzia coriacea Engl. (Capp.), 589

Leaves simple, alternate; stipulate

blade obovate, c. 13 cm long

base cuneate

margin entire, slightly revolute

apex	acute
nervature	midrib excurrent
petiole	c. 2 cm long
<i>Flowers</i>	yellow to purplish brown
<i>Fruits</i>	mature fruits yellow

Butyrospermum paradoxum (Gaertn. f.) Hepper (Sapot.), 333

<i>Leaves</i>	simple, alternate, in terminal tufts; estipulate
blade	lanceolate
base	cuneate
margin	slightly undulate or entire
apex	obtuse
nervature	nerves numerous, forming almost right angles to the midrib
petiole	c. 8 cm long
<i>Fruits</i>	mature fruits light greeny yellow, globular, $\varnothing$ 5 cm

Canthium vulgare (K. Schum.) Bullock (Rub.), 425

<i>Leaves</i>	simple, opposite; stipules interpetiolar
blade	elliptic to oblong, c. 10 cm long, glabrous
base	cuneate
margin	entire
apex	acuminate
nervature	pinnati-nervate, glands in the axils between nerves and midrib
petiole	0.8 cm long
<i>Flowers</i>	white, fragrant

Carapa procera DC. (Meliac.), 344, 704

<i>Leaves</i>	compound, paripinnate, up to 55 cm long, alternate; estipulate
<i>leaflets</i>	opposite to subopposite
blade	lanceolate, c. 25 cm long
base	cuneate
margin	entire
apex	acuminate to obtuse
petiole	markedly swollen at base, terete, rachis c. 40 cm long
petiolule	c. 0.5 cm long
<i>Flowers</i>	flowerbuds rubiginous; flowers white to light pink
<i>Fruits</i>	young fruits light brown with dark brown to black globules

Cassia siamea Lam. (Caes.), 72

<i>Leaves</i>	compound, paripinnate, alternate; stipulate
<i>leaflets</i>	opposite
blade	lanceolate

base	acute to rounded
margin	entire
apex	obtuse
nervature	midrib protruding like a needle
petiolule	c. 0.3 cm long
<i>Flowers</i>	yellow

Casuarina equisetifolia Forst. (Cas.), 157

<i>Leaves</i>	simple, verticillate, sessile; estipulate
blade	very small, triangular, squamiform, c. 0.1 cm long
apex	acute
petiole	absent
<i>Fruits</i>	mature fruits brownish black, c. 2 cm long

Cathormion altissimum (Hook. f.) Hutch. et Dandy (Mim.), 62, 165, 715

<i>Leaves</i>	compound, bipinnate, alternate; stipulate; leaves c. 18 cm long with opposite pinnae; each pinna with pairs of opposite, sessile leaflets, both paripinnate
<i>leaflets</i>	sessile, c. 1 cm long
blade	lanceolate
base	rounded, wider than the middle of the leaflet
margin	entire
apex	acute
petiole	c. 2 cm long
petiolule	absent
<i>Flowers</i>	pink with white stamens
<i>Fruits</i>	mature fruits twisted, black pods
<i>Bole</i>	spinose

Ceiba pentandra (L.) Gaertn. (Bomb.), 161

<i>Leaves</i>	compound, digitate, alternate; stipulate
<i>leaflets</i>	
blade	lanceolate or narrowly obovate or narrowly elliptic, 11–18 cm long
base	cuneate
margin	entire, decurrent
apex	acuminate to caudate
nervature	midrib prominent above, more so beneath, veins conspicuous beneath
petiole	8–25 cm long; glabrous
petiolule	c. 0.8 cm long
<i>Flowers</i>	flowers in axillary clusters, calyx green, petals creamy yellow
<i>Fruits</i>	elliptic, green capsules
<i>Bole</i>	when young covered with many sharp prickles which

vanish gradually when the tree grows older or only remain on the buttresses and on the lower part of the bole

***Celtis adolfi-friderici* Engl. (Ulm.), 412, 610**

<i>Leaves</i>	simple, alternate; stipulate
blade	elliptic, c. 10 cm long, c. 6 cm wide
base	rounded to very bluntly cuneate, markedly unequal-sided; one side cuneate, the other side rounded
margin	entire
apex	obtuse to acuminate
nervature	one pair of basal nerves as much developed as the midrib; almost curvi-nervate with 3 nerves
petiole	c. 1.5 cm long
<i>Fruits</i>	green, globular, $\varnothing$ 1.5 cm

***Celtis durandii* Engl. (Ulm.), 616**

<i>Leaves</i>	simple, alternate; stipulate
blade	oblong to lanceolate, c. 12 cm long
base	unequal-sided; one side cuneate, the other proximal side cuneate to rounded
margin	entire
apex	caudate
nervature	pinnati-nervate
petiole	c. 0.9 cm long
<i>Fruits</i>	green, globular, $\varnothing$ 1.5 cm

***Celtis philippensis* Blanco (Ulm.), 411**

<i>Leaves</i>	simple, alternate; stipulate
blade	elliptic to oblong, c. 10 cm long, c. 5 cm wide
base	cuneate, often asymmetric
margin	distal half bluntly dentate to serrate, proximal half entire
apex	acute
nervature	3-nerved from the base
petiole	c. 0.9 cm long, covered with brown hairs
<i>Fruits</i>	globular, $\varnothing$ 1–2 cm

***Celtis spec.* (Ulm.), 613**

<i>Leaves</i>	simple, alternate; stipulate
blade	oblong to obovate, c. 8 cm long, c. 3.5 cm wide
base	cuneate, often asymmetric
margin	entire, distal half sometimes dentate to serrate
apex	acuminate
nervature	3-nerved from the base
petiole	c. 0.7 cm long
<i>Fruits</i>	globular, $\varnothing$ 1 cm

Celtis zenkeri Engl. (Ulm.), 579

<i>Leaves</i>	simple, alternate; stipulate
blade	elliptic, sometimes oblong, c. 10 cm long, c. 5 cm wide
base	often asymmetric; one side rounded, the other side cuneate
margin	entire
apex	acuminate
nervature	3-nerved from the base
petiole	c. 0.5 cm
<i>Fruits</i>	young fruits yellowish green, globular, $\varnothing$ 1.5 cm

Chrysophyllum albidum G. Don (Sapot.), 654

<i>Leaves</i>	simple, alternate; estipulate
blade	oblong or slightly obovate or narrowly elliptic, c. 15 cm long; lower surface villose, almost white, upper surface soon glabrous
base	cuneate
margin	entire
apex	acuminate to caudate
petiole	1-3 cm long
<i>Fruits</i>	young fruits greyish brown, hairy
<i>Young branches</i>	densely dark brown villose

Cinnamomum zeylanicum Nees et Eberm. (Laur.), 69

<i>Leaves</i>	simple, alternate, sometimes opposite (subopposite), hard, stiff; estipulate
blade	ovate, c. 10 cm long
base	rounded to cordate
margin	entire
apex	acute to obtuse
nervature	curvi-nervate; one pair of nerves developed as strong as the midrib
petiole	c. 2 cm long, decurrent
<i>Slash</i>	smells of cinnamon

Cleistopholis patens (Benth.) Engl. et Diels (Annon.), 38, 76

<i>Leaves</i>	simple, alternate, distichous; estipulate
blade	lanceolate
base	cuneate
margin	entire
apex	acuminate to acute
nervature	pinnati-nervate
petiole	c. 0.5 cm long
<i>Flowers</i>	flowerbuds yellowish green; flowers green-yellow
<i>Fruits</i>	mature fruits greyish green.

Coelocaryon preussii Warb. (Myrist.), 74

<i>Leaves</i>	simple, alternate, coriaceous, slightly folded along the midrib; estipulate
blade	obovate to pandurate, c. 20 cm long
base	broadly cuneate, often asymmetric
margin	entire
apex	cuneate
petiole	c. 1.5 cm long
<i>Flowers</i>	green-yellow

Cola gigantea A. Chev. (Sterc.), 299

<i>Leaves</i>	simple, alternate; stipulate
blade	cordate, c. 35 cm long, c. 30 cm wide
base	cordate
margin	entire
apex	bluntly acute
nervature	palmati-nervate, nerves on the lower surface of the leaf with stellate hairs
petiole	c. 10 cm long, swollen at both ends
<i>Fruits</i>	young fruits brown, covered with stellate hairs; mature fruits orange-red, oval, c. 10 cm long

Cola lateritia K. Schum. var. **maclaudii** (A. Chev.) Brenan et Keay (Sterc.), 682, 697

<i>Leaves</i>	simple, alternate; stipulate
blade	cordate, c. 20 cm long, c. 18 cm wide
base	cordate
margin	slightly undulate
apex	acute to acuminate
nervature	palmati-nervate
petiole	up to 15 cm long, swollen at both ends, covered with stellate hairs
<i>Flowers</i>	yellow to orange, evil-smelling, covered with stellate hairs

Cola laurifolia Mast. (Sterc.), 362

<i>Leaves</i>	simple, alternate; stipulate
blade	elliptic to oblong, c. 14 cm long
base	cuneate
margin	entire
apex	acuminate to bluntly acute
nervature	midrib and nerves covered with stellate hairs beneath; pinnati-nervate
petiole	c. 6 cm long, covered with stellate hairs, swollen at both ends

- Flowers* flowerbuds covered with dark brown hairs; flowers yellowish green
- Fruits* young fruits green, covered with rubiginous hairs

***Cola nitida* (Vent.) Schott. et Endl. (Sterc.), 20**

- Leaves* simple, alternate, coriaceous; stipulate
- blade lanceolate, lower surface with a few stellate hairs, c. 14 cm long
- base cuneate
- margin entire
- apex acuminate
- petiole c. 3 cm long, swollen at both ends, with a few stellate hairs
- Flowers* yellow with brown stripes

***Combretodendron macrocarpum* (P. Beauv.) Keay (Lecyth.), 46**

- Leaves* simple, alternate, in terminal tufts; estipulate,
- blade obovate or elliptic, c. 10 cm long, glabrescent, papery
- base narrowly cuneate
- margin entire or slightly undulate
- apex obtusely acute to acuminate
- nervature nerves prominent beneath, each nerve with a large glandular pit in the axil
- petiole 0.5–1 cm long, narrowly winged
- Flowers* short, terminal racemes; green-yellow with many stamens
- Fruits* mature fruits reddish brown with a cross section like a 4-pointed star, spindle-shaped, 3–5 cm long, papery and fibrous
- Slash* very tough, whirled

***Combretum binderianum* Kotschy (Combr.), 363**

- Leaves* simple, alternate; estipulate
- blade elliptic, c. 9 cm long
- base often unequal-sided, cuneate
- margin entire
- apex acute to acuminate
- petiole c. 2.5 cm
- Fruits* mature fruits brownish purple, c. 2 cm across; in cross section like a 4-pointed star

***Cordia platythyrsa* Baker (Bor.), 232**

- Leaves* simple, alternate; estipulate
- blade elliptic, c. 12 cm long, c. 7 cm wide, scabrous, lower surface covered with hairs

base	cuneate to rounded
margin	entire
apex	acute
petiole	c. 5 cm long, pilose
<i>Sapwood</i>	soft

***Cordia senegalensis* Juss. (Bor.), 577**

<i>Leaves</i>	simple, alternate; estipulate
blade	elliptic, glabrous
base	rounded
margin	entire
apex	acuminate
petiole	c. 3 cm long, glabrous
<i>Fruits</i>	young fruits orange with brown spots; mature fruits black

***Coula edulis* Baill. (Olac.), 224, 775**

<i>Leaves</i>	simple, alternate; estipulate
blade	oblong or narrowly elliptic, sometimes slightly obovate, 10–25 cm long
base	obtusely cuneate
margin	entire, slightly revolute
apex	caudate or long acuminate
nervature	midrib flat above, prominent beneath; nerves slightly impressed above, prominent beneath; pinnati-nervate
petiole	1.5–3 cm long
<i>Flowers</i>	yellowish green; inflorescences paniculate, axillary
<i>Fruits</i>	globular drupes, $\varnothing$ 2 cm
Young shoots and young leaves densely, rusty pubescent	

***Crudia klainei* Pierre ex De Wild. (Caes.), 87**

<i>Leaves</i>	compound, pinnate, alternate; stipules c. 1.5 cm
<i>leaflets</i>	alternate
blade	elliptic
base	broadly cuneate to rounded
margin	entire
apex	acuminate
petiole	c. 1.2 cm long
petiolule	c. 0.3 cm long and conspicuously twisted
<i>Fruits</i>	c. 15 cm long, c. 7 cm across, pods

***Cussonia barteri* Seem. (Aral.) 297**

<i>Leaves</i>	compound, digitate, mostly quinquefoliate, alternate; stipulate
<i>leaflets</i>	sessile
blade	oblong, c. 10 cm long

base	cuneate
margin	entire
apex	acuminate
petiole	c. 20 cm long
<i>Flowers</i>	yellowish green, inflorescence a spadix
<i>Sapwood</i>	soft

Dacryodes klaineana (Pierre) H. J. Lam (Burs.), 678, 689, 730

<i>Leaves</i>	compound, imparipinnate, alternate; estipulate
<i>leaflets</i>	opposite
blade	lanceolate, usually unequal-sided
margin	entire
apex	acuminate to caudate, tip 0.5–1.5 cm long
nervature	midrib and nerves slightly raised above, prominent beneath
petiole	c. 2.5–6.5 cm long
petiolule	c. 1.5 cm long, markedly jointed at the top
<i>Flowers</i>	white to greeny yellow, with white stamens
<i>Slash</i>	with a resinous smell

Delonix regia (Boj. ex Hook.) Raf. (Caes.), 190

<i>Leaves</i>	compound, bipinnate, alternate; stipulate
<i>leaflets</i>	sessile or subsessile, small, c. 0.5 cm long
blade	lanceolate
base	unequal-sided
margin	entire
apex	obtuse, pilose
petiolule	absent or 0.1 cm long
<i>Flowers</i>	red
<i>Fruits</i>	mature fruits black, long pods

Detarium microcarpum Guill. et Perr. (Caes.), 351

<i>Leaves</i>	compound, pinnate, alternate; stipulate
<i>leaflets</i>	alternate
blade	oblong, c. 8 cm long
base	rounded
margin	entire
apex	emarginate
petiole	c. 2 cm long
petiolule	c. 0.5 cm long, thick
<i>Flowers</i>	white
<i>Bark</i>	border between the living bark and the rhytidome is yellow

Dialium aubrevillei Pellegr. (Caes.), 748

<i>Leaves</i>	compound, pinnate, alternate, nearly always 5 alter-
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blade	nate leaflets; stipulate
base	obovate or elliptic, c. 7 cm long
margin	broadly cuneate
apex	entire
nervature	acuminate or caudate
	midrib inconspicuous above, prominent beneath;
	veins markedly reticulate
petiolule	c. 0.5 cm long
<i>Flowers</i>	petal one, pale yellow, spatulate, shortly clawed;
	sepals 5, greyish
<i>Fruits</i>	small, black pods

***Dialium dinklagei* Harms (Caes.), 110, 258**

<i>Leaves</i>	compound, pinnate, alternate; stipulate
<i>leaflets</i>	alternate or subopposite to opposite
blade	lanceolate, oblong to obovate, c. 4 cm long, pilose beneath
base	rounded
margin	entire
apex	acute
petiolule	c. 0.2 cm long
<i>Flowers</i>	light green-yellow to light yellowish brown
<i>Fruits</i>	globular-ovoid, 1–1.5 cm long, densely bright brown velutinous, sessile

***Dichapetalum guineense* (DC.) Keay (Dichap.), 626**

<i>Leaves</i>	simple, alternate; stipulate
blade	elliptic to oblong, c. 8 cm long
base	cuneate
margin	entire
apex	bluntly acuminate
petiole	c. 0.5 cm long
<i>Flowers</i>	small, white

***Diospyros heudelotii* Hiern (Eben.), 633**

<i>Leaves</i>	simple, alternate; estipulate
blade	lanceolate, c. 7 cm long
base	cuneate
margin	acute
petiole	c. 0.3 cm long
<i>Fruits</i>	mature fruits dark brown, oval, c. 1.5 cm long

***Diospyros mespiliformis* Hochst. ex A. DC. (Eben.), 431**

<i>Leaves</i>	simple, alternate; estipulate
blade	oblong, c. 10 cm long
base	broadly cuneate

margin	entire
apex	acute or obtuse
petiole	c. 0.5 cm long
<i>Fruits</i>	mature fruits dark brown, globular, $\varnothing$ 1.5 cm
Diospyros sanza-minika	A. Chev. (Eben.), 39, 43
<i>Leaves</i>	simple, alternate; estipulate
blade	oblong, c. 12 cm long
base	cuneate
margin	entire
apex	acute to acuminate
petiole	c. 1 cm long
<i>Flowers</i>	greyish white inside, greyish brown to black outside, felty
<i>Fruits</i>	mature fruits black
<i>Wood</i>	hard
Diospyros viridicans	Hiern (Eben.), 603
<i>Leaves</i>	simple, alternate; estipulate
blade	elliptic, c. 10 cm long
base	broadly cuneate
margin	entire
apex	acute
petiole	c. 1 cm long
<i>Fruits</i>	mature fruits dark brown to black, globular, $\varnothing$ 2 cm
Dracaena cf. perrottetii	Baker (Lil.), 691
<i>Leaves</i>	simple, alternate, sessile; estipulate
blade	linear, c. 18 cm long, 1.8 cm across
margin	entire
apex	acute
nervature	parallel-nerved
petiole	absent
<i>Exudation</i>	scarlet
Duboscia viridifolia	(K. Schum.) Mildbr. (Til.), 578
<i>Leaves</i>	simple, alternate; stipulate
blade	oblong, c. 15 cm long; lower surface covered with white hairs
base	slightly cordate, often asymmetric
margin	serrate
apex	acuminate
nervature	pinnati-nervate; first pair of nerves almost as much developed as the midrib
petiole	c. 1.2 cm long, covered with brown hairs
<i>Fruits</i>	green with a light brown shine; globular with 6 ridges, $\varnothing$ 7 cm

Slash with a cucumber smell

Enantia polycarpa (DC.) Engl. et Diels (Annon.), 686

Leaves simple, alternate, distichous; estipulate

blade lanceolate

base rounded to cuneate

margin entire

apex acuminate to acute

nervature pinnati-nervate, midrib hairy

petiole c. 0.4 cm long

Flowers green

Fruits young fruits green, c. 2 cm long

Bole with many globular warts

Entandrophragma angolense (Welw.) C. DC. (Meliac.), 246

Leaves compound, pinnate, alternate, up to 50 cm long; estipulate

leaflets opposite or not, coriaceous, progressively larger from the base of the leaf to the one but last pair; terminal pair smaller

blade elliptic, oblong to obovate, 3–12 cm long, often slightly asymmetrical

base cuneate

margin entire

apex rounded; the very top shortly apiculate

nervature midrib excentric towards the proximal side

petiole 8–17 cm long

petiolule c. 0.2 cm long

Flowers densely flowered panicles

Fruits mature fruits black, torpedo-shaped, 15–20 cm long, c. 5 cm across

Erythrophleum suaveolens (Guill. et Perr.) Brenan (Caes.), 341

Leaves compound, pinnate, alternate; stipulate

leaflets alternate

blade ovate

base asymmetric, proximal side cuneate, distal side rounded, markedly broadened

margin entire

apex bluntly acute

nervature reticulate, midrib puberulous on both sides

petiolule c. 0.5 cm long

Flowers light green, petals puberulous on the edge and midrib

Fruits dark brown, pods, fruit stalk perpendicular to the ventral suture, c. 10 cm long, c. 4 cm across

Bark smooth, remaining grey and uncracked till the tree is very large

Fagara leprieurii (Guill. et Perr.) Engl. (Rut.), 597

Leaves compound, imparipinnate, alternate; estipulate
leaflets oppositeto subopposite, covered with translucent glands
 blade oblong to lanceolate, c. 8 cm long, 2–5 cm wide
 base cuneate, often asymmetric
 margin entire or slightly crenate
 apex caudate
 petiole c. 8 cm long
 petiolule c. 0.2 cm long
 rachis c. 15 cm long, with prickles
Fruits young fruits yellowish green with dark green spots; seeds shining black
Bole with many thick, wide, conical spines

Ficus congensis Engl. (Morac.), 158, 348

Leaves simple, alternate; a pair of stipules cap the bud, leaving cylindrical scars at the nodes
 blade elliptic or sometimes orbiculate or ovate, c. 12 cm long, c. 10 cm wide
 base rounded or slightly cordate
 margin entire
 apex rounded or slightly acute
 petiole c. 4 cm long
Fruits mature fruits red
Latex white, sticky
Many aerial roots

Ficus eribotryoides Kunth et Bouché (Morac.), 627

Leaves simple, alternate; a pair of stipules cap the bud, leaving cylindrical scars at the nodes
 blade spatulate, c. 25 cm long, pilose
 base broadly cuneate
 margin entire
 apex acuminate
 nervature midrib and nerves on the lower surface of the leaf pilose
 petiole c. 6 cm long, pilose
Fruits mature fruits pale yellow, globular to oval, c. 3 cm long

Ficus vallis-choudae Del. (Morac.), 506

Leaves simple, alternate; a pair of stipules cap the bud, leaving cylindrical scars at the nodes
 blade ovate, c. 12 cm long

base	rounded
margin	dentate to undulate
apex	acute
petiole	c. 4 cm long
<i>Fruits</i>	young fruits greyish green, oval, c 4 cm long

Funtumia africana (Benth.) Stapf (Apoc.), 37

<i>Leaves</i>	simple, opposite; estipulate
blade	oblong
base	cuneate
margin	entire
apex	acuminate
petiole	c. 0.6 cm long
<i>Flowers</i>	flowerbuds yellow, flower yellowish white, with a sweet fragrant smell

Garcinia kola Heck. (Gutt.), 367

<i>Leaves</i>	simple, opposite; estipulate; very fine resin ducts crossing the nerves; best visible on the lower surface of the leaf
blade	oblong, c. 10 cm long
base	cuneate
margin	entire
apex	acute to obtuse
petiole	1.2 cm long
<i>Fruits</i>	mature fruits reddish orange

Hannoa klaineana Pierre et Engl. (Sim.), 407

<i>Leaves</i>	compound, imparipinnate or, as a result of reduction, paripinnate, alternate; estipulate
<i>leaflets</i>	coriaceous, opposite
blade	oblong or elliptic, 6–12 cm long
base	cuneate, often asymmetric
margin	entire
apex	emarginate or obtuse or rounded
petiole	3–7 cm long, slightly swollen at base
petiolule	0.5–1.2 cm long
rachis	4–20 cm long
<i>Flowers</i>	yellow

Harungana madagascariensis Lam. ex Poir (Gutt.), 57

<i>Leaves</i>	simple, opposite; branches with an interpetiolar line at the nodes
blade	ovate, c. 13 cm long with numerous translucent glandular cells in the upper surface of the leaf; lower leaf surface pubescent

base	rounded
margin	entire
apex	acute
petiole	c. 2 cm long
<i>Flowers</i>	white, felty

***Hevea brasiliensis* (Kunth) M. A. (Euph.), 406**

<i>Leaves</i>	compound, trifoliate, alternate; stipulate
<i>leaflets</i>	
blade	oblong, c. 10 cm long
base	cuneate
margin	entire
apex	acuminate
nervature	pinnati-nervate
petiole	c. 18 cm long
petiolule	c. 1 cm long
<i>Flowers</i>	pale yellow
<i>Fruits</i>	mature fruits green, 3-locular, c. 5 cm long, c. 5 cm across

***Hexalobus crispiflorus* A. Rich. (Annon.), 621**

<i>Leaves</i>	simple, alternate, distichous; estipulate
blade	lanceolate
base	rounded
margin	entire
apex	acuminate
nervature	pinnati-nervate, midrib hairy
petiole	c. 0.3 cm long, hairy
<i>Fruits</i>	mature fruits covered with brown hairs, tomentose, 8 cm long

***Hunteria eburnea* Pichon (Apoc.), 586**

<i>Leaves</i>	simple, opposite; estipulate
blade	oblong, c. 12 cm long
base	cuneate
margin	entire
apex	acuminate
petiole	c. 1.5 cm long
<i>Fruits</i>	mature fruits orange

***Ituridendron bequaertii* De Wild. (Sapot.), 221**

<i>Leaves</i>	simple, alternate; estipulate
blade	obovate to elliptic, c. 10 cm long
base	cuneate
margin	entire

apex	obtuse to apiculate
petiole	c. 1.2 cm long
<i>Flowers</i>	flowerbuds green- yellow, cauliflorous

Khaya senegalensis (Desv.) A. Juss. (Meliac.), 447

<i>Leaves</i>	compound, pinnate, usually paripinnate, 2-4 pairs of leaflets, alternate; estipulate
<i>leaflets</i>	
blade	elliptic or oblong
base	cuneate
margin	entire
apex	obtuse or sometimes apiculate
petiole	3-7 cm long; rachis up to 10 cm long, c. 6 cm wide
petiolule	0.7 cm long
<i>Fruits</i>	young fruits grey; mature fruits black, like a 4-pointed star in cross section; 10 cm across
<i>Bole</i>	grey, wine-red at base

Lonchocarpus sericeus (Poir.) H.B. et K. (Pap.), 272

<i>Leaves</i>	compound, often paripinnate, alternate; stipulate
<i>leaflets</i>	opposite, pubescent
blade	elliptic to oblong, c. 10 cm long, c. 6 cm wide
base	rounded
margin	entire
apex	acute
petiole	c. 4 cm long, pubescent
petiolule	c. 0.5 cm long, pubescent
rachis	c. 9 cm long, pubescent
<i>Flowers</i>	purple, papilionaceous
<i>Fruits</i>	Pods

Macaranga barteri M.A. (Euph.), 373

<i>Leaves</i>	simple, alternate; stipulate
blade	elliptic to oblong, c. 15 cm long, c. 8 cm wide
base	auriculate
margin	entire
apex	acuminate
nervature	pinnati-nervate
petiole	c. 6 cm long
<i>Flowers</i>	pale reddish brown

Majidea fosteri (Sprague) Radlk. (Sapind.), 607

<i>Leaves</i>	compound, paripinnate, alternate; estipulate
<i>leaflets</i>	opposite
blade	oblong, c. 8 cm long

base	cuneate
margin	entire
apex	bluntly acute to acuminate
nervature	midrib and nerves pilose above
petiole	c. 3 cm long
petiolule	c. 0.2 cm long
rachis	c. 10 cm long, pilose towards the top
<i>Flowers</i>	with orange petals, wine-red disc, red-brown sepals
<i>Bole</i>	with white lenticels

Mammea africana Sab. (Gutt.), 690

<i>Leaves</i>	simple, opposite, thick, coriaceous; estipulate
blade	oblong to narrowly elliptic, c. 18 cm long, densely dotted with glandular cells which are translucent in not too old leaves
base	obtuse to cuneate
margin	entire, decurrent, slightly revolute
apex	abruptly acuminate
nervature	midrib flat or impressed above, prominent beneath, numerous nerves
petiole	1–1.5 cm long, stout, grooved above
<i>Flowers</i>	axillary, white
<i>Fruits</i>	mature fruits more or less elliptic or glubular drupes, c. 10 cm long, pale greyish brown to yellow with numerous small, brown warts

Mangifera indica L. (Anac.), 390

<i>Leaves</i>	simple, alternate; estipulate
blade	lanceolate
base	cuneate
margin	entire
apex	acute
petiole	c. 5 cm long
<i>Flowers</i>	yellowish white
<i>Fruits</i>	mature fruits orange, elliptic or globular, c. 10 cm long

Manihot glaziovii M.A. (Euph.), 493

<i>Leaves</i>	simple, alternate; stipulate
blade	palmati-partite, c. 15 cm long; c. 25 cm across
petiole	c. 15 cm long, not inserted at the margin of the leaf, partly peltate
<i>Flowers</i>	purple
<i>Bole</i>	scaling in horizontal, very thin, filmy scales

Manilkara spec. (Sapot.), 535

<i>Leaves</i>	simple, alternate, coriaceous; estipulate
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blade	obovate or elliptic, c. 10 cm long; silvery grey lower surface
base	cuneate
margin	entire
apex	obtuse or acuminate
petiole	c. 2 cm long
<i>Fruits</i>	young fruits greeny yellow with brown spots
<i>Slash</i>	with a typical smell

***Mansonia altissima* (A. Chev.) A. Chev. (Sterc.), 413, 591**

<i>Leaves</i>	simple, alternate; stipulate
blade	reniform, c. 25 cm long, 25 cm wide, upper surface with a few hairs, especially on the nerves; lower surface pubescent, felty
base	cordate
margin	undulate, dentate towards the base
apex	rounded
nervature	palmati-nervate
petiole	c. 5 cm long, covered with hairs
<i>Flowers</i>	white
<i>Fruits</i>	mature fruits orange, reniform, c. 15 cm long
<i>Sapwood</i>	yellow, discolouring red

***Memecylon memecyloides* (Benth.) Exell (Melast.), 85, 128**

<i>Leaves</i>	simple, opposite; estipulate
blade	elliptic, c. 13 cm long
base	rounded
margin	entire
apex	acute
nervature	curvi-nervate, one pair of nerves as strongly developed as the midrib
petiole	c. 0.5 cm long
<i>Flowers</i>	blue with yellow anthers
<i>Fruits</i>	mature fruits oval, c. 2 cm long, dark purplish blue
<i>Wood</i>	very hard and whirled

***Millettia lane-poolei* Dunn (Pap.), 668**

<i>Leaves</i>	compound, often imparipinnate, alternate; stipulate
<i>leaflets</i>	opposite, with sharp needle-like stipellae, c. 0.1 cm long
blade	lanceolate to obovate, c. 3 cm long
base	rounded to bluntly cuneate
margin	entire
apex	bluntly acuminate
petiole	c. 1.5 cm long, pilose

petiolule	c. 0.1 cm
rachis	c. 7 cm long
Flowers	papilionaceous
Fruits	Pods, c. 15 cm long

Mimusops kummel Bruce ex A. D.C. (Sapot.), 495

Leaves	simple, alternate, in terminal tufts; estipulate
blade	oblong, c. 13 cm long
base	cuneate
margin	entire or slightly undulate
apex	acuminate
petiole	c. 1.5 cm long
Flowers	white
Fruits	young fruits green-yellow

Mitragyna ciliata Aubrév. et Pellegr. (Rub.), 88

Leaves	simple, opposite; stipules interpetiolar, large
blade	obovate to suborbicular, 10–40 cm long, 8–30 cm wide, glabrous, coriaceous
base	cuneate
margin	entire to slightly undulate
apex	rounded
nervature	pinnati-nervate, midrib and nerves slightly impressed above prominent beneath
petiole	1–4 cm long
Flowers	white, axillary or terminal
Fruits	mature fruits green, formed by numerous amphora-shaped capsules, crowned by the persistent, inflexed, commonly ciliate calyx.

Monodora myristica (Gaertn.) Dunal (Annon.) 113, 410

Leaves	simple, distichous; estipulate
blade	obovate, c. 20 cm long
base	rounded
margin	entire
apex	acuminate or rounded
nervature	pinnati-nervate
petiole	c. 1 cm long
Flowers	yellow with many reddish brown spots
Fruits	globular, $\varnothing$ 15 cm

Morinda lucida Benth. (Rub.), 28, 320

Leaves	simple, opposite; stipules interpetiolar
blade	oblong, c. 11 cm long
base	cuneate

margin	entire
apex	acute
nervature	in the axil between midrib and nerves a cluster of hairs
petiole	c. 1 cm long
<i>Fruits</i>	mature fruits green with conrescences, globular, Ø 4 cm

Musanga cecropioides R. Br. (Morac.), 52

<i>Leaves</i>	digitate, polyfoliately compound or palmati-partite, alternate; a pair of stipules cap the bud, leaving cylindrical scars at the nodes
<i>leaflets</i>	sessile, more than 9, spreading umbrella-wise
blade	spatulate, c. 25 cm long
base	cuneate
margin	entire
apex	acuminate
petiole	c. 35 cm long
<i>Flowers</i>	flowerbuds large, wine-red
Often with low stilt-roots	

Myrianthus arboreus P. Beauv. (Morac.), 13

<i>Leaves</i>	compound, digitate, alternate; a pair of stipules cap the bud, leaving cylindrical scars at the nodes
<i>leaflets</i>	sessile or subsessile or with a petiolule of 0.6 cm long
blade	obovate or oblong, c. 18 cm long
base	cuneate
margin	dentate
apex	acute
petiole	c. 25 cm long
petiolule	absent or c. 0.6 cm long
<i>Flowers</i>	yellow

Myrianthus libericus Rendle (Morac.), 24

<i>Leaves</i>	simple, alternate; a pair of stipules cap the bud, leaving cylindrical scars at the nodes
blade	obovate, c. 20 cm long, scabrous beneath
base	cuneate
margin	dentate
apex	acute to acuminate or obtuse
petiole	c. 6 cm long
<i>Fruits</i>	mature fruits greyish green

Nesogordonia papaverifera (A. Chev.) R. Capuron (Til.), 243, 632

<i>Leaves</i>	simple, alternate, with minute, brownish, stellate hairs; stipulate
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blade	obovate to elliptic, or oblong, 5–13 cm long
base	rounded to bluntly cuneate
margin	entire
apex	acuminate
petiole	1–4.5 cm long; swollen at both ends
<i>Flowers</i>	in axillary cymes, yellowish white
<i>Fruits</i>	young fruits greenish brown, covered with brown hairs, c. 1.5 cm long, c. 1 cm across, 5 locules, distinctly 5-ridged

Ochroma lagopus Sw. (Bomb.) 683

<i>Leaves</i>	simple, alternate; stipulate
blade	cordate c. 30 cm long, c. 25 cm wide
base	cordate
margin	entire or slightly undulate
apex	acute
nervature	midrib and nerves at the lower side of the leaf covered with brown hairs
petiole	c. 20 cm long
<i>Flowers</i>	flowerbuds covered with rusty-coloured hairs; flowers white, 20 cm long
<i>Fruits</i>	mature fruits 15 cm long; like a frayed, white rope

Ochthocosmus africanus Hook. f. (Lin.), 205, 552

<i>Leaves</i>	simple, alternate; estipulate
blade	oblong to lanceolate, c. 8 cm long
base	narrowly cuneate
margin	entire but carrying a row of horny, spinescent teeth towards the top of the blade
apex	acuminate
petiole	c. 0.4 cm long
<i>Flowers</i>	white
<i>Fruits</i>	mature fruits greeny brown, $\varnothing$ c. 5 cm

Omphalocarpum elatum Miers (Sapot.), 645

<i>Leaves</i>	simple, alternate, subsessile, in terminal tufts; estipulate
blade	spatulate or obovate, c. 22 cm long
base	cuneate
margin	entire
apex	obtuse or bluntly acute
nervature	15–20 pairs of nerves, pinnati-nervate
petiole	c. 0.4 cm long, decurrent
<i>Flowers</i>	white, cauliflorous
<i>Fruits</i>	mature fruits globular, yellowish green to grainy brown, $\varnothing$ 20 cm, hard

Ongokea gore (Hua) Pierre (Olac.), 656

<i>Leaves</i>	simple, alternate, papery; estipulate
blade	elliptic or slightly ovate, 4–8 cm long
base	rounded to cuneate
margin	entire
apex	bluntly acuminate
nervature	midrib slightly impressed above, prominent beneath; nerves slightly raised on both surfaces
petiole	0.6–1 cm long, canaliculate with decurrent edges
<i>Flowers</i>	pale green; inflorescences paniculate, axillary
<i>Fruits</i>	young fruits smooth, green, $\varnothing$ 4 cm; calyx accrescent, splitting into 2 or 3 very concave, bright green valves, partly enclosing the globose fruit

Parinari curatellifolia Planch. ex Benth. (Ros.), 358

<i>Leaves</i>	simple, alternate; stipulate
blade	oblong or elliptic, c. 8 cm long, lower surface pubescent
base	rounded
margin	entire
apex	obtuse
nervature	midrib pubescent
petiole	0.5–1 cm long, with a pair of obscure to distinct glands on the upper surface near the middle of the petiole, pilose
<i>Flowers</i>	paniculate, axillary, white
<i>Fruits</i>	ovoid drupes, 3–6 cm long, dark brown with many white spots
<i>Wood</i>	hard

Parinari excelsa Sabine (Ros.), 58

<i>Leaves</i>	simple, alternate; stipulate
blade	oblong or elliptic, c. 8 cm long
base	obtusely cuneate
margin	entire
apex	acuminate
nervature	midrib and nerves flat above, prominent beneath; pilose
petiole	0.5–1 cm long, with a pair of obscure to distinct glands on the upper surface near the middle of the petiole, pilose
<i>Flowers</i>	paniculate, axillary, white
<i>Fruits</i>	ovoid drupes, 3–6 cm long, 1.5–4 cm across, exocarp orange-brown or grey when ripe, coriaceous

Pentaclethra macrophylla Benth. (Mim.), 646, 118

<i>Leaves</i>	compound, bipinnate, alternate; stipulate; leaves up to 40 cm long with opposite pinnae; each pinna with pairs of opposite sessile leaflets, both paripinnate
<i>leaflets</i>	sessile, c. 1.2–1.5 cm long
blade	rhombic, asymmetric
base	proximal side shortly auriculate; distal side cuneate
margin	entire
apex	rounded or emarginate
petiole	3–6 cm long
rachis	12–35 cm long, markedly ridged and stellate pubescent above
<i>Flowers</i>	yellow, terminal or axial panicles, up to 30 cm long
<i>Fruits</i>	mature fruits pods, c. 40 cm long, c. 7 cm across; dark brown, covered with brown hairs

Pentadesma butyracea Sabine (Gutt.), 647

<i>Leaves</i>	simple, opposite; estipulate
blade	obovate to oblong, c. 15 cm long, network of resin ducts in lower surface of the leaf, coriaceous, glabrous
base	cuneate
margin	entire, revolute
apex	bluntly acute, often slightly recurved
petiole	c. 0.5 cm long
<i>Flowers</i>	large and conspicuous, cream-coloured
<i>Fruits</i>	mature fruits brown, ovoid, 15 cm long, crowned by the remnants of the style; coriaceous

Persea americana Mill. (Laur.), 402

<i>Leaves</i>	simple, alternate; estipulate
blade	elliptic to oblong
base	cuneate, often unequal-sided
margin	entire
apex	acute
<i>Fruits</i>	mature fruits greenish black, ovate, c. 15 cm long

Phyllanthus discoideus (Baill.) M.A. (Euph.), 29

<i>Leaves</i>	simple, alternate; stipulate
blade	oblong to lanceolate, c. 10 cm long
base	cuneate
margin	entire
apex	acute to acuminate
nervature	pinnati-nervate
petiole	c. 0.7 cm long
<i>Flowers</i>	yellow-green
<i>Fruits</i>	green, translucent berries

Picralima nitida (Stapf) Th. et H. Durand (Apoc.), 688

<i>Leaves</i>	simple, opposite, estipulate
blade	oblong, c. 18 cm long
base	cuneate
margin	entire
apex	caudate
petiole	c. 2 cm long
<i>Fruits</i>	mature fruits yellow, oval to globular, $\varnothing$ 15 cm

Piptadeniastrum africanum (Hook. f.) Brenan (Mim.), 570, 685

<i>Leaves</i>	compound, bipinnate, alternate; stipulate; leaves 10–17 cm long with alternate or subopposite pinnae; each pinna with pairs of opposite, sessile leaflets
<i>leaflets</i>	fold up at sunset, sessile
blade	linear, 0.3–0.8 cm long
base	auriculate at the proximal side
margin	entire
apex	rounded
nervature	midrib excentric towards the distal edge; reticulation of nerves inconspicuous
petiole	c. 1 cm
<i>Flowers</i>	terminal or axial panicles of spikes, up to 30 cm long, brown, tomentose
<i>Fruits</i>	smooth, brown, flat pods, 20–30 cm long; 2–3 cm across

Pseudospondias microcarpa (A. Rich.) Engl. (Anac.), 281

<i>Leaves</i>	compound, imparipinnate, alternate; estipulate
<i>leaflets</i>	opposite to subopposite
blade	elliptic, the lower pair of leaflets suborbicular, the upper pair with an obtusely acute top, c. 12 cm long
base	cuneate to rounded
margin	entire
apex	acuminate
petiolule	c. 0.8 cm long
<i>Flowers</i>	flowerbuds greenish white
<i>Fruits</i>	young fruits green, ovoid, c. 4 cm long

Psidium guajava L. (Myrt.), 164

<i>Leaves</i>	simple, opposite, pilose beneath, glandular dots present; estipulate
blade	elliptic, c. 8 cm long
base	cuneate
margin	entire
apex	acute

petiole	c. 0.3 cm long
<i>Fruits</i>	young fruits green, globular, $\varnothing$ 5 cm

***Pterocarpus* cf. *mildbraedii* Harms (Pap.), 216**

<i>Leaves</i>	compound, imparipinnate, alternate; stipulate
<i>leaflets</i>	opposite
blade	elliptic or oblong, c. 6 cm long
base	rounded
margin	entire
apex	obtuse
petiole	c. 3 cm long
petiolule	c. 0.3 cm long
rachis	c. 18 cm long

***Pterocarpus santalinoides* L'Her. ex DC. (Pap.), 104**

<i>Leaves</i>	compound, often imparipinnate, alternate; stipulate
<i>leaflets</i>	alternate
blade	elliptic or ovate, c. 6 cm long
base	rounded
margin	entire
apex	acuminate
petiole	c. 3 cm long
petiolule	c. 0.3 cm long, thick
rachis	c. 5 cm long
<i>Flowers</i>	orange, papilionaceous
<i>Fruits</i>	winged, bullate-globose pods

***Pycnanthus angolensis* (Welw.) Warb. (Myrist.), 77, 170**

<i>Leaves</i>	simple, alternate, distichous, young leaves covered with a dense, rubiginous, indumentum of branched hairs; estipulate
blade	lanceolate or narrowly oblong, 13–30 cm long, 3–8 cm across, always perforated with numerous holes, caused by insects
base	cordate
margin	entire
apex	acute to acuminate
nervature	midrib and nerves slightly impressed above, prominent beneath, pinnati-nervate
petiole	1–2 cm long
<i>Flowers</i>	flowerbuds brown; paniculate, axillary
<i>Fruits</i>	covered with brown hairs; in large bunches, ellipsoid; c. 3 cm long, c. 2 cm wide
<i>Branches</i>	covered with a dense, rubiginous indumentum of branched hairs when young

Rhus succadanea L. (Anac.), 684

<i>Leaves</i>	compound, imparipinnate, alternate; estipulate
blade	lanceolate
base	cuneate
margin	entire
apex	acute to caudate
petiolule	0–0.5 cm long
<i>Fruits</i>	young fruits green, oval, flattened, c. 0.7 cm long

Ricinodendron heudelotii (Baill.) Pierre ex Pax (Euph.), 596

<i>Leaves</i>	compound, trifoliate, alternate; stipulate
<i>leaflets</i>	sessile
blade	obovate or elliptic, rugose, c. 11 cm long; black, glandular dots on the margin
base	cuneate
margin	dentate
apex	acute
nervature	pinnati-nervate
petiole	c. 15 cm long
<i>Fruits</i>	mature fruits yellowish green, 3-locular; c. 5 cm long, c. 5 cm across

Rothmannia megalostigma (Wernham) Keay (Rub.), 530

<i>Leaves</i>	simple, opposite; stipules interpetiolar
blade	spatulate to obovate, c. 35 cm long
base	cuneate
margin	entire
apex	rounded
nervature	a cluster of hairs in the axil between midrib and nerve
petiole	c. 0.5 cm long, thick, decurrent
<i>Flowers</i>	white, centre brown-red
<i>Fruits</i>	mature fruits pear-shaped, c. 15 cm long, dark green with longitudinal black stripes

Scytopetalum tieghemii (A. Chev.) Hutch. et Dalz. (Scytop.), 56, 126, 174, 669

<i>Leaves</i>	simple, alternate; estipulate
blade	oblong, coriaceous, c. 8 cm long
base	cuneate
margin	entire
apex	caudate
nervature	obscure
petiole	c. 0.3 cm long
<i>Fruits</i>	mature fruits plum-shaped, 1.5 cm long, dark purple or red

Spathodea campanulata P. Beauv. (Bign.), 650

<i>Leaves</i>	compound, imparipinnate, alternate; estipulate
<i>leaflets</i>	on the upper surface with a single or a pair of glands at base; opposite
blade	oblong, up to 9 cm long
base	cuneate
margin	entire
apex	acute
petiolule	c. 0.2 cm long
<i>Flowers</i>	flowerbuds greenish brown, containing water, flowers brilliantly red

Spondias mombin L. (Anac.), 73

<i>Leaves</i>	compound, imparipinnate, alternate; estipulate
<i>leaflets</i>	opposite to subopposite
blade	oblong to lanceolate, c. 10 cm long, c. 4 cm wide
base	cuneate, often unequal-sided
margin	entire
apex	acuminate
nervature	with a characteristic intramarginal nerve
petiole	c. 7 cm long
petiolule	c. 0.6 cm long
<i>Fruits</i>	young fruits green, plum-shaped, c. 3 cm long, edible

Sterculia setigera Del. (Sterc.), 340

<i>Leaves</i>	simple, alternate; stipulate
blade	palmati-lobed to cordate, c. 9 cm long, 12 cm wide; upper and especially lower surface covered with stellate hairs, felty to rough
base	cordate
margin	undulate or lobed; each lobe caudate
nervature	palmati-nervate; mostly one main nerve in the middle and on either side a group of 3 nerves, all starting from the same wide beginning point
petiole	c. 7 cm long, felty, covered with hairs
<i>Fruits</i>	mature fruits fibrous, dark brown, c. 7 cm long, c. 10 cm across

Sterculia tragacantha Lindley (Sterc.), 109, 336

<i>Leaves</i>	simple, alternate; stipulate
blade	elliptic, c. 18 cm long, densely pubescent beneath, with large, stellate hairs
base	rounded to cordate
margin	entire
apex	rounded to apiculate

petiole	c. 7 cm long, covered with brown hairs; mostly swollen at both ends
<i>Fruits</i>	mature fruits brown, covered with brown hairs; seeds black, c. 7 cm long

***Stereospermum acuminatissimum* K. Schum. (Bign.), 602**

<i>Leaves</i>	compound, imparipinnate; estipulate
<i>leaflets</i>	without basal glands; opposite
blade	lanceolate, c. 12 cm long
base	rounded to cuneate, often asymmetric
margin	entire
apex	acuminate
petiole	c. 10 cm long
petiolule	c. 0.2 cm long
<i>Flowers</i>	pink
<i>Fruits</i>	helical, 60 cm long

***Strombosia glaucescens* Engl. var. *lucida* J. Léon. (Olac.), 629, 653**

<i>Leaves</i>	simple, alternate; estipulate
blade	elliptic to ovate, slightly glaucous when dry, 4–10 cm long, glabrous
base	rounded
margin	entire
apex	acute to acuminate
nervature	midrib flat above, prominent beneath, extending to the very tip of the blade; nerves indistinct above, distinct or indistinct beneath
petiole	0.5–1 cm long, grooved above
<i>Flowers</i>	flowerbuds small, green, axillary
<i>Fruits</i>	false fruits formed by the fleshy, accrescent calyx tube, globular, $\varnothing$ 0.5 cm; young fruits green, purple when ripe

***Syzygium guineense* (Willd.) DC. var. *littorale* Keay (Myrt.), 145**

<i>Leaves</i>	simple, opposite; estipulate
blade	elliptic, sometimes obovate, c. 5 cm long, glandular dots present
base	cuneate
margin	entire
apex	acuminate to rounded
petiole	0.7 cm long
<i>Flowers</i>	white with many stamens, fragrant
<i>Fruits</i>	mature fruits dark purple

***Terminalia catappa* L. (Combr.), 189**

<i>Leaves</i>	simple, alternate, in terminal tufts; estipulate
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blade	obovate to spatulate, c. 20 cm long
base	cordate
margin	entire
apex	apiculate
petiole	c. 1 cm long

***Terminalia glaucescens* Planch. ex Benth. (Combr.), 300, 310, 512**

<i>Leaves</i>	simple, alternate; estipulate
blade	oblong, 10-15 cm long; the lower surface covered with silver-coloured hairs
base	unequal-sided
margin	entire, revolute when dry
apex	rounded to acute
nervature	pinnati-nervate
petiole	c. 3.5 cm long
<i>Flowers</i>	white to green-yellow
<i>Fruits</i>	longitudinally winged
<i>Wood</i>	very fibrous

***Terminalia ivorensis* A. Chev. (Combr.), 617**

<i>Leaves</i>	simple, alternate, in terminal tufts; estipulate
blade	obovate, c. 10 cm long
base	cuneate, slightly decurrent
margin	entire, slightly revolute when dry
apex	rounded or abruptly and shortly acuminate
nervature	pinnati-nervate, midrib and nerves impressed above, prominent beneath
petiole	1-1.5 cm long
<i>Flowers</i>	long, slender, axillary racemes, pale yellow; calyx with triangular lobes, petals absent
<i>Fruits</i>	small, c. 4 cm long, longitudinally winged nuts; young fruits light greyish green

***Terminalia superba* Engl. et Diels (Combr.), 244**

<i>Leaves</i>	simple, alternate, in terminal tufts; estipulate
blade	obovate, 6-12 cm long
base	cuneate, slightly unequal-sided and decurrent
margin	entire
apex	abruptly and shortly acuminate or rounded
nervature	pinnati-nervate, midrib and nerves flat above, prominent beneath
petiole	c. 3 cm long
<i>Flowers</i>	long, slender, axillary, lax flowered spike; calyx with triangular lobes, petals absent
<i>Fruits</i>	small, transversely winged, sessile, golden brown nuts

Tricalysia macrophylla K. Schum. (Rub.), 622

<i>Leaves</i>	simple, opposite; stipules interpetiolar
blade	lanceolate, c. 14 cm long
base	cuneate
margin	entire
apex	acuminate
nervature	midrib pilose, especially the lower surface
petiole	c. 1 cm long, slightly pilose
<i>Fruits</i>	young fruits white; mature fruits purple

Trichilia monadelpha (Thonn.) J. J. De Wilde (Meliac.), 17, 194, 323

<i>Leaves</i>	compound, usually imparipinnate, alternate; estipulate
<i>leaflets</i>	opposite to subopposite
blade	obovate or oblong, c. 12 cm long
base	cuneate
margin	entire
apex	acuminate
petiole	c. 9 cm long
petiolule	0.2–0.7 cm long
<i>Fruits</i>	mature fruits brownish purple or pink to red

Trichoscypha arborea (A. Chev.) A. Chev. (Anac.), 659, 674

<i>Leaves</i>	compound, imparipinnate, c. 40 cm long, alternate; estipulate
<i>leaflets</i>	subopposite to opposite
blade	elliptic to oblong, c. 11 cm long
base	cuneate
margin	entire
apex	acuminate
petiolule	c. 0.5 cm long, with horizontal ridges
<i>Flowers</i>	buds and flowers dark red, small

Triplochiton scleroxylon K. Schum. (Sterc.), 129

<i>Leaves</i>	simple, alternate; stipulate
blade	palmati-lobed, 5–7 lobes, lobes broadly ovate to triangular, glabrous, c. 11 cm long, c. 11 cm across
base	slightly cordate
apex	bluntly acute to obtuse
nervature	5–7 basal nerves
petiole	3–7 cm long
<i>Flowers</i>	axillary or terminal, densely covered with stellate hairs, pinkish white, purple at base
<i>Fruits</i>	fruits formed by 1–5 free, winged mericarps; at the back a wing of c. 4 cm long

Turraeanthus africanus (Welw. ex C. DC.) Pellegrin (Meliac.), 655, 680

<i>Leaves</i>	compound, pinnate, alternate, in terminal clusters, with 8–24 alternate or subopposite leaflets; estipulate
blade	lanceolate, c. 10 cm long
base	rounded to cuneate
margin	entire, more or less revolute
apex	acuminate
petiole	5–17 cm long;
petiolule	0.2 to 1 cm long
rachis	8–50 cm long
<i>Flowers</i>	lateral panicles, up to 70 cm long
<i>Fruits</i>	mature fruits yellow, 3 cm long, subglobose capsule, puberulous, glabrescent

cf. **Uapaca** (Euph.), 580

<i>Leaves</i>	simple, alternate; stipulate
blade	oblong to elliptic, c. 10 cm long
base	cuneate
margin	entire
apex	obtuse
nervature	pinnati-nervate
petiole	2.5 cm long
<i>Branches</i>	marked with numerous, large scars of shed leaves

Uapaca togoensis Pax (Euph.), 350

<i>Leaves</i>	simple, alternate, coriaceous; stipulate
blade	obovate, c. 15 cm long
base	narrowly cuneate, obtuse or rounded
margin	entire
apex	rounded
nervature	pinnati-nervate
petiole	c. 15 cm long
<i>Fruits</i>	mature fruits dark-brown to black; 1.5 cm long, globular, slightly pubescent
<i>Branches</i>	marked with numerous, large scars of shed leaves and hollow inside when dry; terminal buds are sticky

cf. **Uvariastrum pierreanum** Engl. (Annon.), 623

<i>Leaves</i>	simple, alternate; estipulate
blade	lanceolate, c. 11 cm long
base	cuneate
margin	entire
apex	acuminate
nervature	pinnati-nervate
petiole	c. 0.3 cm long
<i>Fruits</i>	mature fruits ovoid, yellow, tomentose, c. 8 cm long

Vernonia conferta Benth. (Comp.), 80

<i>Leaves</i>	simple, alternate; estipulate
blade	obovate to spatulate, c. 25 cm long, lower surface pubescent
base	cuneate, amplexicaul
margin	near the apex undulate to dentate
apex	acute
petiole	c. 4 cm long, pilose

Vitex ferruginea Schum. et Thonn. (Verb.), 562

<i>Leaves</i>	compound, digitate, often more than trifoliate, opposite; estipulate
<i>leaflets</i>	
blade	obovate, c. 9 cm long
base	cuneate
margin	entire
apex	caudate to acuminate
petiole	c. 10 cm long, covered with hairs; canaliculate especially towards the base
petiolule	c. 0.2 cm long, covered with hairs
<i>Fruits</i>	mature fruits with brown spots

Vitex rivularis Gürke (Verb.), 210

<i>Leaves</i>	compound, digitate, often septemfoliate, verticillate or opposite; estipulate
<i>leaflets</i>	
blade	oblong to lanceolate, c. 9 cm long
base	bluntly cuneate
margin	entire
apex	long acute to acuminate
nervature	midrib and nerves covered with hairs
petiole	c. 10 cm long, covered with hairs
petiolule	c. 0.8 cm long, covered with hairs
<i>Flowers</i>	yellow with a purple upper lip

Voacanga africana Stapf (Apoc.), 201

<i>Leaves</i>	simple, opposite; estipulate
blade	oblong, c. 15 cm long
base	cuneate
margin	entire
apex	acute
petiole	0.5 cm long, winged, wings of 2 opposite petioles touching
<i>Fruits</i>	mature fruits green, with white spots, globular, $\varnothing$ 6–8 cm

Xylia evansii Hutch. (Mim.), 594

<i>Leaves</i>	compound, bipinnate with only one pair of pinnae, c. 30 cm long, alternate; stipulate; each pinna paripinnate with 9–18 pairs of opposite leaflets, swollen glands between the upper pair of leaflets
<i>leaflets</i>	
blade	lanceolate, c. 5 cm long
base	rounded at distal side, acute at proximal side
apex	acute
petiole	c. 5 cm long with swollen glands at the top
petiole	c. 0.2 cm long
<i>Flowers</i>	capitate inflorescences
<i>Fruits</i>	mature fruits dark brown, thick, woody pods, c. 6 cm long

6. LIST OF ALL SPECIES CONSIDERED IN ALPHABETICAL ORDER, ACCORDING TO FAMILY

Numbers are herbarium numbers of the VERSTEEGH and DEN OUTER collection. Cli = climber; Shr = shrub; Str = small tree with a dbh of less than 25 cm; Btr = large tree with a dbh of more than 25 cm. Small trees, shrubs and climbers will be published in part II, III and IV respectively.

ACANTHACEAE

Adhatoda robusta C. B. CLARKE	185	Shr
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ANACARDIACEAE

Anacardium occidentale L.	508	Shr
Lanea cf. nigriflora (SC. ELLIOT) KEAY	449	Str
Mangifera indica L.	390	Btr
Pseudospondias microcarpa (A. RICH.) ENGL.	281	Btr
Rhus succadanea L.	684	Btr
Spondias mombin L.	73, 518	Str, Btr
Trichoscypha arborea A. CHEV.	659, 778	Btr
Trichoscypha beguei AUBRÉV. ET PELLEGR.	648, 794	Str
Trichoscypha cf. chevalieri AUBRÉV. ET PELLEGR.	571	Shr
Trichoscypha mannii HOOK. f.	739	Shr
Trichoscypha cf. yapoensis AUBRÉV. ET PELLEGR.	758	Str
Trichoscypha spec.	674	Btr

ANNONACEAE

Annona arenaria THONN.	464	Shr
Annona muricata L.	71	Str
Artabotrys oliganthus ENGL. ET DIELS	666	Cli
Cleistopholis patens (BENTH.) ENGL ET DIELS	38, 76, 302	Str, Btr
Enantia polycarpa (DC.) ENGL. ET DIELS	686	Btr
Hexalobus crispiflorus A. RICH	98, 621	Str, Btr
Isolona campanulata ENGL. ET DIELS	22	Str
Isolona cooperi HUTCH. ET DALZ. EX COOPER ET RECORD	706	Shr
Monocyclanthus vignei KEAY	764	Shr
Monodora crispata ENGL. ET DIELS	100, 567	Cli
Monodora myristica (GAERTN.) DUNAL	113, 410	Btr
Monodora tenuifolia BENTH.	520	Str
Neostenanthera hamata (BENTH.) EXELL	673	Str
Oxymitra gracilis (HOOK. f.) SPRAGUE ET HUTCH.	536	Shr
Polyalthia oliveri ENGL.	45, 414, 703, 784	Shr, Str
cf. Polyceratocarpus	619	Str
Uvaria afzelii SC. ELLIOT	101, 168, 543	Cli
Uvaria baumannii ENGL. ET DIELS	226	Cli
Uvaria chamae P. BEAUV.	439	Shr
Uvaria doeringii DIELS	286	Cli
cf. Uvariastrum pierreanum ENGL.	623	Btr

<i>Xylopia aethiopica</i> (DUNAL) A. RICH.	97	Str
<i>Xylopia parviflora</i> (A. RICH.) BENTH.	359	Str
APOCYNACEAE		
<i>Alafia barteri</i> OLIV.	222	Cli
<i>Alafia scandens</i> (THONN.) DE WILD.	132	Cli
<i>Alstonia boonei</i> DE WILD.	53	Btr
<i>Baissea leonensis</i> BENTH.	324, 564	Cli, Shr
<i>Baissea multiflora</i> A. DC.	455	Cli
<i>Carissa edulis</i> VAHL	454	Shr
<i>Dictyophleba leonensis</i> (STAPF) PICHON	231	Cli
<i>Farquharia elliptica</i> STAPF	600	Cli
<i>Funtumia africana</i> (BENTH.) STAPF	37	Btr
<i>Funtumia elastica</i> (PREUSS) STAPF	612	Str
<i>Holarrhena floribunda</i> (G. DON) DUR. ET SCHINZ var. <i>floribunda</i>	322, 631	Str
<i>Hunteria eburnea</i> PICHON	586	Btr
<i>Isonema smeathmannii</i> ROEM. ET SCHULT.	111, 152	Cli
<i>Landolphia dulcis</i> (R. BROWN EX SABINE) PICHON	444	Shr
<i>Landolphia micrantha</i> (A. CHEV.) PICHON	663	Cli
<i>Landolphia owariensis</i> P. BEAUV.	319	Cli
<i>Oncinotis pontyi</i> DUBARD	657	Cli
<i>Picralima nitida</i> (STAPF) TH. ET H. DURAND	688	Btr
<i>Pleioceras barteri</i> BAILL.	9, 565	Shr
<i>Plumeria rubra</i> L.	396	Shr
<i>Rauvolfia vomitoria</i> AFZEL.	27, 86, 287	Shr, Str
<i>Saba senegalensis</i> (A. DC.) PICHON	417	Cli
<i>Strophanthus hispidus</i> DC.	492	Cli
<i>Strophanthus preussei</i> ENGL. ET PAX	67	Shr
<i>Strophanthus sarmentosus</i> DC.	491	Cli
<i>Tabernaemontana crassa</i> BENTH.	35	Str
<i>Thevetia neriifolia</i> JUSS.	400	Shr
<i>Voacanga africana</i> STAPF	201	Btr
<i>Voacanga thouarsii</i> ROEM. ET SCHULT.	510	Str
ARALIACEAE		
<i>Cussonia barteri</i> SEEM	297	Btr
ARISTOLOCHIACEAE		
<i>Pararistolochia mannii</i> (HOOK. f.) KEAY	699	Cli
ASCLEPIADACEAE		
<i>Calotropis procera</i> (AIT.) AIT. f.	476	Str
<i>Tacazzea apiculata</i> OLIV.	503	Cli
BIGNONIACEAE		
<i>Kigelia africana</i> (LAM.) BENTH.	130, 283, 601	Str
<i>Markhamia</i> cf. <i>obtusifolia</i> SPRAGUE	321	Shr
<i>Newbouldia laevis</i> (P. BEAUV.) SEEM. EX BUREAU	368, 545, 679	Str
<i>Spathodea campanulata</i> P. BEAUV.	650	Btr

<i>Stereospermum acuminatissimum</i> K. SCHUM.	587, 602	Str, Btr
<i>Tecoma stans</i> (L.) H.B.K.	391	Shr
BIXACEAE		
<i>Bixa orellana</i> L.	692	Shr
BOMBACACEAE		
<i>Adansonia digitata</i> L.	301	Btr
<i>Bombax glabra</i> (Pasq.) ROBYNS	401	Btr
<i>Ceiba pentandra</i> (L.) GAERTN.	161	Btr
<i>Ochroma lagopus</i> Sw.	683	Btr
BORAGINACEAE		
<i>Cordia platythyrsa</i> BAKER	230, 232	Str, Btr
<i>Cordia senegalensis</i> JUSS.	577	Btr
BURSERACEAE		
<i>Dacryodes klaineana</i> (PIERRE) H. J. LAM	678, 689, 730	Btr
<i>Santiria trimera</i> (OLIV.) AUBRÉV.	755	Str
CAESALPINIACEAE		
<i>Afzelia africana</i> SM.	325, 521	Btr
<i>Anthoantha vignei</i> (HOYLE) J. LÉON.	206	Shr
<i>Bauhinia monandra</i> KURZ	213	Shr
<i>Berlinia confusa</i> HOYLE	96, 209	Btr
<i>Berlinia grandiflora</i> (VAHL) HUTCH. ET J. M. DALZ.	166, 202	Str, Btr
<i>Berlinia tomentella</i> KEAY	96A, 183, 284	Str, Btr
<i>Bussea occidentalis</i> HUTCH.	187, 211, 774	Str
<i>Caesalpinia bonduc</i> (L.) ROXB.	290	Cli
<i>Caesalpinia pulcherrima</i> (L.) Sw.	405	Shr
<i>Cassia siamea</i> LAM.	72	Btr
<i>Cassia sieberiana</i> DC.	519	Str
<i>Cassia surattensis</i> BURM. f.	397A	Shr
<i>Crudia klainei</i> PIERRE EX DE WILD.	87, 90	Str, Btr
<i>Delonix regia</i> (Boj. ex Hook) RAF.	190	Btr
<i>Detarium microcarpum</i> GUILL. ET PERR.	351, 457	Str, Btr
<i>Dialium aubrevillei</i> PELLEGR.	786	Str, Btr
<i>Dialium dinklagei</i> HARMS	110, 258	Btr
<i>Distemonanthes benthamianus</i> BAILL.	811	Str
<i>Duparquetia orchidacea</i> BAILL.	750	Cli
<i>Erythrophleum suaveolens</i> (GUILL. ET PERR.) BRENNAN	341	Btr
<i>Griffonia simplicifolia</i> (VAHL EX DC.) BAILL.	241, 614	Cli
<i>Isobertlinia doka</i> CRAIB ET STAPP	428	Str
<i>Piliostigma thonningii</i> (SCHUM.) MILNE-REDH.	292	Str
<i>Polystemonanthus dinklagei</i> HARMS	766	Str
<i>Stemonocoleus micranthus</i> HARMS	8, 63	Str
<i>Swartzia madagascariensis</i> DESV.	421, 430	Shr, Str
<i>Tamarindus indicus</i> L.	452	Str
CAPPARIDACEAE		
<i>Buchholzia coriacea</i> ENGL.	568, 589	Str, Btr

Capparis erythrocarpos ISERT	732	Cli
Euadenia trifoliolata (SCHUM. ET THONN.) OLIV.	33, 370	Shr
CASUARINACEAE		
Casuarina equisetifolia FORST.	157	Btr
CHRYSOBALANACEAE		
Chrysobalanus ellipticus SOL. EX SABINE	143	Shr
COMBRETACEAE		
Anogeissus leiocarpus GUILL. ET PERR.	357, 427	Btr
Combretum binderianum KOTSCHY	363, 528	Shr, Btr
Combretum dolichopetalum ENGL. ET DIELS	733	Cli
Combretum grandiflorum G. DON	204	Cli
Combretum hypopilinum DIELS	529	Shr
Combretum nigricans LEPR. EX GUILL. ET PERR. var. elliotii (ENGL. ET DIELS) AUBRÉV.	525	Str
Combretum cf. nigricans LEPR. EX GUILL. ET PERR. var. nigricans	476	Str
Combretum platypterum (WELW.) HUTCH. ET J. M. DALZ.	115, 374, 560	Cli, Shr
Combretum cf. smeathmannii G. DON	220	Cli
Combretum spec.	769	Cli
Quisqualis indica L.	103	Cli
Strephonema pseudocola A. CHEV.	667, 808	Str
Terminalia catappa L.	189	Btr
Terminalia glaucescens PLANCH. EX BENTH.	300, 310, 422, 512	Str, Btr
Terminalia ivorensis A. CHEV.	617	Btr
Terminalia cf. mollis LAWS.	356	Str
Terminalia superba ENGL. ET DIELS	244	Btr
COMPOSITAE		
Eupatorium odoratum L.	123	Shr
Microglossa pyrifolia (LAM.) O. KTZE	352	Shr
Vernonia conferta BENTH.	80	Btr
CONNARACEAE		
Agelaea nitida SOL. EX PLANCH.	767	Cli
Agelaea obliqua (P. BEAUV.) BAILL.	140	Shr
Byrsocarpus coccineus SCHUM. ET THONN.	238	Cli
Castanola paradoxa (GILG) SCHELLENB. EX HUTCH. ET DALZ.	651	Cli
Cnestis ferruginea DC.	806	Cli
Cnestis cf. longiflora SCHELLENB.	124	Shr
Manotes longiflora BAKER	549	Shr
Santaloides afzelii (R. BR. EX PLANCH.) SCHELLENB.	468	Str
Spiropetalum reynoldsii (STAPF) SCHELLENB.	26, 79	Cli
CONVOLVULACEAE		
Calycolobus parviflorus (MANGENOT) HEINE	10	Cli
Ipomoea mauritiana JACQ.	4	Cli
DICHAPETALACEAE		

Dichapetalum dictyospermum BRET.	720	Cli
Dichapetalum filicaule BRET.	561	Cli
Dichapetalum guineense (DC.) KEAY	626	Btr
Dichapetalum cf. heudelotii (PLANCH. EX OLIV.) BAILL.	265	Cli
Dichapetalum murinum BRET.	727	Cli
Dichapetalum cf. murinum BRET.	120	Cli
Dichapetalum oblongum (HOOK. f.) ENGL.	711, 713	Shr
Dichapetalum cf. thomsonii (OLIV.) ENGL.	179, 235, 383	Cli
Dichapetalum toxicarium (G. DON) BAILL.	219	Shr
Dichapetalum spec.	776	Cli
Dichapetalum spec.	820	Cli
DILLENIACEAE		
Tetracera alnifolia WILLD.	460, 805	Cli
DIOSCORIACEAE		
Dioscoria minutiflora ENGL.	260	Cli
EBENACEAE		
Diospyros canaliculata DE WILD.	585, 795	Str
Diospyros chevalieri DE WILD.	709	Shr
Diospyros cooperi (HUTCH. ET DALZ.) WHITE	814	Str
Diospyros gabunensis GÜRKE	737	Str
Diospyros heudelotii HIERN	633	Btr
Diospyros mannii HIERN	66, 252, 779	Str
Diospyros mespiliformis HOCHST. EX A. DC.	276, 431	Shr, Btr
Diospyros monbuttensis GÜRKE	606	Shr
Diospyros sanza-minika A. CHEV.	39, 43	Btr
Diospyros soubreana F. WHITE	582	Str
Diospyros vignei F. WHITE	44A	Str
Diospyros viridicans HIERN	603	Btr
Diospyros spec.	44	Str
EUPHORBIACEAE		
Acalypha hispida BURM. f.	395	Shr
Alchornea cordifolia (SCHUM. ET THONN.) M.A.	144	Str
Amanoa bracteosa PLANCH.	771	Btr
Anthostema aubryanum BAILL.	542, 681	Str, Btr
Anthostema senegalense A. JUSS.	760	Str
Antidesma membranaceum M.A.	19, 278	Shr, Str
Antidesma venosum TUL.	162, 313, 497, 527	Shr, Str
Argomuellera macrophylla PAX	595	Str
Breynia nivosa (W. G. SM.) SMALL	398	Shr
Bridelia ferruginea BENTH.	279, 448	Shr, Str
Bridelia grandis PIERRE EX HUTCH.	81	Btr
Bridelia micrantha (HOCHST.) BAILL.	14, 275, 485	Shr, Str, Btr
Claoxylon hexandrum M.A.	741	Str
Codiaeum variegatum (L.) BL.	397	Shr
Drypetes afzelii HUTCH.	796	Str

<i>Drypetes chevalieri</i> BEILLE	217	Shr
<i>Drypetes ivorensis</i> HUTCH. ET DALZ.	382	Shr
<i>Drypetes</i> cf. <i>ivorensis</i> HUTCH. ET DALZ.	254	Shr
<i>Erythrococca anomala</i> (JUSS. EX POIR.) PRAIN	718	Shr
<i>Euphorbia pulcherrima</i> WILLD. EX KLOTZSCH	399	Shr
<i>Hevea brasiliensis</i> (KUNTH) M.A.	406	Btr
<i>Hura crepitans</i> L.	553	Str
<i>Hymenocardia acida</i> TUL.	306, 435	Str
<i>Jatropha curcas</i> L.	285	Shr
<i>Jatropha multifida</i> L.	393	Shr
<i>Macaranga barteri</i> M.A.	42, 188, 366, 373	Str, Btr
<i>Macaranga beillei</i> PRAIN	83, 372	Cli
<i>Macaranga heterophylla</i> (M.A.) M.A.	377, 746, 793	Cli, Shr, Str
<i>Macaranga hurifolia</i> BEILLE	59	Str
<i>Maesobotrya barteri</i> (Baill.) Hutch.	136, 257	Shr
<i>Maesobotrya barteri</i> (BAILL.) HUTCH. var. <i>sparsiflora</i> (Sc. ELLIOT) KEAY	21, 36	Shr, Str
<i>Mallotus oppositifolius</i> (GEISEL.) M.A.	197	Shr
<i>Manihot glaziovii</i> M.A.	493	Btr
<i>Manniophyton fulvum</i> M.A.	175, 729, 740	Cli, Shr
<i>Mareya micrantha</i> (BENTH.) M.A.	176, 813	Str
<i>Microdesmis keayana</i> LÉON.	30, 415	Str
<i>Necepsia afzelii</i> PRAIN	385	Str
<i>Phyllanthus discoideus</i> (BAILL.) M.A.	29, 228, 311, 337, 442, 480	Shr, Str, Btr
<i>Phyllanthus muellerianus</i> (O. KTZE.) EXELL	327, 426	Cli
<i>Phyllanthus reticulatus</i> POIR. var. <i>glaber</i> M.A.	171	Shr
<i>Protomegabaria stapfiana</i> (BEILLE) HUTCH.	51, 386	Str
<i>Pycnocomma macrophylla</i> BENTH.	816	Shr
<i>Ricinodendron heudelotii</i> (BAILL.) PIERRE EX PAX	596	Btr
<i>Securinega virosa</i> (ROXB. EX WILD.) BAILL.	335, 423	Shr
<i>Spondianthus preussii</i> ENGL. var. <i>preussi</i>	734	Str
<i>Tetrorchidium didymostemon</i> (BAILL.) PAX ET K. HOFFM.	212, 380, 365	Shr, Str
<i>Thecacoris stenopetala</i> (M.A.) M.A.	664, 762	Str
<i>Uapaca guineensis</i> M.A.	6	Str
<i>Uapaca togoensis</i> Pax	350, 441, 475	Str, Btr
cf. <i>Uapaca</i> spec.	580	Btr
?	649	Btr
FLACOURTIACEAE		
<i>Caloncoba brevipes</i> GILG	753, 791	Str
<i>Caloncoba echinata</i> (OLIV.) GILG	268, 670	Shr, Str
<i>Casearia inaequalis</i> HUTCH. ET DALZ.	644	Str
<i>Dasylepis</i> cf. <i>brevipedicellata</i> CHIPP	225	Str
<i>Flacourtia flavescens</i> WILLD.	288, 420, 501	Shr, Str
<i>Homalium patoklaense</i> AUBRÉV. ET PELLEGR.	203	Str

Lindackeria dentata (OLIV.) GILG	16	Str
Oncoba spinosa FORSK.	499	Str
GUTTIFERAE		
Allanblackia floribunda OLIV.	41, 89, 117, 125	Str, Btr
Garcinia kola HECK.	367	Btr
Garcinia polyanthia OLIV.	133	Str
Harungana madagascariensis LAM. EX POIR.	57, 314	Str, Btr
Mammea africana SAB.	690	Btr
Pentadesma butyracea SABINE	647	Btr
Psorospermum febrifugum SPACH.	416, 429	Shr
Vismia guineensis (L.) CHOISY	121, 251, 408	Shr, Str
HERNANDIACEAE		
Illigera pentaphylla WELW.	184, 588	Cli
HIPPOCRATEACEAE		
Hippocratea iotricha LOES.	229	Cli
Hippocratea pallens PLANCH. EX OLIV.	474	Cli
cf. Hippocratea unguiculata (LOES.) M. HALLÉ	180	Cli
Hippocratea velutina AFZEL.	605, 724	Cli
Hippocratea vignei HOYLE	345	Cli
Hippocratea spec.	599	Cli
Salacia cameronensis LOES.	223	Cli
Salacia cf. cerasifera WELW. EX OLIV.	749	Cli
Salacia nitida (BENTH.) N. E. BROWN	723	Cli
Salacia owabiensis HOYLE	177	Shr
Salacia zenkeri LOES.	68	Cli
Salacia spec.	360	Cli
ICACINACEAE		
Desmostachys vogelii (MIERS) STAPP	248, 665, 817	Shr, Str
Iodes liberica STAPP	269	Cli
Leptaulus daphnoides BENTH.	590, 638	Str
Pyrenacantha manganotiana MIÈGE	790	Cli
cf. Pyrenacantha manganotiana MIÈGE	705	Cli
Pyrenacantha vogeliana BAILL.	643	Cli
LABIATAE		
Hoslundia opposita VAHL	195	Shr
LAURACEAE		
Beilschmiedia mannii (MEISN.) BENTH. ET HOOK. f.	61, 266, 658	Str
Cinnamomum zeylanicum NEES ET EBERM.	69	Btr
Persea americana MILL.	402	Btr
LECYTHIDACEAE		
Combretodendron macrocarpum (P. BEAUV.) KEAY	46	Btr
LILIACEAE		
Asparagus spec.	509	Cli
Dracena cf. perrotettii BAKER	691	Btr
Dracena scoparia A. CHEV.	707	Shr

LINACEAE

Hugonia afzelii R. BR. EX PLANCH.	375	Cli
Hugonia platysepala WELW. EX OLIV.	1, 555, 751	Cli
Ochthocosmus africanus HOOK. f.	205, 552	Btr

LOGANIACEAE

Anthocleista djalonenensis A. CHEV.	326	Btr
Anthocleista nobilis G. DON	54, 163	Str, Btr
Anthocleista vogelii PLANCH.	137	Btr
Strychnos aculeata SOLERED.	240	Cli
Strychnos afzelii GILG	198, 712	Cli
Strychnos camptoneura GILG ET BUSSE	207	Cli
Strychnos innocua DEL.	437	Str
Strychnos longicaudata GILG	628	Cli
Strychnos spinosa LAM.	446	Shr
Strychnos usambarensis GILG	539, 677	Cli
Usteria guineensis WILLD.	440	Cli

MALPIGIACEAE

Acridocarpus alternifolius (SCHUM. ET THONN.) NDZ.	167, 199, 548	Cli
Flabellaria paniculata CAV.	196, 494	Cli
Heteropteris leona (CAV.) EXELL	550, 634	Cli

MALVACEAE

Abutilon mauritianum (JACQ.) MEDIC.	135	Shr
Hibiscus mutabilis L.	392	Shr

MEDUSANDRACEAE

Soyauxia floribunda HUTCH.	756	Shr
Soyauxia grandifolia GILG ET STAPF	765	Str
Soyauxia velutina HUTCH. ET DALZ.	60, 710	Str

MELASTOMATACEAE

Dinophora spenneroides BENTH.	787	Shr
Memecylon cf. afzelii G. DON	387	Str
Memecylon fleuryi JACQ. FÉLIX	636	Str
Memecylon memecyloides (BENTH.) EXELL	85, 128	Btr
Memecylon spec.	768	Str
Tibouchina langsdoorfiana BAILL.	695	Str

MELIACEAE

Azadirachta indica A. JUSS.	696	Btr
Carapa procera DC.	344, 704	Btr
Entandrophragma angolensis (WELW.) C. DC.	246	Btr
Entandrophragma utile (DAWE ET SPRAGUE) SPRAGUE	802	Btr
Guarea thompsonii SPRAGUE ET HUTCH.	182	Str
Khaya anthotheca (WELW.) C.DC.	772, 797, 801, 819	Btr
Khaya senegalensis (DESV.) A. JUSS.	447	Btr
Lovoa trichiloides HARMS	803, 804	Btr
Trichilia emetica VAHL subsp. suberosa J. J. DE WILDE	354, 531	Shr
Trichilia monadelpha (THONN.) J. J. DE WILDE	17, 131, 194, 323	Str, Btr

<i>Trichilia ornithothera</i> J. J. DE WILDE	369, 652	Str
<i>Trichilia prieureana</i> A. JUSS.	744	Str
<i>Turraecanthus africanus</i> (WELW. EX C. DC.) PELLEGRIN	655, 680	Btr
MELIANTHACEAE		
<i>Bersama abyssinica</i> FRES. spp. <i>paullinioides</i> (PLANCH.)		
VERDC.	11, 107, 642	Str
MENISPERMACEAE		
<i>Rhigiocarya racemifera</i> MIERS	379	Cli
<i>Tiliacora</i> cf. <i>dielsiana</i> HUTCH. ET DALZ.	134	Cli
MIMOSACEAE		
<i>Acacia dudgeoni</i> CRAIB EX HOLL.	453	Shr
<i>Acacia polyacantha</i> WILLD. spp. <i>campylacantha</i> (HOCHST. ex A. RICH.) BRENNAN	282, 532	Btr
<i>Acacia sieberiana</i> DC. var. <i>villosa</i> A. CHEV.	364	Btr
<i>Albizia adianthifolia</i> (SCHUM.) W. F. WIGHT	698	Btr
<i>Albizia lebbeck</i> (L.) BENTH.	620	Str
<i>Calpocalyx brevibracteatus</i> HARMS	719, 745	Str
<i>Cathormion altissimum</i> (HOOK. f.) HUTCH. ET DANDY	62, 165, 715	Btr
<i>Dichrostachys glomerata</i> (FORSK.) CHIOV.	434	Str
<i>Entada abyssinica</i> STEUD. EX A. RICH.	472	Str
<i>Entada africana</i> GUILL. ET PERR.	436	Str
<i>Entada scelerata</i> A. CHEV.	604	Cli
<i>Leucaena polycephala</i> (Lam.) DE WIT	105	Str
<i>Parkia africana</i> R. BR.	315	Str
<i>Pentaclethra macrophylla</i> BENTH.	118, 646	Btr
<i>Piptadeniastrum africanum</i> (HOOK. f.) BRENNAN	193, 570, 685	Str, Btr
<i>Tetrapleura tetraptera</i> (SCHUM. ET THONN.) TAUB.	608	Str
<i>Xylia evansii</i> HUTCH.	594	Btr
MORACEAE		
<i>Cecropia surinamensis</i> MIQ.	714	Str
<i>Dorstenia smythei</i> SPRAGUE	384	Str
<i>Ficus capensis</i> THUNB.	490	Str
<i>Ficus congensis</i> ENGL.	158, 348, 507	Str, Btr
<i>Ficus dicranostyla</i> MILDBR.	280	Shr, Str
<i>Ficus eriobotryoides</i> KUNTH ET BOUCHÉ	627	Btr
<i>Ficus exasperata</i> VAHL	84	Shr, Str
<i>Ficus glumosa</i> DEL.	522	Str
<i>Ficus kamerunensis</i> WARB. EX MILDBR. ET BURRET	609	Cli
<i>Ficus ottoniifolia</i> (MIQ.) MIQ.	573	Str
<i>Ficus thonningii</i> BL.	624	Cli
<i>Ficus</i> cf. <i>thonningii</i> BL.	541	Str
<i>Ficus vallis-choudae</i> DEL.	506	Btr
<i>Ficus vogelii</i> (MIQ.) MIQ.	611	Cli
<i>Musanga cecropioides</i> R. BR.	52	Btr

Myrianthus arboreus P. BEAUV.	13, 15	Str, Btr
Myrianthus libericus RENDLE	24	Btr
MYRISTICACEAE		
Coelocaryon preussii WARB.	74	Btr
Pycnanthus angolensis (WELW.) WARB.	77, 170	Btr
MYRSINACEAE		
Embelia rowlandii GILG	338, 471	Cli, Shr
Embelia spec.	502	Cli
MYRTACEAE		
Eugenia whytei SPRAGUE	563, 574	Shr
Psidium guajava L.	164	Btr
Syzygium guineense (WILLD.) DC. var. guineense	483	Str
Syzygium guineense (WILLD.) DC. var. littorale KEAY	139, 145	Shr, Btr
Syzygium guineense (WILLD.) DC. var. macrocarpum ENGL.	355	Str
NYCTAGINACEAE		
Bougainvillea glabra CHOISY	389	Shr
OCHNACEAE		
Campylopermum flavum (SCHUM. ET THONN.) FARRON	388	Shr
Campylopermum dybowski V. TIEGHEM	64	Str
Campylopermum glaberrimum (P. BEAUV.) FARRON	146, 537	Shr
Idertia morsonii (HUTCH. ET DALZ.) FARRON	798	Str
Lophira lanceolata V. TIEGHEM EX KEAY	347	Str
Ochna rhizomatosa (V. TIEGHEM) KEAY	450	Shr, Str
Rhabdophyllum affine (HOOK. f.) V. TIEGHEM	247, 253	Shr, Str
Rhabdophyllum calophyllum (HOOK. f.) V. TIEGHEM	785	Str
OKTOKNEMACEAE		
Oktoknema borealis HUTCH. ET DALZ.	371	Str
OLACACEAE		
Coula edulis BAILL.	48, 224, 775	Str, Btr
Heisteria parviflora SM.	2	Shr
Ola subscorpioidea OLIV.	303	Shr
Ongokea gore (HUA) PIERRE	656	Btr
Ptychopetalum anceps OLIV.	763	Shr
Strombosia glaucescens ENGL. var. lucida J. LÉON.	629, 653, 717	Str, Btr
Ximenia americana L.	353	Shr
OLEACEAE		
Linociera nilotica OLIV.	524	Str
OXALIDACEAE		
Averrhoa bilimbi L.	75	Btr
OPILIAEAE		
Opilia celtidifolia (GUILL. ET PERR.) ENDL. EX WALP.	424	Cli
PANDACEAE		
Panda oleosa PIERRE	675	Str
PAPILIONACEAE		
Afrormosia laxiflora (BENTH. EX BAK.) HARMS	274, 304	Str

<i>Baphia nitida</i> LODD.	47	Str
<i>Baphia pubescens</i> HOOK. f.	34, 316	Str
<i>Baphia spathacea</i> HOOK. f.	757	Cli
<i>Baphiastrum confusum</i> (HUTCH. ET DALZ.) PELLEGR. 108, 142, 551		Cli, Shr
<i>Dalbergia ecastaphyllum</i> (L.) TAUB.	156, 694	Cli, Shr
<i>Dalbergia heudelotii</i> STAPP	635	Cli
<i>Dalbergia oblongifolia</i> G. DON	726	Cli
<i>Dalbergia saxatilis</i> HOOK. f.	169, 533, 558	Shr, Cli
<i>Dioclea reflexa</i> HOOK. f.	639	Cli
<i>Drepanocarpus lunatus</i> (L.f.) G. F. W. MEYER	155	Str
<i>Erythrina</i> cf. <i>senegalensis</i> DC.	419	Shr
<i>Indigofera tinctoria</i> L.	151	Shr
<i>Leptoderris macrothyrsa</i> DUNN	725	Cli
<i>Lonchocarpus cyanescens</i> (SCHUM. ET THONN.) BENTH. 312, 463, 489		Cli
<i>Lonchocarpus griffonianus</i> (BAILL.) DUNN	722, 731, 736	Shr, Str
<i>Lonchocarpus sericeus</i> (POIR.) H.B. ET K.	272, 505	Str, Btr
<i>Millettia barteri</i> (BENTH.) DUNN	91, 700	Cli
<i>Millettia lane-poolei</i> DUNN	122, 668, 728	Shr, Btr
<i>Millettia lucens</i> (SC. ELLIOT) DUNN	233	Shr
<i>Millettia zechiana</i> HARMS	7, 809	Str
<i>Millettia spec.</i>	807	Str
<i>Mucuna flagellipes</i> T. VOGEL EX HOOK. f.	662A	Cli
<i>Neorautanenia pseudopachyrhiza</i> (HARMS) MILNE-REDH.	514	Cli
<i>Ostryoderris leucobotrya</i> DUNN	150	Shr
<i>Ostryoderris stuhlmannii</i> (TAUB.) DUNN EX HARMS	456	Str
<i>Platysepalum hirsutum</i> (DUNN) HEPPER	615, 773	Cli
<i>Pterocarpus</i> cf. <i>mildbraedii</i> HARMS	216	Btr
<i>Pterocarpus santalinoides</i> L'HÉR. EX DC.	104, 487	Str, Btr
<i>Swartzia madagascariensis</i> DESV.	421, 430	Shr, Str
PASSIFLORACEAE		
<i>Adenia lobata</i> (JACQ.) ENGL.	262	Cli
<i>Crossostemma laurifolia</i> PLANCH. EX BENTH.	583, 721	Cli
<i>Smeathmannia pubescens</i> SOLAND. EX R. BR.	92, 153, 540, 752	Shr, Str
POLYGALACEAE		
<i>Atroxima afzeliana</i> (OLIV.) STAPP	554	Cli
<i>Carpolobia lutea</i> G. DON	716	Shr
<i>Securidaca longepedunculata</i> FRES.	418, 451	Str
RHIZOPHORACEAE		
<i>Cassipourea barteri</i> (HOOK. f.) N.E.BR.	147	Shr
<i>Rhizophora racemosa</i> G. F. W. MEYER	154, 759, 821, 822	Shr, Str
ROSACEAE		
<i>Acioa barteri</i> (HOOK. f. EX OLIV.) ENGL.	702	Str
<i>Acioa dinklagei</i> ENGL.	630	Str
<i>Parinari curatellifolia</i> PLANCH. EX BENTH.	273, 358	Str, Btr
<i>Parinari excelsa</i> SABINE	58	Btr

RUBIACEAE

<i>Aidia genipiflora</i> (DC.) DANDY	181	Str
<i>Bertiera racemosa</i> (G. DON) K. SCHUM.	127	Shr
<i>Canthium horizontale</i> (SCHUM. ET THONN.) HIERN	569	Cli
<i>Canthium subcordatum</i> DC.	5, 318	Str
<i>Canthium venosum</i> (OLIV.) HIERN	516	Shr
<i>Canthium vulgare</i> (K. SCHUM.) BULLOCK	425	Btr
<i>Chassalia kolly</i> (SCHUM.) HEPPER	640	Str
<i>Coffea liberia</i> BULL EX HIERN	566	Shr
<i>Corynanthe pachyceras</i> K. SCHUM.	581, 625, 792	Str
<i>Craterispermum caudatum</i> HUTCH.	49	Shr
<i>Crossopteryx febrifuga</i> (AFZEL. EX G. DON) BENTH.	305, 470	Shr, Str
<i>Cuviera acutiflora</i> DC.	186	Str
<i>Cuviera macrourea</i> K. SCHUM.	575	Shr, Str
<i>Cuviera nigrescens</i> (SC. ELLIOT EX OLIV.) WERNH.	250	Str
<i>Dictyandra arborescens</i> WELW. EX HOOK. f.	598	Str
<i>Euclinia longiflora</i> SALISB.	592	Shr
<i>Gaertnera cooperi</i> HUTCH. ET MOSS	754	Str
<i>Gaertnera paniculata</i> BENTH.	50, 141, 330	Shr, Str
<i>Gardenia erubescens</i> STAPF ET HUTCH.	433	Shr
<i>Gardenia imperialis</i> K. SCHUM.	99	Str
<i>Gardenia ternifolia</i> SCHUM. ET THONN.	342, 523	Shr
<i>Ixora brachypoda</i> DC.	329, 482, 761	Shr, Str
<i>Ixora coccinea</i> L.	404	Shr
<i>Ixora laxiflora</i> SM.	799	Shr
<i>Leptactinia densiflora</i> HOOK. f. var. <i>densiflora</i>	770	Cli
<i>Leptactinia densiflora</i> HOOK. f. var. <i>glabra</i> HUTCH. ET DALZ.	239	Cli
<i>Massularia acuminata</i> (G. DON) BULLOCK EX HOYLE	31, 267	Shr
<i>Mitragyna ciliata</i> AUBRÉV. ET PELLEGR.	88, 261	Str, Btr
<i>Morelia senegalensis</i> A. RICH. EX DC.	361, 488	Shr
<i>Morinda longiflora</i> G. DON	94, 160	Cli
<i>Morinda lucida</i> BENTH.	28, 320, 339	Str, Btr
<i>Morinda morindoides</i> (BAKER) MILNE-REDH.	192, 559	Cli
<i>Mussaenda elegans</i> SCHUM. ET THONN.	236	Cli
<i>Mussaenda erythrophylla</i> SCHUM. ET THONN.	307	Cli
<i>Mussaenda tenuifolia</i> BENTH.	637	Cli
<i>Nauclea diderichii</i> (DE WILD.) MERRILL	780	Btr
<i>Nauclea latifolia</i> SM.	65, 296, 432	Shr, Str
<i>Oxyanthus formosus</i> HOOK. f. EX PLANCH.	618	Shr
<i>Oxyanthus speciosus</i> DC.	25, 263	Shr, Str
<i>Oxyanthus subpunctatus</i> (HIERN) KEAY	747	Shr
<i>Oxyanthus unilocularis</i> HIERN	251, 293	Str
<i>Pauridiantha afzelii</i> (HIERN) BREMEK.	538	Shr
<i>Pauridiantha hirtella</i> (BENTH.) BREMEK.	693	Str
<i>Pavetta corymbosa</i> (DC.) F. N. WILLIAMS	291	Shr

<i>Pavetta cf. corymbosa</i> (DC.) F. N. WILLIAMS	32, 459	Shr
<i>Pavetta lasioclada</i> (K. KRAUSE) MILDBR. EX BREMEK.	496	Shr
<i>Polycoryne fernandensis</i> (HIERN) KEAY	138	Cli
<i>Psychotria psychotrioides</i> (DC.) ROBERTY	484	Str
<i>Rothmannia megalostigma</i> (WERNHAM) KEAY	530	Btr
<i>Rothmannia urcelliformis</i> (HIERN) BULLOCK EX ROBYNS	593	Str
<i>Rothmannia whitfieldii</i> (LINDL.) DANDY	381	Str
<i>Rutidea parviflora</i> DC.	349	Cli
<i>Rytigynia canthioides</i> (BENTH.) ROBYNS	249, 343	Cli, Shr
<i>Sacosperma paniculatum</i> (BENTH.) G. TAYLOR	556	Cli
<i>Sherbournia bignoniiflora</i> (WELW.) HUA	200	Cli
<i>Sherbournia calycina</i> (G. DON) HUA	270	Cli
<i>Tarennia vignei</i> HUTCH. ET DALZ. var. <i>subglabra</i> KEAY	672	Str
<i>Tricalysia macrophylla</i> K. SCHUM.	622	Btr
<i>Tricalysia okelensis</i> HIERN	458	Str
<i>Vangueriopsis spinosa</i> (SCHUM. ET THONN.) HEPPER	378	Str
<i>Vangueriopsis vanguerioides</i> (HIERN) ROBYNS	479	Shr
RUTACEAE		
<i>Fagara lepieurii</i> (GUILL. ET PERR.) ENGL.	271, 597	Cli, Btr
<i>Fagara zanthoxyloides</i> LAM.	461, 517	Shr, Str
SAPINDACEAE		
<i>Allophyllus africanus</i> P. BEAUV. f. <i>africanus</i>	486	Str
<i>Allophyllus africanus</i> P. BEAUV. f. <i>chrysothrix</i> RADLK.	245	Cli
<i>Aporrhiza urophylla</i> GILG	812, 742, 671	Str, Btr
<i>Blighia sapida</i> KONIG	294, 308	Str, Btr
<i>Blighia welwitschii</i> (HIERN) RADLK.	259	Str
<i>Deinbollia grandifolia</i> HOOK. f.	641	Str
<i>Deinbollia pinnata</i> SCHUM. ET THONN.	93	Shr
<i>Eriocoelum pungens</i> RADLK. EX ENGL.	687	Str
<i>Lecaniodiscus cupanioides</i> PLANCH. EX BENTH.	332, 481	Shr, Str
<i>Lychnodiscus dananensis</i> AUBRÉV. ET PELLEGR.	242	Str
<i>Majidea fosteri</i> (SPRAGUE) RADLK.	607	Btr
<i>Paullinia pinnata</i> L.	106, 526A	Cli
<i>Placodiscus pseudostipularis</i> RADLK.	735	Str
SAPOTACEAE		
<i>Achras zapota</i> L.	403	Btr
<i>Afrosersalisia afzelii</i> A. CHEV.	409, 557	Btr
<i>Butyrospermum paradoxum</i> (GAERTN. f.) HEPPER	333	Btr
<i>Chrysophyllum albidum</i> G. DON	654	Btr
<i>Chrysophyllum welwitschii</i> ENGL.	95, 544, 572	Cli, Shr
<i>Ituridendron bequaertii</i> DE WILD.	221	Btr
<i>Malacantha alnifolia</i> (BAK.) PIERRE	295	Str
<i>Manilkara spec.</i>	535	Btr
<i>Mimusops kummel</i> BRUCE EX A. DC.	495, 526	Str, Btr
<i>Omphalocarpum elatum</i> MIERS	645	Btr

<i>Pachystela brevipes</i> (BAK.) BAILL. EX ENGL.	701	Str
cf. <i>Tieghemella heckelii</i> PIERRE EX A. CHEV.	443	Str
<i>Tieghemella heckelii</i> PIERRE EX A. CHEV.	782, 818	Btr
SCYTOPETALACEAE		
<i>Rhaptopetalum beguei</i> MANG.	112, 255	Str
<i>Scytopetalum tieghemii</i> (A.CHEV.) HUTCH. ET DALZ. 56, 126, 174, 669		Btr
SIMARUBACEAE		
<i>Hannoa klaincana</i> PIERRE ET ENGL.	407	Btr
<i>Harrissonia abyssinica</i> OLIV.	208, 334, 515	Shr
SOLANACEAE		
<i>Solanum verbascifolium</i> L.	576	Shr
STERCULIACEAE		
<i>Cola buntingii</i> BAK. f.	777	Str
<i>Cola caricaefolia</i> (G. DON) K. SCHUM.	546	Str
<i>Cola chlamydantha</i> K. SCHUM.	676	Str
<i>Cola gigantea</i> A. CHEV.	299	Btr
<i>Cola</i> cf. <i>gigantea</i> A. CHEV. var. <i>glabrescens</i> BRENNAN ET KEAY	498	Str
<i>Cola lateritia</i> K. SCHUM. var. <i>maclaudii</i> BRENNAN ET KEAY	682, 697	Btr
<i>Cola laurifolia</i> MAST.	362, 500	Str, Btr
<i>Cola millenii</i> K. SCHUM.	331	Str
<i>Cola nitida</i> (VENT.) SCHOTT. ET ENDL.	20	Btr
<i>Cola reticulata</i> A. CHEV.	660	Shr
<i>Heritiera utilis</i> (SPRAGUE) SPRAGUE	781	Btr
<i>Mansonia altissima</i> (A. CHEV.) A. CHEV.	413, 591	Btr
<i>Scaphopetalum amoenum</i> A. CHEV.	738	Shr
<i>Sterculia setigera</i> DEL.	340, 465	Str, Btr
<i>Sterculia tragacantha</i> LINDLEY	109, 336	Btr
<i>Theobroma cacao</i> L.	256	Shr
<i>Triplochiton scleroxylon</i> K. SCHUM.	129	Btr
<i>Waltheria indica</i> L.	149	Shr
TILIACEAE		
<i>Christiana africana</i> DC.	214, 534	Str
<i>Clappertonia ficifolia</i> (WILLD.) DECNE.	159	Shr
<i>Desplatsia chrysoclamys</i> (MILDBR. ET BURRET) MILDBR. ET		
BURRET	114	Shr
<i>Duboscia viridifolia</i> (K. SCHUM.) MILDBR.	578	Btr
<i>Glyphaea brevis</i> (SPRENG.) MONACHINO	12, 810	Shr
<i>Grewia carpinifolia</i> JUSS.	289	Cli
<i>Grewia hookerana</i> EXELL ET MENDONCA	119, 234, 662	Cli, Shr
<i>Grewia malacocarpa</i> MAST.	264, 708	Cli
<i>Grewia mollis</i> JUSS.	298, 477	Str
<i>Nesogordonia papaverifera</i> (A. CHEV.) R. CAPURON	243, 632	Btr
ULMACEAE		
<i>Celtis adolfi-friderici</i> ENGL.	412, 610	Btr
<i>Celtis durandii</i> ENGL.	616	Btr

<i>Celtis philippensis</i> BLANCO	411	Btr
<i>Celtis zenkeri</i> ENGL.	579	Btr
<i>Celtis spec.</i>	613	Btr
<i>Trema orientalis</i> (L.) BL. s. l.	102, 277, 584	Shr
URTICACEAE		
<i>Urera robusta</i> A. CHEV.	178	Shr
VERBENACEAE		
<i>Adhatoda robusta</i> C. B. CLARKE	185	Shr
<i>Avicennia africana</i> P. BEAUV.	191	Btr
<i>Clerodendrum capitatum</i> (WILLD.) SCHUM. ET THONN.	661	Cli
<i>Clerodendrum polycephalum</i> BAKER	309, 466	Shr
<i>Duranta repens</i> L.	394	Shr
<i>Lantana camara</i> L.	148	Shr
<i>Premna hispida</i> BENTH.	547	Shr
<i>Premna lucens</i> A. CHEV.	438, 513	Cli
<i>Tectona grandis</i> L.f.	328	Str
<i>Vitex doniana</i> SWEET	317, 469, 504	Str
<i>Vitex ferruginea</i> SCHUM. ET THONN.	562	Btr
<i>Vitex grandifolia</i> GÜRKE	23, 116	Shr
<i>Vitex rivularis</i> GÜRKE	210	Btr
VIOLACEAE		
<i>Decorsella paradoxa</i> A. CHEV.	815	Shr
<i>Rinorea oblongifolia</i> (C. H. WRIGHT)		
MARQ. EX CHIPP	82, 237, 743, 789	Shr, Str
VITACEAE		
<i>Cissus populnea</i> GUILL. ET PERR.	346, 473	Cli
<i>Cissus producta</i> AFZEL.	173, 376, 783	Cli
<i>Leea guineensis</i> G. DON	218, 511	Shr

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