

# Annotated catalogue of the flowering plants of São Tomé and Príncipe

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## ABSTRACT

A catalogue of the flowering plants of the islands of São Tomé and Príncipe (Gulf of Guinea) is presented. Flowering plant diversity figures are updated to: 135 families (20 introduced), 624 genera (172 introduced), 1 104 species (301 introduced) plus 15 additional infraspecific taxa. At present 119 taxa (107 species and 12 infraspecific taxa) are known to be endemic to the two islands. The catalogue includes accepted names, synonyms used in recent literature, common names, voucher specimens and information on habit and habitat and on plant uses, particularly medicinally.

## INTRODUCTION

The islands São Tomé and Príncipe (STP) are part of an archipelago of four islands situated in the Gulf of Guinea. These islands resulted from volcanic activity along a NE-SW line of fractures that extends from Mounts Kupe and Manenguba in Cameroun, stretching southward towards St Helena. S.Tomé and Príncipe form a political entity, whereas the two other islands, Bioko and Annobon, are part of Equatorial Guinea. Bioko lies on the continental shelf, and is separated from the mainland by a stretch of water that is less than 100 m deep, but the other three islands apparently have an oceanic origin and are generally thought to have never been linked to the continent (e.g. Exell 1944, 1956). Bioko's flora is similar to that of the neighbouring continent; it has a higher diversity of Angiosperms than those of the other three islands, but lower levels of endemism. Annobon is the furthest away from the mainland. Its flora has characteristics of that of an oceanic island (Exell 1973).

The first studies of the flora of S.Tomé and Príncipe were undertaken at the University of Coimbra, Portugal, by J. Henriques (1838–1928), who based his work on the collections made during the 19th century by A. Moller (1842–1920) and F. Quintas (birth and death dates unknown, collected in 1885–1893). In 1932, A. Exell (1901–1993) visited the four islands in the Gulf of Guinea as part of a four-month expedition, collecting extensively. Resulting from this collecting trip, he eventually published the *Catalogue of the vascular*

*plants of S.Tomé* (Exell 1944), in which 17 new species were described and several new records noted. In the ensuing years, Exell published papers (e.g. Exell & Rozeira 1958) and a supplement to the catalogue (Exell 1956), and finally produced a preliminary checklist, *Angiosperms of the islands of the Gulf of Guinea* (Exell 1973). Other relevant botanists who collected on these islands were A. Chevalier (1873–1956) in 1905, T. Monod (1902–2000) in 1956 and J. Espírito Santo (1901–unknown) in the 1960s–70s.

After a period of 20 years, the interest in the flora of these islands was rekindled through the European-funded ECOFAC project ([www.ecofac.org](http://www.ecofac.org)), as well as by research on medicinal plants. Extensive collecting was done over the last 10 years by Santomean, Belgian and Portuguese collectors. Several studies were published on the flora of the islands (see Figueiredo 1994a for a comprehensive botanical bibliography), but the only published plant diversity list remains Exell's preliminary checklist (1973) which was a simple list of names without vouchers or further information.

Numerous new collections were made over the past 20 years, and it is now possible to improve Exell's list considerably. In this new catalogue we include common names, habit and habitat, medicinal uses and information on the ornamental or food value of the taxa. Recent trends to interlink plant diversity studies, such as conducting comprehensive surveys of useful plants, have resulted in a fresh appreciation for the considerable value of herbaria as untapped data sources. There has also been a resurgence in an appreciation for common names as an important source of information for plant uses. The reliability of such information increases exponentially if the names can be linked to specimens, given that such vouchered anecdotes can be verified by future researchers. In addition, common names represent an important, but sadly vanishing, component of the culture of a country and its peoples. In this paper we create the critically important link between voucher specimens, scientific names in current use, common names, and uses of the plants.

## Phytogeography

The island of S.Tomé in particular, has floristic elements that are remarkable in the context of African phy-

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topography. In this regard, disjunctions of afro-montane taxa are particularly striking. For example, *Melchiora mannii* (Oliv.) Kobuski, which is endemic to S.Tomé, is closely related to a species occurring in the eastern parts of the Democratic Republic of Congo (DRC) and on the Usambara and Uluguru Mountains. More than 2 000 km separate these two species. *Afrocarpus mannii* (Hook.f.) C.N.Page, an endemic of the summit of S.Tomé, is another well-known example of a wide disjunction. Its nearest relative, *Afrocarpus usambarensis* (Pilg) C.N.Page, occurs in eastern Africa. The same type of disjunction is also found in some lowland forest taxa, such as *Lasiodiscus mildbraedii* Engl. This species is distributed in the eastern DRC and, at much lower altitudes, in S.Tomé, in remnants of the lowland forest. A single specimen was also collected in Cameroun.

Narrow afro-montane palaeoendemics are probably remnants of species which were much more widespread during cooler climatic periods, becoming restricted to mountains during warmer periods. When the climate became colder allowing afro-montane taxa to extend to lower altitude, several lowland species became confined to refuges that retained suitable environmental conditions. They may have survived on the island where adverse conditions were ameliorated by the effect of a milder oceanic climate. Exell (1944) suggested that S.Tomé might be of a different 'botanical age' in relation to the other islands in the archipelago, as well as Mount Cameroun, which would explain the confinement of several taxa to that island and their absence from the other mountains on the mainland. He hypothesized that although these mountains might be of the same geological age, S.Tomé might have been the first to become available for colonization and it would contain elements (palaeoendemics) of an older flora which was already confined to refuges when the other local mountains became available for colonization.

### Vegetation

When the islands of S.Tomé and Príncipe were discovered by Portuguese sailors in 1471–1472, they were uninhabited and totally covered with dense tropical rainforest. The occupation of the islands took place in 1486 and with it the establishment of farms (*roças*), initially for the production of sugar cane, later for cocoa and coffee. These had, and still have, a profound impact on the vegetation of the islands. Deforestation was particularly high during the 19th century, when the lowland forests, up to an altitude of  $\pm 1\ 500$  m were almost completely replaced with plantations, with a few original trees kept for shade. When, at the end of the 16th century, sugar cane production was stopped, there was a regeneration of part of the vegetation, giving rise to large patches of secondary vegetation. Several classifications exist for the vegetation of the island of S.Tomé, but the most commonly used one is that of Monod (1960) who divided the island into four regions based on characteristic species. The littoral region includes dunes [with *Ipomoea pes-caprae* (L.) R.Br. subsp. *brasiliensis* (L.) Ooststr., *Canavalia rosea* (Sw.) DC., *Cynodon dactylon* (L.) Pers. and *Sporobolus virginicus* (L.) Kunth] and mangroves (with *Rhizophora harrisonii* Leechm., *Acrostichum aureum* L. and *Pandanus thomensis* Henriq.).

The next region, extending to an altitude of 800 m includes the lowland rainforest that was mostly replaced with cocoa plantations. In the north of the island where rainfall is much lower, there are anthropogenic savannas characterized by grasses and legumes. At an altitude of 800–1 400 m, the mountain rainforest is dominated by Rubiaceae and Euphorbiaceae and many epiphytes, particularly orchids. Among the numerous endemics characteristic of this area, are several trees such as *Trichilia grandifolia* Oliv., *Craterispermum montanum* Hiern, *Tabernaemontana stenosphon* Stapf, *Erythrococca molleri* (Pax) Prain and *Discoclaoxylon occidentale* (Müll.Arg.) Pax & K.Hoffm., and the lianas *Mussaenda tenuiflora* Benth. var. *thomensis* G.Taylor, *Sabicea exellii* G.Taylor and *Ecpoma cauliflora* (Hiern) N.Hallé. The undergrowth is home to species of *Begonia* L. and *Peperomia* Ruiz & Pav., and the very common *Psychotria subobliqua* Hiern and *Calvoa crassinoda* Hook.f.

Above 1 400 m and up to the summit of the island (2 024 m), a mist forest is encountered with the endemic trees *Afrocarpus mannii*, *Melchiora mannii*, *Psychotria guerkeana* K.Schum., *P. nubicola* G.Taylor, and *Peddiea thomensis* Exell occurring. Under the canopy species of *Begonia* and *Tristemma* Juss., *Anthocleista scandens* Hook.f., *Pilea manniana* Wedd. and *P. rivularis* Wedd. are found in numbers. The presence of *Erica thomensis* (Henriq.) Dorr & E.G.H.Oliv. and *Lobelia barnsii* Exell at a higher altitude indicates a tendency towards a mountain grassland. The area of Lagoa Amélia (at  $\pm 1\ 430$  m) has been well collected and its plant diversity is well known. For example, this small area of  $\pm 4$  km<sup>2</sup> has 55 taxa of pteridophytes. The Lagoa (= lake) is the crater of an ancient volcano. It is now a bog surrounded by tree ferns (*Alsophila manniana* (Hook.) R.M.Tryon) and giant begonias (*Begonia crateris* Exell). The bog itself is populated by ferns such as *Nephrolepis cordifolia* (L.) C.Presl var. *pumicicola* (F.Ballard) Hovenkamp & Miyam. (typical of lava-derived soils), *Lycopodiella cernua* (L.) Pic.-Serm. and *Lepisorus excavatus* (Bory ex Willd.) Ching.

The vegetation of Príncipe is similar to that of S.Tomé, with a predominance of representatives of the families Rubiaceae, Euphorbiaceae and Orchidaceae, and a scarcity of Fabaceae taxa. Mangroves also occur there, but savannas are absent. Being an island of much lower altitude (948 m), the forest resembles the low altitude forest in S.Tomé, but the ridges at low altitude tend to show some characteristics of formations that are only found at much higher altitude in S.Tomé. Submontane forest is only recorded on the summit of the island, the Pico do Príncipe.

### Diversity

The flora of S.Tomé and Príncipe has a high diversity and endemism. This issue has been previously covered in the literature (e.g. Figueiredo 1994b). The present work updates the figures of flowering plant diversity to: 135 families (29 introduced), 624 genera (172 introduced), 1 104 species (301 introduced) plus 15 additional infraspecific taxa. At present, 119 taxa (107 species and 12 infraspecific taxa) are known to be endemic to the two islands.

There is only one native gymnosperm in STP, *Afrocarpus mannii* (Hook.) C.N.Page, a species endemic to S.Tomé which is widely planted as an ornamental tree. However, it is rare in the wild where it occurs only at high altitudes. The predominant families in the flora of STP are the Orchidaceae, Rubiaceae and Euphorbiaceae. Together they account for more than half the number of endemic taxa. *Polystachya* Hook. (Orchidaceae) and *Psychotria* L. (Rubiaceae) have the highest levels of endemism. In the remaining families, the endemism of taxa of the genus *Begonia* (Begoniaceae) is noteworthy, particularly that of the gigantic species *B. baccata* Hook.f. and *B. crateris*, which can reach a height of 4 m. Endemic species of *Impatiens* L. (Balsaminaceae) and *Calvoa* Hook.f. (Melastomataceae) are also noteworthy for the ornamental value of their flowers. The pteridophytes are particularly diverse and plentiful in the flora of S.Tomé and Príncipe, with 157 species and 13 endemics. This group has been recently revised (Figueiredo 1998, 2000, 2001, 2002a; Figueiredo & Gascoigne 2001).

## MATERIAL AND METHODS

The collections cited in this catalogue are those of the authors and other recent collectors such as J. Lejoly, S.P. Carvalho, G. Joffroy and G.C. Matos. Only recent collections (from 1990 or later) are cited. Most of the recent collections from the islands are deposited at COI (Paiva, Madureira & Martins), LISC (Carvalho, Figueiredo, Matos) and BRLU (Joffroy, Lejoly, Stévant). The national herbarium in S.Tomé (STPH) has duplicates or the first set of many of the recent collections. Herbarium abbreviations follow Thiers (continuously updated: <http://sweetgum.nybg.org/ih/>).

The nomenclature follows Klopper *et al.* (2006) and AFPD (2009). The synonyms cited in the list were accepted by Exell (1973) or in recent literature.

Common names were mostly obtained from the literature (Rozeira 1958; Silva 1959; Santo 1969; Roseira 1984; Figueiredo 2002b). Medicinal uses were compiled from the literature (Sequeira 1994; Martins 2001; Madureira 2006; Madureira *et al.* 2007) and herbarium specimens.

## LIST OF FLOWERING PLANTS

Accepted names are in bold, synonyms in italics. Common names appear in brackets after the taxon and author's name(s). Abbreviations/symbols used in the list are: \*, introduced; ?, recorded in literature but specimens not known, or doubts about their origin; §, record requiring confirmation; D, distribution in S.Tomé and Príncipe (STP); E, edible; <sup>E</sup>, endemic; H, habit and habitat; M, medicinal (see Appendix); N, notes; O, ornamental; P, Príncipe; ST, S.Tomé; V, voucher(s).

## ACANTHACEAE

(Daniel & Figueiredo 2009)

## ACANTHUS L.

**montanus** (Nees) T.Anderson (*Castanheiro-de-S.Tomé, Cumbo-muala-ve, Cundú-de-muala-vé*)

H: perennial herb with spiny leaves and white flowers, on roadsides and plantations. M: 27; 171. D: STP. V: *Daniel 11183* (CAS, STPH); *Matos 7522* (BRLU, LISC).

## ASYSTASIA Blume

**gangetica** (L.) T.Anderson (*Fiá-mamblêblê, Fiá-qui-sobô, Fiá-qui-sobô-homem, Homê, Mualá*)

H: perennial herb with white flowers dotted purple, on roadsides, cultivated areas, plantations, ruderal. M: 40; 65; 79; 88; 124; 142. D: STP. V: *Figueiredo 207* (LISC); *Matos 7734* (LISC).

## BRACHYSTEPHANUS Nees

<sup>E</sup>**occidentalis** Lindau

H: herb or shrub with white flowers, in montane forest, secondary forest and margins of watercourses. D: ST. V: *Paiva 208* (COI).

## BRILLANTAISIA P.Beauv.

**lamiium** (Nees) Benth. (*Fia-de-mina-grande, Fia-fôgô*)

H: perennial herb with blue flowers, in forest, secondary forest and plantations, ruderal. D: STP. V: *Figueiredo 31* (LISC); *Matos 7737* (LISC).

**owariensis** P.Beauv. (*Mamblêmbê*)

H: herb with blue flowers in secondary forest and on roadsides. D: ST. V: *Figueiredo 213* (LISC).

**vogeliana** (Nees) Benth.

H: herb with white or blue flowers, in rainforest and secondary forest. D: ST. V: *Figueiredo 32* (K, LISC).

## DICLIPTERA Juss.

**verticillata** (Forssk.) C.Chr.

H: herb with blue, purple flowers, in secondary forest, on roadsides. D: STP. V: *Matos 7515* (BRLU, LISC, STPH).

## ELYTRARIA Michx.

**marginata** Vahl (*Focha-anzolo, Santage-basso-café*)

H: herb with white or lilac flowers, in secondary forest, cultivated areas and river margins. M: 16; 51; 59; 96; 173. D: STP. V: *Oliveira 530* (BRLU, STPH), *1351* (BRLU).

## HETERADELPHIA Lindau

<sup>E</sup>**paulowilhelmia** Lindau

H: perennial herb or shrub with purple flowers, in rainforest. D: ST. V: *Matos 7302* (BRLU, LISC).

## HYPOESTES Sol. ex R.Br.

**sp.**

D: ST. N: *Hypoestes* sp. was recorded by Exell (1944) based on the collection *Don s.n.* (BM) and said to be possibly a new species.

## JUSTICIA L.

**tenella** (Nees) T.Anderson

H: herb with pink flowers or white with purple patch on lower lip (Exell 1944), in secondary forest. D: STP. V: *Matos 7393* (BRLU, LISC, STPH); *Oliveira 135/98* (STPH).

<sup>E</sup>**thomensis** Lindau

H: herb. D: ST. N: rare or even extinct plant only known from the type collection [*Souza s.n.* (COI)].

## NELSONIA R.Br.

**smithii** Oerst.

H: herb with creeping stem sending up flowering shoots, flowers white tinged with pink or crimson (Exell 1944), in secondary forest. D: STP. V: *Oliveira 504* (BRLU, LISC), *594* (BRLU, STPH).

**PHAULOPSIS** Willd.**micrantha** (Benth.) C.B. Clarke (*Fia-glavana*)H: herb with white flowers. M: 84; 96; 150. D: ST. V: *Oliveira 264* (STPH).**RHINACANTHUS** Nees**virens** (Nees) Milne-Redh.H: herb with white flowers in secondary forest. D: P. V: *Oliveira 133/98* (BRLU, LISC, STPH).**\*RUELLIA** L.**\*brevifolia** (Pohl) Ezcurra (*Mato-baná, Pega-pega*)H: herb or undershrub with red flowers, in secondary forest. D: ST. V: *Figueiredo 30* (LISC).**STENANDRIOPSIS** S. Moore**thomensis** (Milne-Redh.) HeineH: herb with pink or blue flowers, in forest. D: STP. V: *Lejoly 95/97* (BRLU, LIC, STPH); *Oliveira 547* (BRLU, STPH).**\*AGAVACEAE****\*AGAVE** L.**\*sisalana** Perrine (*sisal*)H: succulent shrub. D: ST. V: *Paiva 128* (COI).**?\*FURCRAEA** Vent.**?\*foetida** (L.) Haw.

N: recorded by Exell (1944) based on the literature; no specimens known.

**AIZOACEAE****SESUVIUM** L.**portulacastrum** (L.) L.

H: perennial herb occurring in coastal areas. E: leaves. D: ST.

**ALANGIACEAE****ALANGIUM** Lam.**chinense** (Lour.) Harms

H: tree up to 22 m high, with white to yellowish flowers, in secondary forest. D: ST.

**?ALLIACEAE****?ALLIUM** L.**?\*cepa** L. (*Cebola*)

N: cultivated for the bulbs, recorded by Exell (1973) based on Silva (1958) without specimen citation.

**?\*sativum** L. (*Alho*)

N: cultivated for the bulbs, recorded by Exell (1973) based on Silva (1958) without specimen citation.

**AMARANTHACEAE****\*ACHYRANTHES** L.**\*aspera** L. (*Fia-ponto, Folha-galo, Folha-ponto, Mato-bana, Papué*)H: herb in plantations. M: 14; 41; 67; 60; 89; 90; 168. D: ST. V: *Madureira & Martins 86* (COI).**ALTERNANTHERA** Forssk.**littoralis** P. Beauv. var. **maritima** (Mart.) Pedersen*maritima* (Mart.) A. St.-Hil.H: succulent prostrate herb, in dunes. D: STP. V: *Paiva 266* (COI).**\*pungens** Kunth (*Piancablá*)H: prostrate herb, on roadsides and cultivated ground. D: STP. V: *Paiva 1051* (COI).**\*sessilis** (L.) DC. (*Quá-quá-clôssó*)H: herb, in plantations and on roadsides, ruderal. M: 48; 54; 96; 124. D: STP. V: *Madureira & Martins 295* (COI); *Paiva 159* (COI).**AMARANTHUS** L.**\*caudatus** L. (*Jimboa*)H: herb, in plantations. E: leaves, seeds. D: ST. V: *Oliveira 201* (BRLU).**\*dubius** Mart. ex Thell.H: herb, ruderal. E: leaves. D: ST. V: *Paiva 263* (COI).**graecizans** L. (*Chimboa, Gimboa*)H: herb, on roadsides. E: leaves. D: ST. V: *Paiva 394* (COI).**\*hybridus** L. subsp. **cruentus** (L.) Thell. (*Gimboa*)H: herb, in cultivated fields. E: leaves, seeds. D: ST. V: *Paiva 1040* (COI).**\*spinus** L. (*Gimboa, Jimboa-brava*)

H: herb. E: leaves. M: 173. D: STP.

**\*viridis** L. (*Belo-viême, Gimboa-doida*)H: herb, on roadsides. E: leaves. M: 124; 173. D: ST. V: *Madureira & Martins 282* (COI).**BLUTAPARON** Raf.**vermiculare** (L.) Mears var. **vermiculare**H: perennial herb, in coastal areas. D: ST. V: *Matos 7271* (LISC).**CELOSIA** L.**\*argentea** L.

H: herb. E: leaves. O. D: ST.

**leptostachya** Benth.H: annual herb, in plantations and on roadsides, ruderal. D: ST. V: *Paiva 160* (COI)**CYATHULA** Blume**prostrata** (L.) Blume var. **pedicellata** (C.B. Clarke) Cavaco (*Fia-bana, Mato-bana, Pegacalato*)H: small prostrate herb, ruderal. D: STP. V: *Figueiredo 218* (LISC); *Paiva 450* (COI).**DEERINGIA** R.Br.**sp.**D: P. N: Exell (1944, 1973) recorded *Deeringia amarantoides* (Lam.) Merr. as an introduced plant in Príncipe (based on Barter 2009 (K)). He cited *D. celosioides* R.Br., nom. illegit, as a synonym. In the AFD (2009) database, *D. celosioides* is accepted as a species endemic to Príncipe.**\*GOMPHRENA** L.**\*globosa** L.

H: annual herb. O. D: ST.

**\*IRESINE** P. Browne**\*herbstii** Lindl.H: herb with red leaves, ruderal. D: ST. V: *Lejoly 93/601* (BRLU).**PUPALIA** Juss.**lappacea** (L.) A. Juss. (*Pega-lato, Pega-rato*)H: herb, on roadsides and cultivated fields, ruderal. M: 67. D: ST. V: *Madureira & Martins 275* (COI).**AMARYLLIDACEAE****CRINUM** L.**jagus** (J. Thomps.) Dandy (*Cebola-cencê, Sabola-cencê*)H: bulbous plant with white flowers, in secondary forest and plantations. M: 12; 33; 50; 66; 85; 186. D: ST. V: *Paiva 458* (COI).**\*HIPPEASTRUM** Herb.**\*puniceum** (Lam.) Kuntze

H: bulbous plant with pink flowers. O. D: STP.

**\*HYMENOCALLIS** Salisb.**\*littoralis** (Jacq.) Salisb. (*Flor-branca, Sabola-cencê*)H: bulbous plant with white flowers. M: 12; 66; 98; 114; 191. D: P. V: *Madureira & Martins 648* (COI).**ANACARDIACEAE****\*ANACARDIUM** L.**\*occidentale** L. (fruit: *Cajú*; tree: *Cajueiro*)H: tree, cultivated and occurring on roadsides. E: fruits, seeds. M: 2; 22; 23; 26; 37; 60; 67; 114; 171. D: STP. V: *Paiva 109* (COI).

**LANNEA** A.Rich.**welwitschii** (Hiern) Engl. (*Mucumbli*)

H: tree, on secondary forest (300–1 500 m). M: 22; 57; 87; 109; 124.  
D: ST. V: *Madureira & Martins 217* (COI).

**\*MANGIFERA** L.**\*indica** L. (fruit: *Manga*; tree: *Mangueira*)

H: large tree with small red or yellow flowers, cultivated and occurring on roadsides. E: fruits. M: 14; 27; 37; 40; 57; 67; 98; 177. D: STP. V: *Madureira & Martins 459* (COI); *Paiva 821* (COI).

**PSEUDOSPONDIAS** Engl.**microcarpa** (A.Rich.) Engl. (*Guegue*, *Safú-d'obô*, *Safú-dodo*, *Zenze*, *Zenzem*)

H: tree with yellowish white flowers (Exell 1944), in secondary forest and on roadsides. M: 62; 124; 157. D: STP. V: *Madureira & Martins 512* (COI); *Paiva 1915* (COI).

**SORINDEIA** Thouars**grandifolia** Engl. (*Gogo*, *Safú-de-obô*)

H: tree, in rainforest and secondary forest. D: ST. V: *Matos 7683* (LISC).

**juglandifolia** (A.Rich.) Planch. ex Oliv.

H: tree, in forest. D: ST. V: *Lejoly 98/236* (BRLU).

**\*SPONDIAS** L.**\*cytherea** Sonn. (fruit: *Cajamanga*; tree: *Cajamangueira*)

*dulcis* Sol. ex Parkinson

H: tree with small white flowers. E: fruits. D: STP. V: *Paiva 799* (COI).

**\*mombin** L. (*Geg*, *Gig*, *Guêgue*, *Guêguê*)

*lutea* L.

H: small tree, in hedges. E: fruits. M: 14; 41; 54; 56; 75; 84; 122. D: STP. V: *Paiva 814* (COI).

**ANISOPHYLLEACEAE****ANISOPHYLLEA** R.Br. ex Sabine**\*cabole** Henriq. (*Cabolé*)

H: tree 35–40 m high (Exell 1944). D: ST. N: an undetermined species of *Anisophyllea* has also been reported from Príncipe. V: *Matos 7237a* (LISC).

**ANNONACEAE****ANNONA** L.**\*cherimola** L. (*Crimola*)

H: small tree. E: fruits. D: ST.

**glabra** L. (*Nona*, *Nona-concha*, *Nopa*, *Nopa-concha*)

H: tree. E: fruits. D: ST.

**\*muricata** L. (*Chabe-chabe*, *Chapo-chapo*, *Coração-da-índia*, *Coração-de-preto*, *Coração-preto*, *Sape-sape*, *Sapo-sapo*)

H: tree. E: fruits. M: 94; 98; 123. D: STP. V: *Paiva 1042* (COI).

**\*reticulata** L. (*Fruta-conde*)

H: tree with reddish flowers, cultivated and occurring in secondary forest. E: fruits. D: STP. V: *Oliveira 225/98* (BRLU), *1435* (BRLU).

**senegalensis** Pers.

*arenaria* Thonn.

H: shrub or small tree. D: ST? N: recorded by Exell (1944, 1973) as *A. arenaria* Thonn., based on *Don s.n.* (BM).

**\*squamosa** L. (*Fruta-pinha*, *Nona*)

H: tree. E: fruits. M: 150. D: ST. V: *Madureira & Martins 435* (COI).

**?\*ASIMINA** Adans.**?\*triloba** (L.) Dunal

D: P? N: a doubtful record from the literature according to Exell (1944, 1973); no specimens known.

**\*CANANGA** (DC.) Hook.f. & Thomson**\*odorata** (Lam.) Hook.f. & Thomson (*Ilangue-ilangue*, *Pompeia*)

H: tree with strongly fragrant flowers. O. M: 138. D: ST. V: *Figueiredo 123* (K).

**MONODORA** Dunal**brevipes** Benth. (*Iobo*)

H: tree, in plantations. D: STP. V: *Paiva 822* (COI).

**myristica** (Gaertn.) Dunal (*Ióbô*, *Iôbo*, *Jobó*, *Xipobó*, *Yobó*)

H: tree, in plantations. M: 2; 20; 57; 98; 99; 146. D: STP. V: *Madureira & Martins 76* (COI), *455* (COI).

**POLYALTHIA** Blume**oliveri** Engl. (*Cabore-de-Bom-Sucesso*, *Inhé-preto*, *Pau-preto*, *Preto*)

H: tall tree with white flowers, in rainforest. M: 20; 22. D: STP. V: *Madureira & Martins 589* (COI); *Oliveira 588* (BRLU).

**UVARIA** L.**ovata** (DC.) A.DC. subsp. **ovata**

*sp. sensu auctt.* Santo (1970), Exell (1973).

H: shrub with yellow flowers forming thickets, in savanna. D: ST. V: *Espírito Santo 4357* (LISC).

**XYLOPIA** L.**aethiopica** (Dunal) A.Rich. (*Cabela*, *Inhé-bobô*, *Noé*, *Pimenta-do-Congo*, *Untué-do-bó*)

H: tree ± 20 m high with fragrant white flowers (Exell 1944), in secondary forest. E: fruits. M: 22; 43; 62. D: STP. V: *Joffroy 147* (BRLU); *Paiva 1473* (COI).

**quintasii** Engl. & Diels

H: tree up to 35 m high, in rainforest. D: ST.

**staudtii** Engl. & Diels (*Inhé-bobé*, *Inhé-branco*, *Inhé-ganso*, *Unué-bolina*)

*africana* (Benth.) Oliv.

H: tree 9–30 m high, in plantations, secondary forest and on roadsides. D: STP. V: *Paiva 943* (COI), *1419* (COI).

**APIACEAE****APIUM** L.**leptophyllum** (Pers.) F.Muell. ex Benth.

H: annual herb. D: P.

**CENTELLA** L.**asiatica** (L.) Urb. (*Fiá-d'olhá*, *Folha-de-orelha*, *Folha-viola*, *Olhadatô*, *Ufiá-copo*)

H: perennial herb with red flowers, creeping and sometimes climbing (Exell 1944). M: 29; 44; 69; 155; 174. D: STP. V: *Figueiredo 115* (K).

**\*ERYNGIUM** L.**\*foetidum** L. (*Celo-sum-zom-maiá*, *Cheiro-de-João-Maria*, *Coentro-de-S.Tomé*, *Jamaia*, *Lamaia*, *Selo-sum-João-Maiá*, *Selo-sum-zon-maiá*)

H: biennial herb. E: leaves. M: 2; 52; 61; 81; 94; 145; 150; 156. D: STP. V: *Paiva 634* (COI), *1149* (COI).

**HYDROCOTYLE** L.**bonariensis** Lam. (*Fiá-copo*, *Fiá-d'olhá*, *Homê-d'olhá*)

H: perennial herb. M: 2; 44; 69; 155; 174. D: STP. V: *Paiva 249* (COI), *1436* (COI).

**mannii** Hook.f.

H: prostrate herb trailing along the ground (Exell 1944). D: ST. V: *Matos 7428* (BRLU, LISC).

**\*PETROSELINUM** Hill**\*crispum** (Mill.) A.W.Hill (*Salsa*)

H: biennial herb. E: leaves. D: ST.

**APOCYNACEAE****\*ASCLEPIAS** L.**\*curassavica** L.

H: herb, in gardens and escaped. O. D: ST. V: *Figueiredo 60* (K).

**\*CASCABELA** Raf.**\*thetvia** (L.) Lippold

*Thevetia peruviana* (Pers.) K.Schum.

H: shrub, with yellow flowers, ruderal. D: ST. V: *Paiva 1297* (COI).

**\*CATHARANTHUS** G.Don**\*roseus** (L.) G.Don (*Lábios-de-mulata*, *Vinca*)

H: shrub or perennial herb, with white flowers with a red or pink centre (Exell 1944), ruderal. M: 118; 171. O. D: ST. V: *Paiva 433* (COI).

**FUNTUMIA** Stapf**africana** (Benth.) Stapf (*Pau-cadeira*, *Pó-cadela*, *Pó-leite*, *Pó-visgo*)

H: tree 45–60 m high (Exell 1944), with yellow-white flowers, in forest. M: 56; 115; 176. D: STP. V: *Oliveira 88* (BRLU).

**FUNTUMIA** Stapf (cont.)**elastica** (P.Preuss) Stapf (*Funtumia*)

H: tree, with yellow-white flowers, in forest. D: ST.

**GONGRONEMA** Decne.**latifolium** Benth. (*Otage*)

H: climber with tuberous base. D: ST.

**LANDOLPHIA** P.Beauv.**landolphoides** (Hallier f.) A.Chev.*dawei* StapfH: liana with a trunk up to 0.4 m in diameter. E: fruits. D: ST. V: *Oliveira 51/99* (BRLU).**MARSDENIA** R.Br.**exellii** C.NormanH: liana with yellow flowers, in forest. D: ST. V: *Lejoly 98/269* (BRLU).**\*NERIUM** L.**\*oleander** L.H: shrub. O. D: ST. V: *Oliveira 217* (BRLU).**ONCOSTEMMA** K.Schum.**cuspidatum** K.Schum.D: ST. N: this monotypic genus has been reduced to synonymy of *Tylophora* by Meve & Omlor (2000) and found to be a synonym of *T. oblonga* N.E.Br. The new combination *Tylophora cuspidata* (K.Schum.) Meve & Omlor, said to take precedence over *T. oblonga*, is illegitimate.**\*PLUMERIA** L.**\*rubra** L.

H: shrub or tree, very fragrant. O. D: ST.

**RAUVOLFIA** L.**caffra** Sond. (*Cata-cuéné, Cata-glandje, Cata-grande*. Note: not to be confused with *Cata-pequena*)*macrophylla* StapfH: tree, with white flowers and blackish purple fruits, in forest. M: 2; 25; 44; 79; 99; 123; 127; 146; 155; 168; 175. D: ST. V: *Madureira & Martins 16* (COI).**vomitorea** Afzel. (*Cata, Cata-manginga, Cata-pequena, Cata-piquina, Cata-ussubi*)*dichotoma* K.Schum.H: shrub or small tree with white flowers and red fruits, in forest and plantations. M: 60; 79; 99; 103; 123; 175; 184. D: STP. V: *Figueiredo 256* (LISC).**TABERNAEMONTANA** L.**\*divaricata** (L.) R.Br. ex Roem. & Schult.*Ervatamia coronaria* (Jacq.) Stapf*E. divaricata* (L.) BurkillH: shrub or small tree with white flowers, in gardens. D: STP. V: *Paiva 290* (COI).**pachysiphon** Stapf (*Cata-glandje, Cata-grande*)H: shrub or small tree, with white or yellowish flowers, in forest. D: ST. V: *Oliveira 1430* (BRLU).**\*stenosiphon** Stapf (*Cata, Cata-d'ôbo, Cata-piquina, Pau-lírio*)H: small tree with fragrant white flowers, in forest. M: 8; 77; 103. D: STP. *Oliveira 141/98* (LISC); *Paiva 76* (COI).**VOACANGA** Thouars**africana** Stapf (*Bule, Cata-contra, Cata-glandje, Cata-grande, Cata-quiô, Gata-grande, Guibule*)*lemosii* PhilipsonH: small tree, with yellow or white flowers, in forest. M: 8; 103. D: ST. V: *Paiva 1194* (COI).**AQUIFOLIACEAE****ILEX** L.**mitis** (L.) Radlk.H: tree, with white flowers, in forest. D: ST. V: *Oliveira 985* (BRLU).**ARACEAE****\*ALOCASIA** (Schott) G.Don**\*macrorrhiza** (L.) G.Don (*Côco-vêneno, Matabala-veneno*)H: perennial herb with a tuberous rootstock in secondary forest and plantations. O. M: 5; 133; 174. D: STP. V: *Madureira & Martins 449* (COI).**\*CALADIUM** Vent.**\*bicolor** (Aiton) Vent. (*Coco-floli, Côco-vêneno*)H: perennial herb with a tuberous rootstock, in secondary forest and plantations. O. D: STP. V: *Paiva 1200* (COI), *1427* (COI).**\*COLOCASIA** Schott**\*esculenta** (L.) Schott (*Coco, Matabala, Micoco*)

H: large herbaceous plant cultivated for the corm (taro). D: STP.

**CULCASIA** P.Beauv.**angolensis** Welw. ex Schott (*Pimenta-da-terra*)*barombensis* N.E.Br.

H: climber, in forest. D: ST.

**scandens** P.Beauv. (*Homê-dum-ôssô, Homem-de-um-osso-sô*)H: epiphyte, climbing herb, in forest. M: 22; 87; 96. D: ST. V: *Madureira & Martins 66* (COI).**\*DIEFFENBACHIA** Schott**\*seguine** (Jacq.) SchottH: herb. O. D: ST. V: *Oliveira 216* (BRLU).**\*XANTHOSOMA** Schott**\*sagittifolium** (L.) Schott (*Coco, Matabala, Matabala-branca, Matabala-gema-de-ovo, Matabala-vermelha, Micoco*)*maffafa* Schott*violaceum* SchottH: large herbaceous plant much cultivated for the corm (coco-yam). M: 188. D: STP. V: *Paiva 761* (COI), *1331* (COI).**ARALIACEAE****\*HEDERA** L.**\*helix** L. (*Hera*)H: climber. O. D: ST. N: recorded by Exell (1944, 1973) but it is possible that it may be a different species of *Hedera*.**POLYSCIAS** J.R.Forst. & G.Forst.**\*quintasii** Exell (*Guêguê-fasso, Velá*)H: tree, in forest. D: STP. V: *Oliveira 1253* (BRLU).**SCHEFFLERA** J.R.Forst. & G.Forst.**barteri** (Seem.) HarmsH: liana, in secondary forest. D: STP. V: *Figueiredo 48* (K).**mannii** (Hook.f.) HarmsH: small shrub or tree, in forest. D: ST. V: *Matos 7513* (LISC).**ARECACEAE**Note: the following palm trees have also been recorded in cultivation: *Roystonea regia* (Kunth) O.F.Cook, *Butia eriospatha* (Mart. ex Drude) Becc., *Caryota urens* L.**BORASSUS** L.**aethiopum** Mart. (*Palmeira-do-marfim, Palmeira-leque, Úlua*)

H: tree up to 20 m high. D: ST.

**\*COCOS** L.**\*nucifera** L. (*Coco, Cóconjá, Cõncõnja, Coqueiro*)

H: tree. E: fruit. D: STP.

**ELAEIS** Jacq.**guineensis** Jacq. (*Andim, Dendem, Déndém, Palmeira-andim, Palmeira-dendim, Palmeira-do-dendem, Pema*)

H: tree up to 30 m high. E: fruit (oil). D: STP.

**\*PHOENIX** L.**\*dactylifera** L. (fruit: *Tâmara*; tree: *Tamareira*)

H: tree with trunk up to 20 m high. E: fruit. D: ST.

**\*ARISTOLOCHIACEAE****\*ARISTOLOCHIA** L.**\*littoralis** Parodi

H: climber, yellow flowers spotted with pink (Exell 1956). O. D: ST.

## ASPHODELACEAE

## \*ALOE L.

\*humilis (L.) Mill. (*Áliba-blabosa*, *Erva-babosa*)

H: scapose perennial herb. M: 39; 51; 54; 49; 60; 72; 77; 93; 123; 124.  
D: ST. V: *Madureira & Martins 354* (COI).

## ASPARAGACEAE

## \*ASPARAGUS L.

\*officinalis L. (*Espargo*)

N: herb cultivated for the young shoots, recorded by Exell (1973) based on Silva (1958) without specimen citation.

## ASTERACEAE

## \*ACANTHOSPERMUM Schrank

\*hispidum DC. (*Mosquito-dia*)

H: annual herb with yellowish green flowers (Exell 1944). D: STP.

## ACMELLA Rich. ex Pers.

caulirhiza Delile (*Fiá-dentche*, *Fiá-dente*)

*Spilanthes filicaulis* (Schumach. & Thonn.) C.D.Adams

H: herb with yellow flowers. M: 132; 175. D: STP. V: *Madureira & Martins 296* (COI); *Matos 7491* (LISC).

## ADENOSTEMMA J.R.Forst. &amp; G.Forst.

## mauritianum DC.

H: herb with white flowers, in forest and secondary forest. D: ST. V: *Lejoly 94/551* (BRLU, LISC).

perrottetii DC. (*Lingua-tela*, *Tonfonso*)

H: herb with white flowers, in forest, plantations and on roadsides. M: 141. D: ST. V: *Madureira 646* (COI).

## \*AGERATUM L.

\*conyzoides L. subsp. *conyzoides* (*Fiá-cuncunha*, *Fiá-malé*, *Fiá-malé-di-que*, *Fiá-malé-home*, *Folha-malé*)

H: annual herb with blue-purple or white flowers, in secondary forest, plantations and on roadsides, ruderal. M: 124; 150. D: STP. V: *Paiva 1385* (COI), *1782* (COI).

## AMBROSIA L.

maritima L. (*Atinija*, *Atlija*, *Atlimija*, *Atrimija*, *Natruja*)

H: annual herb or perennial from woody rootstock. M: 29; 77; 115; 150; 184; 189. D: STP. V: *Madureira & Martins 93* (COI).

## ?ASPILIA Thouars

?rudis Oliv. & Hiern subsp. *rudis*

H: erect, often perennial herb with pale yellow or almost white flowers. D: P. Recorded by Exell (1944) based on a citation in *Flora of tropical Africa* of a collection by Barter that he did not see.

## BIDENS L.

pilosa L. (*Áliba-gúhia*, *Fiá-gúhia*, *Pega-pega*)

H: herb with white flowers, in secondary forest, plantations and on roadsides. M: 29; 46; 69; 88. D: STP. V: *Paiva 572* (COI), *705* (COI).

## \*CHRYSANTHEMUM L.

## \*indicum L.

H: perennial herb. O. D: ST.

## \*?CICHORIUM L.

## \*?intybus L.

H: perennial herb. E: leaves (var. *foliosum*), roots (var. *sativum*). D: ST. N: a doubtful record based on a specimen collected by Don and cited by Bentham in *Niger flora*. Exell (1944) did not see the specimen.

## CONYZA Less.

attenuata DC. (*Folha-male*, *Lingua-de-vaca*, *Lingua-tela*)

*persicifolia* (Benth.) Oliv. & Hiern

H: annual herb, in forest. D: ST. V: *Matos 7369* (LISC).

## \*bonariensis (L.) Cronquist

H: annual erect herb. D: STP.

## CRASSOCEPHALUM Moench

## crepidioides (Benth.) S.Moore

H: annual herb with yellow or mauve flowers, in forest and plantations. D: ST. V: *Lejoly 98/211* (BRLU).

## montuosum (S.Moore) Milne-Redh.

H: herb, ruderal. D: ST. V: *Matos 7438* (LISC).

## rubens (Juss. ex Jacq.) S.Moore

H: herb, in secondary forest and plantations. D: ST.

## sarcobasis (DC.) S.Moore

H: herb, in disturbed ground. D: ST. V: *Matos 7466* (BRLU).

## DICHROCEPHALA L'Hér. ex DC.

integrifolia (L.f.) Kuntze subsp. *integrifolia*

H: annual herb with whitish flowers, ruderal. D: ST. V: *Lejoly 95/057* (LISC).

## ECLIPTA L.

prostrata (L.) L. (*Folha-bobá*, *Folha-sapateiro*)

H: annual or perennial herb with white flowers. D: STP.

## \*ELEPHANTOPUS L.

\*mollis Kunth (*Fia-budo*, *Fia-dentche*, *Folha-budo*, *Macabali*, *Macablali*)

H: herb with white flowers, in secondary forest, plantations, and on roadsides. H: 3; 22; 112; 129; 130; 150; 174; 175. D: STP. V: *Figueiredo 105* (K).

## EMILIA Cass.

## ?coccinea (Sims) G.Don

N: recorded by Exell (1973) based on Silva (1958) without specimen citation.

## sonchifolia (L.) DC. ex Wight

H: annual herb. E: leaves. D: STP.

## §EPALTES Cass.

## §\*brasiliensis DC.

H: herb. D: STP. N: Exell (1944) cited three collections of this taxon (*Barter 1976*, *Mann s.n.* and *Welwitsch 3520*). We did not see these specimens but it is possible that they refer to *Litogyne gariepina* (DC.) Anderb., a species widespread from West Africa to South and East Africa that includes as synonyms the three species of *Epaltes* previously cited for tropical Africa. *E. brasiliensis* has apparently never been recorded for Africa.

## ETHULIA L.f.

conyzoides L.f. subsp. *conyzoides*

H: annual herb, with white, mauve or purple flowers. D: ST.

## \*GALINSOGA Ruiz &amp; Pav.

## \*parviflora Cav.

H: annual herb with white flowers, on disturbed ground and on roadsides. D: ST. V: *Matos 7603* (LISC).

## HELICHRYSUM Mill.

foetidum (L.) Moench var. *foetidum*

H: annual or perennial herb, with yellow flowers, in forest. D: ST. V: *Matos 7371* (LISC).

## MICROGLOSSA DC.

## pyrifolia (Lam.) Kuntze

H: shrub or scandent shrub, with white, cream-coloured, yellowish or pinkish flowers, in forest. D: STP. V: *Matos 7564* (LISC).

## MIKANIA Willd.

chenopodiifolia Willd. (*Matucana*)

*cordata* sensu auct. non (Burm.f.) B.L.Rob.

*sp.* sensu auct. Exell (1956, 1973)

H: shrub with white flowers. M: 31; 77; 98; 129; 140. D: STP. V: *Figueiredo 257* (LISC).

## MIKANIOPSIS Milne-Redh.

## paniculata Milne-Redh.

H: perennial climber with orange-yellow flowers. D: ST. V: *Matos 7312* (LISC).

## PSEUDOGNAPHALIUM Kirp.

luteo-album (L.) Hilliard & B.L.Burt subsp. *luteo-album*

*Gnaphalium luteo-album* L.

H: annual or perennial herb with whitish or yellowish flowers, on roadsides, ruderal. D: STP. V: *Paiva 1064* (COI).

**SOLANECIO** (Sch.Bip.) Walp.**biafrae** (Oliv. & Hiern) C.Jeffrey*Crassocephalum biafrae* (Oliv. & Hiern) S.Moore

H: perennial, climbing, succulent herb with yellow flowers. E: leaves. D: ST.

**SONCHUS** L.**oleraceus** L. (*Serralha*)H: annual or biennial herb with yellow flowers, in forest, plantations and on roadsides. E: leaves. D: ST. V: *Paiva 33* (COI).**STRUCHIUM** P.Browne**sparganophora** (L.) Kuntze (*Libo-d'água*, *Libô-d'aua*)*Sparganophorus sparganophora* (L.) C.Jeffrey, nom. illegit.H: perennial, slightly succulent herb, with whitish or pinkish flowers, in humid areas. M: 123; 137; 190. D: STP. V: *Paiva 1292* (COI).**\*SYNEDRELLA** Gaertn.**\*nodiflora** Gaertn. (*Fiá-malé-dôdô*, *Fiá-malé-muála*, *Folha-malé-doida*, *Macabali-fia-budo*)H: annual or perennial herb with yellow flowers, in secondary forest, plantations, and on roadsides, ruderal. M: 27; 51; 52; 81; 94; 113; 123; 156. D: STP. V: *Paiva 1006* (COI), *1784* (COI).**\*TITHONIA** Desf. ex Juss.**\*diversifolia** (Hemsl.) A.Gray (*Girassol*)H: annual or perennial herb or subshrub up to 2.5 m high, with yellow flowers, ruderal. M: 123. D: ST. V: *Paiva 1281* (COI).**VERNONIA** Schreb.**amygdalina** Delile (*Libô*, *Libô-da-terra*, *Libô-de-que*, *Libô-mucambú*, *Limbo*, *Pau-fede*)H: undershrub, shrub or tree, with white flowers, ruderal. E: leaves. M: 60; 123. D: ST. V: *Paiva 1289* (COI).**stellulifera** (Benth.) C.Jeffrey (*Fia-bungá*)*Triplotaxis stellulifera* (Benth.) Hutch.H: annual herb with mauve to purple flowers, in secondary forest. D: STP. V: *Figueiredo 41* (K).**\*ZINNIA** L.**\*peruviana** (L.) L.

H: annual herb, with red, pink or purplish flowers. D: ST.

**\*AVERRHOACEAE****\*AVERRHOA** L.**\*carambola** L. (fruit: *Carambola*; tree: *Caramboleira*)H: shrub or small tree, cultivated. E: fruits. D: ST. V: *Paiva 1327* (COI).**AVICENNIACEAE**

(Daniel &amp; Figueiredo 2009)

**Avicennia** L.**germinans** (L.) L.H: shrub or tree up to 17 m high, with pneumatophores, halophyte, in mangroves. E: fruits. D: ST. V: *Figueiredo 93* (K).**BALSAMINACEAE****IMPATIENS** L.**\*balsamina** L. (*Balsamina*, *Melindres*)*tamsiana* ExellH: herb. O. D: STP. V: *Paiva 1583* (COI), *1690* (COI).**<sup>h</sup>buccinalis** Hook.f. (*Camarões*)H: herb or shrub up to 3 m high, with red flowers, in forest or secondary forest. D: ST. V: *Paiva 1858* (COI).**<sup>h</sup>manteroana** ExellH: herb with red flowers in humid and rocky places, in rainforest. D: P. V: *Paiva 1726* (COI).**<sup>h</sup>thomensis** ExellH: herb up to 1 m high, with red or orange flowers, in humid places, in forest. D: ST. V: *Figueiredo 255* (LISC).**\*BASELLACEAE****\*BASELLA** L.**\*alba** L. (*Fiá-tataluga*, *Folha-tataruga*)H: annual or perennial succulent herb. E: leaves. M: 173. D: ST. V: *Madureira & Martins 339* (COI).**BEGONIACEAE****BEGONIA** L.**ampla** Hook.f. (*Fia-bôba-d'ôbo*, *Fiá-bôba-glandji*)H: perennial herb, epiphyte, with white flowers, in forest and secondary forest. M: 1; 16; 119; 129. D: STP. V: *Figueiredo 72* (K).**annobonensis** A.DC.H: annual epiphytic succulent herb, in forest. D: STP. V: *Figueiredo 260* (LISC).**<sup>h</sup>baccata** Hook.f. (*Fiá-bôba*, *Fiá-bôba-d'ôbo*, *Folha-boba-vermelha*)H: herb, in forest. M: 16; 38; 84; 142. D: ST. V: *Figueiredo 39* (K, LISC).**<sup>h</sup>crateris** Exell (*Fia-bôba-d'ôbo*)H: herb, in forest. D: ST. N: considered by some authors as a synonym of *B. baccata*. V: *Lejoly 94/559* (BRLU, LISC).**<sup>h</sup>fusialata** Warb. var. **principensis** J.J.de Wilde

H: herb. D: P.

**<sup>h</sup>loranthoides** Hook.f. subsp. **loranthoides**

H: herb. D: STP.

**<sup>h</sup>molleri** (C.DC.) Warb.

H: herb. D: ST.

**rostrata** Welw. ex Hook.f. var. **rostrata**H: annual succulent herb. D: ST. V: *Figueiredo 161* (LISC).**subalpestris** A.Chev.*macambrarensis* ExellH: herb, in forest. D: ST. V: *Matos 7552* (BRLU, LISC).**thomeana** C.DC.H: perennial herb, in forest. D: ST. V: *Matos 7704* (LISC).**BIGNONIACEAE****\*JACARANDA** Juss.**\*mimosifolia** D.Don (*Jacarandá*)

H: tree with purple flowers. O. D: ST. N: recorded in the literature as introduced, there is a single tree known (at Roça Agostinho Neto).

**NEWBOULDIA** Seem.**laevis** (P.Beauv.) Seem. ex Bureau (*Quimé*, *Quine*)H: shrub or tree, with pink flowers, ruderal. M: 28; 57. D: ST. V: *Paiva 674* (COI).**SPATHODEA** P.Beauv.**campanulata** P.Beauv.*nilotica* Seem.

H: tree. O. D: ST.

**\*TECOMA** Juss.**\*sp.** (*Maioba-bini*)H: vine. O. M: 7; 96; 128; 146; 153. D: ST. V: *Madureira & Martins 308* (COI).**\*BIXACEAE****\*BIXA** L.**\*orellana** L. (*Anato*, *Gicló*, *Gincló*, *Quisafú*, *Tintureira*, *Urucú*)H: shrub or small tree with pink flowers. E: seeds. O. M: 22; 27; 63; 67. N: seeds contain a natural orange-red dye. D: STP. V: *Paiva 493* (COI).**BOMBACACEAE****ADANSONIA** L.**digitata** L. (*Imbondeiro*, *Micondó*)H: large tree in savanna. E: leaves, fruits, seeds. D: STP. V: *Paiva 1238* (COI).**CEIBA** Mill.**pentandra** (L.) Gaertn. (*Ocá*)

H: large tree in secondary forest. E: seeds. M: 6; 124. D: STP. V: *Oliveira 139* (BRLU).

**\*PACHIRA** Aubl.

**\*glabra** Pasq.

*Bombacopsis glabra* (Pasq.) A. Robyns

H: tree, in secondary forest and plantations. E: seeds. D: STP. V: *Paiva 1237* (COI), *1950* (COI).

## BORAGINACEAE

**CORDIA** L.

**\*gerascanthus** L.

H: tree up to 25 m high, with white flowers, in town. D: ST.

**platythyrsa** Baker (*Pau-tabaque, Pó-tabaque, Tabaque*)

H: tree up to 18 m high, with creamy white flowers, in secondary forest. D: ST. V: *Lejoly 93/641* (BRLU).

**EHRETIA** P. Browne

**cymosa** Thonn. var. **zenkeri** (Gürke ex Baker & C.H. Wright) Brenan  
*zenkeri* Gürke ex Baker & C.H. Wright

H: shrub or small tree up to 12 m high, with white flowers and yellow fruits, in forest. D: ST. V: *Lejoly 97/344* (BRLU).

**\*scrobiculata** Hiern

H: small tree with whitish flowers. N: probably extinct. D: P.

**\*HELIOTROPIUM** L.

**\*indicum** L. (*Fia-galo, Folha-galo, Galo*)

H: annual herb with red flowers, ruderal. M: 41; 51; 57; 70; 77; 89; 90; 112; 183; 184. D: STP. V: *Paiva 1290* (COI), *1413* (COI).

## BRASSICACEAE

**\*BRASSICA** L.

**\*juncea** (L.) Czern. & Coss. (*Mostarda*)

H: perennial herb with yellow flowers. E: seed (spice: *mostarda*). D: ST.

**\*CAPSELLA** Medik.

**\*bursa-pastoris** (L.) Medik.

H: annual herb, ruderal. D: ST.

**CARDAMINE** L.

**africana** L.

H: annual herb with white flowers, in forest and secondary forest. D: ST. V: *Lejoly 97/220* (BRLU).

**?hirsuta** L.

N: a doubtful record in Exell (1973) probably due to a typographic error; the references cited refer to the occurrence in Bioko and not in S. Tomé.

**\*DIPLTAXIS** DC.

**\*tenuisiliqua** Delile

H: herb. D: ST. V: *Matos 7300* (BRLU).

**\*LEPIDIUM** L.

**\*didymum** L.

*Coronopus didymus* (L.) Sm.

H: annual or biennial herb. E: leaves. D: ST.

**\*LOBULARIA** Desv.

**\*maritima** (L.) Desv.

H: annual or perennial herb, with white, pink or purple flowers. D: ST.

**\*RAPHANUS** L.

**\*sativus** L. (*Nabo-macau*)

H: annual or biennial herb with white or pink flowers. E: roots. D: ST.

**RORIPPA** Scop.

**micrantha** (Roth) Jonsell

*indica* sensu auct. non (L.) Hiern

H: annual herb with yellow flowers. D: ST.

**\*nasturtium-aquaticum** (L.) Hayek (*Agrião, Fia-guinhom, Fia-guim, Guiom*)

H: aquatic or semi-aquatic perennial herb with white flowers. E: leaves, stems. M: 27; 177. D: ST. V: *Madureira & Martins 617* (COI).

## \*BROMELIACEAE

**\*ANANAS** Mill.

**\*comosus** (L.) Merr. (*Ananas, Nanás*)

H: herb cultivated for fruit. M: 24; 98; 124. D: STP. V: *Madureira & Martins 647* (COI).

## BUDDLEJACEAE

**LACHNOPYLIS** Hochst.

**thomensis** Philipson

*Nuxia congesta* R.Br. ex Fresen. var. *thomensis* (Philipson) J. Lewis

H: shrub or small tree, in forest. D: ST. V: *Matos 7384* (LISC).

## BURMANNIACEAE

**GYMNOSIPHON** Blume

**sp.**

H: colourless saprophyte, in forest. D: P. V: *Stévant 264* (BRLU).

## BURSERACEAE

**DACRYODES** Vahl

**edulis** (G. Don) H.J. Lam (fruit: *Mubafo, Safu, Safú, Safu-safu*; tree: *Safueiro, Safuzeiro*)

H: tree, in forest and plantations, producing a blue-violet fruit. E: fruits. M: 185. D: STP. V: *Paiva 521* (COI).

**SANTIRIA** Blume

**trimera** (Oliv.) Aubrév. (*Bálsamo-de-S. Tomé, Belambo, Goqui, Óleo-melambo, Pau-óleo, Pó-óleo, Pó-óleo-d'obô*)

H: tree, in forest. M: 4; 22; 31; 51; 54; 57; 124; 177; 184; D: STP. V: *Madureira & Martins 249* (COI).

## \*?BUXACEAE

**\*?BUXUS** L.

**\*?sempervirens** L.

N: a doubtful record by Exell (1944, 1973) based on a citation by Chevalier without specimens.

## CACTACEAE

**RHIPSALIS** Gaertn.

**baccifera** (J.S. Muell.) Stearn subsp. **baccifera**

H: hanging epiphytic, succulent shrub. D: STP. V: *Paiva 1173* (COI).

## CAMPANULACEAE

**WAHLENBERGIA** Schrad. ex Roth

**silenoides** Hochst. ex A. Rich.

H: herb. D: ST. V: *Matos 7563* (LISC).

## \*CANNABACEAE

**\*CANNABIS** L.

**\*sativa** L. (*Liamba*)

H: annual herb. E: seeds (oil). D: ST.

## \*CANNACEAE

**\*CANNA** L.

**\*indica** L. (*Cana-de-jardim, Cana-florifera, Erva-conteira, Salaconta, Salaconta-blanca, Salaconta-pleta*)

H: rhizomatous perennial herb with red flowers. O. M: 45; 67; 69; 79; 98; 128; 153. D: STP. V: *Paiva 364* (COI).

## CAPPARACEAE

**BUCHHOLZIA** Engl.

**coriacea** Engl. (*Cola-congo*)

H: tree up to 12 m high, in forest and secondary forest. M: 6; 173; 174. D: ST. V: *Paiva 1271* (COI).

**CAPPARIS L.****erythrocarpos** IsertH: shrub or climber, in savanna. D: ST. V: *Lejoly 93/654* (BRLU).**tomentosa** Lam.H: shrub or climber, in savanna. D: ST. V: *Figueiredo 83* (K).**CLEOME L.****gynandra** L.*Gynandropsis gynandra* (L.) Briq.

H: annual herb. D: ST.

**rutidosperma** DC. (*Fia-stlela, Mussanfi*)H: annual herb. M: 61; 89. D: STP. V: *Madureira & Martins 342* (COI).**\*CAPRIFOLIACEAE****\*SAMBUCUS L.****\*mexicana** C.Presl ex DC.H: shrub or tree with white flowers. D: ST. V: *Matos 7520* (BRLU).**\*CARICACEAE****\*CARICA L.****\*papaya** L. (fruit: *Mamom, Papaia*; tree: *Mamoeiro, Papaeira*)H: small tree. E: fruits. M: 32; 98; 114; 135; 146. D: STP. V: *Madureira & Martins 29* (COI).**CARYOPHYLLACEAE****DRYMARIA** Willd. ex Schult.**cordata** (L.) Willd. ex Roem. & Schult. (*Chile-branco, Pega-pega, Tchile-blanco*)H: perennial prostrate herb with white flowers, in secondary forest, plantations, and on roadsides, ruderal. M: 36; 53; 57; 174. D: STP. V: *Paiva 1022* (COI).**STELLARIA L.****mannii** Hook.f.H: annual or perennial herb, in forest. D: ST. V: *Paiva 84* (COI).**\*media** (L.) Vill. subsp. **media**

H: annual herb. D: ST.

**\*CASUARINACEAE****\*CASUARINA L.****\*equisetifolia** L.H: tree. D: ST. V: *Oliveira 236* (BRLU).**CELASTRACEAE****HELICTONEMA** Pierre**velutinum** (Afzel.) Pierre ex N.Hallé*Hippocratea velutina* Afzel.H: liana with white flowers, in forest. D: ST. V: *Lejoly 97/297* (LISC).**MAYTENUS** Molina**\*monodii** Exell

N: rare species, collected only once. D: ST.

**SALACIA L.****pyriformis** (Sabine) Steudel

H: climber, in forest. D: ST.

**\*CHENOPODIACEAE****\*CHENOPODIUM L.****\*album** L. subsp. **album**

H: annual herb. E: leaves. D: ST.

**\*ambrosioides** L. (*Erva-de-santa-maria, Fiá-madre-matruço, Fiá-matruço, Fia-santa-maia, Folha-santa-maria, Macluso, Masturço, Masturço, Matluço, Matlusso, Matruço, Milongo-de-febres*)H: annual, rarely perennial herb, ruderal. E: leaves, seeds. M: 2; 61; 89; 95; 116; 124; 135; 156. D: STP. V: *Paiva 1287* (COI).**?CHRYSOBALANACEAE****?NEOCARYA** (DC.) Prance ex F.White**?macrophylla** (Sabine) Prance ex F.White*Parinari macrophylla* Sabine

N: doubtful record (Exell 1944, 1973) based on a collection by Don which may have originated from the continent.

**?PARINARI** Aubl.**?curatellifolia** Planch. ex Benth.*mobola* Oliv.

N: doubtful record (Exell 1973) based on a citation by Silva (1958) without specimens.

**?excelsa** Sabine

N: doubtful record (Exell 1944, 1973) based on a collection by Don which may have originated from the continent.

**CLUSIACEAE****GARCINIA L.****\*mangostana** L. (*Mangostão*)H: tree. E: fruits. D: ST. V: *Paiva 764* (COI).**?smeathmannii** (Planch. & Triana) Oliv.*polyantha* Oliv.

N: doubtful record (Exell 1944, 1973) based on a collection by Barter that may not be from the islands.

**MAMMEA L.****africana** Sabine (*Amargoso, Maglôso, Mamão, Mata-passo, Obá, Pau-ová, Pó-ová*)H: tree, in forest. E: fruits. M: 112. D: STP. V: *Madureira & Martins 444* (COI).**PENTADESMA** Sabine**butyracea** Sabine (*Mata-passo, Obá, Pó-ová*)

H: tree up to 35 m high, in forest. D: ST.

**\*PLATONIA** Mart.**\*esculenta** (Arruda) Oken (*Bacuri, Bacurizeiro*)

H: tree. E: fruits. D: ST.

**SYMPHONIA** L.f.**globulifera** L.f. (*Oleo-balom, Oleo-barão*)H: tree up to 40 m high, in forest. M: 5; 133. D: STP. V: *Matos 7524* (BRLU, LISC).**COMBRETACEAE****COMBRETUM** Loefl.**\*indicum** (L.) DeFilippis*Quisqualis indica* L.

H: climbing shrub with white, pink or red flowers. D: ST.

**paniculatum** Vent.H: liana with red flowers, in secondary forest. D: P. V: *Oliveira 206/98* (BRLU).**CONOCARPUS L.****erectus** L.H: mangrove shrub or tree. D: ST. V: *Oliveira 38* (BRLU).**\*TERMINALIA L.****\*catappa** L. (*Amendoeira-da-India, Caroceiro, Caroço*)H: tree, in streets and on roadsides. M: 67. D: STP. V: *Paiva 286* (COI), *1343* (COI).**COMMELINACEAE****ANEILEMA** R.Br.**beniniense** (P.Beauv.) Kunth

H: straggling herb. D: P.

**COMMELINA L.****congesta** C.B.Clarke (*Bodó-bodó*)H: creeping perennial herb, in forest. M: 75; 142. D: STP. V: *Figueiredo 37* (K).**diffusa** Burm.f. subsp. **diffusa** (*Bodó-bodó, Capim-d'água, Capulo, Dacala, Fia-bodo-bodo, Mucorroana*)

H: annual or perennial herb with blue to violet flowers, ruderal. D: STP. V: *Figueiredo 54* (K).

**petersii** Hassk.

H: straggling or erect perennial herb with blue flowers, in secondary forest. D: ST. V: *Figueiredo 55* (K).

**PALISOTA** Rchb. ex Endl.

**bracteosa** C.B. Clarke

H: herb with pinkish white or white flowers, in forest. D: ST.

**pedicellata** K. Schum. (*Ucuetê-macaco, Vaiélé*)

H: herb, with white flowers, in forest. M: 83; 87; 163. D: STP. V: *Figueiredo 35* (K); *Paiva 1918* (COI).

**POLLIA** Thunb.

**condensata** C.B. Clarke (*Bogotó, Uquête-d'obó*)

H: perennial herb with white flowers and blue or violet fruit, in forest. M: 51. D: STP. V: *Figueiredo 100* (K).

**mannii** C.B. Clarke

H: straggling herb with white flowers. D: ST.

?\***RHOEO** Hance

?\***spathacea** (Sw.) Stearn

N: recorded by Exell (1944) based on the literature; no specimens known.

**STANFIELDIELLA** Brenan

**imperfata** (C.B. Clarke) Brenan var. **imperfata**

H: herb, in forest. D: STP. V: *Figueiredo 116* (K).

\***TRADESCANTIA** L.

\***zebrina** Heynh. ex Bosse

H: herb with purple flowers. D: STP. V: *Paiva 235* (COI).

## CONNARACEAE

**AGELAEA** Sol. ex Planch.

**pentagyna** (Lam.) Baill.

*coccinea* Exell

*obliqua* (P. Beauv.) Baill. var. *cordata* (G. Schellenb.) Exell

*phaeocarpa* Exell

*reticulata* Exell

H: liana, in forest. D: STP. V: *Joffroy 139* (BRLU).

**rubiginosa** Gilg

*principensis* Exell

H: liana, in forest. D: P.

**CNESTIS** Juss.

**ferruginea** Vahl ex DC. (*Mondim-moela, Muandim-muála*)

H: tree, in forest. M: 22; 95. D: STP. V: *Madureira & Martins 75* (COI).

**CONNARUS** L.

**africanus** Lam. (*Corda-anã*)

H: shrub or scandent shrub. D: ST.

**griffonianus** Baill.

H: woody climber, with white flowers. D: P.

**ROUREA** Aubl.

**parviflora** Gilg

H: liana, in forest. D: ST. V: *Carvalho 9* (LISC).

## CONVOLVULACEAE

\***CUSCUTA** L.

\***campestris** Yunck.

H: parasitic herb, in plantations and on roadsides. D: ST. V: *Figueiredo 77* (K).

**IPOMOEA** L.

\***alba** L.

H: liana, with white or pink flowers. D: STP.

\***batatas** (L.) Lam. (*Batata-doce*)

H: climber with purple, pink or white flowers, on roadsides. E: tuberous roots. D: STP. V: *Oliveira 82* (BRLU).

**cairica** (L.) Sweet var. **cairica**

H: climber with white to purple flowers. D: STP.

**eriocarpa** R.Br.

H: annual herb, white to purple flowers, ruderal. E: leaves. D: ST. V: *Matos 7626* (LISC).

\***hederifolia** L.

H: annual climbing herb with red flowers. D: STP.

**imperati** (Vahl) Griseb.

*stolonifera* J.F. Gmel.

H: on coastal areas. D: ST.

\***indica** (Burm.f.) Merr.

H: perennial climber with blue flowers, in gardens. D: ST. V: *Lejoly 97/275* (BRLU, LISC).

**mauritanica** Jacq.

H: perennial climber with tuberous roots and flowers reddish purple or mauve. D: ST. V: *Oliveira 1015* (BRLU).

**pes-caprae** (L.) R.Br. subsp. **brasiliensis** (L.) Ooststr. (*Fia-tataluga, Folha-de-tartaruga*)

H: climber, with white or purple flowers, in coastal areas. D: STP. V: *Paiva 1284* (COI).

\***quamoclit** L.

H: annual or perennial climber, with white, red or pink flowers. D: STP. V: *Paiva 1801* (COI).

**rubens** Choisy

H: perennial climber, with purple or mauve flowers. D: ST.

\***setifera** Poir.

H: climber. D: P.

\***tiliacea** (Willd.) Choisy

H: liana with yellow-orange flowers. D: STP. V: *Oliveira 561* (BRLU); *Paiva 1303* (COI).

**MERREMIA** Dennst.

**aegyptia** (L.) Urb. (*Matazem*)

H: annual climber with purple flowers, in coastal areas. M: 86; 98; 122; 124; 128; 179. D: ST. V: *Paiva 282* (COI).

**umbellata** (L.) Hallier f. subsp. **umbellata**

H: perennial climber with yellow flowers. D: P.

**XENOSTEGIA** D.F. Austin & Staples

**tridentata** (L.) D.F. Austin & Staples subsp. **angustifolia** (Jacq.) Lejoly & Lisowski

*Merremia tridentata* (L.) Hallier f. subsp. *angustifolia* (Jacq.) Ooststr.

H: trailing herb. D: ST.

## CRASSULACEAE

**KALANCHOE** Adans.

**crenata** (Andrews) Haw. var. **crenata** (*Fia-damina, Fia-da-mina-qué, Ufiá-cabecê*)

H: succulent herb with yellow, orange or magenta flowers. M: 54; 57; 79; 94; 119; 124; 174. D: ST. V: *Madureira & Martins 72* (COI).

\***pinnata** (Lam.) Pers. (*Fia-damina, Folha-da-mina*)

*Bryophyllum pinnatum* (L.f.) Oken

H: perennial, succulent plant. M: 37; 54; 57; 79; 94; 119; 124; 167; 174. D: STP. V: *Madureira & Martins 139* (COI).

## CUCURBITACEAE

**CAYAPONIA** Silva Manso

**africana** (Hook.f.) Exell

H: perennial, climbing herb, in forest and secondary forest. D: ST. V: *Figueiredo 249* (LISC).

?**CITRULLUS** Eckl. & Zeyh.

?**lanatus** (Thunb.) Matsum. & Nakai (*Melancia*)

N: annual climbing herb with yellow flowers cultivated for fruit (watermelon), recorded doubtfully for Príncipe (Exell 1944) without recorded specimens.

**COCCINIA** Wight & Arn.

**barteri** (Hook.f.) Keay

H: climbing herb, in forest. D: ST. V: *Matos 7419* (BRLU, LISC).

**CUCUMIS** L.

\***sativus** L. (*Pepino*)

H: annual climber with yellow flowers. E: fruits, leaves. D: ST.

**metuliferus** E. Mey ex Naudin

H: annual climbing or trailing herb. E: fruits. D: ST.

**DIPLOCYCLOS** (Endl.) Post & Kuntze

**palmatus** (L.) C. Jeffrey (*Coedano, Stlófi-d'obô, Ucoedano, Uquedano*)

H: perennial climber. M: 47. D: ST. V: *Madureira & Martins 477* (COI).

**LAGENARIA** Ser.**breviflora** (Benth.) Roberty (*Chimom-coiá, Simão-Correia*)H: perennial climber with yellow flowers, in forest, secondary forest and cultivated ground. M: 5; 22; 53; 87; 150. D: STP. V: *Figueiredo 203* (LISC).**siceraria** (Molina) Standl. (*Cabaça, Oco*)H: annual climber. E: fruits, leaves. D: ST. V: *Oliveira 226* (BRLU).**LUFFA** Mill.**cylindrica** (L.) M.Roem. (*Mamalongo*)*aegyptiaca* Mill.H: annual herb or perennial climber with yellow flowers, ruderal. E: young fruits. N: fruits are used as sponges. D: ST. V: *Paiva 1298* (COI).**MOMORDICA** L.**charantia** L. var. **charantia** (*Chlofi, Fia-sanzom, Melão-de-São-Caetano, Sancaetano, Stlofi, Tloufi*)H: annual climber or trailer with yellow flowers, in forest and plantations, ruderal. E: fruits, leaves. M: 57; 60; 79; 95; 112; 124; 136; 150; 158; 183. D: STP. V: *Figueiredo 201* (LISC).**charantia** L. var. **abbreviata** Ser. (*Chcofi, Fia-estelófi*)H: annual climber or trailer. E: fruits. D: STP. V: *Paiva 1145* (COI).**foetida** Schumach.H: perennial climbing herb with woody rootstock, ruderal. D: ST. V: *Lejoly 95/111* (BRLU).**PEPONIUM** Engl.**vogelii** (Hook.f.) Engl. (*Batata-pim-pim*)H: climbing or trailing herb with yellow flowers. M: 16; 87; 178; 183. D: ST. V: *Paiva 1148* (COI).**\*SECHIUM** Juss.**\*edule** (Jacq.) Sw. (*Chuchu, Pimpinela*)H: climber or trailing herb with cream-coloured flowers, on roadsides. E: fruits, leaves, roots. D: ST. V: *Paiva 106* (COI).**ZEHNERIA** Endl.**gilletii** (De Wild.) C.Jeffrey

H: climbing herb with slender stems. D: ST.

**scabra** (L.f.) Sond. subsp. **scabra**H: perennial herb, climbing or trailing, near cultivated ground, on roadsides. D: ST. V: *Paiva 1158* (COI).**\*CYCLANTHACEAE****\*CARLUDOVICA** Ruiz & Pav.**\*palmata** Ruiz & Pav.H: tufted perennial palm-like plant. D: ST. V: *Paiva 1941b* (COI).**CYPERACEAE****ABILDGAARDIA** Vahl**ovata** (Burm.f.) Kral*Fimbristylis ovata* (Burm.f.) Kern

H: perennial herb. D: ST.

**CAREX** L.**<sup>†</sup>leptocladus** C.B.ClarkeH: herb, in forest. D: ST. V: *Lejoly 94/560* (LISC).**CYPERUS** L.**articulatus** L.H: herb. D: P. V: *Oliveira 532* (BRLU).**§baronii** C.B.Clarke

H: herb. D: ST.

**difformis** L.

H: annual herb. D: ST.

**distans** L.f. (*Zuça*)H: herb, in forest. D: STP. V: *Paiva 80* (COI).**esculentus** L.H: perennial herb. D: STP. V: *Paiva 967* (COI).**exaltatus** Retz.

H: herb. D: ST.

**haspan** L.

H: herb. D: ST.

**laxus** Lam. subsp. **buchholzii** (Boeckeler) Lye*diffusus* Vahl subsp. *buchholzii* (Boeckeler) Kük.H: herb. D: STP. V: *Lejoly 94/564* (BRLU).**renschii** Boeckeler var. **renschii***sylicola* Ridley

H: herb. D: ST.

**rotundus** L. (*Zuça*)

H: herb. D: STP.

**sphacelatus** Rottb.H: herb, in forest. D: STP. V: *Oliveira 521* (BRLU).**ELEOCHARIS** R.Br.**geniculata** (L.) Roem. & Schult.

H: herb. D: ST.

**FIMBRISTYLIS** Vahl**cymosa** R.Br.

N: recorded for Príncipe by Exell (1973) based on a reference by Silva (1958); no specimens known.

**dichotoma** (L.) Vahl

H: perennial herb. D: STP.

**ferruginea** (L.) Vahl

H: perennial herb. D: ST.

**FUIRENA** Rottb.**umbellata** Rottb.

H: perennial herb. D: ST.

**HYPOLYTRUM** Rich.**<sup>†</sup>grande** (Uittien) KoyamaH: herb. D: STP. V: *Matos 7696* (LISC).**heteromorphum** NelmesH: herb. D: STP. V: *Joffroy 198* (BRLU).**KYLLINGA** Rottb.**erecta** Schumach.H: herb. D: ST. V: *Stévert 167* (BRLU).**memoralis** (J.R.Forst. & G.Forst.) Dandy ex Hutch. & DalzielH: perennial herb. D: STP. V: *Oliveira 512* (BRLU).**peruviana** Lam.

H: herb. D: STP.

**pumila** Michx.H: herb. D: STP. V: *Matos 7604* (LISC).**MAPANIA** Aubl.**<sup>†</sup>ferruginea** Ridl. (*Pema-d'obo*)H: herb, in forest. M: 34. D: STP. V: *Paiva 1111* (COI), *1490* (COI).**MARISCUS** Vahl**cylindristachyus** Steud. (*Zuça*)*alternifolius* sensu auct. non VahlH: herb, ruderal. D: STP. V: *Paiva 573* (COI), *704* (COI).**dubius** (Rottb.) Kük. ex C.E.C.Fisch.

H: herb. D: STP.

**flabelliformis** Kunth var. **flabelliformis**H: herb. D: STP. V: *Matos 7453* (LISC).**ligularis** (L.) Urb. (*Zuça*)H: herb. D: STP. V: *Matos 7661* (LISC).**longibracteatus** Cherm.

H: herb. D: ST.

**PYCREUS** P.Beauv.**polystachyos** (Rottb.) P.Beauv.H: herb. D: STP. V: *Matos 7254* (LISC).**REMIREA** Aubl.**maritima** Aubl.

H: herb. D: P.

**RHYNCHOSPORA** Vahl**corymbosa** (L.) Britton

H: perennial herb. D: ST.

**SCLERIA** P.J.Bergius**naumanniana** BoeckelerH: herb, in forest. D: STP. V: *Stévert 113* (BRLU).**TORULINIUM** Desv. ex Ham.**odoratum** (L.) S.S.HooperH: herb. D: STP. V: *Paiva 1155* (COI).

## DICHAPETALACEAE

**DICHAPETALUM** Thouars**<sup>h</sup>bocageanum** (Henriq.) Engl. (*Melambó*)

H: tree (?). D: ST. N: apparently rare; only two collections have been recorded.

## DILLENACEAE

**\*DILLENIA** L.**\*indica** L.H: shrub or small tree, with white flowers. E: fruits. D: ST. V: *Lejoly 95/051* (BRLU, LISC).**TETRACERA** L.**alnifolia** Willd. subsp. **alnifolia**H: liana, in forest. D: STP. V: *Joffroy 134* (BRLU, LISC).

## DIOSCOREACEAE

**DIOSCOREA** L.**\*alata** L. (*Gudú, Inhame-branco, Inhame-gudú, Som-longo, Sónlongô*)

H: climber up to 15 m high, producing one tuber. E: tuber. D: ST.

**bulbifera** L. (*Cará-zambuco, Cuíni, Inhame, Inhame-zambuco, Ofó, Otoni*)H: climber with small woody tuber and axillary bulbils. E: tuber. M: 5. D: STP. V: *Paiva 1013* (COI), *1476* (COI).**cayensis** Lam. (*Inhame-amarelo, Inhame-branco, Inhame-gundú, Ofó*)H: climber producing tubers. E: tuber. M: 152. D: STP. V: *Lejoly 98/253* (BRLU); *Paiva 1872* (COI).**dumetorum** (Kunth) Pax (*Bofó, Inhame-bravo, Ofó, Quinin, Unquinin*)

H: climber with tubers. E: tuber (famine-food). D: ST.

**minutiflora** Engl. (*Inhame-de-Benin*)

H: climber with tubers. E: tuber (famine-food). D: ST.

**sansibarensis** Pax (*Cuini*)

H: climber with tubers. E: tuber (famine-food). D: ST.

## DRACAENACEAE

**DRACAENA** L.**arborea** (Willd.) Link (*Pau-sabão, Pó-sabom*)H: tree to 20 m high, with creamy white flowers. M: 22; 51; 158; 170; 175. D: STP. V: *Madureira & Martins 122* (COI).**aubryana** Brongn. ex E.Morren (*Fia-fita*)*monostachya* BakerH: shrub with white to greenish white flowers. D: P. V: *Stévart 241* (BRLU).**laxissima** Engl. (*Folha-pempe, Jambele*)H: shrub to 2 m high, with greenish white flowers. D: STP. V: *Figueiredo 62* (K); *Paiva 618* (COI).

## EBENACEAE

**DIOSPYROS** L.**ferrea** (Willd.) Bakh.

H: tree. E: fruits. D: ST.

## ERICACEAE

**ERICA** L.**<sup>h</sup>thomensis** (Henriq.) Dorr & E.G.H.Oliv. (*Urze*)H: shrub, in primary forest. D: ST. V: *Matos 7370* (LISC).**\*RHODODENDRON** L.**\*mucronatum** (Blume) G.Don

H: shrub. D: ST.

## ERYTHROXYLACEAE

**ERYTHROXYLUM** P.Browne**\*coca** Lam.

H: shrub. D: ST.

**emarginatum** Thonn.H: shrub or small tree, in forest. D: ST. V: *Oliveira 1173* (BRLU).

## EUPHORBIACEAE

**ACALYPHA** L.**amentacea** Roxb. subsp. **wilkesiana** (Müll.Arg.) Fosberg  
*wilkesiana* Müll.Arg.H: shrub. O. D: ST. V: *Stévart 164* (BRLU).**ciliata** Forssk.H: annual herb, in secondary forest. D: ST. V: *Oliveira 344* (BRLU).**ALCHORNEA** Sw.**cordifolia** (Schumach. & Thonn.) Müll.Arg. (*Bengue, Bugi-bugi, Buje-buje, Bungi-bungi*)H: shrub or small tree, erect or climbing, in forest, savanna and secondary forest. M: 16; 79; 90; 94; 95; 124; 130; 158. D: STP. V: *Figueiredo 238* (LISC).**hirtella** Benth.H: tree or shrub, in forest. D: STP. V: *Matos 7706* (LISC).**laxiflora** (Benth.) Pax & K.Hoffm.H: shrub or small tree, in savanna. D: ST. V: *Figueiredo 80* (K).**ANTHOSTEMA** A.Juss.**aubryanum** Baill.

H: tree, in swamps or river margins. D: STP.

**ANTIDESMA** L.**membranaceum** Müll.Arg.H: shrub or tree, in forest. D: ST. V: *Matos 7635* (LISC).**vogelianum** Müll.Arg.H: shrub or tree, in forest. D: ST. V: *Figueiredo 241* (LISC).**\*BREYNIA** J.R.Forst. & G.Forst.**\*disticha** J.R.Forst. & G.Forst. (*Filanto, Lágrima-de-Cristo, Pau-flôr, Pó-floli*)*nivosa* (W.G.Sm.) SmallH: shrub, used as hedge plant. O. M: 94; 150. D: ST. V: *Paiva 653* (COI).**BRIDELIA** Willd.**micrantha** (Hochst.) Baill. (*Gigô, Muindo, Vundem*)*stenocarpa* Müll.Arg.H: tree, in forest. M: 13; 22; 56; 57; 71; 134; 177. D: STP. V: *Madureira & Martins 261* (COI).**CAPERONIA** A.St.-Hil.**latifolia** Pax

H: herb, by watercourses. D: ST.

**CAVACOA** J.Léonard**quintasii** (Pax & K.Hoffm.) J.Léonard

H: tree up to 20 m high, in forest. D: ST.

**\*CHAMAESYCE** Gray**\*hirta** (L.) Millsp. (*Belo-vlêmê, Fia-sanopê, Folha-centopeia*)H: herb, ruderal. M: 5; 28; 77; 98; 174. D: STP. V: *Paiva 271* (COI).**\*hyssopifolia** (L.) Small

H: annual herb. D: STP.

**\*prostrata** (Aiton) Small (*Cento, Centopeia, Fia-cento, Fiá-flêminga-blanco, Folha-formiga*)H: herb, ruderal. M: 10; 64; 98; 117; 161. D: STP. V: *Paiva 291* (COI).**\*serpens** (Kunth) Small (*Fia-flomiga, Folha-formiga*)H: herb, ruderal. D: ST. V: *Paiva 122* (COI).**CLEISTANTHUS** Hook.f. ex Planch.**libericus** N.E.Br. (*Nono, Vilo, Vilo-pleto, Viro-preto*)H: shrub or small tree, in forest. D: ST. V: *Matos 7691* (LISC).**\*CODIAEUM** Rumph. ex A.Juss.**\*variegatum** (L.) Blume ex A.Juss. var. **variegatum**

N: ornamental shrub recorded by Exell (1944) based on a literature citation; no specimens known.

**CROTON** L.**draconopsis** Müll.Arg. (*Pau-purga*)H: tree, in forest. D: ST. V: *Oliveira 1323* (BRLU).

**CROTON** L. (cont.)**<sup>f</sup>stellulifer** Hutch. (*Cubango*)

H: tree, in forest. M: 6; 9. D: STP. V: *Madureira & Martins 483* (COI).

**DISCOCLAOXYLON** (Müll.Arg.) Pax & K.Hoffm.**<sup>f</sup>occidentale** (Müll.Arg.) Pax & K.Hoffm.

H: tree, in forest. D: STP. V: *Joffroy 230* (BRLU); *Matos 7502* (LISC).

**DISCOGLYPREMNA** Prain**caloneura** (Pax) Prain (*Pau-branco, Pó-blanco*)

H: tree, in forest. D: ST.

**DRYPETES** Vahl**<sup>f</sup>glabra** (Pax) Hutch. (*Mama-d'obô, Mamon-d'obô*)

H: tree in forest. D: ST. V: *Matos 7235* (LISC).

**<sup>f</sup>henriquesii** (Pax) Hutch. (*Mamon-d'obô, No-no*)

H: tree, in forest. M: 8; 22. D: ST. V: *Madureira & Martins 407* (COI).

**principum** (Müll.Arg.) Hutch.

H: tree, in forest. D: P.

**ELAEOPHORBIA** Stapf**drupifera** (Thonn.) Stapf (*Maglôso, Margoso, Pága-óé, Paga-ôlho, Paga-olho-de-marcação, Paga-uê, Pága-uê, Pau-amargoso, Tapa-óê*)

H: tree, in forest edges. M: 13; 177. D: STP. V: *Paiva 1169* (COI).

**ERYTHROCOCCA** Benth.**<sup>f</sup>columnaris** (Müll.Arg.) Prain

H: shrub or small tree, in forest. D: P. V: *Oliveira 215/98* (BRLU).

**<sup>f</sup>molleri** (Pax) Prain (*Bugi-bugi, Lutchica*)

H: shrub or small tree, in forest. D: ST. V: *Figueiredo 252* (LISC).

**EUPHORBIA** L.**cervicornu** Baill.

H: perennial herb. D: ST.

**\*heterophylla** L.

H: herb, on roadsides. D: ST. V: *Paiva 108* (COI).

**\*peplus** L.

H: annual herb. D: ST.

**\*pulcherrima** Willd. ex Klotzsch

H: herb, in gardens. D: ST. V: *Paiva 830* (COI).

**\*tirucalli** L. (*Álvo-sin-fidá, Árvore-sem-folha*)

H: shrub or tree, used as hedge plant. O. M: 27; 57; 146. D: ST. V: *Madureira & Martins 67* (COI).

**EXCOECARIA** L.**guineensis** (Benth.) Müll.Arg.

H: shrub, in forest. D: P.

**GROSSERA** Pax**<sup>f</sup>elongata** Hutch.

H: tree with white flowers, in forest. D: P.

**multinervis** J.Léonard

H: tree with white flowers, in forest and plantations. D: ST. V: *Matos 7648* (LISC).

**\*HEVEA** Aubl.**\*brasiliensis** (A.Juss.) Müll.Arg. (*Borracha*)

H: tree, in plantations. D: ST. V: *Paiva 826* (COI).

**\*guianensis** Aubl.

N: recorded by Exell (1944) based on a citation by Henriques without specimens.

**\*JATROPHA** L.**\*curcas** L. (*Folha-grão, Glom-maluco, Glon, Grão-maluco, Pau-glon, Pau-pixe, Purgueira*)

H: shrub or tree, in plantations and on roadsides. M: 120; 146. D: ST. V: *Paiva 111* (COI).

**\*multifida** L. (*Flom-gongô, Glom-congô, Glom-góngô*)

H: shrub or tree, used as hedge plant. M: 120; 146. D: STP. V: *Paiva 793* (COI).

**KLAINANTHUS** Pierre ex Prain**gabonii** Pierre

H: tree, in forest. D: ST.

**MACARANGA** Thouars**monandra** Müll.Arg. (*Begbe, Bêgbê, Pó-ngamala*)

H: shrub or tree, in forest. D: ST.

**MAESOBOTRYA** Benth.**<sup>f</sup>glabrata** (Hutch.) Exell

H: shrub or small tree, in forest and secondary forest. D: STP. V: *Oliveira 553* (BRLU), *1391* (BRLU).

**\*MANIHOT** Mill.**\*esculenta** Crantz (*Mandioca*)

H: shrub or undershrub with green flowers, on roadsides and cultivated ground. E: roots, leaves. M: 13; 32; 114. D: ST. V: *Paiva 1037* (COI).

**\*glaziovii** Müll.Arg.

H: shrub or tree. O. D: STP.

**MANNIOPHYTON** Müll.Arg.**fulvum** Müll.Arg. (*Congo-gloncongo*)

H: straggling bush or liana, in forest. D: STP.

**MARGARITARIA** L.f.**discoidea** (Baill.) G.L.Webster var. **discoidea** (*Pau-ferro, Pó-felo, Suvi*)

*Phyllanthus discoideus* (Baill.) Müll.Arg.

H: tree, in forest and secondary forest. M: 87; 124; 173. D: STP. V: *Madureira & Martins 467* (COI); *Paiva 936* (COI).

**NEOBOUTONIA** Müll.Arg.**mannii** Benth. (*Pluga-mato*)

H: tree, in forest. M: 146. D: STP. V: *Madureira & Martins 485* (COI).

**PHYLLANTHUS** L.**\*amarus** Schumacher & Thonn. (*Cafena-tlache, Ucuê-clache, Uê-tlache*)

H: annual herb, ruderal. M: 77; 98; 117; 130; 178; 179; 181. D: STP. V: *Pagué 4* (COI); *Paiva 1500* (COI).

**dinklagei** Pax

H: climbing shrub in secondary forest. D: ST. V: *Lejoly 97/357* (BRLU, LISC).

**gagnioevae** Brunel & J.P.Roux

*odontadenius* Müll.Arg.

H: annual or perennial herb, woody at base, in forest. D: STP. V: *Paiva 565* (COI), *1018* (COI).

**muellerianus** (Kuntze) Exell

H: shrub or climber, occasionally tree, in forest. D: ST. V: *Matos 7451* (LISC).

**physocarpus** Müll.Arg.

H: straggling tree, in forest. N: collected also in Nigeria once. D: P.

**tessmannii** Hutch.

H: shrub or tree, in forest. D: ST.

**urinaria** L. (*Cafena-tlache, Ucuê-clache, Uê-tlache*)

H: annual herb, ruderal. M: 77; 98; 117; 130; 178; 179; 181. N: very similar to *P. amarus* and not distinguished from that species by the local population. D: ST. V: *Madureira & Martins 300* (COI).

**PROTOMEGABARIA** Hutch.**macrophylla** (Pax) Hutch.

H: tree, in forest. D: STP. V: *Oliveira 154/98* (BRLU).

**PSEUDAGROSTISTACHYS** Pax & K.Hoffm.**africana** (Müll.Arg.) Pax & K.Hoffm. subsp. **africana** (*Cacau-de-obô, Dumo-branco*)

H: shrub or tree, with white flowers, in forest. D: ST. V: *Matos 7578* (LISC).

**\*RICINUS** L.**\*communis** L. (*Mamanododo, Mamóna, Mamono, Mámónó, Mamonon, Ricino, Zague-zague*)

H: shrub, ruderal. M: 39; 69; 146; 174. D: STP. V: *Paiva 801* (COI).

**SCLEROCROTON** Hochst.**cornutus** (Pax) Kruijt & Roebers

*Sapium cornutum* Pax

H: climbing shrub or tree, in forest. D: ST. V: *Oliveira 7* (BRLU).

**SHIRAKIOPSIS** Esser**elliptica** (Hochst.) Esser (*Pau-maria*)

*Sapium ellipticum* (Hochst.) Pax

H: shrub or tree, in secondary forest. D: ST. V: *Lejoly 97/201* (BRLU, LISC).

**TETROCHIDIUM** Poepp.**didymostemon** (Baill.) Pax & K.Hoffm. (*Branco, Pau-branco, Pau-mole, Pó-blanco, Pó-moli*)

H: tree, in secondary forest. D: ST. V: *Oliveira 1546* (BRLU).

**THECACORIS** A.Juss.\***manniana** (Müll.Arg.) Müll.Arg. (*Pau-fígado*)

H: tree, ± 12 m high, in forest. D: ST.

\***membranacea** PaxH: shrub, in secondary forest. D: ST. V: *Oliveira 62/98* (LISC).**stenopetala** (Müll.Arg.) Müll.Arg.

H: small tree up to 6 m high with greenish white flowers, in forest. D: P.

**TRAGIA** L.**tenuifolia** Benth.

H: climbing undershrub, in forest. D: ST.

**UAPACA** Baill.**guineensis** Müll.Arg. (*Mangue-d'obô, Nêspira-de-bosque, Nespla-d'obô*)H: tree, in forest and secondary forest. M: 3; 22; 61; 124. D: STP. V: *Madureira & Martins 171* (COI).\*?**VERNICIA** Lour.\*?**cordata** (Thunb.) Airy Shaw (*Aleurite*)*Aleurites cordata* (Thunb.) R.Br. ex Steud.

N: recorded by Exell (1973) based on a citation by Silva (1958) without specimens.

## FABACEAE

**ABRUS** Adans.**precatorius** L.H: climbing herb with pink to purple flowers and black and scarlet seeds. D: ST. V: *Matos 7320* (LISC).**ACACIA** Mill.\***farnesiana** (L.) Willd. (*Bana-muála*)

H: shrub or tree with yellow flowers. D: ST.

**kamerunensis** Gand. (*Piam-fôgô*)H: liana or climbing shrub, in forest. M: 122; 165. D: ST. V: *Madureira & Martins 211* (COI).\***nilotica** (L.) Willd. ex Delile subsp. **indica** (Benth.) Brenan

H: tree. D: ST.

**pentagona** (Schumach.) Hook.f.

H: liana, in forest. D: P.

\***ADENANTHERA** L.\***pavonina** L. (*Acácia-coral*)H: tree with small yellowish flowers and scarlet lens-shaped seeds. D: ST. V: *Matos 7681* (BRLU, LISC).**AESCHYNOMENE** L.**indica** L.

H: annual or perennial herb. D: STP.

\***ALBIZIA** Durazz.\***lebbeck** (L.) Benth.H: tree, with purple flowers. D: ST. V: *Figueiredo 90* (K).\***procera** (Roxb.) Benth.

H: tree. D: ST.

**ALYSICARPUS** Desv.**vaginalis** (L.) DC. var. **vaginalis**

H: perennial herb with pink flowers. D: ST.

\***ARACHIS** L.\***hypogaea** L. (*Amendoim, Ginguba, Gumbá*)H: annual herb with yellow flowers. E: seeds. M: 27; 103; 154. D: ST. V: *Madureira & Martins s.n.* (COI).**BAPHIA** Afzel. ex Lodd.**nitida** Lodd.H: shrub or tree, in rainforest and coastal areas. D: ST. V: *Oliveira 529* (BRLU); *Stévert 166* (BRLU).\***BAUHINIA** L.\***monandra** KurzH: tree with pink flowers. D: ST. V: *Figueiredo 86* (K).\***purpurea** L.*Perlebia purpurea* (L.) A.SchmitzH: shrub with purple flowers. D: ST. V: *Paiva 832* (COI).\***tomentosa** L.*Pauletia tomentosa* (L.) A.Schmitz

H: shrub or tree with large yellow flowers. D: ST.

**CAESALPINIA** L.**bonduc** (L.) Roxb. (*Hidó-hidó, Ido-ido*)H: shrub or tree. M: 27; 170. D: ST. V: *Madureira & Martins 448* (COI).\***pulcherrima** (L.) Sw.

H: tree with red and yellow flowers. O. D: STP.

\***CAJANUS** DC.\***cajan** (L.) Millsp. (*Feijão-congo, Fezom-côngô, Uandrá*)H: perennial shrub with yellow flowers. E: seeds. M: 106. D: STP. V: *Madureira & Martins 331* (COI).\***CALOPOGONIUM** Desv.\***mucunoides** Desv.

H: annual or perennial climber with blue flowers. D: ST.

**CANAVALIA** DC.\***ensiformis** (L.) DC.

H: annual climber with white flowers. E: young pods or immature seeds. D: ST.

**rosea** (Sw.) DC. (*Fia-açaçã*)*maritima* ThouarsH: herb with blue flowers, in coastal areas. D: ST. V: *Paiva 980* (COI).**CASSIA** L. emend. Gaertn.\***alata** L.

H: shrub ± 4 m high with yellow flowers. D: ST.

\***fistula** L. (*Canafistula, Canapistula, Cassia-oficial*)H: deciduous or semi-evergreen tree up to 15 m high, with scented, pale or vivid yellow flowers. M: 79; 87; 98; 103; 114; 119. D: ST. V: *Madureira & Martins 326* (COI).\***javanica** L.

H: tree ± 6 m high, with purple to pink flowers. D: ST.

**mannii** Oliv.*sieberiana* sensu auct. non DC.

H: tree with white or pink flowers, in forest. D: STP.

\***obtusifolia** L.*Senna obtusifolia* (L.) Irwin & Barneby

H: annual or perennial herb or undershrub, possibly introduced. D: ST.

\***occidentalis** L. (*Fedegoso, Maioba, Maiopa, Manhanoca, Munhanóca*)H: herb or undershrub with yellow flowers, on roadsides. M: 19; 27; 53; 57; 77; 98; 99; 103; 114; 135; 158. D: STP. V: *Paiva 1067* (COI).**podocarpa** Guill. & Perr. (*Fia-zaia, Folha-zaia*)H: shrub with yellow flowers. M: 68; 146; 178. D: ST. V: *Madureira & Martins 309* (COI).**senna** L. (*Maloba*)*angustifolia* VahlH: shrub with yellow flowers. D: ST. V: *Paiva 1288* (COI).**septemtrionalis** Viv.*floribunda* sensu auct. non Cav.*laevigata* Willd.*Senna septemtrionalis* (Viv.) H.S.Irwin & BarnebyH: undershrub with yellow flowers, on roadsides. D: ST. V: *Figueiredo 112* (K).\***siamea** Lam.

H: tree with yellow flowers. D: ST.

\***sophera** L. (*Maioba-beni*)

H: shrub with yellow flowers. D: STP.

\***spectabilis** DC.H: tree with yellow flowers. D: ST. V: *Paiva 254* (COI).\***CENTROSEMA** Benth.\***plumieri** (Pers.) Benth.H: climbing shrub. D: ST. V: *Oliveira 913* (BRLU).\***pubescens** Benth.H: climber with purple flowers, on roadsides. M: 146; 186. D: ST. V: *Paiva 972* (COI).\*?**CERCIS** L.\*?**siliquastrum** L. (*Olaia*)

N: recorded by Exell (1973) based on a citation by Silva (1958) without specimens.

**CHAMAECRISTA** Moench**pratensis** (R. Vig.) Du Puy*Cassia mimosoides* L.H: herb with yellow flowers. D: ST. V: *Lejoly 93/653* (BRLU).**CLITORIA** L.**falcata** Lam.*rubiginosa* Juss. ex Pers.H: climber with white flowers streaked with mauve or red. M: 64. D: ST. V: *Paiva 1198* (COI).**ternatea** L. var. **ternatea**H: perennial climbing herb. M: 64; 119. D: ST. V: *Madureira & Martins 351* (COI).? **COLOPHOSPERMUM** J.Kirk ex J.Léonard? **mopane** (J.Kirk ex Benth.) J.Kirk ex J.Léonard

N: doubtfully recorded by Exell (1973) based on a citation by Silva (1958) without specimens.

**CROTALARIA** L.**doniana** Baker

H: perennial herb. D: ST.

**ochroleuca** G. Don

H: annual herb. D: ST.

**pallida** Aiton var. **obovata** (G. Don) Polhill*mucronata* Desv.

H: annual or perennial herb or shrub. D: STP.

**retusa** L. var. **retusa** (*Maleboque, Malimboque, Marimboque*)H: herb with yellow and pink flower, ruderal. M: 146. D: STP. V: *Paiva 978* (COI).**trichotoma** Bojer*zanzibarica* Benth.

H: annual or perennial herb. D: ST.

**CYNOMETRA** L.**mannii** Oliv. (*Quebla-machado, Zungo, Zungu*)H: tree up to 20 m high, in forest. M: 33; 146; 186. D: ST. V: *Figueiredo 245* (LISC).**DALBERGIA** L.f.**ecastaphyllum** (L.) Taub. (*Majá, Popian*)H: shrub or tree, in mangroves and coastal bush. D: STP. V: *Paiva 1168* (COI).? **DANIELLIA** Benn.? **oblonga** Oliv.N: very large tree, reported by Exell (1944) based on *Chevalier 14227* (S. Tomé, Porto Alegre), a collection not seen by Exell nor by us.\* **DELONIX** Raf.\* **regia** (Bojer ex Hook.) Raf.H: tree with red flowers. O. D: ST. V: *Paiva 800* (COI).\* **DESMANTHUS** Willd.\* **virgatus** (L.) Willd. (*Fiá-foguete, Pau-foguete, Pó-foguete*)H: undershrub with white or yellow flowers, on roadsides, ruderal. M: 5; 133. D: STP. V: *Figueiredo 91* (K).**DESMODIUM** Desv.**adscendens** (Sw.) DC. var. **adscendens** (*Fia-vintém, Pega-pega*)H: perennial herb with pink flowers. M: 3; 11; 174. D: STP. V: *Madureira & Martins 142* (COI).**gangeticum** (L.) DC.H: perennial herb or shrub. D: STP. V: *Oliveira 1198* (BRLU).\* **incanum** DC. (*Pega-pega, Vala-casé*)*canum* (J.F. Gmel) Schinz & Thell.H: perennial herb with purple flowers, on roadsides and in plantations. M: 61. D: STP. V: *Figueiredo 45* (K); *Paiva 1416* (COI).\* **procumbens** (Mill.) Hitchc.H: herb. D: ST. V: *Matos 7324* (BRLU).**ramosissimum** G. Don (*Pega-pega*)H: shrub with white and mauve flowers. M: 61; 112; 158; 168; 183. D: STP. V: *Madureira & Martins 287* (COI); *Stévert 160* (BRLU).**repandum** (Vahl) DC.H: perennial herb or shrub with orange red flowers, in secondary forest and plantations. D: ST. V: *Figueiredo 109* (K).**salicifolium** (Poir.) DC.H: perennial herb or shrub. D: ST. V: *Stévert 16* (BRLU).\* **tortuosum** (Sw.) DC.H: perennial herb or undershrub with purple flowers, on roadsides. D: ST. V: *Paiva 409* (COI).**triflorum** (L.) DC.

H: annual or perennial herb. D: STP.

**velutinum** (Willd.) DC. subsp. **velutinum** (*Valacasei*)H: woody perennial herb or shrub, in savanna. D: STP. V: *Matos 7327* (LISC).**DIALIUM** L.**guineense** Willd. (*Salambá*)H: tree. D: STP. V: *Matos 7686* (LISC).**DIOCLEA** Kunth**reflexa** Hook.f. (*Coda-ipé, Códó-plégo, Corda-iplé*)H: climbing shrub. D: STP. V: *Matos 7276* (LISC).**ERYTHRINA** L.? **caffra** Thunb.

N: doubtful record of a South African species (Exell 1944) based on a literature citation; no specimens known.

**droogmansiana** De Wild. & T. Durand

H: shrub or tree up to 20 m high, in forest. D: ST.

\* **fusca** Lour.H: tree. D: ST. V: *Paiva 150* (COI).\* **mitis** Jacq.*umbrosa* Kunth

N: recorded by Exell (1973) based on a citation by Silva (1958); no specimens known.

\* **poepigiana** (Walp.) O.F. Cook (*Litrina*)H: tree, in plantations and secondary forest. M: 58; 191. D: ST. V: *Figueiredo 118* (K).**variegata** L. (*Litrina*)*indica* Lam.H: tree. M: 58; 191. D: STP. V: *Figueiredo 234* (LISC).\* **velutina** Willd.

N: recorded by Exell (1944, 1973) and by Silva (1958); no specimens known.

**FAIDHERBIA** A. Chev.**albida** (Delile) A. Chev.

H: tree up to 18 m high with yellow flowers. D: ST.

\* **HAEMATOTOXYLUM** L.\* **campechianum** L.

H: tree. D: ST.

**INDIGOFERA** L.**astragalina** DC.

H: annual herb. D: ST.

**colutea** (Burm.f.) Merr. var. **colutea**

H: annual semi-woody herb. D: ST.

**hirsuta** L. var. **hirsuta**

H: annual semi-woody herb. D: ST.

**spicata** Forssk. var. **spicata** (*Bancá*)H: perennial herb. M: 99; 126. D: ST. V: *Madureira & Martins 286* (COI).\* **suffruticosa** Mill. (*Agô*)H: undershrub, possibly introduced. D: ST. V: *Lejoly 97/294* (LISC).**tinctoria** L. var. **tinctoria** (*Agô, Agô-mato, Anileiro*)H: shrub. N: one of the original plants used to produce indigo dye. D: STP. V: *Matos 7321* (LISC).**trita** L.f. var. **subulata** (Vahl ex Poir.) AliH: woody herb. D: ST. V: *Matos 7231* (LISC).\* **INGA** Mill.\* **edulis** Mart. (*Cajareiro, Cajaseiro, Ingareiro, Ingaseiro*)H: tree. E: fruits. D: STP. V: *Figueiredo 53* (K).\* **LEUCAENA** Benth.\* **leucocephala** (Lam.) de Wit (*Leucena, Pau-foguete*)H: shrub or tree with white flowers, ruderal. D: STP. V: *Figueiredo 92* (K).**LONCHOCARPUS** Kunth**sericeus** (Poir.) Kunth (*Colema, Colima, Colma*)H: shrub or small tree with lilac flowers, in savanna. M: 146; 175. D: STP. V: *Madureira & Martins 487* (COI).

**MACHAERIUM** Pers.**lunatum** (L.f.) Ducke*Drepanocarpus lunatus* (L.f.) G.Mey.

H: shrub with purple flowers, in coastal areas. D: STP.

**MILLETTIA** Wight & Arn.**barteri** (Benth.) Dunn (*Cólíma-doido*)H: shrub or liana. M: 147; 167. D: ST. V: *Madureira & Martins 423* (COI).**griffoniana** Baill.*Lonchocarpus griffonianus* (Baill.) Dunn

H: tree up to 10 m high, with reddish purple flowers. D: ST.

**thoningii** (Schumach. & Thonn.) Baker (*Cólíma, Cólíma-fria, Colma*)

H: tree up to 18 m high, with reddish purple flowers. D: ST.

**\*MIMOSA** L.**\*polydactyla** Humb. & Bonpl. ex Willd. (*Fiá-malícia, Fissopé, Mafí-sopé*)H: perennial herb with white flowers. D: STP. V: *Paiva 713* (COI).**\*pudica** L. var. **hispida** Brenan (*Fia-malicha, Fia-malichia*)H: annual or perennial herb. M: 167; 170. D: ST. V: *Paiva 156* (COI).**MUCUNA** Adans.**flagellipes** Hook.f.H: liana with creamy white or yellowish flowers, in coastal areas. D: STP. V: *Matos 7651* (LISC).**pruriens** (L.) DC. var. **pruriens** (*Macunjá*)H: climber with violet flowers. E: seeds. M: 27; 98. D: ST. V: *Madureira & Martins 284* (COI); *Paiva 1874* (COI).**sloanei** Fawc. & Rendle

H: climber with yellow flowers. D: ST.

**NEONOTONIA** J.A.Lackey**wightii** (Wight & Arn.) J.A.Lackey*Glycine wightii* (Wight & Arn.) Verdc.

H: perennial climber with small white or mauve flowers. D: ST.

**ORMOCARPUM** P.Beauv.**sennoides** (Willd.) DC. subsp. **hispidum** (Willd.) Brenan & J.LéonardH: shrub with red-streaked yellow flowers. M: 22; 61; 150. D: ST. V: *Madureira & Martins 332* (COI).**verrucosum** P.Beauv. var. **verrucosum**H: shrub with white or lilac, purple-striped flowers, in swamps and by the sea. D: STP. V: *Matos 7270* (LISC).**\*?ORMOSIA** Jacks.**\*?dasycarpa** Jacks.

N: record (Exell 1973) based on a citation by Silva (1958) without specimens.

**\*PARASERIANTHES** I.C.Nielsen**\*falcataria** (L.) I.C.Nielsen (*Acácia, Molucana*)*Albizia falcata* (L.) Backer*A. falcataria* (L.) FosbergH: tree, in disturbed forest. D: ST. V: *Paiva 1061* (COI).**PARKIA** R.Br.**biglobosa** (Jacq.) R.Br. ex G.Don (*Farroba, Luba, Lubá, Luva, Uluba oliveri* J.F.Macbr.H: tree with orange or red flowers, in savanna. E: seeds. D: ST. V: *Matos 7707* (BRLU, LISC).**\*PELTOPHORUM** (Vogel) Benth.**\*pterothymum** (DC.) K.Heyne

H: tree up to 17 m high with yellow flowers. D: ST.

**PENTACLETHRA** Benth.**macrophylla** Benth. (*Moandim, Moandjim, Mondim, Muandi, Muandim, Muange, Sicupira, Uba*)H: large tree with yellowish creamy flowers, in secondary forest. E: seeds. M: 8; 95; 124; 149. D: STP. V: *Paiva 11* (COI), *1475* (COI).**\*PHASEOLUS** L.**\*lunatus** L. (*Feijão-cutelinho, Feijão-espadinho*)

H: annual or perennial climber with white flowers. E: fruits, seeds. D: ST.

**\*vulgaris** L. var. **vulgaris** (*Feijão*)

H: annual climber with white or pink flowers. E: seeds. D: ST.

**PSOPHOCARPUS** Neck.**scandens** (Endl.) Verdc.H: perennial climbing herb with blue flowers, on roadsides. D: ST. V: *Paiva 946* (COI).**\*PTEROCARPUS** Jacq.**\*indicus** Willd.

H: tree with yellow flowers. D: ST.

**\*PUERARIA** DC.**\*phaseoloides** (Roxb.) Benth. var. **javanica** (Benth.) Baker

H: climber. E: roots. D: ST.

**RHYNCHOSIA** Lour.**densiflora** (Roth) DC. subsp. **debilis** (G.Don) Verdc.

H: climber. D: ST.

**minima** (L.) DC. var. **prostrata** (Harv.) Meikle (*Sodom-campo*)H: prostrate herb with yellow flowers. M: 67; 96; 146; 167. D: ST. V: *Madureira & Martins 327* (COI).**\*SAMANEA** Benth.**\*saman** (Jacq.) Merr. (*Acácia-preta, Inga-saman, Pau-chuva*)

H: large tree. D: ST.

**SESBANIA** Scop.**sericea** (Willd.) LinkH: annual or biennial herb. D: ST. V: *Matos 7406* (LISC).**SOPHORA** L.**tomentosa** L. subsp. **occidentalis** (L.) Brummitt

H: shrub with yellow flowers. D: ST.

**\*TAMARINDUS** L.**\*indica** L. (tree: *Tamanhã, Tamarindeiro*; fruit: *Tamarindo*)H: tree with yellow flowers with orange or red streaks. E: fruits. D: STP. V: *Paiva 817* (COI).**TEPHROSIA** Pers.**\*candida** (Roxb.) DC. (*Bancá*)H: shrub or small tree. O. M: 139. D: ST. V: *Madureira & Martins 569* (COI).**noctiflora** Bojer ex BakerH: annual or perennial herb. D: ST. V: *Matos 7700* (LISC).**platycarpa** Guill. & Perr.*flexuosa* G.Don

H: annual herb woody at base, with pink or purple flowers. D: ST.

**purpurea** (L.) Pers. subsp. **leptostachya** (DC.) Brummitt var. **pubescens** Baker

H: perennial herb. D: ST.

**uniflora** Pers. subsp. **uniflora**H: perennial herb with pink flowers. D: ST. V: *Matos 7328* (LISC).**vogelii** Hook.f. (*Baméa, Bancá, Cafoto*)

H: woody herb with white or violet flowers. D: STP.

**TERAMNUS** P.Browne**labialis** (L.f.) Spreng. subsp. **arabicus** Verdc.H: climber with reddish flowers. D: STP. V: *Paiva 979* (COI).**TETRAPLEURA** Benth.**tetraptera** (Schumach. & Thonn.) Taub. (*Cuspila, Cuspira*)

H: tree with yellowish to pinkish flowers. D: ST.

**URARIA** Desv.**picta** (Jacq.) DC. (*Fiá-placela*)H: undershrub with pink, blue or reddish flowers, in savanna. D: ST. V: *Matos 7460* (LISC).**\*?VICIA** L.**\*?faba** L. (*Fava, Faveira*)

N: record (Exell 1973) based on a citation by Silva (1958) without specimens.

**VIGNA** Savi**adenantha** (G.F.Mey.) Maréchal, Mascherpa & Stainier*Phaseolus adenanthus* G.Mey.

H: perennial climber. D: ST.

**gracilis** (Guill. & Perr.) Hook.f.H: twining herb with yellow flowers. D: P. V: *Stévert 14* (BRLU).

**VIGNA** Savi (cont.)**luteola** (Jacq.) Benth. var. **luteola***oblonga* sensu auct. non Benth.H: perennial climber. D: ST. V: *Matos 7517* (LISC).**racemosa** (G.Don) Hutch. & Dalz.H: perennial climbing herb with blue flowers. D: STP. V: *Figueiredo 206* (LISC).**unguiculata** (L.) Walp. subsp. **alba** (G.Don) Pasquet*alba* (G.Don) Planch. ex Baker f.*unguiculata* subsp. *dekindiana* sensu auct. non (Harms) Verdc.H: perennial herb with white or bluish-purple flowers. E: seeds. D: ST. V: *Matos 7620* (LISC).**\*ZORNIA** J.F.Gmel.**\*latifolia** Sm. var. **latifolia**H: annual or perennial herb with yellow flowers, in savanna. D: P. V: *Matos 7764* (LISC).

## FLACOURTIACEAE

**CASEARIA** Jacq.**barteri** Mast. (*Bôbô-bôbô, Inhé-bobô*)*mannii* Mast.H: shrub or tree, in forest and secondary forest. D: STP. V: *Figueiredo 242* (LISC).**FLACOURTIA** Comm. ex L'Hér.**indica** (Burm.f.) Merr.*flavescens* Willd.

H: climbing shrub or tree, in forest. E: fruits. D: ST.

**HOMALIUM** Jacq.**africanum** (Hook. f.) Benth. (*Quebra-machado*)

H: shrub, in forest. D: ST.

**\*henriquesii** Gilg ex Engl. (*Quebra-machado*)H: tree, in forest. M: 33; 146; 186. D: ST. V: *Madureira & Martins 410* (COI).**ONCOBA** Forssk.**spinosa** Forssk. (*Dibixi, Malebouque, Malimboque*)H: shrub, in forest and savanna. M: 168. D: ST. V: *Figueiredo 243* (LISC).**OPHIOBOTRYS** Gilg**zenkeri** Gilg (*Clacia, Claclá, Cuaco-bangana, Stlala-stlala*)H: shrub or tree, in forest. M: 17. D: ST. V: *Madureira & Martins 624* (COI).**\*FUMARIACEAE****\*FUMARIA** L.**\*muralis** Sond. ex W.D.J.KochH: herb with pink flowers. D: ST. V: *Lejoly 98/214* (BRLU).

## GENTIANACEAE

**ANTHOCLEISTA** Afzel. ex R.Br.**microphylla** WernhamH: tree or climber with white flowers, in forest and secondary forest. D: STP. V: *Figueiredo 67* (K).**nobilis** G.Don*macrophylla* G.DonH: tree with white flowers, in forest and secondary forest. D: STP. V: *Matos 7449* (LISC); *Oliveira 221/98* (BRLU).**scandens** Hook.f.H: tree or climber with white flowers, in forest and secondary forest. D: ST. V: *Matos 7359* (LISC).

## GESNERIACEAE

**EPITHEMA** Blume**tenue** C.B.Clarke

H: herb, in forest. D: ST.

**STREPTOCARPUS** Lindl.**elongatus** Engl.*thomensis* ExellH: herb up to 0.3 m high with white flowers, in forest. D: ST. V: *Matos 7674* (LISC).**nobilis** C.B.Clarke

H: herb, in forest. D: ST.

## GOODENIACEAE

**SCAEVOLA** L.**plumieri** (L.) Vahl

H: shrub, in littoral regions. D: ST.

## HERNANDIACEAE

**HERNANDIA** L.**\*beninensis** Welw. ex Henriq. (*Bungá, Pau-candeia*)H: tree, in forest. M: 92; 160. D: ST. V: *Madureira & Martins 22* (COI).

## ?\*HYDRANGEACEAE

## ?\*HYDRANGEA L.

## ?sp.

N: recorded by Exell (1944) based on a citation by Chevalier; no specimens known.

## HYPERICACEAE

**HARUNGANA** Lam.**madagascariensis** Lam. ex Poir. (*Pau-sangue, Pó-sangue, Sangue*)H: shrub or small tree, in forest and secondary forest. M: 13; 124. D: STP. V: *Madureira & Martins 460* (COI); *Paiva 1060* (COI).**\*IRIDACEAE****\*NEOMARICA** Sprague**\*caerulea** (Ker Gawl.) Sprague

D: STP.

## IRVINGIACEAE

**IRVINGIA** Hook.f.**gabonensis** (Aubry-Lecomte ex O'Rorke) Baill. (*Manga-macaco*)

H: tree, in forest. D: P.

## JUNCACEAE

**LUZULA** DC.**mannii** (Buchenau) Kirschner & Cheek subsp. **mannii***campestris* (L.) DC. var. *mannii* Buchenau

H: perennial herb. D: ST.

## LAMIACEAE

**ACHYROSPERMUM** Blume**oblongifolium** Baker (*Beganssom, Folha-belga*)H: undershrub with green-white flowers. M: 5; 51. D: ST. V: *Madureira & Martins 310* (COI).

## ?\*ELSHOLTZIA Willd.

## ?sp.

N: recorded for S.Tomé by Exell (1944) based on a literature citation; no specimens known.

**LEONOTIS** (Pers.) R.Br.**nepetifolia** (L.) R.Br. (*Penicano, Pinicane, Pinincano*)H: herb up to ± 1.5 m high, with pink flowers. M: 5; 22; 54; 60; 61; 77; 123; 150; 158; 174. D: STP. V: *Madureira & Martins 158* (COI).**\*MENTHA** L.**\*rotundifolia** (L.) Huds. (*Letrão*)

H: perennial herb. E: leaves. D: ST.

**OCIMUM L.**\***americanum** L. (*Fiá-mosquito*)*canum* L.H: perennial herb, near cultivated areas. M: 79; 99; 134; 174. D: ST. V: *Madureira & Martins 604* (COI).\***basilicum** L. (*Fia-mosquito, Madlicom, Mosquito*)H: perennial herb, near cultivated areas. E: leaves. M: 79; 99; 134; 174. D: ST. V: *Paiva 1035* (COI).**gratissimum** L. var. **gratissimum** (*Fia-micoco, Micóco, Micoco-di-que, Pau-mosquito*)H: perennial herb with white flowers. E: leaves. M: 21; 27; 52; 79; 156; 166. D: STP. V: *Paiva 1045* (COI), *1502* (COI).\***minimum** L. (*Madlicom*)*basilicum* sensu auct. pro parte, non L.H: perennial herb, near cultivated areas. M: 27; 52; 76; 156. D: ST. V: *Madureira & Martins 104* (COI).**PLATOSTOMA** P.Beauv.**africanum** P.Beauv.

H: herb up to 0.6 m high, in forest. D: ST.

\***SALVIA** L.\***coccinea** Buc'hoz ex Etl.

H: perennial herb with red flowers. O. D: ST.

\***splendens** Ker Gawl.H: perennial herb with red flowers, on roadsides. D: ST. V: *Paiva 1005* (COI).**SOLENOSTEMON** Thonn.**monostachyus** (P.Beauv.) Briq. (*Fiá-manjoló, Magero, Manjoló*)H: annual or perennial herb with bluish flowers, in forest, secondary forest, plantations, ruderal. E: leaves. M: 79; 94; 165; 169. D: STP. V: *Paiva 355* (COI).\***STACHYS** L.\***arvensis** (L.) L.H: annual herb. D: ST. V: *Matos 7229* (LISC).\***LAURACEAE**\***CINNAMOMUM** L.\***burmanni** (Nees & T.Nees) Blume (*Canela-brava*)H: small tree. E: bark (spice: *cassia*). D: STP. V: *Matos 7583* (LISC).\***camphora** (L.) J.Presl (aromatic compound: *Cânfora*; tree: *Canforeira*)H: tree, in secondary forest. D: ST. V: *Oliveira 150* (BRLU).\***verum** J.Presl (*Canela, Canela-d'obô, Caneleira, Pau-canela*)*zeylanicum* BlumeH: small tree with whitish flowers, in secondary forest. E: bark (spice: *canela*). M: 173. D: STP. V: *Figueiredo 49* (K).\***PERSEA** Mill.\***americana** Mill. (fruit: *Abacate, Avacate, Avocado, Bacatche*; tree: *Abacateiro*)H: large tree, with small yellowish flowers. E: fruits. M: 51; 57; 61; 64; 91; 137; 150; 161; 165; 168. D: STP. V: *Madureira & Martins 273* (COI).**LEEACEAE****LEE** L.**guineensis** G.DonH: shrub or small tree, with red, orange or yellow flowers. E: fruits. D: ST. V: *Oliveira 1429* (BRLU).\***tinctoria** Baker (*Celé-alé, Celé-celé, Cêlê-cêlê*)H: shrub or small tree with red or orange flowers. D: ST. V: *Figueiredo 244* (LISC); *Paiva 1925* (COI).**LEMNACEAE****LEMNA** L.**aequinoctialis** Welw.*perpusilla* sensu auct. non Torrey

H: aquatic floating herb. D: ST.

**LENTIBULARIACEAE****UTRICULARIA** L.**mannii** Oliv.H: small, perennial epiphyte with yellow flowers, in forest. D: STP. V: *Joffroy 209* (BRLU); *Paiva 1082* (COI).**striatula** Sm.H: small epiphyte, in forest. D: P. V: *Paiva 1483* (COI).**LINACEAE****HUGONIA** L.**platysepala** Welw. ex Oliv.

H: climbing shrub or small tree, with white or yellow flowers, in forest. D: P.

**LOBELIACEAE****LOBELIA** L.\***barnsii** ExellH: herb, in mountain forest. D: ST. V: *Matos 7703* (LISC).**molleri** Henriq.H: herb up to 0.6 m high with white flowers, in forest. D: ST. V: *Matos 7543* (LISC).**LORANTHACEAE****HELIXANTHERA** Lour.**mannii** (Oliv.) Danser var. **mannii**H: parasitic shrub with pendent stems, in forest and plantations. D: ST. V: *Oliveira 855* (BRLU).**MALPIGHIACEAE****ACRIDOCARPUS** Guill. & Perr.**longifolius** (G.Don) Hook.f. (*Micando-homem, Milandó-homem, Milondó-homem*)H: small tree or climbing shrub with yellow flowers in secondary forest and plantations. M: 22; 167. D: STP. V: *Paiva 1009* (COI).**HETEROPTERYS** Kunth**leona** (Cav.) Exell

H: climber with yellow flowers. D: STP.

**MALVACEAE**\***ABELMOSCHUS** Medik.\***esculentus** (L.) Moench (*Iquiabo, Quiabo*)H: annual herb with yellow flowers, in plantations and on roadsides. E: fruits. M: 95. D: STP. V: *Paiva 781* (COI).\***moschatus** Medik.

H: Perennial herb. E: leaves, fruits. D: ST.

**ABUTILON** Mill.**grandiflorum** G.Don (*Fiá-máliva, Máliva, Malva*)H: herb or shrub with yellow to orange flowers. M: 40; 61; 64; 89; 98; 103; 158; 174. D: ST. V: *Madureira & Martins 112* (COI).\***grandifolium** (Willd.) Sweet (*Mandioca-brava*)H: perennial herb with yellow to orange flowers. D: ST. V: *Paiva 1062* (COI).\***striatum** Dicks. ex Lindl. (*Mandioca-brava, Mata-boi*)*venosum* LemaireH: shrub with orange to purple flowers in secondary forest and on roadsides. M: 139. D: ST. V: *Madureira & Martins 473* (COI).\***GOSSYPIUM** L. (*U-u-dêçu, Algodão*)\***barbadense** L.

H: shrub with yellow flowers. M: 69; 111; 181. D: STP.

\***hirsutum** L.

H: shrub with yellow flowers. M: 69; 111; 181. D: ST.

**HIBISCUS** L.\***acetosella** Welw. ex Hiern (*Fia-mussa, Fia-mússua, Mussa, Mussa-blanco, Mússua*)H: annual or perennial herb or shrub, ruderal. E: leaves, flowers. M: 40; 60. D: STP. V: *Madureira & Martins 649* (COI); *Paiva 632* (COI).

**HIBISCUS** L. (cont.)**donianus** D.Dietr.

H: annual herb. D: ST. V: *Matos 7318* (LISC).

**\*mutabilis** L.

H: shrub with white or pink flowers. D: STP.

**physaloides** Guill. & Perr.

H: woody herb. D: ST.

**\*rosa-sinensis** L.

H: shrub with red flowers. D: STP. V: *Madureira & Martins 650* (COI).

**sabdariffa** L.

H: annual or perennial herb with white to yellow flowers. D: ST.

**surattensis** L.

H: annual herb with yellow flowers. M: 57. D: STP. V: *Madureira & Martins 148* (COI).

**tiliaceus** L. (*Fiteira*)

H: shrub or tree with yellow flowers in coastal areas or near water-courses. D: ST.

**\*MALVASTRUM** A.Gray**\*coromandelianum** (L.) Garcke (*Itóto-doido*, *Ototo*, *Otótó-homé*)

H: herb with pale yellow flowers. M: 158. D: STP. V: *Madureira & Martins 193* (COI).

**SIDA** L.**acuta** Burm.f. subsp. **acuta** (*Itótó*, *Ototo*, *Otótó*, *Otótó-mualá*, *Ototo-pequeno*, *Ototo-piquina*)

H: herb or undershrub with yellow flowers, ruderal. M: 143; 175. D: STP. V: *Paiva 631* (COI), *827* (COI).

**cordifolia** L.

H: shrub with yellow or white flowers. D: ST.

**javensis** Cav.**pilosa** Retz.**veronicifolia** Lam.

H: prostrate herb with yellow flowers. D: ST.

**rhubifolia** L. (*Bobó-bobó*, *Catumba-jinji*, *Itoto*, *Ototo*, *Ototo-pequeno*, *Ototo-vento*)

H: undershrub with yellow flowers, ruderal. D: STP. V: *Figueiredo 73* (K); *Paiva 637* (COI).

**rigida** (D.Don) D.Dietr.

H: herb or undershrub. D: ST.

**urens** L.

H: perennial herb or undershrub. D: ST.

**\*URENA** L.**\*lobata** L. (*Otótó-fogo*, *Otótó-glandje*, *Ototo-glandji*, *Ototo-grande*, *Ototo-ome*, *Otótó-vento*)

H: perennial herb or undershrub with pink flowers, ruderal. M: 61; 91; 158; 175; 183. D: STP. V: *Figueiredo 42* (K); *Paiva 1418* (COI).

**WISSADULA** Medik.**rostrata** (Schumach.) Hook.f. (*Ototo-vento*, *Otótó-vento*)

**amplissima** (L.) R.E.Fries var. **rostrata** (Schumach.) R.E.Fries

H: undershrub. D: STP.

**MARANTACEAE****CALATHEA** G.Mey.**sp.**

H: herb with red-purple flowers. D: ST. V: *Lejoly 93/619* (BRLU).

**\*MARANTA** L.**\*arundinacea** L.

H: herb cultivated for the fleshy rhizome. E: rhizome. D: STP.

**THAUMATOCOCCUS** Benth.**daniellii** (Bennet) Benth. (*Majunga*, *Mangungo*)

H: rhizomatous herb. E: seed aril. M: 27; 60. D: STP. V: *Madureira & Martins 302* (COI); *Paiva 626* (COI).

**MELASTOMATACEAE****CALVOA** Hook.f.**<sup>E</sup>confertifolia** Exell

H: herb up to 0.4 m high, with pink flowers, in forest. D: ST.

**<sup>E</sup>crassinoda** Hook.f.**molleri** Gilg

H: shrub up to 2.5 m high, with pink flowers, in forest and secondary forest. D: ST. V: *Figueiredo 199* (LISC).

**grandifolia** Cogn.

H: undershrub up to 1.2 m high, with pink flowers, in forest and secondary forest. D: STP. V: *Figueiredo 202* (LISC); *Oliveira 516* (BRLU).

**hirsuta** Hook.f.**henriquesii** Cogn.

H: herb up to 0.3 m high, with white or pink flowers, in forest. D: STP. V: *Oliveira 569* (BRLU); *Paiva 1079* (COI).

**<sup>E</sup>integrifolia** Cogn.

H: herb up to 0.4 m high, with pink flowers, in forest. D: ST.

**sinuata** Hook.f.

H: herb or shrub up to 1.2 m high, in forest. D: P. V: *Figueiredo 160* (LISC).

**DISSOTIS** Benth.**barteri** Hook.f. ex Triana

H: herb or shrub up to 2 m high, with pink flowers, in forest. D: P. V: *Stévant 259* (BRLU).

**HETEROTIS** Benth.**rotundifolia** (Sm.) Jacq.-Fél.

H: decumbent herb rooting at nodes, with pink flowers, in forest. D: STP. V: *Stévant 242* (BRLU).

**MELASTOMASTRUM** Naudin**capitatum** (Vahl) A.Fern. & R.Fern.

H: perennial herb or shrub up to 0.9 m high. D: ST. V: *Oliveira 1042* (BRLU).

**MEMECYLON** L.**sp.**

H: shrub or small tree. D: ST. V: *Oliveira 1407* (BRLU).

**TRISTEMMA** Juss.**coronatum** Benth.

H: herb or undershrub with pink or white flowers. D: P.

**hirtum** P.Beauv.

H: herb or undershrub with pink flowers. D: STP. V: *Matos 7638* (LISC).

**littorale** Benth. subsp. **biafranum** Jacq.-Fél. var. **biafranum**

*incompletum* sensu auct. pro parte non R.Br.

H: shrub. D: P.

**<sup>E</sup>littorale** Benth. subsp. **biafranum** Jacq.-Fél. var. **insulare** Jacq.-Fél. (*Fid-vela*)

*incompletum* sensu auct. pro parte non R.Br.

H: shrub. M: 124; 129. D: ST. V: *Madureira & Martins 503* (COI).

**littorale** Benth. subsp. **littorale**

H: shrub. D: P.

**<sup>E</sup>mauritanium** J.F.Gmel. var. **mildbraedii** (Gilg) Jacq.-Fél.

*mildbraedii* Gilg ex Engl.

H: shrub with pink to mauve flowers. D: ST. V: *Figueiredo 251* (LISC).

**<sup>E</sup>mauritanium** J.F.Gmel. var. **rozeiranum** Jacq.-Fél. (*Anjógó*)

*incompletum* sensu auct. pro parte non R.Br.

H: shrub with pink to reddish flowers. M: 173. D: ST. V: *Paiva 61* (COI).

**<sup>E</sup>mauritanium** J.F.Gmel. var. **thomense** (J.H.P.B.Ferreira) Jacq.-Fél.

*thomensis* J.H.P.B.Ferreira

H: shrub with pink to mauve flowers. D: ST. V: *Figueiredo 211* (LISC).

**WARNECKEA** Gilg**membranifolia** (Hook.f.) Jacq.-Fél. (*Clossom-liso*)

*Memecylon membranifolium* Hook.f.

*M. fernandianum* Gilg ex Engl.

H: shrub or tree. M: 154. D: ST. V: *Madureira & Martins 181* (COI).

**memecyloides** (Benth.) Jacq.-Fél. (*Glêlê-nhame*, *Toni-fachico*)

*Memecylon memecyloides* (Benth.) Exell

H: shrub or tree with blue flowers. M: 79. D: STP. V: *Madureira & Martins 202* (COI).

**MELIACEAE****CARAPA** Aubl.**procera** DC. (*Gógó*, *Gogo-vermelho*, *Gôgo-viêmê*)

H: tree with white and pink flowers, in forest and plantations. M: 13; 126; 183. D: ST. V: *Madureira & Martins 403* (COI).

**\*CEDRELA** P.Browne**\*odorata** L. (*Cedrela, Cidrela, Cedrela, Pau-cebola, Pó-cébóla*)H: tree with small white flowers. M: 60; 123; 175. D: ST. V: *Madureira & Martins 441* (COI).**\*MELIA** L.**\*azedarach** L. (*Lilás-do-Cabo, Sicomoro*)

H: tree with small purple or lilac flowers. D: STP.

**\*TOONA** (Endl.) M.Roem.**\*ciliata** M.Roem. (*Pau-alho, Pó-alho*)H: tree with small white flowers. D: ST. V: *Oliveira 1059* (BRLU).**TRICHILIA** P.Browne**\*grandifolia** Oliv. (*Cola-de-macaco, Cola-macaco, Vêludo*)H: tree, in forest. M: 22; 189. D: ST. V: *Matos 7576* (LISC).**TURRAEA** L.**vogelii** Hook.f. ex Benth. (*Valaplê, Vara-preta*)H: woody climber or scandent shrub. M: 22. D: STP. V: *Matos 7630* (LISC).

## MENISPERMACEAE

**CHASMANThERA** Hochst.**dependens** Hochst.

H: liana up to 20 m high, with yellow flowers, in cultivated ground. D: ST.

**STEPHANIA** Lour.**dinklagei** (Engl.) Diels

H: liana up to 20 m high, in forest. D: P.

**TILIACORA** Colebr.**sp.**H: liana. D: ST. V: *Lejoly 98/268* (BRLU).

## MORACEAE

**\*ARTOCARPUS** J.R.Forst. & G.Forst.**\*altilis** (Parkinson) Fosberg (fruit: *Castanha, Fluta, Fluta-pom, Fruta-pão*; tree: *Arteira, Árvore-da-castanha, Árvore-do-pão, Pau-castanha*)H: tree. E: fruits. M: 8; 61. D: STP. V: *Paiva 257* (COI).**\*heterophylla** Lam. (fruit: *Jaca*; tree: *Jaqueira, Pau-jaca*)H: tree. E: fruits. M: 27; 87. D: STP. V: *Paiva 494* (COI).**\*CASTILLA** Cerv.**\*elastica** Sessé ex Cerv.

H: tree up to 18 m high. D: STP.

**\*CECROPIA** Loefl.**\*peltata** L. (*Gófé, Gófe*)H: tree up to 25 m high, with yellow or green flowers. D: ST. V: *Paiva 93* (COI).**FIGUS** L.**\*carica** L. (*Figueira*)H: tree. E: fruits. D: ST. V: *Oliveira 246* (BRLU).**chlamydocarpa** Warb. ex Mildbr. & Burret subsp. **chlamydocarpa**

H: strangler fig, in forest. D: STP.

**\*chlamydocarpa** Warb. ex Mildbr. & Burret subsp. **fernandesiana** (Hutch.) C.C.Berg (*Figo-obata*)*fernandesiana* Hutch.H: strangler fig, in forest. D: ST. V: *Lejoly 97/231* (BRLU, LISC).**\*elastica** Roxb.

H: tree. O. D: ST.

**exasperata** Vahl (*Memé, Pó-lixá*)H: shrub or tree, in forest. D: ST. V: *Figueiredo 215* (LISC).**kamerunensis** Warb. ex Mildbr. & Burret (*Mussandá, Mussundá*)H: tree or shrub, in forest. D: ST. V: *Oliveira 36* (BRLU).**lutea** Vahl*vogelii* (Miq.) Miq.

H: tree or shrub, in forest. D: ST.

**mucoso** Welw. ex Ficalho (*Figo-de-porco, Figo-plôcô, Figo-plôcu*)*sidifolia* Welw. ex HiernH: tree, in forest. D: ST. V: *Paiva 1937* (COI).**\*pumila** L.H: climber. D: ST. V: *Oliveira 66/98* (BRLU).**sur** Forssk. (*Figo-tôdô, Figo-tordo, Tôdô*)*capensis* Thunb.H: tree, in forest. E: fruits. D: STP. V: *Paiva 1181* (COI), *1333* (COI).**thonningii** Blume (*Lemba-lemba, Mussandá*)*annobonensis* Mildbr. & Hutch.H: tree or shrub, in forest. M: 57; 75; 87; 94. D: STP. V: *Figueiredo 87* (K).**MESOGYNE** Engl.**insignis** Engl.*henriquesii* Engl.

H: tree up to 16 m with greenish flowers, in forest and cultivated ground. D: ST.

**MILICIA** Sim**excelsa** (Welw.) C.C.Berg (*Amoreira, Moreira, Mucambá-vlémé, Mulêla*)*Chlorophora excelsa* (Welw.) Benth. & Hook.f.H: large tree, in forest and plantations. M: 52; 87; 95; 153; 167. D: STP. V: *Oliveira 119* (BRLU).**MUSANGA** C.Sm. ex R.Br.**cecropioides** R.Br. (*Gofé, Gófe, Gófé, Gofe-d'obô, Pau-sabrina*)H: tree up to 20 m high, with green flowers, in forest and secondary forest. D: ST. V: *Paiva 418* (COI).**TRECULIA** Decne. ex Trécul**africana** Decne. ex Trécul var. **africana** (*Giquenge, Isa, Isa- quente, Izaquente, Ogue, Opacala, Quicange, Quicuange, Zéquentche*)H: tree up to 25 m high with small white flowers, in forest. E: fruits. M: 18; 39; 40; 57; 121; 125; 158; 191. D: STP. V: *Paiva 1209* (COI).**TRILEPISIUM** Thouars**madagascariense** DC.

H: tree, up to 30 m high, in plantations. D: ST.

## MUSACEAE

**\*ENSETE** Horan.**\*ventricosum** (Welw.) Cheesman*Musa ventricosa* Welw.

D: ST.

**\*MUSA** L.**\*paradisiaca** L.

M: 68; 79; 103; 116; 126. D: STP.

**\*balbisiana** Colla*rosacea* Jacq.

D: ST.

## MYRISTICACEAE

**\*MYRISTICA** Gronov.**\*fragrans** Houtt. (*Noz-moscada*)H: small tree. E: fruits (spice). D: ST. V: *Paiva 396* (COI).**PYCNANTHUS** Warb.**angolensis** (Welw.) Warb. (*Cachão, Cashon, Cassa, Pau-caixão, Pó-cassom, Pó-cásson*)H: tree, in forest, secondary forest and plantations. M: 51; 61; 79; 87; 90; 125; 167; 175. D: ST. V: *Madureira & Martins 218* (COI).**STAUDIUM** Warb.**\*pterocarpa** (Warb.) Warb. (*Pau-vermelho, Vermelho, Vlêmê*)H: tree in forest and secondary forest. M: 13; 56; 125. D: ST. V: *Madureira & Martins 162* (COI).

## MYRSINACEAE

**ARDISIA** Sw.**staudtii** Gilg*Afrardisia cymosa* (Baker) MezH: shrub or small tree with red flowers, in forest. D: STP. V: *Matos 7440* (LISC).

**MAESA** Forssk.

**lanceolata** Forssk. subsp. **borjaeana** (Henriq.) White (*Mutopa, Pau-cabra*)

*borjaeana* Henriq.

H: shrub or small tree, with small white or yellowish flowers, in forest and on roadsides. D: ST. V: *Figueiredo 64* (K).

**RAPANEA** Aubl.

**melanophloeos** (L.) Mez  
*thomensis* Exell

H: shrub or small tree, with small white or yellowish flowers, in forest. D: ST. V: *Matos 7507* (LISC).

## MYRTACEAE

**\*EUCALYPTUS** L'Hér.

**\*sp.** (*Calipto*)

H: tree. D: ST. V: *Oliveira 1326* (BRLU).

**EUGENIA** L.

**\*brasiliensis** Lam. (*Comoxama, Grumechame, Grumexava, Grumixaba, Grumixama, Grumixameira, Grumixava*)

*dombeyi* (Spreng.) Skeels

H: tree, in plantations. E: fruits. M: 99. D: ST. V: *Madureira & Martins 669* (COI).

**elliottii** Engl. & Brehmer

H: shrub or small tree. D: ST.

**\*uniflora** L. (*Ameixa-do-Pará, Cereja-de-Caiena, Pitanga, Pitangueira*)

H: shrub or tree. E: fruits. M: 173. D: STP. V: *Matos 7690* (LISC).

**\*MELALEUCA** L.

**\*leucadendron** (L.) L.

H: shrub, in savanna. D: ST. V: *Matos 7462* (LISC).

**\*MYRCIARIA** O.Berg

**\*cauliflora** (Mart.) O.Berg (*Jabuticaba, Jabuticabeira*)

H: small tree. E: fruits. D: ST.

**\*PSIDIUM** L.

**\*cattleianum** Sabine (*Gueva-quiô*)

*littorale* Raddi

H: shrub. E: fruits. M: 27. D: ST. V: *Madureira & Martins 652* (COI).

**\*guajava** L. (*Gaiaba, Gaiava, Goiaba, Goiabeira, Gueva, Guiaba*)

H: shrub or tree. E: fruits. M: 19; 33; 57; 61; 67; 112; 135; 146; 175. D: STP. V: *Paiva 1520* (COI).

**SYZYGIUM** Gaertn.

**\*aromaticum** (L.) Merr. & L.M.Perry (*Cravinho*)

H: tree with red flowers. E: flower buds (spice). D: ST.

**guineense** (Willd.) DC. (*Matazem, Matchanzoche, Matianzoche*)

H: shrub or tree with white flowers, in forest. M: 22; 109; 125; 167; 183. D: ST. V: *Madureira & Martins 328* (COI).

**\*jambos** (L.) Alston (*Jambo-jambo, Jamboeiro, Pau-jambre, Pialá*)

H: tree with whitish flowers, in plantations and on roadsides. E: fruits. M: 5; 40; 79; 158; 175. D: STP. V: *Paiva 1031* (COI).

**staudtii** (Engl.) Mildbr.

H: tree up to 30 m high, in forest. D: ST.

## NYCTAGINACEAE

**BOERHAVIA** L.

**diffusa** L. (*Erva-tostão, Fia-plocôssom, Fia-plôccsom*)

*coccinea* Mill.

*paniculata* Rich.

H: perennial herb, ruderal. M: 77; 98; 114; 119; 149. D: STP. V: *Paiva 384* (COI).

**\*BOUGAINVILLEA** Comm. ex Juss.

**\*spectabilis** Willd. (*Buganvila*)

H: climbing shrub with purple, red or white flowers. O. D: STP. V: *Paiva 287* (COI).

**\*MIRABILIS** L.

**\*jalapa** L. (*Losa-bilança, Rosa-bilança*)

H: perennial herb up to ± 1 m high, with white or red flowers. E: leaves. M: 4; 51; 61; 63; 98; 125; 134. O. D: ST. V: *Paiva 699* (COI).

## OCHNACEAE

Note: recent nomenclatural changes at generic level were not considered. The taxonomy follows AFPD (2009).

**CAMPYLOSPERMUM** Tiegh.

**reticulatum** (P.Beauv.) Farron var. **reticulatum**

*Ouratea brunneopurpurea* Gilg

H: shrub or small tree. D: STP.

**vogelii** (Hook.f.) Farron var. **molleri** (Tiegh.) Farron (*Dumo, Dumo-vermelho, Pau-dumo*)

*Ouratea molleri* (Tiegh.) Exell

H: shrub or tree with yellow flowers in forest. D: STP. V: *Lejoly 95/020* (BRLU, LISC).

**OCHNA** L.

**membranacea** Oliv. (*Pau-dumo, Pó-dumo, Vilo*)

H: shrub or tree in forest, secondary forest and savanna. D: ST. V: *Figueiredo 106* (K).

**§multiflora** DC.

H: shrub in forest. D: STP. V: *Stévant 255* (BRLU).

**OURATEA** Aubl.

**nutans** (Hiern) Exell

H: shrub with yellow flowers. D: P.

**sp.**

H: shrub. D: ST. V: *Lejoly 98/267* (BRLU).

**RHABDOPHYLLUM** Tiegh.

**arnoldianum** (De Wild. & T.Durand) Tiegh.

*Ouratea quintasii* (Tiegh.) Exell

H: shrub, in forest. D: ST. V: *Oliveira 1409* (BRLU).

## OLACACEAE

**HEISTERIA** Jacq.

**parvifolia** Sm. (*Nonó, Pau-preto*)

H: tree, in forest and plantations. D: STP. V: *Lejoly 97/272* (BRLU).

**OLAX** L.

**gambecola** Baill.

H: shrub with white or yellowish flowers. D: ST.

**\*XIMENIA** L.

**\*americana** L. (*Limon-plé*)

H: tree, in savanna. E: fruits. M: 22. D: ST. V: *Matos 7725* (LISC).

## OLEACEAE

**JASMINUM** L.

**bakeri** Scott-Elliot (*Codó-qué-d'ôbô*)

H: climber with white flowers, in forest. M: 79; 94. D: ST. V: *Joffroy 135* (BRLU).

**fluminense** Vell.

H: climber with white flowers, in forest. D: ST.

**thomense** Exell

H: climber with white flowers, in forest. D: ST. V: *Oliveira 1508* (BRLU).

**OLEA** L.

**capensis** L. subsp. **hochstetteri** (Baker) Friis & P.S.Green (*Ipé, Pó-ipé*)

*hochstetteri* Baker

H: shrub or tree with small white flowers, in forest. M: 22. D: ST. V: *Madureira & Martins 412* (COI).

**capensis** L. subsp. **welwitschii** (Knobl.) Friis & P.S.Green (*Impé, Ipé*)

*welwitschii* (Knobl.) Gilg & Schellenb.

H: shrub or tree with small white flowers, in forest. D: ST.

**\*europaea** L. (*Oliveira*)

N: recorded by Exell (1973) based on Silva (1958) without specimen citation.

## ONAGRACEAE

**LUDWIGIA** L.

**erecta** (L.) H.Hara (*Áliba-gúia, Fidá-gúia*)

H: annual herb with yellow flowers. M: 29; 46; 69; 88. D: ST. V: *Madureira & Martins 195* (COI).

**hyssofilolia** (G.Don) Exell (*Fia-placela*)

H: annual herb, in secondary forest, savanna and on roadsides. D: STP. V: *Paiva 1197* (COL).

**leptocarpa** (Nutt.) H.Hara

H: herb with yellow flowers. D: ST.

**octovalvis** (Jacq.) P.H.Raven subsp. **octovalvis**

H: annual or perennial herb with yellow flowers, in secondary forest and plantations. D: ST. V: *Matos 7261* (LISC).

## ORCHIDACEAE

(Stévant *et al.* 2000; Stévant & Oliveira 2001)

**AERANGIS** Rchb.f.<sup>E</sup>**flexuosa** (Ridl.) Schltr.

H: epiphytic herb with white flowers, in lowland dry forest. D: ST.

**ANCISTRORHYNCHUS** Finet**capitatus** (Lindl.) Summerh.

H: epiphytic herb with white flowers, in mid-elevation primary forest and old secondary forest. D: P. V: *Stévant 705* (BRLU).

**crystalensis** P.J.Cribb & Laan

H: epiphytic herb with white flowers, in mid-elevation primary rain-forest. D: P. V: *Stévant 1608* (BRLU).

**metteniae** (Kraenzl.) Summerh.

H: epiphytic herb with white flowers, lip green, in lowland forest and plantations. D: STP. V: *Stévant 638* (BRLU), *1212* (BRLU).

**ANGRAECOPSIS** Kraenzl.<sup>E</sup>**dolabriformis** (Rolfe) Schltr.

H: epiphytic herb, flower colour and habitat unknown. D: ST.

<sup>E</sup>**thomensis** Stévant & P.J.Cribb

H: epiphytic herb, flowers greenish white, in old secondary forest. D: ST. V: *Oliveira 1999/138* (BRLU, STPH).

**ANGRAECUM** Bory**aporoides** Summerh.

H: epiphytic herb with white flowers, in lowland and mid-elevation forest. D: STP. V: *Stévant 464* (BRLU), *667* (BRLU).

<sup>E</sup>**astroarche** Ridl.

H: epiphytic herb, flower colour unknown, in old secondary forest. D: ST.

**distichum** Lindl.

H: epiphytic herb, white flowers, habitat unknown. D: P.

**doratophyllum** Summerh.

H: epiphytic herb with white flowers, in mist forest. D: STP. N: endemic to Gulf of Guinea. V: *Stévant 329* (BRLU), *678* (BRLU).

**infundibulare** Lindl.

H: epiphytic herb with white flowers, habitat unknown. D: P.

**sacciferum** Lindl.

H: epiphytic herb with greenish white flowers, in mist forest. D: ST. V: *Stévant 104* (BRLU).

**BOLUSIELLA** Schltr.**iridifolia** (Rolfe) Schltr. subsp. **iridifolia**

H: epiphytic herb with white flowers, in plantations. D: ST. V: *Stévant 503* (BRLU).

**talbotii** (Rendle) Summerh.

H: epiphytic herb. D: STP. V: *Primo & Stévant 77* (BRLU); *Stévant 510* (BRLU).

**BRACHYCORYTHIS** Lindl.<sup>E</sup>**basifoliata** Summerh.

H: terrestrial herb with purple flowers, in open vegetation. D: STP. V: *Stévant 363* (BRLU), *436* (BRLU, K).

**BULBOPHYLLUM** Thouars**acutibracteatum** De Wild. var. **acutibracteatum**

H: epiphytic herb with yellow-orange flowers, in summit forest. D: P. V: *Stévant 420* (BRLU, K).

**calyptratum** Kraenzl.

H: epiphytic herb with greenish to yellowish flowers, habitat unknown. D: P.

**cochleatum** Lindl. var. **cochleatum**

H: epiphytic herb with yellow to purple flowers, in montane forest. D: ST. V: *Stévant 652* (BRLU).

**cochleatum** Lindl. var. **tenuicaule** (Lindl.) J.J.Verm.

H: epiphytic herb with red to purple flowers, in montane open vegetation. D: ST. V: *Stévant 417* (BRLU).

**comatum** Lindl. var. **inflatum** (Rolfe) J.J.Verm.

H: epiphytic herb with green inflorescence and purple flowers, in open vegetation on ridges. D: STP. V: *Stévant 462* (BRLU, K), *1203* (BRLU).

**curvimentatum** J.J.Verm.

H: pseudobulb epiphyte. D: ST.

**falcatum** (Lindl.) Rchb.f. var. **falcatum**

H: epiphytic herb with green to yellow flowers, in submontane forest. D: STP. V: *Rose 1023* (P); *Stévant 71* (BRLU, K).

**falcatum** (Lindl.) Rchb.f. var. **velutinum** (Lindl.) J.J.Verm.

H: epiphytic herb with green to yellow flowers, in lowland and submontane forest, also in coastal vegetation and plantations. D: STP. V: *Stévant 1211* (BRLU), *1221* (BRLU).

**imbricatum** Lindl.

H: epiphytic herb with violet and yellow flowers, in plantations. D: ST. V: *Stévant 489* (BRLU).

**intertextum** Lindl.

H: epiphytic herb with green or purple flowers, in submontane and montane forests. D: STP. V: *Stévant 681* (BRLU).

<sup>E</sup>**lizae** J.J.Verm.

H: epiphytic herb with green to yellow flowers, in submontane and montane forests. D: ST. V: *Stévant 1882* (BRLU).

<sup>E</sup>**luciphilum** Stévant

H: epiphytic herb with green to yellow flowers, in plantations. D: ST. V: *Oliveira 1999/41* (BRLU).

**maximum** (Lindl.) Rchb.f.

H: epiphytic herb with yellowish to greenish flowers, in lowland and submontane forests, also in plantations. D: STP. V: *Stévant 397* (BRLU), *497* (BRLU).

**mediocre** Summerh.

H: epiphytic herb with orange, yellow or whitish flowers, in submontane and montane forests. D: STP. N: endemic to Gulf of Guinea. V: *Stévant 622* (BRLU), *1890* (BRLU).

**nigritianum** Rendle

H: epiphytic herb with yellowish flowers, in plantations. D: ST. V: *Stévant 1158* (BRLU).

**oreonastes** Rchb.f.

H: epiphytic herb with orange to yellowish flowers, in ridge forests. D: STP. V: *Primo & Stévant 17* (BRLU); *Stévant 407* (BRLU).

**resupinatum** Ridl.

H: epiphytic herb with yellowish to purple flowers, in lowland and submontane forests. D: ST.

**saltatorium** Lindl. var. **albociliatum** (Finet) J.J.Verm.

H: epiphytic herb with greenish to brownish flowers with purple spots and red pubescence, in mid-elevation ridge vegetation. D: P. V: *Stévant 422* (BRLU, K).

**sandersonii** (Hook.f.) Rchb.f. subsp. **stenopetalum** (Kraenzl.) J.J.Verm.

H: epiphytic herb with yellowish to reddish flowers, in submontane and montane forests, also in plantations. D: ST. V: *Stévant 660* (BRLU).

**CALANTHE** R.Br.<sup>E</sup>**sylvatica** (Thouars) Lindl. var. **geerinckiana** Stévant

H: terrestrial herb with white flowers and orange lip, in old plantations. D: ST. V: *Stévant 1194* (BRLU).

**sylvatica** (Thouars) Lindl. var. **sylvatica**

H: terrestrial herb with white flowers and violet lip, in submontane and montane forests, and in secondary forest in old plantations. D: STP. V: *Stévant 338* (BRLU), *1195* (BRLU).

**CHAMAEANGIS** Schltr.<sup>E</sup>**thomensis** (Rolfe) Schltr.

H: epiphytic herb with yellowish to orange flowers, in montane forests. D: ST. V: *Stévant 659* (BRLU).

<sup>E</sup>**vagans** (Lindl.) Schltr.

H: epiphytic herb with yellowish to orange flowers, in lowland forests and on ridges. D: P. V: *Stévant 450* (BRLU, K).

**CHEIROSTYLIS** Blume**lepida** (Rchb.f.) Rolfe

H: terrestrial herb with whitish flowers, in submontane and montane forests. D: ST. V: *Stévant 381* (BRLU).

**CORYMBORKIS** Thouars**corymbis** Thouars

H: terrestrial herb with whitish and greenish flowers, in lowland forests, and in secondary forest in old plantations. D: STP. V: *Stévant 447* (BRLU), *665* (BRLU).

**CRIBBIA** Senghas**confusa** P.J.Cribb

H: epiphytic herb with orange flowers, in submontane and montane forests. D: ST. V: *Stévert 674* (BRLU).

**<sup>♀</sup>pendula** la Croix & P.J.Cribb

H: epiphytic herb with pale greenish flowers, in submontane forests, also in secondary forest at mid-elevations. D: ST. V: *Stévert 1168* (BRLU).

**<sup>♀</sup>thomensis** la Croix & P.J.Cribb

H: epiphytic herb with white flowers, in montane forests. D: ST. V: *Stévert 1228* (BRLU).

**CYNORKIS** Thouars**anacamptoides** Kraenzl. var. **ecalcarata** P.J.Cribb

H: terrestrial herb with violet flowers, in montane forests. D: ST. V: *Stévert 385* (BRLU).

**debilis** (Hook.f.) Summerh.

H: terrestrial herb with purple-spotted flowers, in montane forests. D: ST. V: *Stévert 42* (BRLU, K).

**gabonensis** Summerh.

H: terrestrial herb with pale whitish flowers, in lowland to montane forests, also on ridges. D: STP. V: *Stévert 444* (BRLU, K), *629* (BRLU).

**CYRTORCHIS** Schltr.**arcuata** (Lindl.) Schltr. subsp. **variabilis** Summerh.

H: epiphytic herb with white flowers and greenish to orange spur, in coastal vegetation, in lowland secondary forest and plantations. D: STP. V: *Stévert 405* (BRLU, K), *535* (BRLU).

**henriquesiana** (Ridl.) Schltr.

H: epiphytic herb with white to yellow flowers, in lowland secondary forest and on ridges. D: P. V: *Stévert 664* (BRLU).

**monteiroae** (Rchb.f.) Schltr.

H: epiphytic herb with white to yellow flowers, in lowland forest, secondary forest and plantations. D: STP. V: *Stévert 205* (BRLU, K), *448* (BRLU).

**ringens** (Rchb.f.) Summerh.

H: epiphytic herb with white flowers and pale rose spur, in secondary forest. D: ST.

**DIAPHANANTHE** Schltr.**<sup>♀</sup>acuta** (Ridl.) Schltr.

H: epiphytic herb with whitish to yellowish flowers, in lowland and mid-elevation forests. D: ST. V: *Stévert 691* (BRLU).

**<sup>♀</sup>papagayi** (Rchb.f.) Schltr.

H: epiphytic herb, unknown flower colour, on rocky places in shade. D: P.

**pellucida** (Lindl.) Schltr.

H: epiphytic herb with greenish to yellowish flowers, in lowland primary forest and old secondary forest. D: STP. V: *Primo & Stévert 126* (BRLU); *Stévert 1207* (BRLU).

**rohrii** (Rchb.f.) Summerh.

H: epiphytic herb with orange to yellowish flowers, in submontane and montane forest and old secondary forest at high elevation. D: ST. V: *Stévert 494* (BRLU, K).

**DINKLAGEELLA** Mansf.**<sup>♀</sup>scandens** Stévert & P.J.Cribb

H: terrestrial herb with white flowers, in swamp meadow. D: ST. V: *Stévert 1888* (BRLU).

**DISPERIS** Sw.**reichenbachiana** Rchb.f.

H: terrestrial herb with purple to whitish flowers in submontane and montane primary forest and mid-elevation secondary forest. D: ST. V: *Stévert 370* (BRLU).

**thomensis** Summerh.

H: terrestrial herb with white flowers in submontane and montane primary forest. D: ST. V: *Stévert 48* (BRLU).

**GENYORCHIS** Schltr.**apetala** (Lindl.) J.J.Verm.

H: epiphytic herb with whitish, reddish and yellowish flowers, in secondary forest and in plantations. D: P. V: *Stévert 1220* (BRLU).

**GRAPHORKIS** Thouars**lurida** (Sw.) Kuntze

H: epiphytic herb with brownish and yellowish flowers, in secondary forest and in plantations. D: STP. V: *Stévert 302* (BRLU), *437* (BRLU).

**HABENARIA** Willd.**barrina** Ridl.

H: terrestrial with whitish to greenish flowers, in secondary forest and plantations. D: STP. V: *Oliveira 1999/33* (BRLU); *Stévert 427* (BRLU).

**buettneriana** Kraenzl.

H: terrestrial with greenish flowers, in secondary forest and plantations. D: ST. V: *Stévert 483* (BRLU).

**<sup>♀</sup>letouzeyana** (Szlach. & Olsz.) P.J.Cribb & Stévert

H: terrestrial with whitish flowers, in old secondary forest and lowland primary forests. D: P. V: *Stévert 631* (BRLU).

**malacophylla** Rchb.f. var. **malacophylla**

H: terrestrial with whitish to greenish flowers, in submontane and montane primary forests. D: ST. V: *Stévert 1223* (BRLU).

**stenochila** Lindl.

H: terrestrial with white flowers, in lowland vegetation. D: P. V: *Stévert 640* (BRLU).

**thomana** Rchb.f.

H: terrestrial with whitish to greenish flowers, in primary lowland to montane forests. D: ST. V: *Stévert 414* (BRLU); *Paiva 1927* (COI).

**LIPARIS** Rich.**deistelii** Schltr.

H: epiphytic herb with greenish to purple flowers, in secondary and submontane forests. D: STP. V: *Stévert 654* (BRLU), *1226* (BRLU).

**epiphytica** Schltr.

H: epiphytic herb with greenish to whitish flowers, in montane forests. D: ST. V: *Stévert 537* (BRLU).

**goodyeroides** Schltr.

H: terrestrial or lithophytic herb with greenish flowers, in old lowland secondary forest. D: STP. V: *Matos 7656* (BRLU); *Stévert 625* (BRLU).

**gracilentia** Dandy

H: epiphytic herb with greenish and purple flowers, in submontane and montane forests. D: STP. V: *Stévert 672* (BRLU).

**nervosa** (Thunb.) Lindl.

H: terrestrial or epiphytic herb with greenish, yellowish, brownish or purple flowers, in lowland secondary forest and in submontane forests. D: STP. V: *Stévert 196* (BRLU, K), *442* (BRLU).

**platyglossa** Schltr.

H: terrestrial herb with greenish, yellowish and purple flowers, in old lowland secondary forest. D: P. V: *Stévert 530* (BRLU).

**rosseelii** Stévert

H: epiphytic herb with greenish flowers, in secondary submontane forests and in plantations. D: ST. V: *Stévert 1188* (BRLU).

**LISTROSTACHYS** Rchb.f.**pertusa** (Lindl.) Rchb.f.

H: epiphytic herb with white and green flowers, in secondary lowland mid-elevation forests. D: P. V: *Stévert 1216* (BRLU).

**MALAXIS** Sol. ex Sw.**maclaudii** (Finet) Summerh.

H: terrestrial herb with reddish and purple flowers, in submontane forests. D: ST.

**MANNIELLA** Rchb.f.**gustavi** Rchb.f.

H: terrestrial herb with brownish, pinkish or greenish flowers, in lowland secondary forest, and in submontane and montane forests. D: STP. V: *Stévert 443* (BRLU), *642* (BRLU).

**MICROCOELIA** Lindl.**bulbocalcarata** L.Jonss.

H: epiphytic herb with white and greenish flowers, in old mid-elevation secondary and primary forests. D: P. V: *Stévert 682* (BRLU).

**caespitosa** (Rolfé) Summerh.

H: epiphytic herb with white and greenish to brownish flowers, in submontane forests. D: ST. V: *Primo & Stévert 47* (BRLU).

**NERVILIA** Comm. ex Gaudich.**bicarinata** (Blume) Schltr.

H: terrestrial herb with yellowish to greenish flowers, in plantations. D: STP. V: *Stévert 686* (BRLU).

**OBERONIA** Lindl.**disticha** (Lam.) Schltr.

H: epiphytic herb with whitish to yellowish flowers, in plantations. D: ST. V: *Stévert 1155* (BRLU).

**OECEOCLADES** Lindl.**<sup>E</sup>latifolia** (Rolfe) Garay & P.Taylor

H: pseudobulb geophyte. D: ST.

**maculata** (Lindl.) Lindl.H: terrestrial herb with whitish, yellowish to greenish flowers with a red lip, in plantations and secondary forest. D: STP. V: *Oliveira 1999/04* (BRLU, STPH); *Stévant 636* (BRLU).**ugandae** (Rolfe) L.A.Garray & P.Taylor

H: terrestrial herb with white and purple flowers, habitat unknown. D: ST.

**ORESTIAS** Ridl.**micrantha** Summerh.H: terrestrial herb with white or pink flowers, in montane and submontane forest. D: STP. V: *Stévant 540* (BRLU), *642* (BRLU).**stolidostachya** (Rchb.f.) Summerh.*elegans* Ridl.H: terrestrial herb with white or pink flowers, in montane and submontane forest. D: STP. V: *Stévant 210* (BRLU, K), *217* (BRLU).**PHAIUS** Lour.**mannii** Rchb.f.H: terrestrial herb with whitish flowers with pink lip, in old plantations. D: ST. V: *Stévant 532* (BRLU).**PLATYLEPIS** A.Rich.**glandulosa** (Lindl.) Rchb.f.H: terrestrial herb with whitish flowers, in plantations, lowland and mid-elevation forests. D: STP. V: *Stévant 501* (BRLU).**PODANGIS** Schltr.**dactyloceras** (Rchb.f.) Schltr.H: epiphytic herb with white flowers, in plantations and submontane forests. D: ST. V: *Stévant 1197* (BRLU).**POLYSTACHYA** Hook.**albescens** Ridl. subsp. **albescens**H: epiphytic herb with white and pink flowers, widespread in forest and plantations. D: STP. V: *Stévant 1178* (BRLU), *655* (BRLU).**<sup>E</sup>albescens** Ridl. subsp. **principensis** StévantH: epiphytic or terrestrial herb with white and pink flowers, in open vegetation and on ridges. D: P. V: *Stévant 1227* (BRLU).**bifida** Lindl.*farinosa* Kraenzl.H: epiphytic herb with greenish to yellowish flowers, in montane and submontane forest. D: ST. V: *Stévant 1889* (BRLU).**<sup>E</sup>biteaui** P.J.Cribb, la Croix & StévantH: epiphytic herb with pink and white flowers, in plantations and submontane forest. D: ST. V: *Stévant 446* (BRLU).**<sup>E</sup>disticha** RolfeH: epiphytic herb with yellow flowers and red spots, in montane forest and open vegetation. D: ST. V: *Stévant 694* (BRLU).**<sup>E</sup>expansa** Ridl.H: epiphytic herb with white flowers with yellow to orange lip, in secondary forest and plantations. D: ST. V: *Stévant 349* (BRLU).**fusiformis** (Thouars) Lindl.H: epiphytic herb with yellow to greenish flowers, in secondary and submontane forest. D: STP. V: *Stévant 423* (BRLU, K), *1204* (BRLU).**golungensis** Rchb.f.H: epiphytic herb with yellow flowers, in secondary forest and plantations. D: ST. V: *Stévant 1605* (BRLU).**moniquetiana** Stévant & GeerinckH: epiphytic herb with whitish to brownish flowers, in old mid-elevation secondary forest and plantations. D: ST. V: *Stévant 684* (BRLU).**mukandaensis** De Wild.H: epiphytic herb with yellow, brownish to greenish flowers with red spots, in plantations. D: ST. V: *Stévant 1191* (BRLU).**paniculata** (Sw.) Rolfe: epiphytic herb with yellow to orange flowers, in plantations. D: ST. V: *Stévant 499* (BRLU).**<sup>E</sup>parviflora** Summerh.H: epiphytic herb with yellow to brownish flowers, in submontane and montane forest. D: STP. V: *Stévant 484* (BRLU).**pubeguinii** (Finet) RolfeH: epiphytic herb with pink flowers with lilac lip, in plantations or near the sea. D: P. V: *Stévant 1222* (BRLU).**polychaete** Kraenzl.H: epiphytic herb with yellow to greenish flowers with red spots, in plantations. D: ST. V: *Stévant 1156* (BRLU).**principia** Stévant & P.J.CribbH: epiphytic herb with yellow orange flowers in old secondary forest. D: P. V: *Stévant 648* (BRLU).**pyramidalis** Lindl.H: epiphytic herb with yellow flowers with red spots, in plantations, on ridges and in submontane forest. D: STP. V: *Stévant 451* (BRLU, K), *1225* (BRLU).**ridleyi** RolfeH: epiphytic herb with brown, reddish or greenish flowers, in plantations, and in submontane and montane forest. D: ST. N: endemic to Gulf of Guinea. V: *Stévant 1175* (BRLU).**<sup>E</sup>setifera** Lindl.H: epiphytic herb with yellow flowers with red spots, in ridge vegetation. D: P. V: *Stévant 1215* (BRLU).**tessellata** Lindl.H: epiphytic herb with greenish, yellowish, violet or purple flowers, widespread in lowland and mid-elevation forest. D: STP. V: *Stévant 454* (BRLU), *639* (BRLU).**<sup>E</sup>thomensis** Summerh.H: epiphytic herb with yellow to purple flowers and white lip, in open vegetation near summit. D: ST. V: *Primo & Stévant 37* (BRLU).**RANGAERIS** (Schltr.) Summerh.**trilobata** Summerh.H: epiphytic herb with brown to white flowers, in lowland and mid-elevation forests. D: ST. V: *Stévant 703* (BRLU).**RHIPIDOGLOSSUM** Schltr.**<sup>E</sup>brevifolium** Summerh.,*Diaphanthe brevifolia* (Summerh.) Summerh.H: facultative epiphytic herb with translucent whitish flowers, in open vegetation on ridges in montane forest and in crater of Lagoa Amélia. D: ST. V: *Stévant 295* (BRLU).**curvatum** (Rolfe) Garay*Diaphanthe curvata* (Rolfe) Summerh.H: epiphytic herb with greenish to yellowish flowers, in old secondary lowland forest. D: P. V: *Primo & Stévant 49* (BRLU).**rutilum** (Rchb.f.) Schltr.*Diaphanthe rutila* (Rchb.f.) Summerh.H: epiphytic herb with whitish, greenish, brownish or violet flowers, in submontane primary forest and in plantations. D: ST. V: *Stévant 1606* (BRLU).**SOLENANGIS** Schltr.**clavata** (Rolfe) Schltr.H: epiphytic herb with white flowers, in meadow of Lagoa Amélia. D: ST. V: *Stévant 1231* (BRLU).**scandens** (Schltr.) Schltr.

H: epiphytic herb with whitish, yellowish to greenish flowers, in plantations. D: ST.

**STOLZIA** Schltr.**elaidum** (Lindl.) Summerh.H: epiphytic herb with whitish to greenish flowers, in plantations and on ridges. D: STP. V: *Stévant 458, 521* (BRLU).**<sup>E</sup>peperomioides** (Kraenzl.) Summerh. subsp. **thomensis** (Stévant & P.J.Cribb) Stévant, Droissart & Simo*thomensis* Stévant & P.J.CribbH: epiphytic herb with green translucent flowers in evergreen mist forest. D: ST. V: *Stévant 1891* (BRLU).**TRIDACTYLE** Schltr.**armeniaca** (Lindl.) Schltr.

H: epiphytic herb with white to orange flowers; habitat unknown. D: ST.

**<sup>E</sup>aurantiopunctata** P.J.Cribb & StévantH: epiphytic herb with white and orange flowers, in ridge forests. D: P. V: *Stévant 1224* (BRLU).**<sup>E</sup>exellii** P.J.Cribb & StévantH: epiphytic herb with whitish and greenish flowers, in submontane and montane forests. D: ST. V: *Stévant 708* (BRLU).**latifolia** Summerh.H: epiphytic herb with yellow flowers, in *Pandanus* forest on ridges. D: P. V: *Stévant 478* (BRLU).**<sup>E</sup>thomensis** P.J.Cribb & StévantH: epiphytic herb with white flowers, in plantations and submontane forests. D: ST. V: *Stévant 488* (BRLU, K).**tridactylites** (Rolfe) Schltr.H: epiphytic herb with whitish to orange flowers, widespread in forest and plantations. D: STP. V: *Stévant 1229* (BRLU), *1230* (BRLU).

**VANILLA** Plum. ex Mill.**crenulata** Rolfe

H: terrestrial herb with white, yellowish to orange flowers with pink lip, in lowland forest and ridges. D: P. V: *Stévert* 647 (BRLU).

**grandifolia** Lindl.

H: terrestrial herb with yellowish flowers, on ridges. D: P. V: *Stévert* 328 (BRLU).

**\*planifolia** Andr.

H: terrestrial herb with yellowish flowers, cultivated or in old plantations D: STP. V: *Stévert* 270 (BRLU).

**ZEUXINE** Lindl.**elongata** Rolfe

H: terrestrial herb with white to greenish flowers, in secondary forest. D: STP. V: *Stévert* 135 (BRLU, K), 334 (BRLU).

**heterosepala** (Rchb.f.) Geerinck

*Hetaeria heterosepala* (Rchb.f.) Summerh.

H: terrestrial herb with white and pink flowers, in submontane and mid-elevation forests. D: STP. V: *Stévert* 428 (BRLU, K).

**stammeri** Schltr.

H: terrestrial herb with pink, white to greenish flowers, in lowland forests. D: P. V: *Stévert* 633 (BRLU).

## OXALIDACEAE

**OXALIS** L.**corniculata** L.

H: annual or perennial herb with yellow flowers. D: STP. V: *Paiva* 567 (COI), 974 (COI).

**\*corymbosa** DC. (*Fiá-viola*, *Lamera*, *Madringueiro*)

H: perennial herb with pink or purple flowers, in secondary forest, plantations, and on roadsides. M: 33; 79. D: STP. V: *Paiva* 1386 (COI), 1945 (COI).

## PANDANACEAE

**PANDANUS** Parkinson**candelabrum** P.Beauv.

H: tree. D: P.

**<sup>f</sup>thomensis** Henriq. (*Páia-séla*, *Pau-esteira*, *Pó-paia-cela*)

H: tree ± 15 m high. D: ST. V: *Paiva* 1162 (COI).

## PAPAVERACEAE

**\*ARGEMONE** L.**\*mexicana** L. (*Cundú-de-muala-vé*)

H: annual herb with yellow flowers. N: common name indicated by Santo (1969) is same as for *Acanthus montanus*. D: ST.

## PASSIFLORACEAE

**ADENIA** Forssk.**cissampeloides** (Planch. ex Hook.) Harms (*Fissandja*)

H: climber. M: 79; 95; 140; 183. D: ST. V: *Madureira & Martins* 486 (COI).

**lobata** (Jacq.) Engl.

H: climber with greenish yellow flowers. D: STP. V: *Lejoly* 97/230B (BRLU, LISC).

**\*PASSIFLORA** L.**\*edulis** Sims (*Macujá*, *Malacujá*, *Maracujá*, *Maracujá-pequeno*, *Maracujá-roxo*)

H: climber. E: fruits. M: 136. D: ST. V: *Paiva* 188 (COI).

**\*foetida** L. (*Macujá-de-mato*, *Malacujá-blavo*, *Maracujá-do-mato*, *Martiros-jétidos*)

H: climber. E: fruits. M: 79; 98; 114; 136; 179. D: STP. V: *Paiva* 816 (COI).

**\*quadrangularis** L. (*Grenadilha*, *Macujá*, *Malacujá*, *Maracujá*, *Maracujá-grande*)

H: climber. E: fruits. M: 42; 98. D: STP. V: *Paiva* 968 (COI).

## PHYTOLACCACEAE

**\*PETIVERIA** L.**\*alliacea** L.

H: perennial herb. D: ST. V: *Oliveira* 883 (BRLU).

**PHYTOLACCA** L.**dodecandra** L'Hér. (*Fiá-mati*, *Matri*)

*dodecandra* L'Hér. var. *apiculata* (Engl.) Baker & C.H.Wright

H: climbing shrub, in secondary forest and on roadsides. M: 139. D: ST. V: *Paiva* 1066 (COI).

## PIPERACEAE

**PEPEROMIA** Ruiz & Pav.**fernandopoiana** C.DC.

H: herb, creeping or trailing, mostly epiphytic, in forest. D: P. V: *Jofroy* 197 (BRLU).

**molleri** C.DC.

H: epiphytic herb, in forest. D: STP. V: *Paiva* 1399 (COI).

**pellucida** (L.) Kunth (*Alfabaca*, *Alfavaca*, *Fia-alfobaca*)

H: erect or procumbent, annual herb, in forest. M: 57; 61; 79; 98; 114; 123; 149. D: STP. V: *Paiva* 1406 (COI), 1890 (COI).

**retusa** (L.f.) A.Dietr. var. **retusa**

*retusa* (L.f.) A.Dietr. var. *mannii* (Hook.f.) Düll

H: perennial, creeping or epiphytic herb, in forest. D: ST. V: *Matos* 7565 (LISC).

**tetraphylla** (G.Forst.) Hook. & Arn.

*reflexa* (L.f.) A.Dietr.

H: perennial, usually epiphytic herb, in forest. D: ST. V: *Matos* 7555 (LISC).

**thomeana** C.DC.

*vaccinifolia* C.DC.

H: creeping herb. D: ST.

**vulcanica** Baker & C.H.Wright

*hygrophila* Engl.

H: creeping herb. D: ST. V: *Lejoly* 94/528 (BRLU, LISC).

**PIPER** L.**capense** L.f. (*Fia-boba-piquina*)

H: shrub or undershrub, sometimes liana, in forest, secondary forest and plantations. M: 43; 53; 80; 104; 154; 166. D: STP. V: *Figueiredo* 59 (K); *Paiva* 523 (COI).

**guineense** Schumach. & Thonn. (*Pau-pimenta*, *Pimenta-de-S.Tomé*, *Pó-pimenta*)

H: liana, in forest. E: fruits (spice). M: 51; 63; 108; 115. D: STP. V: *Madureira & Martins* 463 (COI).

**\*nigrum** L. (*Pimenta*, *Pimenteira*)

H: climber. E: fruits (spice). M: 63; 152; 164. D: ST. V: *Paiva* 654 (COI).

**umbellatum** L. (*Fia-bôba*, *Fiá-bôba-d'obô*, *Fia-bobó*, *Folha-bôba*, *Folha-bôba-branca*)

*Pothomorphe umbellata* (L.) Miq.

H: shrub or woody herb, in forest, secondary forest and on roadsides. M: 16; 51; 150; 159; 166; 167. D: STP. V: *Figueiredo* 40 (K); *Paiva* 1421 (COI).

## \*PLANTAGINACEAE

**\*PLANTAGO** L.**\*major** L.

H: herb. D: ST.

## PLUMBAGINACEAE

**PLUMBAGO** L.**\*auriculata** Lam.

H: shrub with blue flowers. O. D: ST.

**zeylanica** L.

H: herb with white flowers, in secondary forest. M: 145; 183. D: ST. V: *Madureira & Martins* 498 (COI).

## POACEAE

**ACROCERAS** Stapf**zizanoides** (Kunth) Dandy

H: perennial grass, over 1 m high. D: ST.

**?AGROSTIS** L.**?tropica** P.Beauv.

N: recorded by Exell (1944, 1973) based on literature citations; no specimens known.

**ANTHEPHORA** Schreb.

**crinata** (Döll) Hack. ex De Wild. & T.Durand  
H: annual grass, up to 1 m high. D: ST.

**AXONOPUS** P.Beauv.

\***compressus** (Sw.) P.Beauv.

H: perennial grass up to 0.6 m high. D: ST.

**flexuosus** (Peter) C.E.Hubb. ex Troupin

H: perennial grass, up to 1 m high. D: P.

**\*BAMBUSA** Schreb.

\***vulgaris** Schrad. ex J.C.Wendl. (*Bambu*)

H: bamboo up to 25 m high. M: 22. D: STP. V: *Paiva 65* (COI).

**\*BRIZA** L.

\***maxima** L.

H: annual grass, up to 1 m high. D: ST.

**CENTOTHECA** Desv.

**lappacea** (L.) Desv.

H: annual grass up to 0.6 m high, in secondary forest, plantations and on roadsides. D: STP. V: *Matos 7594* (LISC).

**CHLORIS** Sw.

**pilosa** Schumacher

H: annual grass up to 1 m high. D: STP.

**pynothrix** Trin.

H: annual grass up to 0.5 m high. D: STP. V: *Lejoly 95/064* (LISC).

**\*COIX** L.

\***lacryma-jobi** L. (*Capim-de-Nossa-Senhora*)

H: annual grass up to 1.3 m high. D: ST.

**\*CYMBOPOGON** Spreng.

\***citratu**s (DC.) Stapf (*Belgata, Capim-cheiroso, Capim-do-Gabão, Chá-do-Gabão, Chá-do-Príncipe, Fiá-chalela, Folha-Gabão*)

H: perennial grass to 2 m high. M: 22; 52; 76; 107; 150. D: STP. V: *Madureira & Martins 335* (COI).

**CYNODON** Rich.

**dactylon** (L.) Pers.

H: perennial grass up to 0.4 m high. D: ST. V: *Paiva 278* (COI).

**DACTYLOCTENIUM** Willd.

**aegyptium** (L.) Willd.

H: annual grass up to 0.6 m high. D: ST. V: *Paiva 395* (COI).

**DIGITARIA** Haller

**horizontalis** Willd.

H: annual grass up to 0.6 m high. D: STP.

**longiflora** (Retz.) Pers.

H: annual grass up to 0.3 m high. D: ST. V: *Paiva 402* (COI).

**ECHINOCHLOA** P.Beauv.

**colona** (L.) Link

H: annual grass up to 1.2 m high. D: ST.

**ELEUSINE** Gaertn.

**indica** (L.) Gaertn. (*Áliba-caçu, Queblancaná*)

H: annual grass up to 0.6 m high. M: 61; 79; 104; 135; 175. D: STP. V: *Madureira & Martins 303* (COI).

**ERAGROSTIS** Wolf

**amabilis** (L.) Wight & Arn. var. **amabilis**

**tenella** (L.) P.Beauv. ex Roem. & Schult.

H: annual grass up to 0.5 m high. D: STP. V: *Lejoly 97/289* (LISC).

**domingensis** (Pers.) Steud. (*Fiá-vador, Folha-de-voador*)

H: annual grass up to 1.2 m high, in coastal areas. D: ST. V: *Paiva 810* (COI).

**superba** Peyr.

H: perennial grass up to 1.2 m high, ruderal. D: ST. V: *Paiva 646* (COI).

**ERIOCHLOA** Kunth

**fatmensis** (Hochst. & Steud.) Clayton

**nubica** (Steud.) Hack. & Stapf ex Thell.

H: annual grass up to 0.7 m high. D: ST.

**HETEROPOGON** Pers.

**contortus** (L.) P.Beauv. ex Roem. & Schult.

H: perennial grass up to 1 m high. D: STP. V: *Lejoly 93/656* (BRLU).

?\***HORDEUM** L.

\***vulgare** L.

N: recorded by Silva (1958) but no specimens are known.

**HYPARRHENIA** Andersson ex E.Fourn.

**diplandra** (Hack.) Stapf

H: perennial grass up to 3 m high. D: ST.

**rufa** (Nees) Stapf

*rufa* var. *major* (Rendle) Stapf

H: perennial grass up to 2.5 m high. D: ST. V: *Matos 7315* (LISC).

**ISACHNE** R.Br.

**buettneri** Hack.

H: perennial grass up to 0.5 m high. D: STP. V: *Paiva 1182* (COI).

**mauritanica** Kunth

H: perennial grass up to 0.6 m high. D: ST.

**LEPTASPIS** R.Br.

**zeylanica** Nees ex Steud.

*cochleata* Thwaites

H: rhizomatous grass up to 1 m high. D: STP. V: *Matos 7364* (LISC).

**MEGASTACHYA** P.Beauv.

**mucronata** (Poir.) P.Beauv.

H: annual or perennial herb up to 0.9 m high. V: *Matos 7767* (LISC).

**MELINIS** P.Beauv.

**minutiflora** P.Beauv.

H: perennial grass up to 1.5 m high. D: ST.

**repens** (Willd.) Zizka

*Rhynchelytrum repens* (Willd.) C.E.Hubb.

H: annual or perennial grass up to 1.5 m high. D: P.

**\*OLYRA** L.

\***latifolia** L. (*Fiá-piála, Impialá*)

H: perennial grass up to 4 m high. M: 180; 183. D: STP. V: *Madureira & Martins 276* (COI).

**OPLISMENUS** P.Beauv.

**burmannii** (Retz.) P.Beauv.

H: annual grass up to 0.6 m high, in forest and on roadsides. D: ST. V: *Paiva 1309* (COI).

**hirtellus** (L.) P.Beauv. (*Erva-colchão*)

H: perennial grass up to 1 m high, in forest. D: STP. V: *Paiva 585* (COI), *1137* (COI).

?\***ORYZA** L.

\***sativa** L. (*Arroz*)

N: recorded by Silva (1958), but no specimens are known.

**PANICUM** L.

**brevifolium** L.

H: annual grass up to 0.6 m high. D: STP. V: *Paiva 1184* (COI).

**hochstetteri** Steud. (*Erva-de-senhora*)

H: perennial grass up to 1 m high, in forest. D: ST. V: *Paiva 1095* (COI).

**maximum** Jacq. (*Capim-gigante*)

H: perennial grass up to 3 m high, on roadsides. D: STP. V: *Paiva 964* (COI).

**PASPALUM** L.

**conjugatum** P.J.Bergius (*Gutchim-duátche, Muala-sendê-môm-sendê-ôpê*)

H: perennial grass up to 0.6 m high, in forest. M: 27; 52; 150. D: STP. V: *Paiva 1383* (COI).

**paniculatum** L. (*Albarção, Aliba-cáçu, Aliba-queblancana, Comida-de-cachequeque, Erva-cacho, Mansuensuen, Muambe*)

H: perennial grass up to 1.2 m high. D: STP. V: *Paiva 966* (COI).

**scrobiculatum** L.

*orbiculare* G.Forst.

H: perennial grass up to 0.6 m high, in forest. D: ST. V: *Lejoly 93/642* (BRLU).

**vaginatum** Sw.

H: perennial grass up to 0.6 m high. D: ST.

**PENNISETUM** Rich.

**laxior** (Clayton) Clayton

*Beckeropsis laxior* Clayton

H: annual grass up to 0.8 m high. D: ST.

**PENNISETUM** Rich. (cont.)**polystachion** (L.) Schult.

H: annual or perennial grass up to 2 m high. D: STP. V: *Paiva 514* (COI).

**purpureum** Schumach.

H: perennial grass up to 8 m high. D: ST. V: *Paiva 737* (COI).

**POA** L.**annua** L.

H: annual grass up to 0.3 m high. D: STP.

**PSEUDECHINOLAENA** Stapf**polystachya** (Kunth) Stapf

H: annual grass up to 0.3 m high. D: ST.

**ROTTBOELLIA** L.f.**cochinchinensis** (Lour.) Clayton**exaltata** (L.) L.f.

H: annual grass up to 2.5 m high. D: ST.

**\*SACCHARUM** L.**\*officinarum** L. (*Cana-de-açúcar; Cana-sucli, Cánam*)

H: perennial grass up to 4 m high. D: STP. V: *Paiva 1038* (COI).

**SACCIOLEPIS** Nash**africana** C.E.Hubb. & Snowden

H: rhizomatous perennial grass up to 1.8 m high. D: ST.

**?\*SECALE** L.**?\*cereale** L.

N: recorded by Silva (1958), but no specimens are known.

**SETARIA** P.Beauv.**barbata** (Lam.) Kunth

H: annual grass up to 1.5 m high. D: STP.

**longiseta** P.Beauv.

H: perennial grass up to 0.9 m high. D: STP.

**megaphylla** (Steud.) T.Durand & Schinz (*Erva-boi, Ogá-ogá, Uága-uága, Ugá-ugá*)**chevalieri** Stapf

H: perennial grass up to 3 m high. M: 29; 31; 62; 64; 129. D: STP. V: *Paiva 544* (COI), *1318* (COI).

**SORGHUM** Moench**arundinaceum** (Desv.) Stapf (*Mansuensué, Sorgo*)

H: annual or perennial up to 4 m high. D: ST. V: *Paiva 121* (COI).

**\* × drummondii** (Steud.) Millsp. & Chase

H: annual grass. D: P.

**SPOROBOLUS** R.Br.**molleri** Hack.

H: annual grass up to 0.3 m high. D: STP.

**pyramidalis** P.Beauv.

H: perennial grass up to 1.6 m high. D: STP. V: *Paiva 170* (COI).

**tenuissimus** (Mart. ex Schrank) Kuntze

H: annual grass up to 0.9 m high. D: ST.

**virginicus** (L.) Kunth

H: perennial grass up to 0.6 m high. D: STP.

**STENOTAPHRUM** Trin.**secundatum** (Walter) Kuntze

H: perennial grass, in coastal areas. D: STP. V: *Oliveira 66/99* (BRLU).

**?\*TRITICUM** L.**?\*aestivum** L.

N: recorded by Silva (1958); no specimens known.

**\*ZEA** L.**\*mays** L. (*Mi, Milho*)

H: annual grass up to 4 m high. E: fruit. M: 10; 64; 183. D: STP.

**\*ZOYSIA** Willd.**\*matrella** (L.) Merr.

H: perennial grass. D: ST. V: *Lejoly 98/270* (BRLU).

## POLYGONACEAE

**\*ANTIGONON** Endl.**\*leptopus** Hook. & Arn. (*Brinco-de-casamento, Rosa-de-casamento*)

H: climber with pink flowers. D: ST. V: *Paiva 1521* (COI).

**PERSICARIA** (L.) Mill.**decipiens** (R.Br.) K.L.Wilson

*Polygonum salicifolium* Brouss. ex Willd.

H: annual herb. D: ST. V: *Matos 7500* (LISC).

**senegalensis** (Meisn.) Soják

*Polygonum senegalense* Meisn.

H: perennial succulent herb, near water. D: ST.

**RUMEX** L.**abyssinicus** Jacq.

H: perennial herb. D: ST. V: *Matos 7366* (LISC).

**crispus** L.

H: herb, ruderal. D: ST. V: *Lejoly 97/236* (BRLU, LISC).

## PORTULACACEAE

**PORTULACA** L.**oleracea** L. (*Beldroega, Bodlega, Bodlega-piquina, Fia-bodléga, Fia-bondlega*)

H: annual succulent herb, ruderal. E: leaves. M: 51; 135; 179. D: ST. V: *Paiva 563* (COI), *1283* (COI).

**quadrifida** L.

N: recorded by Exell (1973) based on Silva (1958) without specimen citation.

**\*TALINUM** Adans.**\*triangulare** (Jacq.) Willd. (*Bodlega-grande, Budelega*)

H: perennial succulent herb with purple flowers. E: leaves. M: 185. D: ST. V: *Paiva 652* (COI).

## \*PROTEACEAE

**\*GREVILLEA** R.Br. ex Knight**\*robusta** A.Cunn. ex R.Br. (*Grevilia*)

H: tree with orange flowers. O. D: ST. V: *Oliveira 85* (BRLU).

## \*PUNICACEAE

**\*PUNICA** Smook**\*granatum** L. (fruit: *Romã*; tree: *Romanzeira, Romeira*)

H: shrub or tree in plantations. E: fruits. M: 61; 136. D: ST. V: *Madureira & Martins 659* (COI).

## RANUNCULACEAE

**CLEMATIS** L.**hirsuta** Guill. & Perr. (*Matucana*)

H: climber with white flowers. D: ST. V: *Paiva 1057* (COI).

## RHAMNACEAE

**LASIODISCUS** Hook.f.**mannii** Hook.f.

H: shrub or tree up to 10 m high, in forest. D: P.

**mildbraedii** Engl.

H: shrub or tree up to 10(–24) m high, in lowland forest. D: ST. V: *Figueiredo 81* (K).

**†rozeirae** Exell

H: habit unknown. D: ST.

**MAESOPSIS** Engl.**eminii** Engl. (*Pau-chuva, Pó-suba*)

H: tree, in forest. D: ST.

**VENTILAGO** Gaertn.**diffusa** (G.Don) Exell

H: liana, in forest. D: ST.

**ZIZIPHUS** Mill.**abyssinica** A.Rich. (*Chimblom, Macã-da-Índia, Simblom, Zimbrão*)

H: shrub or tree, spiny, in savanna. E: fruits. D: ST. V: *Paiva 1522* (COI).

**\*mauritiana** Lam. (*Chimblom, Maçã-do-Japão, Zimbrão*)

H: tree, in savanna. E: fruits. D: ST. V: *Matos 7323* (LISC).

## RHIZOPHORACEAE

## CASSIPOUREA Aubl.

<sup>E</sup>*glomerata* Alston

H: shrub. D: ST.

<sup>E</sup>*gummiflua* Tul. var. *mannii* (Hook.f. ex Oliv.) J.Lewis

H: tree. D: ST.

## RHIZOPHORA L.

*harrisonii* Leechm. (*Mangue-da-praia*, *Mangue-muala*, *Mangue-rosso*, *Mangue-roxo*, *Mangue-vermelho*)H: shrub, in mangroves. M: 60; 150. D: STP. V: *Paiva 251* (COI).*mangle* L.H: shrub, in mangroves. D: ST. V: *Oliveira 920* (BRLU).*racemosa* G.Mey. (*Mangue-da-praia*, *Mangue-vermelho*)H: shrub or tree, in mangroves. D: ST. V: *Matos 7268* (LISC).

## ROSACEAE

Note: several cultivated species have been recorded, but it is unlikely that they occur as escapes: *Cydonia oblonga* Mill., *Cerasus vulgaris* Mill. (= *Prunus cerasus* L.), *Prunus domestica* L., *P. persica* (L.) Batsch, *Amygdalus communis* L. (= *Prunus dulcis* (Mill.) D.A. Webb).

## ALCHEMILLA L.

*cryptantha* Steud. ex A.Rich.H: perennial creeping herb. D: ST. V: *Matos 7368* (LISC).\**ERIOBOTRYA* Lindl.\**japonica* (Thunb.) Lindl. (fruit: *Nespla*; tree: *Nespereira*)H: tree cultivated for fruit and escaped. M: 99. D: ST. V: *Martins & Martins 668* (COI).\**MALUS* Mill.\**pumila* Mill.

H: tree cultivated for fruit and escaped. D: ST.

## PRUNUS L.

*africana* (Hook.f.) Kalkman*Pygeum africanum* Hook.f.H: tree, in forest. D: ST. V: *Oliveira 43* (BRLU).\**ROSA* L.\**chinensis* Jacq.

H: scandent shrub. O. D: STP.

\**laevigata* Michx.

H: shrub. O. D: ST.

\**multiflora* Thunb.

H: shrub. O. D: ST. N: recorded at summit of Pico.

## RUBUS L.

*pinnatus* Willd. (plant: *Ido-ido*, *Silva*; fruit: *Molango*, *Molango-d'obô*, *Morango-silvestre*)*pinnatus* Willd. var. *afrotropicus* (Engl.) GustafssonH: scandent shrub with white flowers. E: fruits. M: 173. D: ST. V: *Paiva 1393* (COI).\**rosifolius* Sm. (fruit: *Framboesa*, *Morango*, *Morango-silvestre*, *Tramboesa*)H: scandent shrub with white flowers. E: fruits. D: STP. V: *Paiva 1506* (COI).

## RUBIACEAE

(Alves *et al.* 2005; Figueiredo 2005)

## AIDIA Lour.

<sup>E</sup>*quintasii* (K.Schum.) G.Taylor (*Muindo*, *Muindro*)H: tree, in forest. M: 13; 22; 56; 57; 71; 134; 158; 177. D: ST. V: *Martins & Martins 523* (COI).<sup>E</sup>*wattii* G.Taylor (*Inhé-muela*)

H: tree, in forest. D: ST.

## AORANTHE Somers

*cladantha* (K.Schum.) Somers

H: tree, in forest. D: ST.

## AULACOCALYX Hook.f.

<sup>E</sup>*pallens* (Hiern) Bridson & Figueiredo subsp. *pallens* (*Teia-teia-pequeno*)H: shrub or tree, in forest. D: ST. V: *Joffroy 112* (LISC).

## BELONOPHORA Hook.f.

<sup>E</sup>*coffeoides* Hook.f. subsp. *coffeoides*

H: tree. D: ST.

## BERTIERA Aubl.

<sup>E</sup>*pedicellata* (Hiern) WernhamH: shrub, in forest. D: ST. V: *Matos 7344* (BRLU, LISC).*racemosa* (G.Don) K.Schum. var. *elephantina* N.Hallé (*Café-d'obô*)H: tree or shrub, in forest. M: 94; 124; 165. D: STP. V: *Figueiredo 65* (K, LISC); *Paiva 1887, 1914* (COI).*racemosa* (G.Don) K.Schum. var. *racemosa* (*Viro-branco*)H: tree or shrub, in forest. D: STP. V: *Matos 7274* (LISC), 7763 (LISC).

## CHASSALIA Poir.

<sup>E</sup>*doniana* (Benth.) G.TaylorH: shrub, in forest. D: ST. V: *Paiva 912* (COI).<sup>E</sup>*euchlora* (K.Schum.) FigueiredoH: epiphyte, in forest. D: ST. V: *Oliveira s.n.* (LISC).<sup>E</sup>*hiernii* (Kuntze) G.Taylor var. *glandulosa* G.Taylor

H: shrub, in forest. D: P.

<sup>E</sup>*hiernii* (Kuntze) G.Taylor var. *hiernii*H: shrub, in forest. D: P. V: *Paiva 592* (COI).\**CINCHONA* L. (*Pau-quina*, *Pó-quina*, *Quina*, *Quineira*)

Note: several species have been recorded as introduced.

\**carabayensis* Wedd.*hasskarliana* Miq.H: shrub, in secondary forest. M: 22; 103; 123; 126; 173. D: STP. V: *Madureira & Martins 132* (COI).\**ledgeriana* (Howard) Bern. Moens ex TrimenH: shrub, in secondary forest. D: ST. V: *Matos 7377* (BRLU, LISC).\**pubescens* Vahl*succirubra* Pav.H: shrub, in secondary forest. M: 22; 103; 123; 126; 173. D: STP. V: *Madureira & Martins 25* (COI).\**COFFEA* L. (*Café*, *Cafeiro*, *Cafézeiro*)Note: also recorded as cultivated: *C. canephora* Pierre ex A.Froehner (*Café-robusta*), *C. racemosa* Lour. (*Café-de-Inhambane*, *Café-Inhambane*)\**arabica* L. (*Café-arábia*, *Café-arábica*)H: shrub or tree, in secondary forest. M: 27; 52; 55; 61; 64; 79; 81; 102; 150; 164; 173. D: STP. V: *Paiva 901* (COI).\**iberica* W.Bull ex Hiern (*Café-da-Libéria*, *Café-excelsa*, *Café-excelsior*, *Café-Libéria*)H: shrub or tree, in secondary forest. D: STP. V: *Paiva 560* (COI).\**stenophylla* G.Don

H: shrub or tree, in secondary forest. D: ST.

## CORYNANTHE Welw.

\**paniculata* Welw. (*Angue-d'obô*)H: tree, in secondary forest. M: 56; 124. D: ST. V: *Madureira & Martins 663* (COI).

## CRATERISPERMUM Benth.

*montanum* Hiern (*Macamblalá*, *Macambrará*)H: tree, in forest. M: 22; 50; 99; 102; 109; 126; 134; 144. D: STP. V: *Madureira & Martins 408* (COI).

## DIODIA L.

*serrulata* (P.Beauv.) G.TaylorH: herb, on roadsides and in villages, palm plantations, littoral. D: STP. V: *Matos 7731* (LISC).

## ECPOMA K.Schum.

<sup>E</sup>*cauliflora* (Hiern) N.HalléH: shrub, in forest. D: STP. V: *Joffroy 207* (BRLU, LISC); *Stévert 68* (BRLU, LISC).*gigantistipula* (K.Schum.) N.HalléH: shrub, in forest. D: P. V: *Oliveira 165/98* (LISC).

## GAERTNERA Lam.

*paniculata* Benth.H: shrub or tree, in forest. D: P. V: *Oliveira 157/98* (LISC).

## GEOPHILA D.Don

*afzelii* HiernH: herb, in forest, on roadsides. D: P. V: *Paiva 551* (COI).

**GEOPHILA** D.Don (cont.)**repens** (L.) I.M.Johnst. (*Olhá-dátô*)

H: herb, in forest, on roadsides. M: 30; 48. D: STP. V: *Matos 7751* (LISC); *Paiva 1364* (COI).

**HEINSIA** DC.**crinita** (Afzel.) G.Taylor

H: shrub or tree. D: P.

**HYMENOCOLEUS** Robbr.**neurodictyon** (K.Schum.) Robbr.

H: herb, in forest. D: P.

**HYMENODICTYON** Wall.**biafranum** Hiern

H: shrub or tree, in forest, lava flows, crater swamp, on stream banks. D: STP. V: *Matos 7508* (LISC); *Stévert 256* (LISC).

**\*IXORA** L.**\*coccinea** L.

H: shrub with red flowers. O. D: ST.

**LASIANTHUS** Jack**†africanus** Hiern

H: shrub, in forest. D: STP. V: *Joffroy 196* (BRLU, LISC); *Matos 7532* (LISC).

**MORINDA** L.**lucida** Benth. (*Glicô, Gligô, Grigô, Guico, Guigo, Moindo*)

H: tree or shrub, in forest and plantations. M: 33; 51; 52; 56; 57; 112; 126; 151; 163. D: STP. V: *Paiva 1199* (COI), *1882* (COI).

**MUSSAENDA** L.**†tenuiflora** Benth. var. **principensis** G.Taylor

H: woody climber, in forest. D: P.

**†tenuiflora** Benth. var. **thomensis** G.Taylor

H: woody climber or liana, in forest. D: ST. V: *Figueiredo 43* (LISC).

**OLDENLANDIA** L.**corymbosa** L.

H: herb, on roadsides, in plantations. D: STP.

**herbacea** (L.) Roxb.

H: herb, ruderal. D: ST. V: *Oliveira 505* (LISC).

**lancifolia** (Schumach.) DC.

H: herb, in wet areas in forest, on roadsides, in plantations. D: ST. V: *Matos 7733* (LISC); *Paiva 1353* (COI).

**OTOMERIA** Benth.**cameronica** (Bremek.) Hepper

H: herb, in forest. D: P.

**OXYANTHUS** DC.**speciosus** DC. (*Borracha-do-mato, Café-d'ôbo, Café-do-mato, Clicô-tô-d'obô, Clocoto-d'obô, Gligô-d'ôbô, Mule-mule, Nonô, Pau-louro*)

H: shrub or small tree, in forest. M: 40; 94. D: STP. V: *Oliveira 209/98* (LISC); *Paiva 1357* (COI).

**PAURIDIANTHA** Hook.f.**†camposii** (G.Taylor) N.Hallé

H: unknown. D: ST.

**floribunda** (K.Schum. & K.Krause) Bremek. (*Nicolau, Pau-caixão, Pau-nicolau, Pó-luculá*)

H: tree or shrub, in forest. M: 13; 126; 173. D: STP. V: *Figueiredo 70* (K, LISC).

**†insularis** (Hiern) Bremek.

H: small tree, in forest. D: ST. V: *Matos 7567* (LISC).

**rubens** (Benth.) Bremek.

H: shrub, in forest or lava flows. D: ST.

**PAVETTA** L.**monticola** Hiern (*Língua-de-boi*)

H: shrub or tree, in forest. D: ST. V: *Paiva 885* (COI).

**PENTAS** Benth.**schimperiana** (A.Rich.) Vatke subsp. **occidentalis** (Hook.f.) Verdc.

H: shrub or woody herb, in forest. D: ST. V: *Matos 7367* (LISC).

**PENTODON** Hochst.**pentandrus** (Schumach. & Thonn.) Vatke

H: herb, in forest and on stream banks. D: ST. V: *Matos 7720* (LISC).

**POUCHETIA** A.Rich. ex DC.**sp.**; Figueiredo (2005: 100)

H: shrub or tree, in forest and on stream banks. D: STP. V: *Matos 7250* (LISC).

**PSYCHOTRIA** L.**†exellii** R.Alves, Figueiredo & A.P.Davis

H: small tree, in forest. D: ST.

**†grumilea** (Kuntze) E.M.A.Petit

H: shrub or tree, in forest. D: ST. V: *Matos 7502* (BRLU, LISC).

**†guerkeana** K.Schum.

H: shrub or tree, in forest. D: ST. V: *Matos 7557* (BRLU, LISC).

**lucens** Hiern var. **lucens**

H: shrub or tree, in forest. D: ST. V: *Matos 7483* (BRLU, LISC).

**†molleri** K.Schum. (*Pau-dumo*)

H: shrub, in forest. D: ST. V: *Matos 7245* (BRLU, LISC).

**†nubicola** G.Taylor

H: shrub or tree, in forest. D: ST. V: *Lejoly 94/563-B* (BRLU, LISC).

**peduncularis** (Salisb.) Steyerl. (*Aio-d'obô, Alho-d'obô, Pó-clusso*)

H: shrub, in forest. M: 62; 98; 103; 124; 158; 174. D: STP. V: *Figueiredo 63* (K, LISC); *Paiva 1917* (COI).

**†principensis** G.Taylor (*Café-silvestre*)

H: shrub or tree, in forest. D: P. V: *Paiva 600* (COI).

**spathacea** (Hiern) Verdc. (*Aio-d'obô, Alho-d'obô, Café-do-mato, Pau-leite, Pó-clusso*)

H: shrub, in forest. M: 62; 71; 94; 98; 103; 124; 158; 174. D: ST. V: *Paiva 1190* (COI), *1919* (COI).

**subobliqua** Hiern (*Quaco-maguíta*)

H: shrub or tree, in forest. M: 22; 131. D: STP. V: *Figueiredo 97* (K, LISC).

**†thomensis** G.Taylor

H: shrub or tree, in forest. D: ST. V: *Matos 7246-4* (BRLU, LISC).

**venosa** (Hiern) E.M.A.Petit (*Pó-água, Pó-áua*)

H: shrub or tree, in forest. M: 61; 68; 98; 103; 105; 124; 183. D: ST. V: *Madureira & Martins 496* (COI).

**PSYDRAX** Gaertn.**acutiflora** (Hiern) Bridson (*Códó d'áua, Corda-d'água, Gligô-d'obô*)

H: scandent shrub or climber, in forest. M: 53; 99; 122; 124; 146; 178. D: ST. V: *Madureira & Martins 495* (COI).

**parviflora** (Afzel.) Bridson

H: tree, in forest. D: ST.

**subcordata** (DC.) Bridson var. **subcordata** (*Clá-clá, Fiá-nónó, Nonô, Pau-formiga, Pó-flóminga*)

H: myrmecophilous tree with horizontal branches at top, in forest. M: 52; 124; 150. D: ST. V: *Paiva 1053* (COI).

**sp. A**; Figueiredo (2005: 103)

H: small tree, in forest. D: P.

**sp. B**; Figueiredo (2005: 103)

H: scandent shrub, in forest. D: P. V: *Matos 7758A* (LISC).

**ROTHMANNIA** Thunb.**urcelliformis** (Hiern) Robyns (*Mucumba, Teia-teia, Teia-teia-machado*)

H: shrub or small tree, in forest. D: ST. V: *Oliveira 629* (LISC).

**RUTIDEA** DC.**smithii** Hiern (*Grigo-d'obô*)

H: climber, in forest. D: ST. V: *Lejoly 97/304* (LISC).

**RYTIGYNIA** Blume**rubra** Robyns

H: shrub, in forest. D: ST. V: *Figueiredo 107* (K).

**umbellulata** (Hiern) Robyns

H: shrub or small tree, in forest. D: STP. V: *Figueiredo 82* (K, LISC).

**SABICEA** Aubl.**†exellii** G.Taylor

H: in forest, on stream banks. D: ST. V: *Joffroy 146* (BRLU, LISC).

**†ingrata** K.Schum. var. **ingrata**

H: woody climber in forest, on stream banks, on roadsides. D: ST. V: *Figueiredo 50* (K, LISC).

**ingrata** K.Schum. var. **insularis** (Wernham) Joffroy

H: woody climber, in forest. D: ST. V: *Figueiredo 239* (LISC).

**thomensis** Joffroy

H: woody climber, in forest. D: ST. V: *Lejoly 97/330* (BRLU, LISC).

**SACOSPERMA** G.Taylor**paniculatum** (Benth.) G.Taylor (*Gligô-d'obô*)

H: woody climber, in forest. M: 53; 99; 122; 124; 146; 178. D: STP. V: *Madureira & Martins 292* (COI).

**SPERMACOCE L.****exilis** (L.O. Williams) C.Adams ex W.C.Burger & C.M.TaylorH: herb, in secondary forest, on roadsides and in villages. D: STP. V: *Matos 7695* (LISC).\***verticillata** L. (*Fia-quêsá, Fia-quêsá-homem, Fia-quêsá-homé, Quezá-homem*)H: herb, on roadsides, in cultivated lands, secondary forest, ruderal. M: 5; 82; 117. D: ST. V: *Paiva 845* (COI).**TARENNA** Gaertn.**eketensis** Wernham var. **eketensis**H: climber, in forest. D: ST. V: *Figueiredo 240* (LISC).\***nitiduloides** G.TaylorH: shrub or small tree, in forest. D: STP. V: *Matos 7547* (LISC).**principensis** DegreefH: shrub or small tree, in forest. D: P. V: *Oliveira 578* (LISC).**TRICHOSTACHYS** Hook.f.**aurea** HiernH: shrub, in forest. D: P. V: *Paiva 552* (COI).**UNCARIA** Schreb.**africana** G.DonH: climber, in forest, on stream banks. D: ST. V: *Joffroy 137* (LISC).

## RUTACEAE

\***CITRUS** L.Note: also recorded as cultivated: **Citrus reticulata** Blanco (*Tangilina*) and **C. sinensis** (L.) Osbeck (*Lanza-doce, Laranja*).\***aurantifolia** (Christm.) Swingle (*Laranjeira-silvestre*)H: shrub or tree with white flowers. E: fruits. D: P. V: *Paiva 627* (COI).\***aurantium** L. (*Lanza-azêda, Lanza-d'obô, Lanza-mato, Laranjeira-brava, Laranjeira-das-florestas*)H: tree with white flowers. E: fruits. M: 81; 101; 174. D: ST. V: *Madureira & Martins 212* (COI).\***limon** (L.) Burm.f. (*Limom-blabo*)H: shrub or tree with white flowers. M: 79; 136; 146. E: fruits. D: ST. V: *Paiva 739* (COI).?\***maxima** (Burm.) Merr.*grandis* (L.) Osb.

N: recorded by Exell (1973) based on Silva (1958) without specimen citation.

?\***nobilis** Lour.

N: recorded by Exell (1944) based on a citation by Moller; no specimens known.

**CLAUSENA** Burm.f.**anisata** (Willd.) Hook.f. ex Benth. (*Catchina-guessa*)

H: shrub or small tree with white flowers. D: ST.

**GLYCOSMIS** Corrêa**africana** Hook.f. ex Benth.

D: ST. N: not listed in Tropicos (2009) nor AFPD (2009) databases.

The type is a collection by Don (*s.n.*, K) from S.Tomé. The material is too poor to be determined (Exell 1944).\***RUTA** L.\***chalepensis** L. (*Arruda, Lurda*)H: perennial herb, in plantations. E: leaves (condiment). D: ST. V: *Oliveira 202* (BRLU).**ZANTHOXYLUM** L.**gillettii** (De Wild.) P.G.Waterman (*Mampiam, Marapião*)*Fagara macrophylla* Engl.H: tree with thorns, in forest. D: STP. V: *Paiva 792* (COI).**rubescens** Hook.f. (*Malapião, Mampiã, Marapião*)*Fagara rubescens* (Hook.f.) Engl.H: tree, in forest. M: 14; 21; 22; 27; 33; 80; 99; 126; 150; 173. D: STP. V: *Madureira & Martins 172* (COI), *454* (COI).**thomense** (Engl.) A.Chev. ex P.G.Waterman (*Malapião, Mampiã, Marapião*)*Fagara thomensis* Engl.H: habit unknown. M: 14; 21; 22; 27; 33; 80; 99; 126; 150; 173. D: ST. V: *Madureira & Martins 508* (COI).

## SAPINDACEAE

**ALLOPHYLUS** L.**africanus** P.Beauv. (*Chelala-chelala, Fia-pô-tlêche, Fia-tlêche, Folha-três, Pau-três, Pau-vala, Pó-tlêche, Selá-selá*)H: shrub or tree with white flowers, in forest. M: 3; 19; 22; 57; 124; 170; 187. D: STP. V: *Madureira & Martins 429* (COI).**grandifolius** (Baker) Radlk. (*Pau-três, Pó-tlêche, Pó-tlêche-d'obô*)H: shrub or small tree, in forest. M: 3; 19; 22; 57; 124; 170. D: STP. V: *Matos 7335* (LISC).**BLIGHIA** K.D.Koenig**sapida** K.D.Koenig

H: tree with whitish flowers. E: fruits (yellow aril). D: STP.

**CARDIOSPERMUM** L.**halicacabum** L.

H: climber. D: ST.

**CHYTRANTHUS** Hook.f.\***mannii** Hook.f. (fruit: *Pecego, Péssuco, Péssugo*; tree: *Pecegueiro, Pecegueiro-de-S.Tomé, Pessegueiro-de-São-Tomé*)H: shrub or small tree, in forest. E: fruits. M: 22; 53; 61; 67; 78; 81; 124; 173. D: STP. V: *Matos 7685* (LISC).\***PAULLINIA** L.\***pinnata** L. (*Códó-qué, Corda-qué, Corocô, Quoroqué*)H: climber with white flowers. M: 13; 22; 67; 124; 134; 170. D: STP. V: *Paiva 1163* (COI), *1886* (COI).

## SAPOTACEAE

**CHRYSOPHYLLUM** L.**africanum** A.DC. (*Cola-do-obô, Umtuem, Untué-d'obô*)*delevoyi* De Wild.H: tree with creamy white flowers, in forest. M: 61; 83. D: ST. V: *Madureira & Martins 665* (COI).**albidum** G.Don (*Untué, Untué-do-ôbô, Untuen*)H: tree, in forest, secondary forest and plantations. M: 61; 124; 173; 187. D: STP. V: *Madureira & Martins 664* (COI).\***calophyllum** Exell

H: shrub with greenish white flowers, in forest. D: P.

\***henriquesii** Engl.

H: habit unknown. D: P.

**MANILKARA** Adans.**obovata** (Sabine & G.Don) J.H.Hemsl. (*Azeitona, Pau-azeitona, Pó-zetona, Zetona*)*multinervis* (Baker) DubardH: shrub or tree, near watercourses. M: 124. D: STP. V: *Oliveira 16/98* (BRLU); *Pagué 25* (COI).\***zapota** (L.) P.Royen (*Sapotilha*)H: shrub with white flowers. D: ST. V: *Oliveira 877* (BRLU).**SYNSEPALUM** A.DC.**revolutum** (Baker) T.D.Penn. (*Pau-azeitona, Zetona*)*Vincentella densiflora* (Baker) Pierre

H: tree, in forest. D: ST.

## SCROPHULARIACEAE

**ALECTRA** Thunb.**sessiflora** (Vahl) Kuntze var. **monticola** (Engl.) Melch.H: parasite annual herb. D: P. V: *Stévert 250* (BRLU).**LINDERNIA** All.**diffusa** (L.) Wettst.H: herb with whitish flowers in secondary forest. D: STP. V: *Paiva 993* (COI).\***RUSSELIA** Jacq.\***equisetiformis** Schltdl. & Cham.

H: shrub with red flowers. O. D: STP.

\***SCOPARIA** L.\***dulcis** L. (*Mazenzem, Quézá*)H: shrubby herb with white flowers, ruderal. M: 5; 110; 170. D: STP. V: *Madureira & Martins 305* (COI).

**THUNBERGIANTHUS** Engl.**\*quintasii** Engl. (*Musa-fria*)

H: climber with white flowers, in forest and secondary forest. D: ST. V: *Matos 7456* (LISC).

**TORENIA** L.**thouarsii** (Cham. & Schltldl.) Kuntze

H: annual creeping herb rooting at nodes with flowers blue or white. D: STP.

## SCYTOPETALACEAE

**SCYTOPETALUM** Pierre ex Engl.**klaineum** Pierre ex Engl. (*Pó-capitango, Vilo-branco, Viro-branco kamerunianum* Engl.)

H: tree, in forest. M: 22. D: ST. V: *Madureira & Martins 419* (COI).

## \*SIMAROUBACEAE

**\*QUASSIA** L.**\*amara** L.

N: recorded by Exell (1973) based on Silva (1958) without specimen citation.

## SOLANACEAE

**\*BROWALLIA** L.**\*americana** L. (*Coidano*)*viscosa* Kunth

H: herb with purple or blue flowers, in secondary forest and plantations. O: D: ST. V: *Figueiredo III* (K).

**\*BRUGMANSIA** Pers.**\* ×candida** Pers.*Datura candida* (Pers.) Saff.

H: shrub or small tree with white flowers. M: 27; 164. O: D: ST. V: *Paiva 1280* (COI).

**\*BRUNFELSIA** L.**\*uniflora** (Pohl) D. Don (*Manacá*)

H: shrub with white and purple flowers. O: D: ST.

**\*CAPSICUM** L.**\*annuum** L. (*Maglita*)

H: perennial herb. E: fruits (spice). D: ST.

**\*frutescens** L. (*Jindungo, Maglita, Maguita-tuá-tuá, Malagrita, Malagueta-tuatuá, Picante, Pimenta, Piripiri*)

H: perennial herb or shrub, ruderal. E: fruits (spice). M: 22; 51; 89; 102; 158; 173. D: STP. V: *Figueiredo 108* (K); *Paiva 529* (COI).

**\*CESTRUM** L.**\*laevigatum** Schltldl. (*Coedano, Cuedano, Pau-febre, Pau-fede*)

H: shrub or tree. M: 79; 98; 103; 112; 123; 128; 153; 158;. D: STP. V: *Figueiredo 44* (K).

**\*CYPHOMANDRA** Mart.**\*betacea** (Cav.) Sendtn. (*Tomate-do-mato*)

H: tree. E: fruits. M: 188. D: ST. V: *Madureira & Martins 472* (COI).

**\*DATURA** L.**\*metel** L. (*Fia-fitiço, Fia-plêto, Folha-feitiço, Folha-preta*)*fastuosa* L.

H: annual herb or undershrub with white flowers, ruderal. M: 5; 27; 35; 39; 56; 87; 124; 150; 167. D: ST. V: *Paiva 1295* (COI).

**?\*stramonium** L. (*Figueira-do-inferno*)

H: herb with white or purple flowers. M: 139. D: ST? N: recorded by Roseira (1984); no specimens known.

**\*LYCOPERSICON** Mill.**\*esculentum** Mill. (*Tomate*)*Solanum lycopersicon* L.

H: herb. E: fruits. M: 15; 148. D: STP. V: *Madureira & Martins 666* (COI).

**\*NICANDRA** Adans.**\*physalodes** (L.) Gaertn. (*Pupupléila*)

H: herb or shrub. D: STP. V: *Paiva 31* (COI).

**\*NICOTIANA** L.**\*tabacum** L. (*Tabaco*)

H: perennial herb. M: 150; 158. D: ST. V: *Oliveira 218* (BRLU).

**\*PHYSALIS** L.**\*angulata** L.

H: annual herb. D: STP. V: *Oliveira 536* (BRLU).

**\*peruviana** L. (*Carapucha*)

H: perennial herb or shrub. E: fruits. D: ST. V: *Paiva 1028* (COI).

**SOLANUM** L.**\*aculeatissimum** Jacq.

H: spiny undershrub with white flowers. D: STP. V: *Lejoly 97/280* (BRLU).

**\*aethiopicum** L. (*Batuitui*)*gilo* Raddi

H: perennial herb. E: fruits. M: 112; 154; 165. D: ST. V: *Madureira & Martins 340* (COI).

**\*americanum** Mill. (*Dumbú, Lossua*)

H: annual herb. E: leaves. D: ST. V: *Lejoly 95/077* (BRLU, LISC).

**anguivi** Lam.*indicum* sensu auct. non L.

H: shrub. D: ST.

**dasyphyllum** Schumach. & Thonn.

H: undershrub. D: P.

**macrocarpon** L. (*Maquequé, Maquêquê*)

H: undershrub or shrub. E: leaves, fruits. M: 31; 60; 89; 100; 146; 170; 182. D: ST. V: *Paiva 1044* (COI).

**\*melongena** L. (*Beringela-roxa, Binzela*)

H: perennial herb. E: fruits. M: 73; 112; 142; 162; 170; 174; 188. D: ST. V: *Madureira & Martins 667* (COI).

**nigrum** L. (*Lossua, Lussua, Olossua*)

H: annual herb or undershrub, ruderal. M: 60; 185. D: STP. V: *Paiva 1387* (COI).

**terminale** Forssk.

H: shrub or climber, in secondary forest and on roadsides. D: ST. V: *Jaffroy 12* (BRLU).

**\*tuberosum** L. (*Batata*)

H: perennial herb. E: tubers. D: ST.

**\*wrightii** Benth.

H: tree with blue and white flowers. D: ST. V: *Figueiredo 177* (LISC).

## STERCULIACEAE

**COLA** Schott & Endl.**acuminata** (P.Beauv.) Schott & Endl. (*Cola, Cola-congo, Coleira, Pau-cola, Pau-de-cola, Pó-di-cola*)

H: shrub or tree. E: fruits (stimulant). M: 13; 42; 52; 57; 62; 74; 101; 135; 172; 177. D: STP. V: *Paiva 664* (COI).

**digitata** Mast. (*Cola-congo*)

H: shrub or tree. D: STP. V: *Jaffroy 217* (BRLU); *Oliveira 1063* (BRLU).

**sphaerocarpa** A.Chev.

H: habit unknown. D: ST. N: doubtful species described from fruits only (Exell 1944); no specimens known.

**MELOCHIA** L.**corchorifolia** L.

H: annual herb or perennial undershrub. D: ST.

**STERCULIA** L.**bequaertii** De Wild. (*Bungá*)

H: tree. D: ST. V: *Figueiredo 232* (LISC).

**tragacantha** Lindl. (*Néspera, Néspera-d'obó, Néspla-d'obó, Popó*)

H: shrub or tree. D: STP.

**\*THEOBROMA** L.**\*cacao** L. (*Cacau, Cacaueiro, Cacaueiro, Cacueiro*)

H: tree. E: fruits. M: 51; 94; 98; 173. D: STP. V: *Paiva 723* (COI).

## STRYCHNACEAE

**STRYCHNOS** L.**sp.**

H: shrub or small tree in forest. D: STP. V: *Oliveira 571* (BRLU), *145/98* (BRLU).

## ?TACCACEAE

?**TACCA** J.R.Forst. & G.Forst.

?**leontopetaloides** (L.) Kuntze

N: recorded by Exell (1944, 1973) based on literature citations; no specimens known.

## THEACEAE

\***CAMELLIA** L.

\***japonica** L. (*Cameleira, Camélia*)

H: shrub or small tree. D: ST.

\***sinensis** (L.) Kuntze (*Chá, Cházeiro, Pau-chá*)

H: shrub or small tree. D: ST.

**MELCHIORA** Kobuski

<sup>E</sup>**mannii** (Oliv.) Kobuski

*Balthasaria mannii* (Oliv.) Verde.

H: small tree, in primary forest. D: ST. N: not collected since 1956.

## THYMELAEACEAE

**DICRANOLEPIS** Planch.

<sup>E</sup>**thomensis** Engl. & Gilg

H: shrub with white flowers, in forest. D: STP. V: *Matos 7679* (LISC).

**PEDDIEA** Harv.

<sup>E</sup>**thomensis** Exell

H: shrub or small tree with white flowers in forest. D: STP. N: was considered a synonym of *P. africana* Hook. by Breteler (1994). V: *Joffroy 223* (BRLU); *Matos 7566* (LISC).

## TILIACEAE

**CORCHORUS** L.

**aestuans** L.

H: annual or perennial herb. E: leaves. D: ST.

**olitorius** L.

H: annual herb. E: leaves. D: ST.

**GREWIA** L.

**carpinifolia** Juss.

H: shrub or small tree with yellow flowers. D: ST. V: *Figueiredo 248* (LISC).

**floribunda** Mast.

H: shrub or liana. D: ST.

**malacocarpa** Mast.

H: climbing shrub or liana. D: ST.

**TRIUMFETTA** L.

**rhomboidea** Jacq.

H: perennial herb or undershrub. D: ST. V: *Paiva 169* (COI).

## TRIURIDACEAE

(Daniel 2010)

**SCIAPHILA** Blume

**ledermannii** Engl.

H: perennial herb. D: P.

## ULMACEAE

**CELTIS** L.

**gompophylla** Baker (*Cheque-cheque, Pau-féde, Pó-fédé*)

H: tree. D: ST.

**mildbraedii** Engl. (*Capitango, Capitão, Gromotu, Pau-capitão, Pó-capitom*)

H: tree, in forest. D: ST. V: *Lejoly 97/345* (BRLU).

**philippensis** Blanco (*Quaco-branco*)

*prantlii* sensu auct. non Priemer ex Engl.

H: shrub or tree, in secondary forest. D: STP. V: *Oliveira 17/98* (BRLU).

**TREMA** Lour.

**orientalis** (L.) Blume (*Cabra, Cheque-cheque, Pau-cabra, Pau-parteira, Pó-cabra, Pó-parteira, Pó-pátela*)

H: shrub or tree. M: 61; 95. D: STP. V: *Madureira & Martins 239* (COI).

## URTICACEAE

**BOEHMERIA** Jacq.

**macrophylla** Hornem.

*platyphylla* Ham. ex D.Don

H: shrub. D: ST. V: *Figueiredo 176* (LISC).

\***nivea** (L.) Gaudich. (*Rami*)

H: perennial herb. D: ST. V: *Matos 7667* (LISC).

**ELATOSTEMA** J.R.Forst. & G.Forst.

**paivaeanum** Wedd.

H: annual or perennial herb. D: P. V: *Joffroy 224* (BRLU).

<sup>E</sup>**thomense** Henriq.

H: herb, in forest, near watercourses. D: ST. V: *Figueiredo 217* (LISC).

**welwitschii** Engl.

H: herb, in forest. D: ST. V: *Figueiredo 216* (LISC).

**LAPORTEA** Gaudich.

**aestuans** (L.) Chew (*Fiá-flaquesa, Fiá-lévè*)

H: annual herb. M: 82. D: STP. V: *Paiva 858* (COI).

**ovalifolia** (Schumach. & Thonn.) Chew

H: rhizomatous or stoloniferous herb. D: ST. V: *Figueiredo 233* (LISC).

\***PHENAX** Wedd.

\***sonneratii** (Poir.) Wedd.

H: herb, ruderal. D: ST. V: *Figueiredo 36* (K).

**PILEA** Lindl.

<sup>E</sup>**manniana** Wedd.

H: herb, in forest. D: STP. V: *Joffroy 208* (BRLU); *Matos 7360* (LISC).

\***microphylla** (L.) Liebm.

H: annual herb. D: ST. V: *Lejoly 97/283* (LISC).

**rivularis** Wedd.

H: annual herb, in forest. D: ST. V: *Matos 7525* (LISC).

**POUZOLZIA** Gaudich.

**guineensis** Benth.

H: annual or perennial herb. D: ST.

**PROCRIS** Comm. ex Juss.

**crenata** C.B.Rob.

H: perennial herb with succulent stems. D: STP. V: *Oliveira 176/98* (BRLU), *891* (BRLU).

**URERA** Gaudich.

**mannii** (Wedd.) Benth. & Hook.f. ex Rendle (*Lutchiga, Urtiga*)

H: liana, climbing shrub or tree, in forest. M: 27; 31; 99. D: STP. V: *Madureira & Martins 213* (COI).

**trinervis** (Hochst.) Friis & Immelman (*Lutchica, Urtiga*)

*cameroonensis* Wedd.

H: liana or climbing shrub, in forest. D: ST. V: *Joffroy 76* (BRLU).

## VERBENACEAE

**CLERODENDRUM** L.

\***chinense** (Osbeck) Mabb.

*japonicum* sensu auct. non (Thunb.) Sweet

H: shrub. D: ST. V: *Matos 7258* (LISC).

**dusenii** Gürke

H: shrub with white flowers. D: ST. V: *Oliveira 965* (BRLU).

**silvanum** Henriq.

H: scrambling shrub or liana, with white flowers. D: STP. V: *Matos 7445* (LISC).

\***speciosissimum** C.Morren

H: shrub with red flowers. D: ST. V: *Lejoly 97/291* (BRLU).

**thomsoniae** Balf.

H: liana with white and red flowers. D: ST. V: *Paiva 352* (COI).

**volubile** P.Beauv.

H: climbing shrub. D: P.

\***DURANTA** L.

\***erecta** L.

*repens* L.

H: shrub. O. D: ST. V: *Oliveira 988* (BRLU).

**\*LANTANA** L.**\*camara** L. (*Lantana, Micóco-campo*)H: shrub, ruderal. O. M: 52; 99; 172; 183. D: ST. V: *Paiva 1146* (COI).**PREMNA** L.**angolensis** Gürke (*Pau-ama, Pó-ama*)H: tree or climbing shrub, with white flowers. M: 79; 95; 107; 123. D: ST. V: *Oliveira 125* (BRLU).**\*PRIVA** Adans.**\*lappulacea** (L.) Pers.H: perennial herb with violet flowers, ruderal. D: ST. V: *Matos 7632* (LISC).**\*TECTONA** L.f.**\*grandis** L.f. (*Teca*)H: tree with large leaves. D: ST. V: *Paiva 829* (COI).

## VIOLACEAE

**RINOREA** Aubl.**angustifolia** (Thouars) Baill. (*Soá-soá*)

H: shrub. D: ST.

**<sup>E</sup>chevalieri** ExellH: shrub, in lowland forest. D: ST. V: *Figueiredo 88* (K).**<sup>E</sup>insularis** Engl.H: shrub with yellow flowers, in forest. D: P. V: *Paiva 618* (COI).**<sup>E</sup>thomensis** Exell (*Tesse*)

H: shrub or tree, in forest. D: ST.

## VISCACEAE

**VISCUM** L.**triflorum** DC.H: parasitic shrub, in forest. D: ST. V: *Oliveira 628* (BRLU).

## VITACEAE

**CAYRATIA** Juss.**debilis** (Baker) Suss. (*Mússua-de-obô*)*Cissus debilis* (Baker) Planch.

H: climber. D: ST.

**gracilis** (Guill. & Perr.) Suss.H: climber. D: ST. V: *Paiva 1156* (COI).**CISSUS** L.**aralioides** (Baker) Planch.

H: climber. D: ST.

**barbeyana** De Wild. & T.Durand

H: climber. D: STP.

**oliveri** (Engl.) Gilg

H: climber. D: ST.

**producta** Afzel.H: climber. D: ST. V: *Figueiredo 214* (LISC).**sp. aff. petiolata** Hook.f.N: recorded by Exell (1944) based on *Quintas 1377*, which could be a new species.**CYPHOSTEMMA** (Planch.) Alston**<sup>E</sup>curvipodum** (Baker) Desc.*Cissus curvipoda* (Baker) Planch.H: climber. D: ST. V: *Paiva 1174* (COI).**\*VITIS** L.**\*vinifera** L. (*Videira*)

H: climber. E: fruits. D: ST.

## ZINGIBERACEAE

**AFRAMOMUM** K.Schum.**daniellii** (Hook.f.) K.Schum. (*Orsame, Órsamo, Ossame, Ossame-d'ôbô, Óssami, Óssamo*)H: herb up to 3 m high, with red and yellow flowers. E: fruit (spice). M: 79; 97. D: STP. V: *Figueiredo 68* (K); *Paiva 536, 1912* (COI).**melegueta** (Roscoe) K.Schum.

H: rhizomatous herb up to 1.5 m high, with pink flowers. M: 57; 146. D: STP.

**?\*ALPINIA** Roxb.**?\*zerumbet** (Pers.) B.L.Burtt & R.M.Sm.*Zerumbet speciosum* J.C.Wendl.

N: recorded by Silva (1958); no specimens known.

**COSTUS** L.**afér** Ker Gawl. (*Fia-ipqueté, Úcuëtê, Úcuëtê-d'áua, Úcuëtê-d'obô*)H: perennial herb up to 3 m high, flowers white and yellow with red. M: 51; 124. D: STP. V: *Paiva 982* (COI).**giganteus** Welw. ex Ridl. (*Bordão-de-macaco, Cana-doce-dos-macacos, Pau-macaco, Ucoete, Úcuëtê*)H: perennial herb up to 3 m high, flowers yellow with red. M: 95; 124; 176. D: STP. V: *Figueiredo 104* (K).**spectabilis** (Fenzl) K.Schum.H: herb with a rosette of  $\pm$  4 suborbicular fleshy leaves, flowers orange or yellow. D: ST.**\*CURCUMA** L.**\*longa** L. (*Açafrão-da-India*)*domestica* Valetton

H: perennial rhizomatous herb up to 1.5 m high. E: rhizome (spice). D: P.

**?\*ELETTARIA** Maton**?\*cardamomum** Maton*repens* sensu auct. Exell non (Sonn.) Baill.

N: recorded by Exell (1944, 1973) based on literature citations; no specimens known.

**\*HEDYCHIUM** J.Koenig**\*coronarium** J.Koenig

H: perennial herb up to 2 m high, with white flowers with a yellow-green centre. D: P.

**\*NICOLAIA** Horan.**\*elatior** (Jack) Horan. (*Rosa-de-porcelana*)H: perennial herb, with red flowers. O. D: ST. V: *Paiva 268* (COI).**RENEALMIA** L.f.**cinninata** (K.Schum.) Baker

H: herb up to 1.5 m high, with white flowers. D: P.

**<sup>E</sup>sancti-thomae** I.M.Turner*grandiflora* BakerH: perennial herb with orange-red flowers. D: ST. V: *Figueiredo 98* (K).**\*ZINGIBER** Mill.**\*officinale** Roscoe (*Gemgimple, Gengibre, Gigimple*)

H: herb up to 1 m high. E: root (spice). D: STP.

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## APPENDIX—Medicinal properties or symptoms for which plants are used

1. Abdominal aches
2. Abdominal colic
3. Abdominal pain
4. Abortive
5. Abscess
6. Against evil spells
7. Against superstition
8. Against witchcraft
9. Air disinfectant
10. Albumin
11. Alcoholism
12. Allergies
13. Anaemia
14. Analgesic
15. Anthrax
16. Anti-abortion
17. Anti-aphrodisiac
18. Anti-diuretic
19. Anti-emetic
20. Anti-helminthic
21. Antiseptic
22. Aphrodisiac
23. Aphta
24. Appetite inducer
25. Arterial hypertension
26. Asthenia
27. Asthma
28. Backache
29. Bellyache
30. Bladder inflammation
31. Blenorrhagia
32. Blood pressure
33. Body aches
34. Body relaxing (children)
35. Boils
36. Breathing problems
37. Bronchitis
38. Bumps
39. Burns
40. Calming
41. Carbuncles
42. Cardiac diseases
43. Carminative
44. Cervical spinal column aches
45. Chickenpox
46. Children, fevers
47. Children, tonic
48. Children, tooth problems
49. Chronic bronchitis
50. Chronic wounds
51. Cicatrizant
52. Cold
53. Colic
54. Constipation
55. Contraceptive
56. Contusion
57. Cough
58. Dental cavities
59. Dermatology
60. Diabetes
61. Diarrhoea
62. Digestion
63. Disinfectant
64. Diuretic
65. Dizziness
66. Drunkenness
67. Dysentery
68. Dysmenorrhoea
69. Earache
70. Eczema
71. Elephantiasis
72. Emollient
73. Enteritis
74. Eye decongestant
75. Eye inflammation
76. Failing eyesight

77. Febrifuge  
 78. Female sterility  
 79. Fever  
 80. Flatulence  
 81. Flu  
 82. Fortifier  
 83. Fractures  
 84. Frigidity  
 85. Galactogen  
 86. Ganglia inflammation  
 87. Haematoma  
 88. Haemorrhage  
 89. Haemorrhoids  
 90. Haemostatic  
 91. Hair conditioner  
 92. Hair growth stimulant  
 93. Hair treatment  
 94. Headache  
 95. Helps births  
 96. Helps children start walking  
 97. Helps expel placenta  
 98. Hepatitis  
 99. Hernia  
 100. Hiccups  
 101. Hoarseness  
 102. Hypertensive  
 103. Hypotensive  
 104. Indigestion, indisposition  
 105. Inflammations  
 106. Inguinal hernia  
 107. Insect repellent  
 108. Insecticide  
 109. Internal contusion  
 110. Intestinal problems of nursing babies  
 111. Intestine infections  
 112. Intestine colic  
 113. Itching  
 114. Jaundice  
 115. Kidney aches  
 116. Kidney colic  
 117. Kidney stones  
 118. Laryngitis  
 119. Laxative  
 120. Laxative (post-birth)  
 121. Leprosy  
 122. Liver diseases  
 123. Malaria  
 124. Massage  
 125. Massage (fractured, disjuncted bones)  
 126. Massage (fractures, sprains)  
 127. Massage (body aches)  
 128. Measles  
 129. Menstrual cramps  
 130. Mouth disinfectant  
 131. Mouth hygiene  
 132. Mouth inflammations  
 133. Nail infections  
 134. Pain  
 135. Parasites  
 136. Parasites (intestine)  
 137. Parasites (lice)  
 138. Perfume  
 139. Poison  
 140. Post-birth haemorrhage  
 141. Post-birth treatments  
 142. Prolapsed colon  
 143. Protection  
 144. Protection against drunkenness  
 145. Protection against poisons  
 146. Purgative  
 147. Purgative (for adults only)  
 148. Refreshing  
 149. Regulates menstruation  
 150. Rheumatism  
 151. River fevers  
 152. Rubefacient  
 153. Scabies  
 154. Sedative  
 155. Sight  
 156. Sinusitis  
 157. Skin allergies  
 158. Skin diseases  
 159. Skin rashes  
 160. Sleep inducer  
 161. Slimming  
 162. Spots  
 163. Sprains  
 164. Stimulant  
 165. Stomach ache  
 166. Stomachic  
 167. Swelling (oedema)  
 168. Syphilis  
 169. Teething  
 170. Testicular hernia  
 171. Throat ache  
 172. Tiredness  
 173. Tonic  
 174. Tonsils  
 175. Toothache  
 176. Traumatism  
 177. Tuberculosis  
 178. Tympanitis  
 179. Urinary infection  
 180. Urinary retention  
 181. Uterus infection  
 182. Vaginal muscle contraction after birth  
 183. Venereal diseases  
 184. Vermifuge  
 185. Vitamins  
 186. Vomit inducer (emetic)  
 187. Vomiting  
 188. Warts  
 189. Weakness  
 190. Whooping cough  
 191. Wounds

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