

**MEDEDELINGEN LANDBOUWHOGESCHOOL
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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**

II. SMALL TREES

R. W. DEN OUTER

*Department of Botany,
Agricultural University, Wageningen, The Netherlands*

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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.

A list of all species considered in alphabetical order, according to family, is published in DEN OUTER (1972).

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 were 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 (DEN OUTER, 1972) 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.

I feel indebted to CHR. VERSTEEGH of whom I learned very much, especially during the time in the Ivory Coast when we collected the material. Furthermore I am most grateful to Professor DR. A. L. STOFFERS of the Laboratory of General Botany at Wageningen for his critical and most valuable comments in reading this manuscript.

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. KEY II, SMALL TREES

Tentative determination key based on characters of the living bark of 180 tree species with a dbh less 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. Exudate present | 2 |
| b. Exudate absent | 30 |
| 2. a. Exudate colourless | 3 |
| b. Exudate coloured | 6 |
| 3. a. Colour slash white with spots | <i>Allanblackia floribunda</i> |
| b. Colour slash pink | 4 |
| 4. a. Slash discolouring purple | 5 |
| b. Slash not discolouring | <i>Spondianthus preussii</i> var. <i>preussii</i> |
| 5. a. Bole round in outline; scales present | <i>Spondias mombin</i> |
| b. Bole undulated in outline; scales absent | <i>Cecropia surinamensis</i> |
| 6. a. Exudate yellow | <i>Garcinia polyantha</i> |
| b. Exudate of a different colour | 7 |
| 7. a. Exudate orange | 8 |
| b. Exudate of a different colour | 9 |
| 8. a. Colour slash white or grey | <i>Harungana madagascariensis</i> |
| b. Colour slash yellow | <i>Vismia guineensis</i> |
| 9. a. Exudate red-brown | 10 |
| b. Exudate white | 14 |
| 10. a. Colour slash red-brown or wine-red | 11 |
| b. Colour slash brown, discolouring dark brown or purple | 13 |
| 11. a. Scales absent; grooves absent | <i>Vismia guineensis</i> |
| b. Scales present | 12 |
| 12. a. Grooves present | <i>Entada africana</i> |
| b. Grooves absent | <i>Ostryoderris stuhlmannii</i> |
| 13. a. Bole with smooth surface | <i>Pterocarpus santalinoides</i> |
| b. Bole with rough surface | <i>Aidia genipiflora</i> |
| 14. a. Colour slash brown | 15 |
| b. Colour slash different | 16 |
| 15. a. Scales present; grooves absent <i>Holarrhena floribunda</i> var. <i>floribunda</i> | |
| b. Scales absent; grooves present | <i>Coula edulis</i> |
| 16. a. Colour slash red-brown or wine-red | 17 |
| b. Colour slash different | 19 |
| 17. a. Scales present; grooves absent | <i>Trichoscypha beguei</i> |
| b. Scales absent | 18 |
| 18. a. Grooves present | <i>Mimusops kummel</i> |

b. Grooves absent	<i>Ficus cf. thonningii</i>	
	<i>Ficus capensis</i>	
19. a. Colour slash white or grey		20
b. Colour slash different		21
20. a. Bole round or oval in outline; surface smooth	<i>Anthostema aubryanum</i>	
b. Bole undulated in outline; surface rough	<i>Tabernaemontana crassa</i>	
21. a. Colour slash white with spots		22
b. Colour slash different		25
22. a. Grooves present		23
b. Grooves absent; scales present		24
23. a. Scales present	<i>Ficus ottoniifolia</i>	
b. Scales absent		151
24. a. Colour bole reddish brown or brown		152
b. Colour bole white-grey	<i>Rauvolfia vomitoria</i>	
25. a. Colour slash pink		26
b. Colour slash yellow		28
26. a. Slash discolouring wine-red or purple:		
leaves simple	<i>Ficus glumosa</i>	
leaves compound	<i>Spondias mombin</i>	
b. Slash not discolouring		27
27. a. Grooves present	cf. <i>Tieghemella heckelii</i>	
b. Grooves absent	<i>Pachystela brevipes</i>	
28. a. Scales present		29
b. Scales absent; grooves present	<i>Calotropis procera</i>	
29. a. Grooves present	<i>Malacantha alnifolia</i>	
b. Grooves absent	<i>Guarea thompsonii</i>	
30. a. Slash discolouring		31
b. Slash not discolouring		107
31. a. Slash discolouring yellow		32
b. Slash discolouring different		34
32. a. Scales and grooves present; colour slash white with spots	<i>Kigelia africana</i>	
b. Scales and grooves absent		33
33. a. Colour slash white or grey	<i>Diospyros canaliculata</i>	
b. Colour slash green	<i>Diospyros soubreana</i>	
34. a. Slash discolouring wine-red or purple		35
b. Slash discolouring brown		62
35. a. Colour slash brown		36
b. Colour slash different		39
36. a. Scales and grooves present	<i>Syzygium guineense</i> var. <i>guineense</i> <i>Syzygium guineense</i> var. <i>macrocarpum</i>	
b. Scales and grooves absent		37
37. a. Dilatating rays present	<i>Neostenanthera hamata</i>	

b. Dilatating rays absent	38
38. a. Leaves shorter than 20 cm	<i>Beilschmiedia mannii</i>
b. Leaves longer than 20 cm	<i>Uapaca guineensis</i>
39. a. Colour slash red-brown or wine-red	40
b. Colour slash different	48
40. a. Grooves absent	41
b. Grooves present	44
41. a. Scales absent	42
b. Scales present	43
42. a. Colour sapwood yellow-brown	<i>Vangueriopsis spinosa</i>
b. Colour sapwood white	<i>Beilschmiedia mannii</i>
43. a. Bole with rough surface	<i>Detarium microcarpum</i>
b. Bole with smooth surface	<i>Lophira lanceolata</i>
44. a. Scales absent	153
b. Scales present	45
45. a. Bole with rough surface	46
b. Bole with smooth surface	47
46. a. Colour sapwood white	<i>Lannea cf. nigritana</i>
b. Colour sapwood yellowish	<i>Parinari curatellifolia</i>
47. a. Colour bole white-grey	<i>Terminalia glaucescens</i>
	<i>Terminalia cf. mollis</i>
b. Colour bole brown	<i>Bridelia ferruginea</i>
48. a. Colour slash white or grey	49
b. Colour slash different	51
49. a. Dilatating rays present	<i>Annona muricata</i>
b. Dilatating rays absent	50
50. a. Colour sapwood yellowish white	<i>Baphia pubescens</i>
b. Colour sapwood reddish brown	<i>Dasylepis cf. brevipedicellata</i>
51. a. Colour slash white with spots	52
b. Colour slash pink	56
52. a. Grooves present, scales absent; bole with a rough surface	<i>Linociera nilotica</i>
b. Grooves absent	53
53. a. Scales present	54
b. Scales absent	55
54. a. Sapwood yellowish with concentric red-brown rings	<i>Ixora brachypoda</i>
b. Sapwood yellowish without rings	<i>Oxyanthus unilocularis</i>
55. a. Colour bole white-grey	<i>Phyllanthus discoideus</i>
b. Colour bole reddish brown	<i>Strephonema pseudocola</i>
56. a. Grooves absent	57
b. Grooves present	60
57. a. Scales absent	58
b. Scales present	154
58. a. Colour sapwood white-pink	<i>Soyauxia velutina</i>

b.	Colour sapwood white or yellowish	59
59. a.	Colour bole dark brown	155
b.	Colour bole white-grey <i>Macaranga hurifolia</i>	
60. a.	Scales present	61
b.	Scales absent; bole with rough surface; sapwood yellow <i>Nauclea latifolia</i>	
61. a.	Colour sapwood white <i>Piliostigma thonningii</i>	
b.	Colour sapwood yellow-brown <i>Oxyanthus speciosus</i>	
62. a.	Colour slash yellow-brown or brown	63
b.	Colour slash different	75
63. a.	Colour slash brown with yellow	64
b.	Colour slash plain brown	69
64. a.	Dilatating rays present	65
b.	Dilatating rays absent	67
65. a.	Grooves absent, scales absent <i>Isolona campanulata</i>	
b.	Grooves present, scales absent	66
66. a.	Bole with rough surface; colour sapwood white <i>Cleistopholis patens</i>	
b.	Bole with smooth surface; colour sapwood yellow with light brown concentric rings <i>Polyalthia oliveri</i>	
67. a.	Colour bole black <i>Diospyros mannii</i> <i>Diospyros gabunensis</i>	
b.	Colour bole not black	68
68. a.	Colour sapwood white <i>Swartzia madagascariensis</i>	
b.	Colour sapwood brown with dark brown or redbrown concentric rings <i>Securidaca longepedunculata</i>	
69. a.	Dilatating rays present cf. <i>Polyceratocarpus</i>	
b.	Dilatating rays absent	70
70. a.	Scales absent, grooves absent	71
b.	Scales present, grooves absent	156
71. a.	Bole with rough surface	159
b.	Bole with smooth surface	72
72. a.	Spines present <i>Macaranga barteri</i>	
b.	Spines absent	73
73. a.	Colour sapwood white <i>Lychnodiscus dananensis</i>	
b.	Colour sapwood different	74
74. a.	Colour sapwood yellowish	161
b.	Colour sapwood green, discolouring dark brown <i>Tibouchina langsdorfiana</i>	
75. a.	Colour slash red-brown or wine-red <i>Grewia mollis</i>	
b.	Colour slash different	76
76. a.	Colour slash white or grey	77
b.	Colour slash different	84
77. a.	Colour slash white with pink	78
b.	Colour slash plain white	79

78. a.	Colour sapwood white	<i>Sterculia setigera</i>	
b.	Colour sapwood yellow-brown	<i>Mitragyna ciliata</i>	
79. a.	Colour sapwood light orange	<i>Tectona grandis</i>	
b.	Colour sapwood different		80
80. a.	Colour sapwood white, with concentric brown rings		81
b.	Colour sapwood white, without concentric brown rings		82
81. a.	Grooves present	<i>Trichilia ornithothera</i>	
b.	Grooves absent	<i>Drepanocarpus lunatus</i>	
82. a.	Grooves present	<i>Trichilia ornithothera</i>	
b.	Grooves absent		83
83. a.	Dilatating rays present	<i>Xylopia aethiopica</i>	
b.	Dilatating rays absent	<i>Stereospermum acuminatissimum</i>	
84. a.	Colour slash white with spots		85
b.	Colour slash different		96
85. a.	Dilatating rays present		86
b.	Dilatating rays absent		87
86. a.	Scales present, grooves absent	<i>Christiana africana</i>	
b.	Scales absent, grooves absent		162
87. a.	Sapwood discolouring blue	<i>Cordia platythyrsa</i>	
b.	Sapwood not discolouring blue		88
88. a.	Colour sapwood with pink		89
b.	Colour sapwood without pink		90
89. a.	Bole with two-pointed spines	<i>Anthocleista nobilis</i>	
b.	Bole without two-pointed spines		164
90. a.	Grooves absent		91
b.	Grooves present		94
91. a.	Scales absent		165
b.	Scales present		92
92. a.	Colour sapwood yellowish	<i>Phyllanthus discoideus</i>	
b.	Colour sapwood white		93
93. a.	Bole with rough surface	<i>Uapaca togoensis</i>	
b.	Bole with smooth surface	<i>Rothmannia urcelliformis</i>	
94. a.	Scales absent	<i>Newbouldia laevis</i>	
b.	Scales present		95
95. a.	Colour sapwood white	<i>Tricalysia okelensis</i>	
b.	Colour sapwood yellow	<i>Morinda lucida</i>	
96. a.	Colour slash pink		97
b.	Colour slash different		101
97. a.	Dilatating rays present		169
b.	Dilatating rays absent		98
98. a.	Grooves present	<i>Nauclea latifolia</i>	
b.	Grooves absent		99
99. a.	Scales present	<i>Antidesma venosum</i>	
b.	Scales absent		100
100. a.	Bole with rough surface	<i>Rhizophora racemosa</i>	

	b. Bole with smooth surface	<i>Campylospermum dybowskii</i>	
101.	a. Colour slash yellow		102
	b. Colour slash green		106
102.	a. Sapwood discolouring green	<i>Vitex doniana</i>	
	b. Sapwood not discolouring green		103
103.	a. Grooves present		104
	b. Grooves absent		105
104.	a. Colour slash yellow with dark brown spots	<i>Fagara zanthoxyloides</i>	
	b. Colour slash plain yellow <i>Combretum</i> cf. <i>nigricans</i> var. <i>nigricans</i>		
105.	a. Scales present	<i>Afrormosia laxiflora</i>	
	b. Scales absent	<i>Lonchocarpus sericeus</i>	
106.	a. Colour sapwood white, discolouring green	<i>Vitex doniana</i>	
	b. Colour sapwood yellow-brown with concentric red-brown rings	<i>Securidaca longepedunculata</i>	
107.	a. Colour slash brown		108
	b. Colour slash different		121
108.	a. Colour slash brown with other colours		109
	b. Colour slash plain brown		113
109.	a. Colour slash brown with yellow		110
	b. Colour slash brown with white or white spots		112
110.	a. Colour bole white-grey . <i>Bersama abyssinica</i> subsp. <i>paullinioides</i>		
	b. Colour bole different		111
111.	a. Colour bole brown	<i>Calpocalyx brevibracteatus</i>	
	b. Colour bole green	<i>Memecylon</i> cf. <i>afzelii</i>	
112.	a. Bole with rough surface	<i>Stemonocoleus micranthus</i>	
	b. Bole with smooth surface		171
113.	a. Grooves absent		114
	b. Grooves present		118
114.	a. Scales absent		115
	b. Scales present		172
115.	a. Bole with rough surface	<i>Alchornea cordifolia</i>	
	b. Bole with smooth surface		116
116.	a. Colour sapwood pink-brown	<i>Smeathmannia pubescens</i>	
	b. Colour sapwood different		117
117.	a. Colour sapwood yellowish		173
	b. Colour sapwood white		175
118.	a. Scales present		119
	b. Scales absent		120
119.	a. Colour bole white-grey		176
	b. Colour bole brown	<i>Crossopteryx febrifuga</i>	
120.	a. Colour sapwood brown		177
	b. Colour sapwood yellowish		178
121.	a. Colour slash red-brown or wine-red		122
	b. Colour slash different		129

122. a.	Dilatating rays present	<i>Xylopia parviflora</i>	
b.	Dilatating rays absent		123
123. a.	Colour sapwood pink		124
b.	Colour sapwood different		126
124. a.	Scales present	<i>Parkia africana</i>	
b.	Scales absent		125
125. a.	Slash tangential layered in light and dark wine-red bands	<i>Hymenocardia acida</i>	
b.	Slash not tangential layered; undefined smell	<i>Rhaptopetalum beguei</i>	
126. a.	Colour sapwood white	<i>Eriocoelum pungens</i>	
b.	Colour sapwood yellowish		127
127. a.	Colour slash plain wine-red	<i>Acioa dinklagei</i>	
b.	Colour slash wine-red or purple with other colours		128
128. a.	Colour slash purple with dark brown spots	<i>Panda oleosa</i>	
b.	Colour slash yellowish wine-red with orange spots	<i>Parinari curatellifolia</i>	
129. a.	Colour slash white or grey		130
b.	Colour slash different		133
130. a.	Colour slash white with yellow		131
b.	Colour slash plain white		132
131. a.	Grooves present, scales absent; bole with rough surface	<i>Berlinia grandiflora</i>	
b.	Grooves absent, scales absent; bole with smooth surface		179
132. a.	Dilatating rays present	<i>Monodora tenuifolia</i>	
b.	Dilatating rays absent		181
133. a.	Colour slash white with spots		134
b.	Colour slash different		139
134. a.	Grooves absent		135
b.	Grooves present, scales absent		137
135. a.	Scales absent		185
b.	Scales present		136
136. a.	Bole with rough surface	<i>Casearia inaequalis</i>	
b.	Bole with smooth surface	<i>Strombosia glaucescens</i> var. <i>lucida</i>	
137. a.	Cross section bole undulated	<i>Piptadeniastrum africanum</i>	
b.	Cross section bole round or oval		138
138. a.	Colour sapwood white-pink	<i>Leptaulus daphnoides</i>	
b.	Colour sapwood yellowish white	<i>Cola caricaefolia</i>	
139. a.	Colour slash pink		140
b.	Colour slash different		143
140. a.	Colour sapwood reddish brown	<i>Ficus congensis</i>	
b.	Colour sapwood different		141
141. a.	Colour sapwood pink	<i>Antidesma membranaceum</i>	
b.	Colour sapwood different		142
142. a.	Colour sapwood white	<i>Buchholzia coriacea</i>	

	b. Colour sapwood yellowish	<i>Antidesma venosum</i> <i>Hymenocardia acida</i>	
143.	a. Colour slash yellow		144
	b. Colour slash green		148
144.	a. Colour sapwood light brown		190
	b. Colour sapwood different		145
145.	a. Colour sapwood white	<i>Necepsia afzelii</i>	
	b. Colour sapwood yellowish		146
146.	a. Grooves present, scales absent	<i>Afrormosia laxiflora</i>	
	b. Grooves absent		147
147.	a. Scales absent	<i>Cola millenii</i>	
	b. Scales present	<i>Blighia welwitschii</i>	
148.	a. Colour sapwood white with orange concentric rings	<i>Santaloides afzelii</i>	
	b. Colour sapwood white or yellowish without orange concentric rings		149
149.	a. Colour sapwood white		150
	b. Colour sapwood yellowish		191
150.	a. Bole with rough surface	<i>Tetrorchidium didymostemon</i>	
	b. Bole with smooth surface		194
151.	a. Leaf-top caudate; petiole not winged at base	<i>Holarrhena floribunda</i> var. <i>floribunda</i>	
	b. Leaf-top not caudate; petiole winged at base	<i>Voacanga thouarsii</i>	
152.	a. Leaves opposite	<i>Funtumia elastica</i>	
	b. Leaves alternate	<i>Hura crepitans</i>	
153.	a. Leaves pinnate	<i>Crudia klainei</i>	
	b. Leaves bipinnate	<i>Entada abyssinica</i>	
154.	a. Leaves simple	<i>Uapaca togoensis</i>	
	b. Leaves compound	<i>Trichilia prieureana</i>	
155.	a. Leaves simple	<i>Soyauxia velutina</i>	
	b. Leaves compound	<i>Trichilia monadelpha</i>	
156.	a. Leaves opposite	<i>Corynanthe pachyceras</i>	
	b. Leaves alternate		157
157.	a. Leaves long, more than 20 cm	<i>Protomegabaria stapfiana</i>	
	b. Leaves shorter than 20 cm		158
158.	a. Nerves close together, straight, parallel, almost perpendicular to the midrib	<i>Rhabdophyllum affine</i>	
	b. Nerves otherwise	<i>Oncoba spinosa</i>	
159.	a. Leaves opposite	<i>Gaertnera paniculata</i>	
	b. Leaves alternate		160
160.	a. Leaves compound, digitate	<i>Myrianthus arboreus</i>	
	b. Leaves compound, pinnate	<i>Lecaniodiscus cupanioides</i>	
161.	a. Leaves opposite, simple	<i>Corynanthe pachyceras</i>	
	b. Leaves alternate, compound	<i>Allophyllus africanus</i> f. <i>africanus</i>	

162. a. Leaves simple	163
b. Leaves compound, digitate	<i>Cola chlamydantha</i>
163. a. Leaves covered with hairs; leaf-base cordate; leaf c. 15 cm wide	<i>Christiana africana</i>
b. Leaves not covered with hairs; leaf-base cuneate; leaf c. 7 cm wide	<i>Polyalthia oliveri</i>
164. a. Leaves opposite	<i>Cuviera nigrescens</i> <i>Cuviera acutiflora</i>
b. Leaves alternate	<i>Leptaulus daphnoides</i>
165. a. Leaves opposite	166
b. Leaves alternate	<i>Cleistopholis patens</i>
166. a. Leaves rough, hairy, c. 15 cm wide	<i>Oxyanthus unilocularis</i>
b. Leaves not rough and hairy, less than 15 cm wide	167
167. a. Leaf-base cordate	<i>Canthium subcordatum</i>
b. Leaf-base cuneate	168
168. a. Large interpetiolar stipules present	<i>Gardenia imperialis</i>
b. Small, obscure, interpetiolar stipules present	<i>Rothmannia whitfieldii</i>
169. a. Leaf-base cordate	<i>Cola cf. gigantea</i> var. <i>glabrescens</i>
b. Leaf-base cuneate	170
170. a. Petiole short, c. 0.5 cm	<i>Hexalobus crispiflorus</i>
b. Petiole long, c. 3 cm	<i>Cola laurifolia</i>
171. a. Leaves pinnate	<i>Cassia sieberiana</i>
b. Leaves bipinnate	<i>Bussea occidentalis</i>
172. a. Stipules present	<i>Thecacoris stenopetala</i>
b. Stipules absent	<i>Combretum nigricans</i> var. <i>elliottii</i>
173. a. Leaves simple	<i>Diospyros vignei</i> <i>Microdesmis keayeana</i>
b. Leaves compound	174
174. a. Leaves pinnate; rachis winged	<i>Bersama abyssinica</i> subsp. <i>paullinioides</i>
b. Leaves bipinnate; rachis not winged	<i>Tetrapleura tetraptera</i>
175. a. Leaves pinnate	<i>Stemonocoleus micranthus</i>
b. Leaves bipinnate	<i>Calpocalyx brevibracteatus</i>
176. a. Leaflet c. 2 cm long, 0.5 cm wide	<i>Tamarindus indicus</i>
b. Leaflet c. 12 cm long, 8 cm wide	<i>Isobertlinia doka</i>
177. a. Leaf curvi-nervate	<i>Memecylon fleuryi</i>
b. Leaf pinnati-nervate	<i>Dictyandra arborescens</i>
178. a. Leaves simple; opposite	<i>Psychotria psychotrioides</i>
b. Leaves compound, bipinnate; alternate	<i>Dichrostachys glomerata</i>
179. a. Leaves simple	<i>Rinorea oblongifolia</i>
b. Leaves compound	180
180. a. Leaflet c. 8 cm long	<i>Millettia zechiana</i>
b. Leaflet c. 18 cm long	<i>Kigelia africana</i>
181. a. Leaves simple	182

	b. Leaves compound	184
182.	a. Leaf margin dentate or weakly dentate	183
	b. Leaf margin not dentate <i>Dorstenia smythei</i>	
183.	a. Petiole short, c. 0.5 cm <i>Argomuellera macrophylla</i>	
	b. Petiole long, c. 3.5 cm <i>Maesobotrya barteri</i> var. <i>sparsiflora</i>	
184.	a. One leaflet pro compound leaf, unifoliate <i>Baphia nitida</i>	
	<i>Baphia pubescens</i>	
	b. More than one leaflet pro compound leaf <i>Kigelia africana</i>	
185.	a. Leaves simple	186
	b. Leaves compound <i>Blighia sapida</i>	
186.	a. Leaves opposite <i>Strychnos innocua</i>	
	b. Leaves alternate	187
187.	a. Leaf-top caudate	188
	b. Leaf-top not caudate	189
188.	a. Petiole long, c. 9 cm; stipules absent; leaf c. 8 cm wide	
	<i>Lindackeria dentata</i>	
	b. Petiole shorter, c. 3 cm; stipules present; leaf c. 4 cm wide	
	<i>Mareya micrantha</i>	
189.	a. Leaf rough, c. 15 cm long, c. 8 cm wide; leaf-top rounded	
	<i>Homalium patoklaense</i>	
	b. Leaf not rough, c. 8 cm long, c. 4 cm wide; leaf-top acuminate or acute	
	<i>Flacourtia flavescens</i>	
190.	a. Leaf-margin dentate; leaf c. 20 cm long <i>Claoxylon hexandrum</i>	
	b. Leaf-margin entire; leaf c. 9 cm long <i>Acioa barteri</i>	
191.	a. Leaves opposite	192
	b. Leaves alternate	193
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	b. Leaf not caudate, c. 22 cm long <i>Pauridiantha hirtella</i>	
193.	a. Leaf-margin dentate or serrate <i>Microdesmis keayeana</i>	
	b. Leaf-margin entire	198
194.	a. Leaves opposite <i>Chassalea kolly</i>	
	b. Leaves alternate	195
195.	a. Leaves simple <i>Tetrorchidium didymostemon</i>	
	b. Leaves compound	196
196.	a. Leaves pinnate <i>Deinbollia grandifolia</i>	
	b. Leaves bipinnate	197
197.	a. Leaflet c. 0.3 cm wide <i>Leucaena polycephala</i>	
	b. Leaflet c. 1.2 cm wide <i>Albizia lebbeck</i>	
198.	a. Lower leaf surface with an indumentum of white, stellate hairs	
	<i>Oktoknema borealis</i>	
	b. Lower leaf surface without an indumentum of white, stellate hairs	
	<i>Caloncoba echinata</i>	

4. LEAF DESCRIPTIONS OF SMALL TREES

Leaf descriptions of trees with a dbh of less 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).

***Acioa barteri* (Hook. f. ex Oliv.) Engl. (Ros.), 702**

<i>Leaves</i>	simple, alternate; stipules subulate and entire
blade	elliptic, 6–10 cm long, 3.5–5 cm wide, glabrous
base	cuneate
margin	entire
apex	acuminate
petiole	c. 0.3 cm long

***Acioa dinklagei* Engl. (Ros.), 630**

<i>Leaves</i>	simple, alternate; stipules subulate and entire
blade	oblong-elliptic, 8–15 cm long, 5–7 cm wide
base	rounded
margin	entire
apex	acuminate
petiole	c. 0.7 cm long
<i>Flowers</i>	white

***Afrormosia laxiflora* (Benth. ex Bak.) Harms (Pap.), 274, 304**

<i>Leaves</i>	compound, pinnate, alternate; stipulate
<i>leaflets</i>	9–12, alternate or subopposite; stipels subulate, c. 0.2 cm long
blade	ovate-elliptic to lanceolate, 3–7 cm long, 2.5–5 cm wide, glabrous or sparsely pubescent
base	cuneate, sometimes rounded
margin	entire
apex	acumen emarginate
petiole	c. 7 cm long, tomentose
petiolule	c. 0.5 cm long, tomentose
rachis	12–22 cm long, tomentose
<i>Flowers</i>	white
<i>Fruits</i>	Pods, 5–15 cm long, c. 2.5 cm across, flat, 1–3 seeded, glabrous, glaucous

***Aidia genipiflora* (DC.) Dandy (Rub.), 181**

<i>Leaves</i>	simple, opposite; stipules interpetiolar
blade	oblong or elliptic, 5–17 cm long, 2–7 cm wide
base	cuneate or obtuse

margin	entire
apex	acuminate
nervature	pinnati-nervate with 4-5 main lateral nerves on each side of the midrib
petiole	c. 0.8 cm long
Fruits	globose, crowned by the persistent calyx tube, $\varnothing$ 1-1.2 cm

***Albizia lebbeck* (L.) Benth. (Mim.), 620**

<i>Leaves</i>	compound, bipinnate, alternate; stipulate; leaves with 2-4 pairs of opposite pinnae, each pinna with 3-11 pairs of opposite leaflets, paripinnate
<i>leaflets</i>	
blade	elliptic-oblong, 1.5-4.8 cm long, 0.8-2.4 cm wide, the terminal pairs more or less obovate; the distal leaf-half smaller than the proximal side leaf-half
base	rounded
margin	entire
apex	rounded to obtuse
petiole	c. 7 cm long
petiolule	0-0.1 cm long
rachis	c. 6 cm long
Fruits	shiny green pod, c. 20 cm long, c. 4 cm across

***Alchornea cordifolia* (Schum. et Thonn.) M.A. (Euph.), 144**

<i>Leaves</i>	simple, alternate; stipulate
blade	broadly ovate, 10-28 cm long, 6.5-16.5 cm wide
base	cordate
margin	crenate
apex	shortly acuminate
nervature	pinnati-nervate, but the basal nerves almost as well developed as the midrib
petiole	5-14 cm long
Fruits	brown, with bright red seeds

***Allanblackia floribunda* Oliv. (Gutt.), 41**

<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
Flowers	white, pink or red
Fruits	mature fruits light brown with a granular surface

***Allophyllus africanus* P. Beauv. f. *africanus* (Sapind.), 486**

<i>Leaves</i>	compound, trifoliolate, alternate; estipulate
<i>leaflets</i>	
blade	obovate, up to 16 cm long and 7.5 cm wide, lower surface sparsely pubescent
base	cuneate
margin	basal half entire, serrate in the upper half
apex	acute
nervature	pinnati-nervate; venation prominently reticulate beneath
petiole	up to 6 cm long, pubescent
petiolule	0–0.1 cm long, pubescent

***Annona muricata* L. (Annon.), 71**

<i>Leaves</i>	simple, distichous; estipulate
blade	obovate, c. 11 cm long, c. 6 cm wide
base	cuneate
margin	entire
apex	acuminate
petiole	c. 0.5 cm long

***Anthocleista nobilis* G. Don (Log.), 163**

<i>Leaves</i>	simple, opposite; interpetiolar ridge
blade	obovate to spatulate, large, commonly more than 20 cm long
base	cuneate
margin	entire
apex	obtuse
petiole	c. 8 cm long, winged at 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

***Anthostema aubryanum* Baill. (Euph.), 542**

<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

***Antidesma membranaceum* M.A. (Euph.), 19**

<i>Leaves</i>	simple, alternate; stipules entire
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blade	oblong-elliptic, 4–15 cm long, 2–6 cm wide; densely pubescent beneath
base	rounded to slightly cordate
margin	entire
apex	acute
petiole	c. 1 cm long, pubescent
<i>Fruits</i>	brown-green, 0.3–0.5 cm long, 0.2–0.4 cm across
<i>Branchlets</i>	pubescent

***Antidesma venosum* Tul. (Euph.), 313, 497, 527**

<i>Leaves</i>	simple, alternate; stipulate, stipules entire
blade	obovate or obovate-elliptic, 3–11 cm long, 1.5–5 cm wide, tomentose beneath
base	cuneate
margin	entire
apex	rounded, obtuse or very shortly and obtusely acuminate
petiole	c. 0.7 cm long, tomentose
<i>Flowers</i>	green-yellow
<i>Fruits</i>	red, ellipsoid, 0.6–0.8 cm long, 0.5–0.7 cm across

***Argomuellera macrophylla* Pax (Euph.), 595**

<i>Leaves</i>	simple, alternate; stipulate
blade	obovate to oblanceolate, 20–40 cm long, 5–13 cm wide
base	acute
margin	sharply serrate
apex	acute
nervature	pinnati-nervate, villous on the midrib and nerves beneath
petiole	c. 0.8 cm, slightly winged, tomentose
<i>Flowers</i>	green-white
<i>Branchlets</i>	softly tomentose

***Baphia nitida* Lodd. (Pap.), 47**

<i>Leaves</i>	compound, unifoliate, alternate; stipulate
<i>leaflets</i>	
blade	ovate to elliptic, 8–12 cm long, 4–6 cm wide, sessile, more or less pubescent on the nerves beneath
base	rounded
margin	entire
apex	acuminate
petiole	1.3–2.5 cm long, swollen at both ends
petiolule	absent
<i>Flowers</i>	white

***Baphia pubescens* Hook. f. (Pap.), 316, 34**

<i>Leaves</i>	compound, unifoliate, alternate; stipulate
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<i>leaflets</i>	
blade	oblong to obovate-oblong, 4–12 cm long, 2–5 cm wide, sessile, sparsely pubescent beneath, becoming glabrescent
base	rounded
margin	entire
apex	caudate
petiole	c. 1 cm long
petiolule	absent
<i>Flowers</i>	white with some yellow

Beilschmiedia mannii (Meisn.) Benth. et Hook. f. (Laur.), 61, 266, 658

<i>Leaves</i>	simple, alternate often subopposite; estipulate
blade	elliptic to oblong, 10–22 cm long, 4–10 cm wide, aromatic smell
base	broadly cuneate
margin	entire
apex	acuminate
petiole	0.6–1.5 cm long
<i>Flowers</i>	green
<i>Fruits</i>	transparent, grey, small

Berlinia grandiflora (Vahl) Hutch. et J. M. Dalz. (Caes.), 166

<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

Bersama abyssinica Fres. subsp. **paullinioides** (Planch.) Verdc. (Melianth.), 11, 107, 642

<i>Leaves</i>	compound, imparipinnate, alternate; stipulate
<i>leaflets</i>	opposite to subopposite, 6–9 pairs, sessile or almost sessile
blade	elliptic, 2.5–13 cm long, 0.8–5 cm wide, glabrous
base	cuneate
margin	dentate, especially near the top
apex	acute
petiole	c. 10 cm long
petiolule	0–0.2 cm long
rachis	c. 20 cm long, winged, especially near the top
<i>Flowers</i>	petals green, sepals purple

Fruits wine-red, felty

Blighia sapida Konig (Sapind.), 308

Leaves compound, often paripinnate, alternate; estipulate
leaflets 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

Fruits mature fruits yellow with pink areas

Blighia welwitschii (Hiern) Radlk. (Sapind.), 259

Leaves compound, pinnate, alternate; estipulate

leaflets alternate to subopposite, 3–4 pairs, the upper most the largest

blade elliptic or oblong, 5–19 cm long, 2–8 cm wide

base cuneate to rounded

margin entire

apex acuminate

petiole 1.5–10 cm long, more or less winged

petiolule c. 0.5 cm long, tomentellous

rachis 0.5–10 cm long, tomentellous, excurrent beyond the insertion of the pseudo-terminal leaflet

Fruits ockre-yellow, c. 6 cm long, c. 3 cm across with vertical ridges

Bridelia ferruginea Benth. (Euph.), 448

Leaves simple, alternate; stipulate

blade elliptic, 3.5–10.5 cm long, 2.5–5.5 cm wide, pubescent beneath

base rounded

margin entire

apex rounded, or very shortly acuminate

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

petiole c. 0.6 cm long, tomentose

Flowers green-yellow

Fruits young fruits smooth, shiny, green

Branchlets pubescent or tomentose

Buchholzia coriacea Engl. (Capp.), 568

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

Bussea occidentalis Hutch. (Caes.), 187, 211, 774

<i>Leaves</i>	compound, bipinnate with 4–7 pairs of (sub)opposite pinnae, alternate; stipulate
<i>leaflets</i>	each pinna with alternate leaflets
blade	elliptic-oblong, 6–10 cm long, 3–4 cm wide
base	somewhat unequal-sided, broadly cuneate
margin	entire
apex	very long acuminate
nervature	midrib on lower leaf surface densely brown tomentose
petiole	c. 10 cm long, densely brown tomentose
petiolule	0.2–0.4 cm long, rugose
rachis	6–23 cm long, densely brown tomentose
<i>Flowers</i>	flowerbuds red-brown, flowers yellow

Caloncoba echinata (Oliv.) Gilg (Flac.), 670

<i>Leaves</i>	simple, alternate; estipulate
blade	oblong-elliptic, 10–30 cm long, 4–10 cm wide
base	rounded to broadly cuneate
margin	entire
apex	abruptly acuminate
petiole	c. 1.3 cm long
<i>Flowers</i>	white
<i>Fruits</i>	orange-yellow, globular, $\varnothing$ 2 cm, covered with long prickles (echinate)

Calotropis procera (Ait.) Ait. f. (Asclep.), 476

<i>Leaves</i>	simple, opposite, sessile; stipules very small
blade	elliptic-obovate or broadly obovate, up to 30 cm long and c. 15 cm wide, glabrous
base	cordate
margin	entire
apex	rounded
nervature	midrib at the base with a cluster of papils
petiole	absent
<i>Flowers</i>	white with a wine-red top
<i>Fruits</i>	young fruits grey-green, felty, $\varnothing$ 5 cm

Calpocalyx brevibracteatus Harms (Mim.), 719, 745

Leaves compound, alternate, bipinnate with 1 pair of opposite pinnae; each pinna imparipinnate with 4–7 pairs of opposite leaflets; stipulate

leaflets

blade oblong or oblong-elliptic, 6–15 cm long, 2–6 cm wide

base rounded

margin entire

apex long acuminate

petiole 1.5–5 cm long

petiolule 0.3–0.7 cm long

Flowers pink

Campylospermum dybowskii V. Tieghem (Ochn.), 64

Leaves simple, alternate; stipulate

blade elliptic to oblong, c. 17 cm long, c. 6 cm wide

base cuneate

margin entire

apex obtuse

petiole c. 0.8 cm long

Flowers yellow

Canthium subcordatum DC. (Rub.), 5, 318

Leaves simple, opposite; stipules interpetiolar

blade broadly ovate to elliptic, 9–20 cm long, 5–17 cm wide

base rounded to slightly cordate

margin entire

apex acuminate

petiole c. 1 cm long

Flowers green-yellow to dirty white; undefined smell

Fruits olive green

Branches straight tree with horizontal branches in the top

Casearia inaequalis Hutch. et Dalz. (Flac.), 644

Leaves simple, alternate; stipulate

blade oblong, 10–12 cm long, 3–3.5 cm wide, glabrous

base cuneate, strongly unequal-sided

margin entire or crenate

apex acuminate

nervature pinnati-nervate, with about 7 pairs of lateral nerves

petiole c. 0.7 cm long

Flowers white

Fruits yellow

Cassia sieberiana DC. (Caes.), 519

Leaves compound, pinnate, alternate; stipulate

<i>leaflets</i>	opposite, 5–8 pairs
<i>blade</i>	elliptic or oblong, 3–10 cm long, 1.5–5 cm wide; lower surface pubescent
<i>base</i>	rounded
<i>margin</i>	entire
<i>apex</i>	shortly subacute to emarginate
<i>petiole</i>	c. 2.5 cm long
<i>petiolule</i>	c. 0.3 cm long, pilose
<i>rachis</i>	up to 20 cm long
<i>Flowers</i>	yellow
<i>Fruits</i>	c. 15 cm long, $\varnothing$ 0.5 cm

***Cecropia surinamensis* Miq. (Morac.), 714**

<i>Leaves</i>	simple, alternate; a pair of stipules cap the bud, leaving cylindrical scars at the nodes
<i>blade</i>	palmatifid often with 7 lobes or peltate, c. 30 cm long, c. 30 cm wide, white pubescent beneath
<i>margin</i>	entire to crenate
<i>apex</i>	of lobes acute
<i>petiole</i>	c. 40 cm long, pubescent
<i>Flowers</i>	light green

***Chassalea kolly* (Schum.) Hepper (Rub.), 640**

<i>Leaves</i>	simple, opposite; stipules interpetiolar
<i>blade</i>	oblong to elliptic, c. 15 cm long, c. 6 cm wide
<i>base</i>	long cuneate
<i>margin</i>	entire
<i>apex</i>	acuminate
<i>petiole</i>	c. 3.5 cm long
<i>Fruits</i>	young fruit pale green with vertical, dark green stripes, globular, $\varnothing$ c. 0.5 cm

***Christiana africana* DC. (Til.), 214, 534**

<i>Leaves</i>	simple, alternate; stipulate
<i>blade</i>	broadly ovate, c. 20 cm long and c. 15 cm wide, stellate-tomentellous, scabrous
<i>base</i>	cordate
<i>margin</i>	entire
<i>apex</i>	acuminate
<i>nervature</i>	palmate-nervate with 7 nerves at the base
<i>petiole</i>	c. 9 cm long, stellate-tomentellous
<i>Flowers</i>	white

***Claoxylon hexandrum* M.A. (Euph.), 741**

<i>Leaves</i>	simple, alternate; stipulate
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blade	oblong-obovate, 17–35 cm long, 8–15 cm wide
base	widely cuneate to rounded
margin	dentate
apex	acute to slightly acuminate
petiole	c. 7 cm long, purplish when young
Flowers	male flowers in rather close racemes, resembling catkins when young

Cleistopholis patens (Benth.) Engl. et Diels (Annon.), 302

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

Cola caricaefolia (G. Don) K. Schum. (Sterc.) 546

<i>Leaves</i>	simple, alternate; stipulate
blade	palmitifid, usually 5 lobes, c. 20 cm long, c. 28 cm wide; each lobe obovate
base	cordate
margin	entire
apex	of each lobe apiculate
nervature	palmiti-nervate; main basal nerves on the lower leaf surface with long, stiff, spreading, simple hairs
petiole	c. 15 cm long, with long, stiff, spreading, simple hairs
Flowers	brown-red

Cola chlamydantha K. Schum. (Sterc.), 676

<i>Leaves</i>	compound, digitate, alternate; stipulate
<i>leaflets</i>	5–9, petiolate or sessile
blade	obovate to elliptic-oblong, up to 60 cm long and 20 cm wide
base	cuneate
margin	entire
apex	apiculate
petiole	c. 20 cm long
petiolule	0–0.2 cm long
Flowers	red-brown
Fruits	red-pink, c. 12 cm long

Cola cf. gigantea A. Chev. var. **glabrescens** Brenan et Keay (Sterc.), 498

<i>Leaves</i>	simple, alternate; stipulate
blade	cordate, 7–45 cm long, 7–44 cm wide, glabrous, coriaceous
base	cordate
margin	broadly undulate
apex	acute
nervature	palmati-nervate
petiole	c. 10 cm long, pubescent
<i>Fruits</i>	covered with brown hairs; up to 15 cm long

Cola laurifolia Mast. (Sterc.), 500

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

Cola millenii K. Schum. (Sterc.), 331

<i>Leaves</i>	simple, alternate; stipulate
blade	palmati-lobed to palmati-fid, usually 5-lobed, c. 11 cm long, c. 11 cm wide
base	cordate
margin	of lobes entire
apex	of lobes acuminate
nervature	palmati-nervate; main basal nerves more or less stellate-pubescent
petiole	c. 2.5 cm long, stellate-pubescent
<i>Fruits</i>	brick-red, obovoid to ellipsoid; c. 6 cm long, c. 3 cm across

Combretum nigricans Lepr. ex Guill. et Perr. var. **elliottii** (Engl. et Diels) Aubrév. (Combr.), 525

<i>Leaves</i>	simple, often opposite; estipulate
blade	lanceolate, c. 10 cm long, c. 2.5 cm wide, glabrous
base	bluntly acute
margin	entire
apex	obtuse
nervature	pinnati-nervate, tufts of hairs in the axils of midrib

- and nerves
 petiole c. 0.7 cm long
Fruits a four-pointed star in cross section, c. 1 cm across
- Combretum cf. nigricans** Lepr. ex Guill. et Perr. var. **nigricans** (Combr.), 467
Leaves simple, often opposite; estipulate
 blade oblong or obovate-elliptic, 6–14 cm long, 2.5–5 cm wide, beneath densely and softly puberulous
 base rounded
 margin entire
 apex acute, to slightly acuminate
 nervature pinnati-nervate
 petiole c. 0.4 cm long, puberulous
- Cordia platythyrsa** Baker (Bor.), 230
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
Sapwood soft
- Corynanthe pachyeras** K. Schum. (Rub.), 581, 625, 792
Leaves simple, opposite; stipules interpetiolar
 blade elliptic to obovate, 14–20 cm long, 4–8 cm wide, glabrous
 base cuneate
 margin entire
 apex bluntly acuminate
 nervature pinnati-nervate with 6–10 main lateral nerves on each side of the midrib
 petiole up to 4 cm long
Branchlets glabrous with short internodes
- Coula edulis** Baill. (Olac.), 48
Leaves 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 pinnati-nervate; midrib flat above, prominent beneath; nerves slightly impressed above, prominent beneath
 petiole 1.5–3 cm long

<i>Flowers</i>	yellowish green; inflorescences paniculate, axillary
<i>Fruits</i>	globular drupes, $\varnothing$ 2 cm
<i>Branches</i>	young branches and young leaves densely, rusty pubescent

Crossopteryx febrifuga (Afzel. ex. G. Don) Benth. (Rub.), 470

<i>Leaves</i>	simple, opposite; stipules interpetiolar
blade	elliptic to suborbicular, c. 8 cm long, pubescent beneath
base	cuneate to rounded
margin	entire
apex	bluntly acute to slightly acuminate
petiole	c. 1 cm long, pubescent
<i>Fruits</i>	subglobose, slightly didymous, reticulate, $\varnothing$ c. 1 cm, black
<i>Branchlets</i>	pubescent

Crudia klainei Pierre ex De Wild. (Caes.), 90

<i>Leaves</i>	compound, pinnate, alternate; stipules c. 1.5 cm long
<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

Cuviera acutiflora DC. (Rub.), 186

<i>Leaves</i>	simple, opposite; stipules interpetiolar, linear, c. 1.2 cm long
blade	oblong, 12–20 cm long, 4–10 cm wide
base	rounded to subcorbate
margin	entire
apex	acuminate
petiole	c. 1 cm long, pilose
<i>Flowers</i>	white
<i>Fruits</i>	green-white
<i>Branchlets</i>	pilose

Cuviera nigrescens (Sc. Elliot ex Oliv.) Wernh. (Rub.), 250

<i>Leaves</i>	simple, opposite; stipules interpetiolar
blade	elliptic, c. 5.5 cm long, c. 2.5 cm wide, glabrous
base	cuneate
margin	entire
apex	caudate
petiole	c. 0.7 cm long, glabrous
<i>Fruits</i>	green-yellow

***Dasylepis* cf. *brevipedicellata* Chipp (Flac.), 225**

<i>Leaves</i>	simple, alternate; stipulate
blade	oblong-elliptic, 12–18 cm long, 5–8 cm wide, coriaceous
base	shortly cuneate
margin	dentate
apex	gradually acuminate
petiole	1–1.6 cm long

***Deinbollia grandifolia* Hook. f. (Sapind.), 641**

<i>Leaves</i>	compound, pinnate, alternate; estipulate
<i>leaflets</i>	alternate or subopposite, 7–10 pairs
blade	oblong to elliptic, 6–28 cm long, 3–11 cm wide, glabrous
base	cuneate
margin	entire
apex	shortly acuminate
petiole	11–27 cm long, stout
petiolule	c. 0.9 cm long, glabrous
rachis	40–60 cm long, glabrous, excurrent beyond the insertion of the pseudo-terminal leaflet
<i>Fruits</i>	orange, globular, $\varnothing$ c. 1.5 cm

***Detarium microcarpum* Guill. et Perr. (Caes.), 457**

<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

***Dichrostachys glomerata* (Forsk.) Chiov. (Mim.), 434**

<i>Leaves</i>	compound, bipinnate, paripinnate, c. 8 cm long, alternate; stipulate; c. 10 pairs of opposite pinnae, each pair often with a rod-like gland in between; each pinna with numerous sessile leaflets
<i>leaflets</i>	
blade	linear-lanceolate, up to 0.8 cm long and 0.2 cm wide, slightly pubescent
base	rounded to cordate
margin	entire

apex	acute
petiole	c. 0.7 cm long, pubescent
petiolule	absent
rachis	c. 7 cm long, pubescent
<i>Flowers</i>	inflorescence a spike, pink from the base to the middle, and yellow from the middle to the top
<i>Fruits</i>	crowded in a head, undulate or much curved, glabrous, shining

***Dictyandra arborescens* Welw. ex Hook. f. (Rub.), 598**

<i>Leaves</i>	simple, opposite; stipules interpetiolar, broadly triangular, c. 0.5 cm long
blade	obovate-elliptic, 12–20 cm long, 5–9 cm wide
base	long cuneate
margin	entire
apex	shortly acuminate
nervature	pinnati-nervate, slightly pubescent beneath in the axils of nerves and midrib
petiole	c. 1 cm long, top half gradually winged

***Diospyros canaliculata* De Wild. (Eben.), 585, 795**

<i>Leaves</i>	simple, alternate; estipulate
blade	oblong, up to 25 cm long and up to 10 cm wide
base	cuneate
margin	entire
apex	acuminate
petiole	c. 1 cm long
<i>Flowers</i>	pale yellow

***Diospyros gabunensis* Gürke (Eben.), 737**

<i>Leaves</i>	simple, alternate; estipulate
blade	oblanceolate-elliptic, up to 38 cm long and 14 cm wide, lower surface densely puberulous
base	cuneate
margin	entire
apex	shortly acuminate
petiole	c. 1.5 cm long
<i>Flowers</i>	flowerbuds black; flower with dirty white petals and black sepals

***Diospyros mannii* Hiern (Eben.), 66, 252, 779**

<i>Leaves</i>	simple, alternate; estipulate
blade	oblong to lanceolate, up to 18 cm long and 8.5 cm wide; lower surface pinkish or greyish white
base	rounded to bluntly cuneate

margin	entire
apex	acuminate
nervature	pinnati-nervate, strigose-pubescent on nerves; tertiary nervation subparallel
petiole	c. 0.7 cm long, pubescent
<i>Flowers</i>	flowerbuds felty brown; petals white with brown tips
<i>Fruits</i>	young fruits covered with yellow-brown hairs
<i>Branchlets</i>	pubescent

***Diospyros soubreana* F. White (Eben.), 582**

<i>Leaves</i>	simple, alternate; estipulate
blade	elliptic, oblong-elliptic or oblanceolate-oblong up to 14 cm long and 6 cm wide; lower surface glabrous, drying dark brown or black
base	cuneate
margin	entire
apex	gradually tapering to a narrowly deltoid acumen
petiole	c. 0.4 cm long

***Diospyros vignei* F. White (Eben.), 44A**

<i>Leaves</i>	simple, alternate; estipulate
blade	drying greyish green beneath
apex	tapering gradually to a rather blunt acumen
<i>Flowers</i>	red-brown

***Dorstenia smythei* Sprague (Morac.), 384**

<i>Leaves</i>	simple, alternate; a pair of stipules cap the bud, leaving cylindrical scars at the nodes
blade	oblong-elliptic or oblanceolate, 5–16 cm long, 1.5–6.5 cm wide
base	cuneate
margin	entire, sometimes dentate
apex	acuminate
petiole	c. 0.5 cm long
<i>Fruits</i>	yellowish; receptacles boat-shaped, 0.9–1.5 cm long and c. 0.5 cm across, with an arm of 1–2.7 cm long at each side

***Drepanocarpus lunatus* (L.f.) G. W. F. Meyer (Pap.), 155**

<i>Leaves</i>	compound, imparipinnate, alternate; armed with a pair of recurved stipular spines; each pinna 5–7 foliolate
<i>leaflets</i>	opposite
blade	oblong-elliptic, up to 4.5 cm long and 2 cm wide, minutely pubescent beneath; terminal leaflet obovate
base	rounded
margin	entire

apex	rounded
petiole	c. 0.7 cm long, pubescent
petiolule	c. 0.1 cm long, pubescent
rachis	c. 2.5 cm long, pubescent
Flowers	light purple
Fruits	broadly sickle-shaped, $\varnothing$ c. 3 cm, flattened

Entada abyssinica Steud. ex A. Rich. (Mim.), 472

Leaves compound, bipinnate, paripinnate, alternate; stipulate; 2–20 pairs of opposite pinnae, each pinna with 22–55 pairs of opposite sub-sessile leaflets

leaflets

blade linear-lanceolate, 0.4–1.2 cm long, 0.1–0.3 cm wide; midrib near one margin of the leaflet

base unequal-sided

margin entire

apex obtuse, with an excurrent midrib

petiole c. 7 cm long

petiolule 0–0.1 cm long

rachis c. 20 cm long

Flowers white-yellow

Entada africana Guill. et Perr. (Mim.), 436

Leaves compound, bipinnate, paripinnate, alternate; stipulate; 3–9 pairs of opposite pinnae, each pinna with 8–24 pairs of opposite leaflets

leaflets

blade oblong-lanceolate, 0.9–4.5 cm long, 0.3–1.5 cm wide; midrib in the middle or near the middle of the leaflet

base unequal-sided

margin entire

apex emarginate to obtuse

petiole c. 8 cm long

petiolule c. 0.1 cm long

rachis c. 12 cm long

Fruits pods up to 38 cm long and 5–8 cm across

Eriocoelum pungens Radlk. ex Engl. (Sapind.), 687

Leaves compound, pinnate, alternate; estipulate

leaflets 2–4 pairs, the uppermost pair the largest

blade elliptic, c. 9 cm long, c. 5 cm wide

base cuneate

margin entire

apex bluntly acuminate

petiole 0–0.3 cm long, pubescent

petiolule	c. 0.5 cm long, pubescent
rachis	c. 5 cm long, pubescent, excurrent beyond the insertion of the pseudo-terminal leaflet
<i>Flowers</i>	green-yellow
<i>Fruits</i>	brick-red with yellow hairs, 1.4–1.8 cm long

Fagara zanthoxyloides Lam. (Rut.), 461

<i>Leaves</i>	compound, imparipinnate, alternate, gland-dotted; estipulate
<i>leaflets</i>	
blade	elliptic, 5–10 cm long, 2–4 cm wide, rigid, glabrous
base	often unequal sided, cuneate
margin	entire
apex	apiculate
petiole	c. 3 cm long
petiolule	c. 0.4 cm long
rachis	c. 6 cm long, with sharp curved prickles
<i>Flowers</i>	green-white
<i>Branchlets</i>	with sharp, curved prickles

Ficus capensis Thunb. (Morac.), 490

<i>Leaves</i>	simple, alternate; a pair of stipules cap the bud, leaving cylindrical scars at the nodes
blade	ovate or elliptic, up to 25 cm long and 12 cm wide, coriaceous
base	rounded
margin	repand-dentate
apex	acute
petiole	c. 4 cm long

Ficus congensis Engl. (Morac.), 507

<i>Leaves</i>	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
<i>Fruits</i>	mature fruits red
	Many aerial-roots

Ficus glumosa Del. (Morac.), 522

<i>Leaves</i>	simple, alternate; a pair of stipules cap the bud, leaving cylindrical scars at the nodes
blade	elliptic, c. 8 cm long, c. 4.5 cm wide

base	cordate
margin	entire
apex	bluntly acute to obtuse
nervature	pinnati-nervate, but one pair of nerves almost as well developed as the midrib; the midrib with a few long, white hairs
petiole	c. 1.5 cm long, with a few long, white, hairs
<i>Fruits</i>	red, $\varnothing$ 0.5 cm

Ficus ottoniifolia (Miq.) Miq. (Morac.), 573

<i>Leaves</i>	simple, alternate; a pair of stipules cap the bud, leaving cylindrical scars at the nodes
blade	oblong or elliptic, 10–20 cm long, 4–8.5 cm wide
base	rounded
margin	entire
apex	acuminate
nervature	pinnati-nervate with 12–22 main lateral nerves; the basal pair of nerves conspicuous and ascending to become the looped intramarginal nerves
petiole	c. 2 cm long
<i>Fruits</i>	green-yellow, c. 1 cm long

Ficus cf. thonningii B1. (Morac.), 541

<i>Leaves</i>	simple, alternate; stipulate; hairs present above the stipules
blade	elliptic to obovate, 5–14 cm long, 2.5–7 cm wide, thin
base	rounded
margin	entire
apex	bluntly acute to slightly acuminate
petiole	1.2–7.5 cm long

Flacourtia flavescens Willd. (Flac.), 288

<i>Leaves</i>	simple, alternate; stipulate
blade	elliptic, c. 7 cm long, c. 3.5 cm wide
base	cuneate
margin	serrate to crenate
apex	obtuse to acute
nervature	pinnati-nervate; venation reticulate
petiole	c. 0.7 cm long
<i>Flowers</i>	yellow-green
<i>Fruits</i>	red

Funtumia elastica (Preuss) Stapf (Apoc.), 612

<i>Leaves</i>	simple, opposite; estipulate
blade	oblong-lanceolate, 12–28 cm long, 3.5–12 cm wide
base	cuneate
margin	slightly undulate

apex	acuminate
nervature	pinnati-nervate, with pits in the axils of the lateral nerves beneath
petiole	c. 0.8 cm long
Gaertnera paniculata Benth. (Rub.), 330	
<i>Leaves</i>	simple, opposite; stipules interpetiolar, two-lobed, each lobe ending in a needle
blade	elliptic to oblong, up to 18 cm long and 7 cm wide, chartaceous
base	cuneate
margin	entire
apex	acutely acuminate
petiole	c. 1 cm long
<i>Flowers</i>	white
Garcinia polyantha Oliv. (Gutt.), 133	
<i>Leaves</i>	simple, opposite; estipulate
blade	oblong-elliptic, 12–30 cm long, 4–12 cm wide, glabrous
base	rounded to cuneate
margin	entire
apex	acute to acuminate
petiole	c. 0.8 cm, glabrous
<i>Flowers</i>	white to light yellow
<i>Fruits</i>	subglobose, $\varnothing$ c. 2 cm, smooth
Gardenia imperialis K. Schum. (Rub.), 99	
<i>Leaves</i>	simple, opposite, more or less sessile; stipules interpetiolar
blade	obovate, 20–50 cm long, 10–23 cm wide
base	with pouches
margin	entire
apex	acute to shortly acuminate
nervature	pinnati-nervate with 13–29 parallel main lateral nerves on each side of the midrib, scabrous, puberulous beneath
petiole	0–0.5 cm long
<i>Flowers</i>	white, c. 20 cm long, in pairs
Grewia mollis Juss. (Til.), 298, 477	
<i>Leaves</i>	simple, alternate; stipulate
blade	oblong-elliptic to oblong-lanceolate, 5–10 cm long, 2–5 cm wide, minute stellate hairs on upper surface; lower surface felty, white-grey
base	unequal-sided, one side cuneate, the other rounded
margin	dentate
apex	acute to acuminate

nervature	3-nerved from the base
petiole	c. 0.7 cm long, tomentose
<i>Flowers</i>	yellow

Guarea thompsonii Sprague et Hutch. (Meliac.), 182

<i>Leaves</i>	compound, imparipinnate, alternate; estipulate
<i>leaflets</i>	alternate, 7-17
blade	lanceolate, 9-24 cm long, 3-9 cm wide, glabrous
base	cuneate
margin	entire
apex	obtuse to acute or acuminate
petiole	7-14 cm long
petiolule	c. 0.8 cm long, thick at the base
rachis	8-30 cm long
<i>Fruits</i>	brown to red-brown, Ø c. 2.5 cm

Harungana madagascariensis Lam. ex Poir. (Gutt.), 314

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

Hexalobus crispiflorus A. Rich. (Annon.), 98

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

Holarrhena floribunda (G. Don) Dur. et Schinz var. **floribunda** (Apoc.), 322, 631

<i>Leaves</i>	simple, opposite; estipulate
blade	ovate-oblong or oblong-lanceolate, 5-18 cm long, 2-8 cm wide, glabrous when young
base	bluntly cuneate
margin	entire

apex	acuminate
petiole	c. 0.7 cm long
<i>Fruits</i>	c. 50 cm long

Homalium patoklaense Aubrév. et Pellegr. (Flac.), 203

<i>Leaves</i>	simple, alternate; stipulate
blade	elliptic, c. 14 cm long, c. 7 cm wide, lower surface densely tomentellous
base	rounded to cordate
margin	drenate
apex	rounded
nervature	pinnati-nervate, midrib often curved
petiole	c. 0.8 cm long, tomentose
<i>Flowers</i>	white

Hura crepitans L. (Euph.), 553

<i>Leaves</i>	simple, alternate; stipulate
blade	cordate, c. 9 cm long, c. 7 cm wide
base	cordate
margin	dentate
apex	acuminate
nervature	pinnati-nervate; lateral nerves almost perpendicular to the midrib
petiole	c. 8 cm long
<i>Flowers</i>	wine-red to brick-red

Hymenocardia acida Tul. (Euph.), 306, 435

<i>Leaves</i>	simple, alternate; stipulate
blade	oblong, elliptic, 4–9 cm long, 1.5–4 cm wide, densely glandular beneath, coriaceous
base	rounded
margin	entire
apex	rounded to obtuse
petiole	c. 1 cm long
<i>Flowers</i>	wine-red
<i>Fruits</i>	wings of the fruit well-developed and ascending

Isobertlinia doka Craib et Stapf (Caes.), 428

<i>Leaves</i>	compound, pinnate, alternate; stipulate
<i>leaflets</i>	usually 3 pairs or occasionally more numerous
blade	ovate or elliptic, up to 20 cm long and 10 cm wide, glabrous
base	unequal-sided, rounded
margin	entire
apex	obtuse to emarginate
petiole	c. 4 cm long, glabrous

petiolule	c. 1.5 cm long
<i>Flowers</i>	flowerbud green, covered with brown hairs; flower white

***Isolona campanulata* Engl. et Diels (Annon.), 22**

<i>Leaves</i>	simple, alternate; estipulate
blade	oblong or oblong-lanceolate, 8–15 cm long, 2–5 cm wide
base	narrowly cuneate
margin	entire
apex	bluntly acuminate
nervature	pinnati-nervate, with 8–10 pairs of lateral nerves prominent beneath and markedly looped about 0.5 cm from the margin
petiole	c. 0.4 cm long
<i>Flowers</i>	yellow
<i>Fruits</i>	narrowly ovoid, lobulate, not ridged, 4–5 cm long, 2–3 cm across

***Ixora brachypoda* DC. (Rub.), 482, 761**

<i>Leaves</i>	simple, opposite, upper leaves subsessile; stipules interpetiolar
blade	oblong or elliptic, 11–27 cm long, 4–11 cm wide
base	rounded
margin	entire
apex	shortly acuminate
petiole	0–0.4 cm long
<i>Flowers</i>	white, corolla tube 4–6 cm long, lobes 0.8–0.9 cm; calyx brown

***Kigelia africana* (Lam.) Benth. (Bign.), 130, 283, 601**

<i>Leaves</i>	compound, imparipinnate, opposite; estipulate
<i>leaflets</i>	opposite, 3–6 pairs plus the terminal one
blade	elliptic, or oblong to lanceolate, up to 20 cm long and 8 cm wide, papery to subcoriaceous
base	cuneate
margin	entire to slightly dentate-serrate in the upper part
apex	rounded to apiculate
petiole	up to 25 cm long
petiolule	0–1 cm long
rachis	up to 60 cm long
<i>Flowers</i>	red
<i>Fruits</i>	grey with black spots, cylindrical, c. 40 cm long, $\varnothing$ 12 cm

***Lannea* cf. *nigritana* (Sc. Elliot) Keay (Anac.), 449**

<i>Leaves</i>	compound, imparipinnate, alternate; estipulate
<i>leaflets</i>	opposite, 3–6 pairs plus the terminal one

blade	lanceolate, c. 5 cm long, c. 1.5 cm wide
base	cuneate
margin	entire
apex	acute
petiole	c. 5 cm long
petiolule	c. 0.2 cm long

***Lecaniodiscus cupanioides* Planch. ex Benth. (Sapind.), 481**

<i>Leaves</i>	compound, paripinnate, alternate; estipulate
<i>leaflets</i>	opposite or nearly so
blade	oblong or elliptic, 6–18 cm long, 4–9 cm wide, glabrous
base	cuneate
margin	entire
apex	acute to obtuse
petiole	c. 4.5 cm long, pubescent
petiolule	c. 0.2 cm long, swollen, white pubescent
rachis	c. 9 cm long, pubescent, excurrent beyond the insertion of the pseudo-terminal leaflet
<i>Fruits</i>	broadly ovoid, 2 cm long, often slightly 2-lobed, tomentellous, yellow

***Leptaulus daphnoides* Benth. (Icac.), 590, 638**

<i>Leaves</i>	simple, alternate; estipulate
blade	elliptic, 3–14 cm long, 1.5–6 cm wide, glabrous
base	cuneate
margin	entire
apex	gradually long-acuminate, the acumen blunt
petiole	0.5–1 cm long, glabrous
<i>Fruits</i>	orange, ellipsoid, c. 1.3 cm long and 1 cm across

***Leucaena polycephala* (Lam.) De Wit (Mim.), 105**

<i>Leaves</i>	compound, bipinnate, alternate; stipulate; pinnae opposite, about 5 pairs; each pinna with about 12 pairs of opposite, sessile leaflets
<i>leaflets</i>	
blade	lanceolate, slightly falcate, c. 1 cm long, c. 0.3 cm wide, slightly pubescent; midrib not quite in the middle
base	unequal-sided
margin	entire
apex	acute
petiole	c. 5 cm long, pubescent
petiolule	absent
rachis	c. 9 cm long, pubescent
<i>Flowers</i>	white

***Lindackeria dentata* (Oliv.) Gilg (Flac.), 16**

<i>Leaves</i>	simple, alternate; stipulate
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blade	oblong-elliptic to ovate, 15–22 cm long, 7–12 cm wide
base	rounded
margin	irregular dentate or almost entire
apex	acuminate
petiole	c. 10 cm long
<i>Fruits</i>	green, globular, ø 2 cm, covered with prickles

***Linociera nilotica* Oliv. (Oleac.), 524**

<i>Leaves</i>	simple, opposite, estipulate
blade	elliptic, c. 11 cm long, c. 5 cm wide
base	cuneate
margin	entire
apex	bluntly acute
nervature	pinnati-nervate, with glands in the axils of midrib and nerves
petiole	c. 1.2 cm long, red-brown
<i>Flowers</i>	white, with a nice smell
<i>Fruits</i>	purple-blue to dark blue

***Lonchocarpus sericeus* (Poir.) H.B. et K. (Pap.), 505**

<i>Leaves</i>	compound, often paripinnate, alternate; stipulate
<i>leaflets</i>	opposite, pubescent
blade	elliptic to oblong, c. 12 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

***Lophira lanceolata* V. Tieghem ex Keay (Ochn.), 347**

<i>Leaves</i>	simple, alternate, often in terminal clusters; stipulate
blade	lanceolate or oblanceolate, c. 20 cm long, c. 4.5 cm wide
base	cuneate
margin	entire
apex	obtuse or emarginate
nervature	pinnati-nervate; nerves numerous, parallel, indistinct
petiole	1.5–6.5 cm long

***Lychnodiscus dananensis* Aubrév. et Pellegr. (Sapind.), 242**

<i>Leaves</i>	compound, pinnate, alternate; estipulate
<i>leaflets</i>	5–6 on each side of the rachis, alternate
blade	elliptic to ovate-oblong, 10–40 cm long, 4–14 cm wide, pubescent beneath, often silvery

base	cuneate
margin	entire
apex	acute
nervature	pinnati-nervate with 20–22 parallel main lateral nerves on each side of the midrib
petiole	10–17 cm long, rusty pubescent
petiolule	c. 0.5 cm long, rusty pubescent
rachis	17–31 cm long, rusty pubescent, excurrent beyond the insertion of the pseudo-terminal leaflet
<i>Fruits</i>	grey-white, 3–4 cm long, 2.5–3 cm across, 3-lobed, bristly tomentose outside; inner side carpel dark wine-red; seeds dark orange

Macaranga barteri M.A. (Euph.), 42, 188, 366

<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	6 cm long
<i>Flowers</i>	light reddish brown

Macaranga hurifolia Beille (Euph.), 59

<i>Leaves</i>	simple, alternate; stipules up to 1 cm long
blade	broadly ovate, densely glandular beneath, 9–18 cm long, 6–15 cm wide
base	rounded
margin	dentate
apex	shortly acuminate
nervature	pinnati-nervate; midrib and nerves pilose with white hairs
petiole	3–18 cm long, pilose with white hairs
<i>Flowers</i>	green-yellow
<i>Fruits</i>	globose, $\varnothing$ c. 0.3 cm
<i>Branchlets</i>	pilose with white hairs

Maesobotrya barteri (Baill.) Hutch. var. **sparsiflora** (Sc. Elliot) Keay (Euph.), 36

<i>Leaves</i>	simple, alternate; stipules not foliaceous, very small
blade	elliptic to elliptic-obovate, 7–23 cm long, 2–10 cm wide, glabrous
base	rounded
margin	slightly dentate
apex	gradually acutely acuminate
petiole	c. 4 cm long

Flowers flowerbuds red; flowers red-white
Fruits fleshy, c. 1.3 cm long and across, red to pink

***Malacantha alnifolia* (Bak.) Pierre (Sapot.), 295**

Leaves simple, alternate, in terminal tufts; estipulate
 blade obovate-elliptic, up to 23 cm long, 6–12 cm wide, tomentose, scabrous
 base rounded to slightly cuneate
 margin entire
 apex obtuse to rounded
 nervature pinnati-nervate with 15–20 pairs of very prominent lateral nerves
 petiole c. 0.7 cm long, tomentose
Fruits ellipsoid, apiculate, up to 2.5 cm long, pubescent
Branchlets tomentose

***Mareya micrantha* (Benth.) M.A. (Euph.), 176, 813**

Leaves simple, alternate; stipulate
 blade oblong-elliptic, obovate or oblanceolate, 8–24 cm long, 3–9 cm wide
 base cuneate or obtuse
 margin slightly dentate
 apex acuminate
 nervature pinnati-nervate, midrib and nerves on lower surface pubescent
 petiole 1.7 cm long, pubescent
Flowers white; spikes up to 39 cm long
Fruits 3-lobed, $\varnothing$ c. 0.4 cm
Branchlets pubescent

***Memecylon* cf. *afzelii* G. Don (Melast.), 387**

Leaves simple, opposite; estipulate
 blade elliptic to lanceolate, 5–12 cm long, 1.5–6 cm wide
 base cuneate
 margin entire
 apex gradually long acuminate
 nervature pinnati-nervate; midrib prominent, nerves indistinct
 petiole c. 0.4 cm long
Flowers blue, small
Fruits green-blue

***Memecylon fleuryi* Jacques Félix (Melast.), 636**

Leaves simple, opposite; estipulate
 blade elliptic, 10–14 cm long, 4–7 cm wide

base	rounded
margin	entire
apex	acuminate
nervature	curvi-nervate, one pair of nerves as strongly developed as the midrib
petiole	0.8–1.1 cm long
Flowers	flowerbud white; flower blue-purple
Fruits	green-blue

Microdesmis keayana Léon. (Euph.), 30, 415

<i>Leaves</i>	simple, alternate; stipulate
blade	oblong to oblong-ovate, up to 15 cm long and 5 cm wide
base	cuneate, often unequal-sided
margin	dentate
apex	caudate
petiole	c. 0.4 cm long, sparingly pubescent
Flowers	pale yellow
Fruits	globose, muricate, $\varnothing$ 0.7 cm

Millettia zechiana Harms (Pap.), 7, 809

<i>Leaves</i>	compound, imparipinnate, alternate; stipulate
<i>leaflets</i>	7–8 pairs and a terminal leaflet
blade	elliptic-oblong, 5–12 cm long, 1.5–6 cm wide; minutely pubescent beneath
base	cuneate to rounded
margin	entire
apex	caudate
petiole	c. 3 cm long
petiolule	c. 0.3 cm long, pubescent
rachis	c. 9 cm long, slightly pubescent
Flowers	purple, pink or white

Mimusops kummel Bruce ex A.DC. (Sapot.), 526

<i>Leaves</i>	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.), 261

<i>Leaves</i>	simple, opposite; large interpetiolar stipules
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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, as a rule still ciliate calyx

Monodora tenuifolia Benth. (Annon.), 520

Leaves	simple, alternate; estipulate
blade	obovate-oblong, c. 10 cm long, 4–5.5 cm wide
base	rounded
margin	entire
apex	obtuse or bluntly acute
petiole	c. 0.5 cm long
Flowers	yellow or white with red-brown spots
Fruits	ovoid, not ribbed, about 10 cm long and 8.5 cm across

Morinda lucida Benth. (Rub.), 339

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
Fruits	mature fruits green, with conrescences, globular, $\varnothing$ 4 cm

Myrianthus arboreus P. Beauv. (Morac.), 15

Leaves	compound, digitate, alternate; a pair of stipules cap the bud, leaving cylindrical scars at the nodes
leaflets	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 0.6 cm long
Flowers	yellow

***Nauclea latifolia* Sm. (Rub.), 296, 432**

<i>Leaves</i>	simple, opposite; stipules interpetiolar, broadest at base, rounded or subacute at apex, 0.3–0.7 cm long
blade	broadly elliptic to orbicular-ovate, 10–21 cm long, 7–12 cm wide
base	shortly cuneate to rounded or subcordate
margin	entire
apex	abruptly and shortly acuminate
petiole	1–2 cm long
<i>Fruits</i>	pink to grey-green with many small dots
<i>Branchlets</i>	arching

***Necepsia afzelii* Prain (Euph.), 385**

<i>Leaves</i>	simple, alternate; stipulate
blade	obovate-oblong, 10–25 cm long, 6–9 cm wide, glabrous
base	widely cuneate
margin	dentate
apex	acute
petiole	c. 1.5 cm long
<i>Fruits</i>	3-lobed, $\varnothing$ c. 1 cm, setose

***Neostenanthera hamata* (Benth.) Exell (Annon.), 673**

<i>Leaves</i>	simple, alternate; estipulate
blade	oblong-lanceolate, 7–14 cm long, 3.5–5 cm wide; rusty-pubescent beneath
base	rounded
margin	entire
apex	acuminate to caudate
petiole	c. 0.4 cm long, rusty-pubescent
<i>Fruits</i>	mature fruits brown, covered with brown hairs, felty, globular, $\varnothing$ 1 cm
<i>Branchlets</i>	rusty-tomentose

***Newbouldia laevis* (P. Beauv.) Seem. ex Bureau (Bign.), 368, 545, 679**

<i>Leaves</i>	compound, imparipinnate with 3–6 pairs of leaflets, verticillate or opposite; estipulate
<i>leaflets</i>	opposite, sessile
blade	oblanceolate to broadly elliptic, up to 20 cm long and 10 cm wide
base	acuminate, glandular at lower surface
margin	serrate to entire
apex	long acuminate
petiole	c. 10 cm long
petiolule	absent
<i>Flowers</i>	light purple

Fruits c. 30 cm long, the valves 3-nerved; seeds winged at each end, 3.5 cm long

Oktoknema borealis Hutch. et Dalz. (Oktokn.), 371

Leaves simple, alternate; estipulate
blade obovate-oblong to elliptic, 8–30 cm long, 3–11 cm wide, scabrous, with an indumentum of white stellate hairs
base rounded
margin entire
apex acuminate
petiole 0.8–3 cm long, swollen towards the top, covered with stellate hairs

Fruits orange-red

Oncoba spinosa Forsk. (Flac.), 499

Leaves simple, alternate; estipulate; straight spines of several cm long in the leaf axils
blade elliptic, up to 9 cm long and 5 cm wide, glabrous
base cuneate
margin serrate or crenate
apex acuminate
petiole up to 1.2 cm long

Flowers white with many yellow stamens; fragrant

Fruits black, globular, $\varnothing$ 6 cm

Ostryoderris stuhlmannii (Taub.) Dunn ex Harms (Pap.), 456

Leaves compound, imparipinnate, alternate; stipulate
leaflets each leaf with c. 6 pairs of leaflets and a terminal leaflet; each leaflet with stipels
blade ovate-elliptic, glaucous-grey, 8–11 cm long, 3–5.5 cm wide
base rounded
margin entire
apex emarginate
petiole c. 7 cm long
petiolule c. 0.3 cm long

Fruits flat, thin, oblong-linear, up to 15 cm long and 3 cm across

Oxyanthus speciosus DC. (Rub.), 25

Leaves simple, opposite; stipules interpetiolar, c. 1 cm long, triangular, ending in a long point
blade elliptic to oblong, 7–25 cm long, 2–13 cm wide
base rounded or cuneate
margin entire

apex	shortly and broadly acuminate
nervature	pinnati-nervate with 7–10 main lateral nerves on each side of the midrib
petiole	c. 0.9 cm long
Flowers	white, corolla tube 4–5.5 cm long, lobes 0.6–1.2 cm long

Oxyanthus unilocularis Hiern (Rub.), 251, 293

Leaves	simple, opposite; stipules interpetiolar, c. 1.2 cm long
blade	ovate-elliptic, 18–40 cm long, 10–25 cm wide, spreading pilose, scabrous beneath
base	very asymmetrical with one side broadly auriculate
margin	entire
apex	shortly acuminate
petiole	c. 1.2 cm long, pilose
Flowers	corolla tube 13–15.5 cm long, lobes c. 2 cm long
Fruits	Ø c. 2.5 cm
Branchlets	pilose

Pachystela brevipes (Bak.) Baill. ex Engl. (Sapot.), 701

Leaves	simple, alternate, in terminal clusters; stipules linear and c. 1.5 cm long
blade	lanceolate, up to 22 cm long and 7 cm wide, thick, coriaceous, glabrous beneath
base	narrowly cuneate from below the middle of the leaf
margin	entire
apex	acuminate
petiole	0.5–0.7 cm long, twisted
Flowers	yellowish, subsessile

Panda oleosa Pierre (Pand.), 675

Leaves	simple, (resembles compound), alternate; stipulate
blade	elliptic or ovate, 10–18 cm long, 4–8 cm wide
base	unequal-sided and more or less cuneate
margin	undulate to serrate
apex	acuminate
petiole	c. 1 cm long
Fruits	globular, Ø 10 cm, green, 3–4 seeded; a thick exocarp and a hard bony endocarp

Parinari curatellifolia Planch. ex Benth. (Ros.), 273, 445

Leaves	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 above, situated 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

***Parkia africana* R. Br. (Mim.), 315**

<i>Leaves</i>	compound, bipinnate, alternate; stipulate; 6–11 pinnae on each side of the rachis; each pinna c. 13 cm long with 14–30 sessile leaflets on each side of the rachis; leaflets alternate
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leaflets

blade	linear, c. 1.5 cm long, c. 0.4 cm wide
base	proximal side more developed than the distal side
margin	entire
apex	bluntly acute
petiole	c. 9 cm long
petiolule	absent
rachis	c. 18 cm long

***Pauridiantha hirtella* (Benth.) Bremek. (Rub.), 693**

<i>Leaves</i>	simple, opposite; interpetiolar stipules ovate-lanceolate, 1.3–2.5 cm long, 0.7–1.1 cm across
blade	oblanceolate, c. 25 cm long, 5–8 cm wide, pubescent beneath
base	long cuneate
margin	entire
apex	acute or abruptly acuminate
nervature	pinnati-nervate with about 20 pairs of lateral nerves
petiole	c. 2 cm long, pilose
<i>Flowers</i>	green-white, stamen blue

***Phyllanthus discoideus* (Baill.) M.A. (Euph.), 228, 442**

<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>Fruits</i>	green, translucent berries

***Piliostigma thonningii* (Schum.) Milne-Redh. (Caes.), 292**

<i>Leaves</i>	simple or unifoliolate, bilobed, alternate; stipulate
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blade	cordate, 7.5–16 cm long, 10–18 cm wide, finely pubescent beneath
base	cordate
margin	entire
apex	deeply emarginate
nervature	palmati-nervate; midrib with glands at the base and at the top ending outside the blade in a small needle
petiole	c. 3 cm long, finely pubescent
Flowers	flowerbuds grey-green, covered with brown hairs; flower white

Piptadeniastrum africanum (Hook. f.) Brenan (Mim.), 193

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

Polyalthia oliveri Engl. (Annon.), 414, 703, 784

<i>Leaves</i>	simple, alternate; estipulate
blade	ovate-oblong, 10–20 cm long, 4.5–7.5 cm wide
base	cuneate
margin	entire
apex	tapering into a long acumen
petiole	c. 0.5 cm long
Fruits	several stipitate, globose carpels; $\varnothing$ 0.5–0.8 cm

cf. **Polyceratocarpus** (Annon.), 619

<i>Leaves</i>	simple, alternate; estipulate
blade	oblong, glabrous, 18–23 cm long, 4–7 cm wide
base	rounded
margin	entire
apex	acuminate
petiole	c. 0.3 cm long, thick
Fruits	orange-red with dark red spots

Protomegabaria stapfiana (Beille) Hutch. (Euph.), 51, 386

<i>Leaves</i>	simple, alternate; stipulate
blade	obovate or elongate-oblong, thinly papery, 15–37 cm long, 8–15 cm wide
base	acuminate
margin	entire
apex	shortly acuminate or rounded
nervature	pinnati-nervate; midrib and nerves pubescent beneath
petiole	c. 3.5 cm long
<i>Fruits</i>	green, resembles Hevea fruit, $\varnothing$ 3–4 cm

Psychotria psychotrioides (DC.) Roberty (Rub.), 484

<i>Leaves</i>	simple, opposite; stipules interpetiolar
blade	elliptic, obovate or suborbicular, 10–20 cm long, 4–14 cm wide, glabrous, coriaceous
base	cuneate
margin	entire
apex	obtuse
petiole	1–2 cm long
<i>Fruits</i>	ellipsoid, strongly ribbed, about 1 cm long and 0.8 cm across with a persistent calyx at apex

Pterocarpus santalinoides L'Hér. ex DC. (Pap.), 487

<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

Rauvolfia vomitoria Afzel. (Apoc.), 27

<i>Leaves</i>	simple, verticillate or opposite; estipulate
blade	elliptic or broadly lanceolate, 8–24 cm long, 3–10 cm wide
base	cuneate
margin	entire
apex	acute
petiole	c. 15 cm long
<i>Fruits</i>	mature fruits red to orange

Rhabdophyllum affine (Hook. f.) V. Tieghem (Ochn.), 247

<i>Leaves</i>	simple, alternate; stipulate
blade	oblanceolate-elliptic, 7–17 cm long, 3–6 cm wide, very thin
base	rounded
margin	slightly undulate
apex	acuminate
nervature	pinnati-nervate; nerves numerous, parallel, very indistinct, close together
petiole	c. 0.2 cm long
<i>Flowers</i>	yellow or red

Rhaptopetalum beguei Mang. (Scytop.), 112, 255

<i>Leaves</i>	simple, alternate; stipulate
blade	elliptic, c. 18 cm long, c. 10 cm wide
base	rounded
margin	entire
apex	bluntly acute
petiole	c. 0.5 cm long
<i>Fruits</i>	orange to yellow

Rhizophora racemosa G. F. W. Meyer (Rhiz.), 154

<i>Leaves</i>	simple, opposite, often in terminal clusters; stipules interpetiolar
blade	oblong-elliptic, 7–14 cm long, 2.5–5 cm wide, coriaceous
base	cuneate
margin	entire
apex	obtuse
nervature	pinnati-nervate; midrib reddish when fresh
petiole	1–2 cm long
<i>Flowers</i>	green-yellow
<i>Fruits</i>	green with brown scales; seeds germinating in the fruit on the tree
<i>Branches</i>	swollen at the nodes

Rinorea oblongifolia (C. H. Wright) Marq. ex Chipp (Viol.), 743, 789

<i>Leaves</i>	simple, alternate; stipulate
blade	elliptic, oblong or oblanceolate, 12–30 cm long, 4–13 cm wide
base	bluntly cuneate
margin	dentate
apex	acuminate
nervature	pinnati-nervate, midrib sparsely puberulous
petiole	c. 4 cm long
<i>Flowers</i>	petals yellow, sepals red
<i>Fruits</i>	brown-black

Rothmannia urcelliformis (Hiern) Bullock ex Robyns (Rub.), 593

<i>Leaves</i>	simple, in whorls of three or opposite; stipules inter-petiolar
blade	oblong, 8–13 cm long, 2–6 cm wide
base	cuneate
margin	entire
apex	slightly, bluntly acuminate
nervature	pinnati-nervate with 5–8 main lateral nerves on each side of the midrib; hairs in the axils of nerves and midrib
petiole	c. 0.7 cm long, pilose
<i>Flowers</i>	corolla tube 4.5–6.5 cm long, lobes 1.5–3 cm long
<i>Fruits</i>	green, globular, $\varnothing$ 8 cm

Rothmannia whitfieldii (Lindl.) Dandy (Rub.), 381

<i>Leaves</i>	simple, in whorls of three or opposite; stipules inter-petiolar
blade	oblong-obovate to oblanceolate, 6–30 cm long, 2–11 cm wide
base	cuneate
margin	entire
apex	acuminate
nervature	pinnati-nervate with 7–12 main lateral nerves on each side of the midrib; venation obvious beneath
petiole	c. 1.2 cm long
<i>Fruits</i>	green-grey with brown spots, $\varnothing$ up to 7 cm, 10-ridged or nearly smooth

Santaloides afzelii (R. Br. ex Planch.) Schellenb. (Conn.), 468

<i>Leaves</i>	compound, pinnate, alternate; estipulate
<i>leaflets</i>	alternate
blade	ovate or oblong to obovate, 3–10 cm long, 1.5–5 cm wide, glabrous
base	rounded
margin	entire
apex	long acuminate, blunt at the end
petiolule	c. 0.2 cm long

Securidaca longepedunculata Fres. (Polyg.), 451, 418

<i>Leaves</i>	simple, alternate; estipulate
blade	oblong-lanceolate, 2–5 cm long, up to 2 cm wide, minutely pubescent beneath
base	cuneate
margin	entire
apex	obtuse
petiole	c. 0.4 cm long, softly pubescent

<i>Flowers</i>	purple
<i>Fruits</i>	samara, total length c. 5 cm, the wing 1.5–2 cm wide and 3.5 cm long
<i>Branchlets</i>	softly pubescent

***Smeathmannia pubescens* Soland. ex R. Br. (Pass.), 540, 752**

<i>Leaves</i>	simple, alternate; stipulate
blade	elliptic to obovate, pubescent beneath, 6–20 cm long (usually 8 cm), 4–7 cm wide
base	rounded
margin	undulately glandular-toothed
apex	shortly acuminate
petiole	c. 0.4 cm long, pubescent
<i>Flowers</i>	flowerbud covered with brown hairs; flower white
<i>Fruits</i>	light pink to brown
<i>Branchlets</i>	tomentose; with 1–3 long glands immediately beneath each stipule

***Soyauxia velutina* Hutch. et Dalz. (Medus.), 60, 710**

<i>Leaves</i>	simple, alternate; stipulate
blade	lanceolate, 8–20 cm long, 3–7 cm wide
base	rounded
margin	entire
apex	long acuminate
nervature	pinnati-nervate, midrib and nerves with long spreading hairs
petiole	c. 0.5 cm long, pubescent
<i>Flowers</i>	white with a nice smell
<i>Fruits</i>	green-brown, c. 2 cm long
<i>Branchlets</i>	with long spreading hairs

***Spondianthus preussii* Engl. var. *preussii* (Euph.), 734**

<i>Leaves</i>	simple, alternate; stipulate
blade	elliptic or obovate
base	rounded
margin	entire
apex	obtuse
nervature	pinnati-nervate with 6–8 pairs of lateral nerves up to 8 cm long, wrinkled at base
petiole	up to 8 cm long, wrinkled at base
<i>Fruits</i>	seeds ellipsoid, 1 cm long, red, shining

***Spondias mombin* L. (Anac.), 518**

<i>Leaves</i>	compound, imparipinnate, alternate; estipulate
leaflets	opposite to subopposite
blade	oblong to lanceolate, c. 9 cm long, c. 4 cm wide

base	cuneate, often asymmetric
margin	entire
apex	bluntly acuminate
nervature	with a characteristic intramarginal nerve
petiole	c. 7 cm long
petiolule	c. 0.5 cm long
<i>Fruits</i>	young fruits green, plum-shaped, c. 3 cm long; edible

***Stemonocoleus micranthus* Harms (Caes.), 8, 63**

<i>Leaves</i>	compound, pinnate, alternate; stipulate
<i>leaflets</i>	4–10, alternate
blade	elliptic or oblong, 5–11 cm long, 3–6 cm wide, glabrous
base	rounded or obtuse
margin	entire
apex	rounded or emarginate
nervature	midrib often curved
petiole	c. 6 cm long
petiolule	c. 0.5 cm long
rachis	6–15 cm long

***Sterculia setigera* Del. (Sterc.), 465**

<i>Leaves</i>	simple, alternate; stipulate
blade	palmati-lobed to cordate, c. 9 cm long, 12 cm wide; upper and especially the 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, 10 cm wide

***Stereospermum acuminatissimum* K. Schum. (Bign.), 587**

<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, c. 60 cm long

Strephonema pseudocola A. Chev. (Combr.), 667, 808

<i>Leaves</i>	simple, alternate; estipulate
blade	oblong-lanceolate, c. 25 cm long, 6–8 cm wide
base	rounded
margin	entire
apex	acutely acuminate
nervature	pinnati-nervate, pilose on the nerves and midrib and in the axils of the nerves; slender parallel tertiary nerves
petiole	c. 1.2 cm long, brown, tomentose
<i>Flowers</i>	flowerbud black; flower white

Strombosia glaucescens Engl. var. **lucida** J. Léon. (Olac.), 717

<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

Strychnos innocua Del. (Log.), 437

<i>Leaves</i>	simple, opposite; interpetiolar ridge
blade	elliptic to obovate, c. 6 cm long, c. 3 cm wide, coriaceous
base	cuneate
margin	entire
apex	obtuse
nervature	distinctly 3- or 5-nerved; nerves pubescent
petiole	c. 0.3 cm long, pubescent
<i>Flowers</i>	yellow-green with a white centre

Swartzia madagascariensis Desv. (Caes.), 430

<i>Leaves</i>	compound, imparipinnate, alternate; stipulate
<i>leaflets</i>	alternate or opposite
blade	elliptic to lanceolate, 3–7 cm long, 1.5–4.5 cm wide, thinly pubescent beneath, especially the midrib
base	rounded
margin	entire

apex	obtuse or emarginate
petiole	c. 4 cm long, pubescent
petiolule	c. 0.2 cm long, pubescent
rachis	c. 7 cm long, pubescent
<i>Flowers</i>	flowerbud green-brown, felty; flower white with yellow and orange stamens

***Syzygium guineense* (Willd.) DC. var. *guineense* (Myrt.), 483**

<i>Leaves</i>	simple, opposite, glandular points present; estipulate
blade	narrowly elliptic to oblong-elliptic, 6–16 cm long, 2–7 cm wide
base	cuneate
margin	entire
apex	acute
petiole	0.5–2 cm long
<i>Flowers</i>	white with many stamens

***Syzygium guineense* (Willd.) DC. var. *macrocarpum* Engl. (Myrt.), 355**

<i>Leaves</i>	simple, opposite, glandular points present; estipulate
blade	broadly elliptic to obovate-elliptic, 7–15 cm long, 3.5–7.5 cm wide
base	cuneate
margin	entire
apex	shortly acuminate
petiole	1–4 cm long
<i>Flowers</i>	white with many stamens

***Tabernaemontana crassa* Benth. (Apoc.), 35**

<i>Leaves</i>	simple, opposite; estipulate
blade	elliptic, obovate or oblong, 13–40 cm long, 6–20 cm wide; lower surface with small black spots
base	cuneate
margin	entire
apex	bluntly acute
petiole	c. 1 cm long
<i>Flowers</i>	white

***Tamarindus indicus* L. (Caes.), 452**

<i>Leaves</i>	compound, paripinnate, alternate; stipulate
<i>leaflets</i>	12–15 pairs, opposite
blade	narrowly oblong, 1.5–3 cm long, 0.5–1 cm wide
base	unequal-sided, rounded
margin	entire
apex	rounded or emarginate
petiole	c. 1.5 cm

petiolule	c. 0.1 cm, pilose
rachis	c. 7 cm, pilose
<i>Flowers</i>	white with red nerves

***Tarenna vignei* Hutch. et Dalz. var. *subglabra* Keay (Rub.), 672**

<i>Leaves</i>	simple, opposite; stipules interpetiolar
blade	oblanceolate or oblong, 5–17 cm long, 1.7–5 cm wide, glabrous
base	long-cuneate, sometimes unequal-sided
margin	entire
apex	caudate
petiole	1–2 cm long
<i>Flowers</i>	corolla tube 0.9–1 cm long, lobes 0.6–0.8 cm long
<i>Fruits</i>	yellow, $\varnothing$ 1.5 cm

***Tectona grandis* L.f. (Verb.), 328**

<i>Leaves</i>	simple, opposite; estipulate
blade	elliptic to obovate, c. 30 cm long, c. 25 cm wide, felty or lower surface
base	long cuneate
margin	entire
apex	acute
nervature	pinnati-nervate
petiole	c. 1 cm, covered with hairs
<i>Flowers</i>	pink to light purple

***Terminalia glaucescens* Planch. ex Benth. (Combr.), 422**

<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>Wood</i>	very fibrous

***Terminalia* cf. *mollis* Laws. (Combr.), 356**

<i>Leaves</i>	simple, alternate; estipulate
blade	elliptic-oblong, 20–35 cm long, 10–18 cm wide, tomentose beneath, coriaceous
base	rounded
margin	entire
apex	rounded

petiole	c. 4 cm long, stout
Fruits	7–10 cm long, 2.5–4 cm across, dry, broadly longitudinally winged

Tetrapleura tetraptera (Schum. et Thonn.) Taub. (Mim.), 608

Leaves	compound, bipinnate, alternate; stipulate; 5–9 pinnae on each side of the rachis, alternate or subopposite; each pinna with 6–12 leaflets on each side of the rachis; leaflets alternate
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leaflets

blade	elliptic or oblong, 1–2 cm long, 0.5–1 cm wide, minute puberulous beneath
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base	rounded
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margin	entire
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apex	rounded or slightly emarginate
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petiole	c. 5 cm long
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petiolule	c. 0.1 cm long, puberulous
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rachis	c. 12 cm long, puberulous
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Flowers	yellow-green, in spikes
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Fruits	c. 20 cm long, cross section a four pointed star, c. 7 cm wide
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Tetrorchidium didymostemon (Baill.) Pax et K. Hoffm. (Euph.), 365, 380

Leaves	simple, alternate; stipulate
blade	oblong-elliptic to obovate, entirely glabrous

base	long cuneate
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margin	entire or dentate
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apex	acuminate
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petiole	c. 0.6 cm long
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Flowers	yellow
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Thecacoris stenopetala (M.A.) M.A. (Euph.), 664, 762

Leaves	simple, alternate; stipulate
blade	elliptic or obovate-elliptic, 5–18 cm long, 2–9 cm wide

base	cuneate to rounded
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margin	entire
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apex	bluntly acuminate
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nervature	pinnati-nervate; midrib with setose hairs beneath
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petiole	c. 0.4 cm long, pubescent
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Flowers	yellow
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Fruits	green-yellow
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Tibouchina langsdorfiana Baill. (Melast.), 695

Leaves	simple, opposite, with an interpetiolar ridge; estipulate
blade	lanceolate, c. 16 cm long, c. 5 cm wide, covered with

	stiff white hairs, scabrous
base	cuneate
margin	entire
apex	acute
nervature	curvi-nervate
petiole	c. 1.5 cm long, covered with stiff white hairs
<i>Flowers</i>	purple
<i>Fruits</i>	green-brown, c. 0.7 cm long
<i>Branchlets</i>	rectangular in cross section, winged

cf. *Tieghemella heckelii* Pierre ex A. Chev. (Sapot.), 443

<i>Leaves</i>	simple, alternate; stipulate
blade	elliptic to obovate, 7–15 cm long, 3–6 cm wide, glabrous
base	cuneate
margin	entire
apex	obtuse to rounded
nervature	pinnati-nervate with numerous faint lateral nerves
petiole	up to 4 cm long

***Tricalysia okelensis* Hiern (Rub.), 458**

<i>Leaves</i>	simple, opposite; stipules interpetiolar, abruptly ending in a sharp needle
blade	elliptic, 6–15 cm long, 2–7 cm wide
base	cuneate
margin	entire
apex	broadly and slightly pointed
petiole	c. 0.5 cm long
<i>Fruits</i>	orange berries

***Trichilia monadelpha* (Thonn.) J. J. De Wilde (Meliac.), 131**

<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

***Trichilia ornithothera* J. J. De Wilde (Meliac.), 369, 652**

<i>Leaves</i>	compound, pinnate; estipulate
<i>leaflets</i>	alternate to subopposite
blade	lanceolate, c. 16 cm long, c. 4 cm wide, lower surface

	covered with small brown hairs
base	cuneate
margin	entire
apex	acuminate
petiole	c. 10 cm long
petiolule	c. 0.7 cm long
rachis	c. 30 cm long
Flowers	white, with a nice smell

Trichilia pricureana A. Juss. (Meliac.), 744

Leaves	compound, imparipinnate; estipulate
leaflets	2-4 pairs of opposite or subopposite leaflets, the odd terminal leaflet larger, the lowest pair the smallest
blade	elliptic-lanceolate or elliptic-oblongate, 4-20 cm long, 2-8 cm wide
base	cuneate
margin	entire
apex	acuminate
petiole	5-12 cm long
petiolule	c. 0.4 cm long
rachis	7-16 cm long
Flowers	white

Trichoscypha beguei Aubrév. et Pellegr. (Anac.), 648, 794

Leaves	compound, imparipinnate, alternate; estipulate
leaflets	opposite, 4-7 pairs plus a terminal one
blade	lanceolate, 8-19 cm long, 2.5-6 cm wide; glabrous above
base	obtuse or rounded
margin	entire
apex	caudate
nervature	midrib pilose on both sides
petiolule	c. 0.5 cm long, pilose
rachis	c. 30 cm long
Flowers	wax white

Uapaca guineensis M.A. (Euph.), 6

Leaves	simple, alternate; stipulate
blade	obovate or elliptic, glabrous, 7-26 cm long, 3-13 cm wide, thinly coriaceous
base	cuneate
margin	undulate
apex	bluntly acute
petiole	1.5-7 cm long, swollen on both ends, leaving large marks on the branches after leaf shed

Uapaca togoensis Pax (Euph.), 441, 475

<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

Vangueriopsis spinosa (Schum. et Thonn.) Hepper (Rub.), 378

<i>Leaves</i>	simple, opposite; stipules interpetiolar, with a linear apex of c. 0.6 cm long
blade	elliptic to obovate, 6–12 cm long, 2.5–7 cm wide, thin, glabrous
base	cuneate
margin	entire
apex	caudate
petiole	c. 0.6 cm long

Vismia guineensis (L.) Choisy (Gutt.), 215, 408

<i>Leaves</i>	simple, opposite; estipulate
blade	oblong or elliptic-lanceolate, c. 8 cm long, 2–4 cm wide, puberulous beneath; black glands present
base	cuneate
margin	entire
apex	acute
petiole	c. 0.6 cm long, puberulous
<i>Fruits</i>	young fruit green, with red-brown spots in longitudinal rows
<i>Flowers</i>	white with small, brown spots

Vitex doniana Sweet (Verb.), 317, 469, 504

<i>Leaves</i>	compound, digitate, opposite, estipulate
<i>leaflets</i>	3–7
blade	obovate to elliptic, the middle ones c. 10 cm long, 4–10 cm wide
base	cuneate
margin	entire
apex	obtuse or rarely shortly apiculate
petiole	c. 11 cm long
petiolule	1–2.5 cm long

<i>Flowers</i>	white
<i>Fruits</i>	young fruit green with white spots

Voacanga thouarsii Roem. et Schult. (Apoc.), 510

<i>Leaves</i>	simple, opposite; estipulate
blade	obovate to lanceolate, 12–25 cm long, 4–10 cm wide
base	cuneate
margin	entire
apex	obtuse
nervature	pinnati-nervate, nerves forming almost right angles with the midrib
petiole	c. 2 cm, winged at base; wings of 2 opposite leaves touching
<i>Flowers</i>	white

Xylopia aethiopica (Dunal) A. Rich. (Annon.), 97

<i>Leaves</i>	simple, alternate; estipulate
blade	elliptic to oblong, up to 15 cm long and 6 cm wide, coriaceous
base	obtuse or rounded
margin	entire
apex	gradually bluntly acuminate
petiole	c. 0.4 cm long, thick

Xylopia parviflora (A. Rich.) Benth. (Annon.), 359

<i>Leaves</i>	simple, alternate; estipulate
blade	ovate-elliptic, 3–8.5 cm long, 2–3.5 cm wide
base	rounded
margin	entire
apex	obtuse or slightly acuminate
nervature	midrib pilose
petiole	c. 0.3 cm long, pilose
<i>Branchlets</i>	pilose

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