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**ANNOTATED CHECKLIST OF THE VASCULAR PLANTS OF KAKAMEGA
FOREST, WESTERN PROVINCE, KENYA**

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ABSTRACT

An annotated checklist of the Kakamega Forest in Kakamega District is presented. The checklist includes the plants found mainly in Buyangu National Reserve, and the Nature Reserves of Isecheno and Yala. It also includes the adjacent forest fragments of Malava, Kisere and Kaimosi. Nine hundred and eighty six (986) plant taxa (including 36 introduced or cultivated, 12 probably misidentified, 111 photo recorded taxa, and 83 undocumented plant taxa) in 129 families and 527 genera are recorded. This represents about 15.2% of the total number of 6506 Kenyan vascular plant species. For each taxon documented, a short description of its habit and distribution is given. Also 181 synonyms are listed.

Keywords: Kakamega Forest, vascular plants, pteridophytes, gymnosperms, angiosperms, biodiversity

INTRODUCTION

Kakamega Forest is often considered to be the easternmost remnant of the Guineo-Congolian rainforest system (Kokwaro, 1988), and in comparison to these forests of Central and West Africa, it is relatively young, having developed only about 10 000 years ago. With 986 vascular plant taxa it has a fairly low plant species diversity compared to other forests in Kenya, *e.g.* Shimba Hills with 1396 species (Luke, 2005). Many species, however, are not found elsewhere in Kenya and reflect, in part, the insularity of Kakamega forest and the absence of similar forests nearby. The West African influence in combination with afromontane elements evolves a unique floristic mix in Kakamega Forest.

A review of the literature available for Kakamega Forest shows that only few studies deal with its flora and vegetation. Among them are investigations of the vegetation status and composition, the human impact on the forest, and regeneration processes of trees (Kigomo, 1987; Kokwaro, 1988; Tsingalia, 1988, 1990; Mutangah *et al.*, 1992; Wass, 1995; Mutangah, 1996; Scully, 2001; Nzilani, 2002; Fashing & Gathua, 2004; Fashing *et al.*, 2004; Mitchell, 2004).

The present study was part of the BIOTA (Biodiversity Monitoring Transect Analysis in Africa) framework (www.biota-africa.org), funded by the German Federal Ministry of Education and Research (BMBF), subproject BIOTA-East E04, which researches ecosystem function, fragmentation along gradients of disturbance, implementation on biodiversity and conservation and sustainable use of East African rainforest ecosystems.

STUDY SITE

Kakamega Forest is located in the Western Province of Kenya, situated approximately 150 km west of the Rift Valley, 50 km northeast of Lake Victoria and 70 km east of the Uganda border. It is part of the Nyanza Low Plateau with slight relief undulation and slopes gently towards Lake Victoria (KIFCON, 1994). The study site ranges over an altitude of 1460–1765 m (Lung & Schaab, 2006) and extends between latitudes 00°08'30.5''N (41 236 in UTM 36 N) and 00°22'12.5''N (15 984) in North-South-direction and longitudes 34°46'08.0''E (696 777) and 34°57'26.5''E (717 761) in East-West-direction (Schaab, 2001). It covers the main block of Kakamega Forest and further associated forest fragments (Malava, Kisere and Kaimosi Forest) (see figure 1).

A lot of small rivers and streams cross Kakamega Forest with two main river systems, the Isiukhu River in the north and the Yala River in the south. Most of the forest is flat to undulating, with two steep hills rising several hundred metres above the forest (Buyangu Hill in the north and Lirhandu Hill in the south).

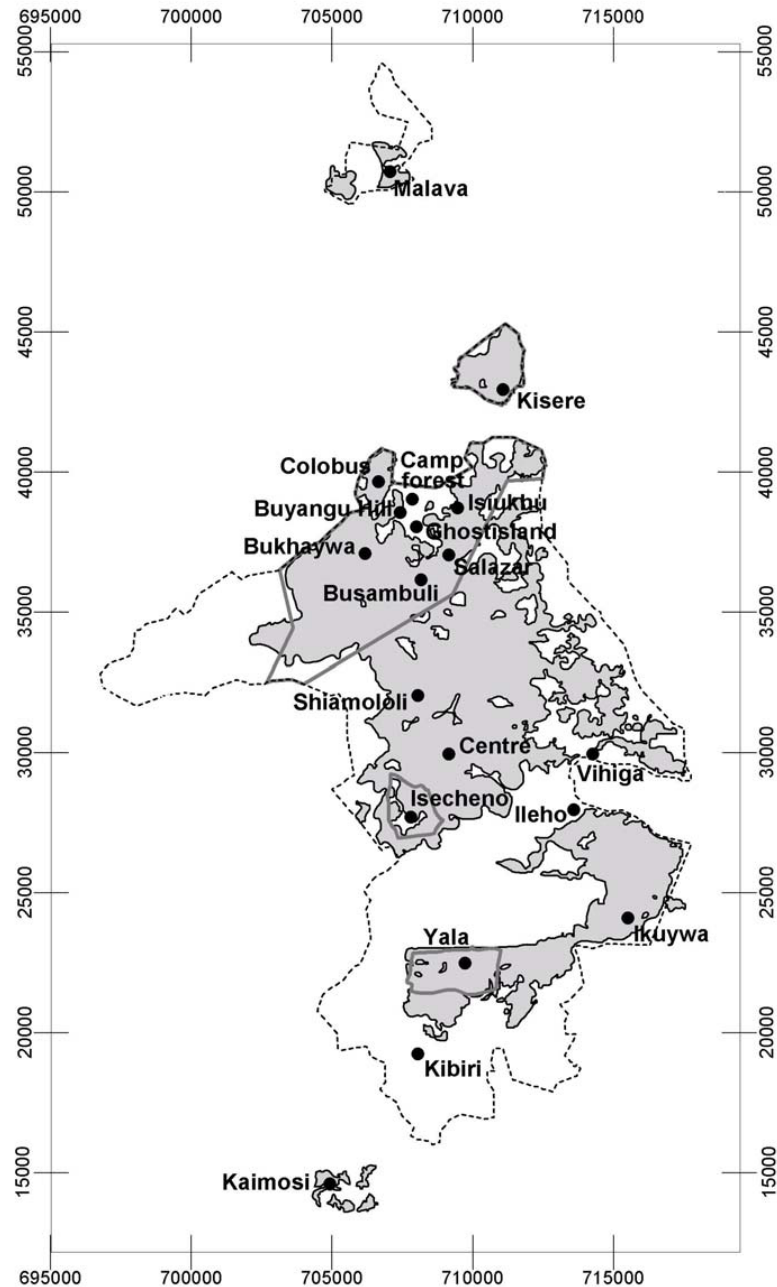


Figure 1. Map of Kakamega Forest and associated forests with the official forest boundary gazetted in 1933 (dashed line), the Buyangu National Reserve in the north, the Nature Reserves Isecheno and Yala in the middle and south. The study sites within the forest are indicated in grey lines. The grey shaded area represents the extent of mature forest as derived from visual interpretation. UTM projection: transverse mercator, grid: UTM Zone 36, Unit of measurement: meters. Source: G. Schaab, E02 (Karlsruhe).

The temperature ranges on average between 10.6°C and 27.7°C. The area receives an average annual rain fall of about 2000 mm, with maximum of rainfall in April/May and August/September, and minimum between December and February (Tsingalia, 1990; Greiner, 1991; KDDP, 1994/1996).

In a highly populated rural area, with an average population density of 600 people per km² (Blackett, 1994) and more than 200 000 people distributed in 57 villages adjacent to the forest, the Kakamega Forest has been an important resource for local people over a long period (Kiplagat *et al.*, 2008). Thus the forest plays a significant role as a 'safety net' to supplement household basic needs (Mitchell, 2004), such as firewood or traditional medicinal plants (Engelhard, 1984; Haupt, 2000).

Mitchell (2004) collected information about the former size of the forest and gives a comparison between the expansion of Kakamega Forest since 1933, before the extensive clearing of the forest started and the current status (see table 1).

Table 1. Forest area [in ha] for Kakamega Forest and two associated forest areas within the official forest boundaries as gazetted since 1933 (Lung, 2004; Althof, 2005).

Area	gazetted in 1933	1984	2001
Malava	703	230	311
Kisere	458	409	433
Kakamega Forest (main forest block)	23.632	16.658	17.684

Today, Kakamega Forest is in part a National Reserve, a Nature Reserve and a Forest Reserve, and is managed by three distinct organizations: Kenya Wildlife Service (KWS) (National Reserve: Buyangu and Kisere fragments), Kenya Forest Service (Kakamega, Yala, Isecheno, Ikuywa, Malava), and Friends' Church Mission (FCM) (Kaimosi).

GEOLOGY AND SOILS

Kakamega Forest is located on the Lake Victoria Basin which was formed during the middle Pleistocene by tectonic movements. The same movements created the western arm of the Great Rift Valley system stretching from north to south throughout East Africa (White, 1983). The underlying rocks of this Lake Victoria Basin belong to the Precambrian and locally covered by younger alluvium material (Lovett & Wasser, 1993). Geologically, the subsoil is characterized by volcanic lavas, tuff, basalt, phonolites and ancient gneisses from the Kavirondian system and Nyanzian rock formation systems, which are associated with gold-bearing quartz veins (KIFCON, 1994). Such rock series have made Kakamega District the most important producer of gold in Kenya (KDDP, 1994/1996). About 56 % of the soils of Kakamega Forest are granitic in origin. These rocks are transformed into well drained, deep clay-loam, clay and sandy clay soils (ferralochromic/orthic Acrisols, humic Cambisols, mollic Nitosols). The soils belong to the latosols, more precisely to the ferrisols. They are well drained, very deep, reddish brown to yellowish red with a humic top soil (Sombroek *et al.*, 1982). Independent from the nutrient poor soil (beside the central part of the Kakamega Forest consisting of fertile Nitosols), the forest can maintain

itself by decomposing the organic material. This nutrient recycling is disrupted and the soil fertility declines when the forest is cleared and the nutrients leached out by rain.

VEGETATION

The Kakamega Forest is the most eastern remaining part of the equatorial Guineo-Congolian rainforest, which extended during Pleistocene period from West-Africa across the Congo basin. As a result of increased rainfall in Africa during that time, the rainforest stretched out eastwards and covered much more area in Uganda and Kenya than today. Due to the climatic change in the beginning of the Holocene around 10 000 years ago, the vegetation became drier and more and more isolated from the continuous main forest (KIFCON, 1994). Therefore the Kakamega Forest, the only interior mid-elevation rain forest of Kenya, is floristically strongly related to the Central and West African lowland rainforest, but is also further enriched by afromontane forest elements from the Rift Valley escarpment. Therefore the forest contains a remarkable intermix of plant diversity. As Blackett (1994) describes, the unique combination of lowland forest species, mixing with the afromontane taxa is unusual even on a continental scale. Beentje (1990) classifies Kakamega Forest as Tropical Rainforest equivalent to the Transitional Rainforest of White (1983). Floristic affinity to the afromontane forest is supported for example by *Prunus africana* and *Olea capensis*, the relationship to the West-African forest is characterized by *Englerophytum oblongatum*, and *Monodora myristica* (Hamilton, 1981; Friis, 1992; Althof, 2005).

According to the physiognomic, climatic and floristic characteristics Kakamega Forest can be defined as a multi-storey, dry peripheral semi-evergreen Guineo-Congolian transitional rainforest, with canopy heights between 20 and 35 m and some emergents which can reach heights up to 40 m (Althof, 2005). The relatively high species richness of Kakamega Forest results not only from the transitional character of the forest, but also from the variety of habitats, and corresponding ecological niches. Within the study site relatively undisturbed (nearly primary) forest, as well as disturbed, secondary forest, areas of plantation, swamps and riverine forest and natural glades are present.

Scientific research has indicated the presence of 13 different plant communities each representing a different succession stage, and which have been described by Althof (2005) and Althof & Fischer (2006). Most of Kakamega Forest consists of middle-aged secondary forest but much of the Buyangu area and the north-eastern part of the forest are characterised by very young secondary forest. Kakamega Forest is generally highly degraded and fragmented and the composition of the plant communities has been greatly influenced by past commercial logging activities and other anthropogenic disturbances (Mitchell, 2004; Bleher *et al.*, 2006; Mitchell & Schaab 2008). A true primary forest cannot be found in Kakamega (Mutangah, 1996; Althof, 2005).

The forest is developing towards a climax stage but the pattern of succession is dictated largely by former disturbances (*e.g.* Fashing *et al.*, 2004; Althof, 2005). Much

of the mature forest has been classified as *Antiaris toxicaria*—*Diospyros abyssinica*—Alliance (Althof, 2005). The two species lending their name to this alliance both represent afro-montane and Guineo-Congolian floral elements.

MATERIAL AND METHODS

Integrated into the scientific research project BIOTA Africa, several field studies, especially imbedded into several PhD and Diploma theses (Althof, 2005; Malombe, 2009; Mwachala, 2005; Rembold in prep.; Kamau in prep.; Obholzer 2010), were done by the authors since 1998. All collected plant specimens are deposited in the East African Herbarium (EA) of the National Museum of Kenya in Nairobi. We also considered and included in this study the available data from already published vascular plant checklists of Kakamega Forest (Kokwaro, 1988; Blackett, 1994; KIFCON, 1994; Mutangah, 1996; Althof 2005) (see table 2), as well as some collected material in the East African Herbarium (EA) of the National Museum of Kenya in Nairobi and in the Herbarium at Botany Department of the University of Nairobi (NAI).

The checklist includes the vascular plants recorded in the Kakamega Forest including Buyangu National Reserve, and the associated forest fragments of Malava, Kisere, Kaimosi and the Nature Reserves of Isecheno and Yala. Somewhat underrepresented in the present study are habitats like lakes, watercourses, forest canopy and in some extent glades. Thus we can expect a higher number of vascular plant species (especially epiphytes or aquatic plants) in the Kakamega Forest, than the currently recorded 986 taxa (including 111 photo records, and 83 undocumented taxa from earlier available literature and checklists *e.g.* Agnew & Agnew (1994) Kokwaro (1988) or KIFCON (1994)).

Table 2. Comparison of the total number of vascular plant taxa from different plant check-lists of Kakamega Forest.

Kokwaro (1988)	Kifcon (1994)	Blackett (1994)	Mutangah (1996)	Althof (2005)
370	39	145	193	400

TAXONOMY AND IDENTIFICATION

For plant identification standard references for the area are used (FTEA, 2010; Beentje, 1994; Agnew & Agnew, 1994; Stewart, 1996; Stewart *et al.*, 2006 for orchids). Taxonomic information from ALUKA (2010), African Plants Database (2010), and Clayton *et al.* (2009) was also used. Collected plant specimens were compared with material held in EA (East African Herbarium of the National Museum of Kenya, Nairobi).

The family circumscriptions are realigned after the updated molecular phylogenetic data by the Angiosperm Phylogeny Group (APG, 2009; Stevens, 2008; The Plant List, 2010), thus sometimes diverging from traditional concepts followed in FTEA (see

Appendix). The taxonomy and the synonyms follow the African Plants Database (2010).

CHECKLIST

Within the checklist, the families and genera of each group (pteridophytes, gymnosperms, angiosperms) are listed alphabetically and not in systematic order. For each taxon, the full authority is given (author names after Brummit & Powell, 1992), followed by the local name if known (data from Beentje (1994)) and information on growth habit, distribution (first global or African range; then for Kenya), and a cited specimen. In general all cited specimens are present in EA (East African Herbarium of the National Museum of Kenya in Nairobi) and therefore not integrated in the collector's number. In few cases the specimens are deposited at the Royal Botanical Gardens Kew and marked with (K). 189 taxa are listed without any collected herbarium specimen. This includes 111 photo records—printed pictures are available at (EA)—and 83 taxa only cited by former published checklists (Kokwaro, 1988; Blackett, 1994; KIFCON, 1994, Mutangah, 1996). Those not well documented taxa are indicated by “+” in front of the name, to characterize them as potentially occurring species, which need a proper voucher specimen. If the specimen is listed in the former checklist under a synonym, the name of the collector is indicated in brackets. An asterisk “*” in front of the name marks introduced or naturalized species.

The abbreviation of the country name follows the alpha-3 codes of ISO 3166 Maintenance Agency (ISO, 2009); continental African countries are listed first, followed by the “African Islands” *e.g.* Madagascar (MDG) or the Seychelles (SYC). The national distribution data for Kenya (KEN) are listed in rectangular brackets and show the occurrence of the taxon within the seven Kenyan floristic regions as delimited by FTEA.

The last entry for each taxon is the information about the CITES and IUCN redlist category if listed (categories: CR – Critically Endangered; EN – Endangered; VU – Vulnerable; LR/nt – Lower Risk near threatened; LR/cd – Lower Risk conservation dependent, LC – Least Concern).

RESULTS

The current checklist contains a total of 986 vascular plant taxa (81 ferns and 905 spermatophytes) that are indigenous and naturalized or introduced to Kakamega Forest. The plant records covered 129 families and 527 genera. This represents 15.2% of the total number of 6506 Kenyan vascular plant species (UNEP-WCMC, 2004).

The most species rich families are Orchidaceae (30 genera/83 species), Asteraceae (36/66), Fabaceae (31/60), Rubiaceae (30/55), Acanthaceae (20/51),

Poaceae (25/45), Lamiaceae (20/44), Euphorbiaceae (15/31), Aspleniaceae (1/23), and Cyperaceae (11/22).

Regarding the different growth forms (see table 3), more than 58.7% are herbs and 39.9% are trees, shrubs or lianas.

Table 3. Growth habit of the plants of Kakamega Forest.

Growth habit	Number of taxa	% of total
Trees	110	11.2
Small trees (tree or shrub)	127	12.9
Shrubs	56	5.7
Climbers (perennial woody) / lianas / scandent shrubs	100	10.1
Shrubby, woody herbs	61	6.2
Perennial herbs	358	36.2
Annual or (short-lived) perennial herbs	44	4.5
Annual herbs	63	6.4
Parasites (hemi- / holo-)	9	0.9
Epiphytes	52	5.3
Aquatics	1	0.1
Unknown growth habit	5	0.5

Table 4 presents an overview of the phytogeographic affinities of the flora, according to the phytochoria defined by White (1983). Only about 10.3% are elements from the Guineo-Congolian lowland rainforest; about 10.9% are of afromontane origin, and the majority of about 35.4% are widespread species distributed in tropical and subtropical Africa south of the Sahara.

Table 4. Phytogeographic affinities.

Shared taxa with / phytogeographic region	number of taxa	% of total
Kenyan Endemics (including 6 Kakamega Forest Endemics)	9	0.9
East Tropical Africa elements (Lake Victoria regional mosaic: KEN, TZA, UGA, BDI, RWA, easternmost part of COD)	37	3.8
Afromontane elements	107	10.9
Congolian elements	34	3.4
Guineo-Congolian elements	68	6.9
Sudanian elements	12	1.2
Sudano-Zambesian elements	38	3.9
Somalian-Masai elements (DJI, ERI, ETH, KEN, SOM, TZA, easternmost SDN and UGA, and southern Arabia)	6	0.6
Zambezian elements	56	5.7
Somalian-Masai and Zambezian elements	73	7.4
Sub-Saharan elements (widespread tropical - southern Africa, including MDG and Mascarenes)	350	35.4
Panafrican	8	0.8
Palaeotropical	76	7.7
Pantropical	72	7.3
Introduced / cultivated (and escaped) / naturalized	36	3.7
Unknown	4	0.4

NEW RECORDS FOR KENYA

The following eight taxa are first records for Kenya:

Aspilia africana (Asterac.) herb; *Dopatrium baoulense* (Plantaginac.) herb; *Liparis nervosa* (Orchidac.) herb; *Nervilia adolphi* (Orchidac.) herb; *Paspalum conjugatum* (Poac.) herb; *Tetracera potatoria* (Dilleniaceae) liana; *Turraea vogelioides* (Meliaceae) shrub; *Vernonia conferta* (Asteraceae) tree.

Two species will be described in near future: *Aframomum* spec. nov. (Zingiberac.) herb; *Renalmia* spec. nov. (Zingiberac.) herb.

A remarkable species recorded for the first time in Kenya and Kakamega Forest is the small tree *Vernonia conferta*. Its presence was predicted following the record of the beetle *Goliathus goliathus goliathus* L., which is distributed widely from Western to Eastern equatorial Africa and which is also present in Kakamega Forest. The Goliath beetle is known to feed mainly on the phloem sap of this species in eastern Congo, and its presence in Kakamega Forest was an indicator for the occurrence of *Vernonia conferta* which subsequently was located near Isecheno. This is the easternmost distribution of the species.

NEW RECORDS FOR KAKAMEGA FOREST

Probably first records for Kakamega Forest, until now not mentioned in the literature, are the following 59 taxa:

Ferns (6 spp.): *Pellaea doniana* (Adiantac.); *Dryopteris athamantica* (Dryopteridac.); *Dicranopteris linearis* (Gleicheniac.); *Lycopodiella cernua* (Lycopodiaceae); *Ophioglossum lancifolium* (Ophioglossac.); *Platynerium elephantotis* (Polypodiaceae).

Shrubs or trees (10 spp.): *Argomuellera macrophylla* (Euphorbiaceae); *Chrysophyllum viridifolium* (Sapotaceae); *Dissotis cryptantha* (Melastomataceae); *Fernandoa* cf. *magnifica* (Bignoniaceae); *Ficus verruculosa* (Moraceae); *Rubus keniensis* (Rosaceae); *Rubus rosifolius* (Rosaceae); *Strychnos usambarensis* (Loganiaceae); *Tetrapleura tetraptera* (Fabaceae-Mimosoid.); *Turraea abyssinica* (Meliaceae).

Climbers or lianas (7 spp.): *Connarus longistipitatus* (Connaraceae); *Cucumis aculeatus* (Cucurbitaceae); *Dregea abyssinica* (Apocynaceae); *Dregea rubicunda* (Apocynaceae); *Mucuna poggei* var. *poggei* (Fabaceae-Papilionoid.); *Oreosyce africana* (Cucurbitaceae); *Tacazzea conferta* (Apocynaceae).

Herbs (36 spp.): *Alectra rigida* (Orobanchaceae); *Alysicarpus vaginalis* var. *villosus* (Fabaceae-Papilionoid.); *Aristea alata* (Iridaceae); *Basella alba* (Basellaceae); *Biophytum abyssinicum* (Oxalidaceae); *Brachiaria scalaris* (Poaceae); *Buchnera capitata* (Orobanchaceae); *Celosia anthelminthica* (Amaranthaceae); *Crassula alsinoides* (Crassulaceae); *Crepidorrhodon rupestris* (Linderniaceae); *Cyathula uncinulata* (Amaranthaceae); *Cynoglossum lanceolatum* (Boraginaceae); *Dietes iridioides* (Iridaceae); *Disperis anthoceros* (Orchidaceae); *Helichrysum glumaceum* (Asteraceae); *Hydrocotyle ranunculoides* (Araliaceae); *Hydrocotyle sibthorpioides* (Araliaceae); *Hypoestes aristata* (Acanthaceae); *Hypoestes triflora* (Acanthaceae); *Isoglossa lactea* (Acanthaceae); *Justicia unyorensis* (Acanthaceae); *Kalanchoe crenata* (Crassulaceae); *Lindernia nummularifolia* (Linderniaceae); *Meyna tetraphylla* (Rubiaceae); *Nervilia bicarinata* (Orchidaceae);

Nervilia petraea (Orchidac.); *Nidorella resedifolia* (Asterac.); *Albuca donaldsonii* (Asparagac.); *Oxalis antielmintica* (Oxalidac.); *Polystachya bicarinata* (Orchidac.); *Rubia cordifolia* (Rubiace.); *Sebaea pumila* (Gentianac.); *Sphaeranthus suaveolens* (Asterac.); *Spermacoce radiata* (Rubiace.); *Striga elegans* (Orobanchac.); *Vernonia natalensis* (Asterac.).

The Bignoniaceae *Fernandoa* cf. *magnifica* was collected in a sterile state at Buyangu Hill. During the eight years of our study it did not bear flowers or fruits. The habit of this taxon is different from the known species of Bignoniaceae of Kakamega Forest and after cross-checking with herbarium material at the East African Herbarium (EA) of the National Museums of Nairobi (NMK) it seems to be closely related to *Fernandoa magnifica* which is only known as a coastal species in Kenya. However, several species have a similar disjunct distribution in Kenya, occurring at the coast and in the inland area only in Kakamega Forest (e.g. *Alchornea laxiflora*, *Antiaris toxicaria*, *Crepidomanes ramitrichum*, *Ctenitis cirrhosa*, *Cyrtorchis brownii*, *Ficus bubu*, *Mallotus oppositifolius*, *Monanthotaxis buchananii*, *Tristemma mauritianum*). There is evidence for the disjunct distribution of populations caused by climate change during the glacial period.

ENDEMICS

Out of nine Kenyan endemic vascular plant species occurring in Kakamega Forest, seven taxa are considered to be restricted to this forest:

Aframomum spec. nov. (Zingiberac.) herb (restricted to Kakamega Forest); *Commelina albiflora* (Commelinac.) herb (restricted to Kakamega Forest); *Croton alienus* (Euphorbiac.) tree; *Diplazium* spec. B *sensu* Verdcourt [Verdcourt, 2003] (Woodsiac.) fern (restricted to Kakamega Forest); *Isoglossa membranacea* ssp. *septentrionalis* (Acanthac.) herb (restricted to Kakamega Forest); *Monechma* spec. A *sensu* Agnew & Agnew (Agnew & Agnew, 1994) (Acanthac.) herb (restricted to Kakamega Forest); *Polyscias kikuyuensis* (Araliac.) tree; *Renealmia* spec. nov. (Zingiberac.) herb (restricted to Kakamega Forest); *Tiliacora kenyensis* (Menispermac.) liana (restricted to Kakamega Forest).

Commelina albiflora is a common but not abundant herb in older closed-canopy forests. This plant is the only consistently pure white-flowered species of *Commelina* in Kenya (Faden 1994). According to Beentje (1994) *Tiliacora kenyensis* is endemic to Kakamega Forest, but it could not be recollected by the authors. Not yet described are four species – a probably new fern (*Diplazium* spec. B *sensu* Verdcourt), *Monechma* spec. A *sensu* Agnew & Agnew and two Zingiberaceae species collected by E. Fischer (*Aframomum* spec. nov., *Renealmia* spec. nov.).

WIDESPREAD TAXA RESTRICTED IN KENYA TO KAKAMEGA FOREST

Eighty-nine taxa are widely distributed in tropical Africa, but occur in Kenya only in Kakamega Forest:

Ferns (9 spp.): *Antrophyum mannianum* (Vittariac.); *Asplenium* spp. (*A. africanum*, *A. angolense*¹, *A. blastophorum*, *A. formosum*, *A. preussii*) (Aspleniace.); *Bolbitis heudelotii* (Lomariopsidace.); *Diplazium velaminosum* (Woodsiace.); *Pteris preussii* (Pteridace.).

Shrubs or trees (31 spp.): *Acanthopale macrocarpa* (Acanthace.); *Alchornea cordifolia* (Euphorbiace.); *Anthocleista vogelii* (Gentianace.); *Baissea major* (Apocynace.); *Chrysophyllum albidum* (Sapotace.); *Chrysophyllum delevoiyi* (Sapotace.); *Clerodendrum formicarum* (Lamiace.); *Clerodendrum melanocrater* (Lamiace.); *Clerodendrum silvanum* var. *buchholzii* (Lamiace.); *Cordia millenii* (Boraginace.); *Craterispermum schweinfurthii* (Rubiace.); *Englerophytum oblanceolatum* (Sapotace.); *Entandrophragma angolense* (Meliace.); *Ficus saussureana* (Morace.); *Globimetula braunii* (Loranthace.); *Gomphia densiflora* (Ochnace.); *Gomphia likimiensis* (Ochnace.); *Maesopsis eminii* (Rhamnace.); *Monodora myristica* (Annonace.); *Mussaenda erythrophylla* (Rubiace.); *Pouteria altissima* (Sapotace.); *Premna angolensis* (Lamiace.); *Protea madiensis* (Proteace.); *Psychotria bagshawei* (Rubiace.); *Rothmannia longiflora* (Rubiace.); *Synsepalum cerasiferum* (Sapotace.); *Uvariopsis congensis* (Annonace.); *Vepris grandifolia* (Rutace.); *Voacanga thouarsii* (Apocynace.); *Zanthoxylum mildbraedii* (Rutace.); *Zanthoxylum rubescens* (Rutace.).

Climbers and lianas (15 spp.): *Acacia montigena* (Fabace.-Mimosoideae); *Adenia cissampeloides* (Passiflorace.); *Adenia schweinfurthii* (Passiflorace.); *Agelanthus brunneus* (Loranthace.); *Cissus humberthii* (Vitace.); *Coccinia barteri* (Cucurbitace.); *Entada gigas* (Fabace.-Mimosoideae); *Flabellaria paniculata* (Malpighiace.); *Illigera pentaphylla* (Hernandiace.); *Jasminum pauciflorum* (Oleace.); *Rutidea smithii* (Rubiace.); *Sericostachys scandens* (Amaranthace.); *Simirestis brianii* (Celastrace.); *Uncaria africana* ssp. *lacus-victoriae* (Rubiace.); *Ventilago diffusa* (Rhamnace.).

Herbs (34 spp.): *Achyrospermum parviflorum* (Lamiace.); *Aframomum mala* (Zingiberace.); *Aframomum subsericeum* (Zingiberace.); *Alectra alba* (Orobanchace.); *Amorphophallus calabarius* ssp. *mayoi* (Arace.); *Aneilema beniniense* (Commelinace.); *Angraecum infundibulare* (Orchidace.); *Begonia eminii* (Begoniace.); *Brachycorythis buechananii* (Orchidace.); *Bulbophyllum encephalodes* (Orchidace.); *Bulbophyllum distans* (Orchidace.); *Chlorophytum filipendulum* (Asparagace.); *Commelina capitata* (Commelinace.); *Crepis newii* (Asterace.); *Dioscorea odoratissima* (Dioscoreace.); *Dissotis brazzae* (Melastomatace.); *Eulophia galeoloides* (Orchidace.); *Habenaria egregia* (Orchidace.); *Malaxis weberbaueriana* (Orchidace.); *Melanthera scandens* ssp. *subsimplicifolia* (Asterace.); *Momordica cissoides* (Cucurbitace.); *Panicum mapalense* (Poace.); *Peperomia fernandopoiana* (Piperace.); *Phaulopsis angolana* (Acanthace.); *Piper guineense* (Piperace.); *Pollia condensata* (Commelinace.); *Pseuderanthemum ludovicianum* (Acanthace.); *Renealmia engleri* (Zingiberace.); *Sesamum angolense* (Pedaliace.); *Thonningia sanguinea* (Balanophorace.); *Triceratorhynchus viridiflorus* (Orchidace.); *Tridactyle filifolia*

¹ *Sensu* Agnew & Agnew - U.K.W.F. ed. 2: 27 (1994) the name of this plant *Asplenium angolense* is uncertain.

(Orchidac.); *Tridactyle tridentata* (Orchidac.); *Vigna triphylla* (Fabac.-Papilionoideae).

DOUBTFUL RECORDS

Twelve probably misidentified species are not included in total number of 898 vascular plant taxa:

Amorphophallus laxiflorus N.E.Br. = *Amorphophallus gallaensis* (Engl.) N.E.Br. (Arac.) (Ittenbach, 2003); perennial, seasonally dormant herb 40-100cm, inflorescence >50 cm, tuber; 5-1200m, *Acacia-Commiphora* bushland; ETH, SOM; KEN [1, 4, 7]; 100?m. Mutangah (Altitude too low for occurrence in Kakamega.)

Angraecopsis tenerrima Kraenzl.; perennial herb, epiphytic, stem 1-7cm, leaves 6-20cm long; endemic to TZA. Kokwaro (Probably based on a misidentification)

Asplenium cornutum Alston (Aspleniaceae); perennial herb; CMR, NGA; KEN [?]. Kokwaro. (Probably to be identified as *A. theciferum*, according to Beentje (2008)).

Cadaba carneo-viridis Gilg & Bened. (Capparidaceae); scandent shrub 1-3m; evergreen (secondary) bushland; TZA; KEN [7]; 30-600m. Kifcon (All Kenya material is from K7.)

Combretum illairii Engl. (Combretaceae); evergreen shrub or liana 1-5m; coastal bushland or evergreen forest; MOZ, TZA, UGA; KEN [1, 7]; 30-800m. Kifcon (Discordant altitude and all Kenya material is coastal.)

Dracaena afromontana Mildbr. (Asparagaceae); tree 2.5-7m; moist or bamboo forest; BDI, COD, ETH, MWI, RWA, SDN, TZA, UGA; KEN [1-7]; 1600-2400m. Kifcon

Dryopteris kilimensis (Kuhn) Kuntze (Dryopteridaceae); perennial herb, leaves <2m long, terrestrial; dense shade montane forest; MOZ, MWI, TZA, ZMB, ZWE; KEN [4, 5]; (1890-)2000-3000m. Mutangah. (Altitudinal amplitude discordant for occurrence in Kakamega.)

Impatiens hoehnelii T.C.E.Fries (Balsaminaceae); perennial herb <50cm; upper forest level up to treeline; endemic to KEN [2-6]; 1475-3470m. Mutangah

Mellera lobulata S.Moore (Acanthaceae); perennial shrubby herb <3m; forest understorey; CAF, ETH, MOZ, MWI, SDN, TZA, UGA, ZWE; KEN [?]. Kifcon

Nephrangis filiformis (Kraenzl.) Summerh.; perennial herb, epiphytic, pendent, leaves terete 2-9cm long; on branches of canopy; COD, LBR, TZA, UGA, ZMB; KEN [5, restricted to Kakamega Forest]. (Piers (in litt.) - probably a misidentification by Piers (pers.comm. B. Bytebier))

**Phyllanthus macrocalyx* Müll.Arg. (Phyllanthaceae); subshrub; native range IND. Kifcon

Warburgia salutaris (Canellaceae); tree or shrub 4-10(-18) m; MOZ, MWI, ZAF, ZWE. Kokwaro. (Probably misidentified and listed as *Warburgia ugandensis*)

INTRODUCED (CULTIVATED) OR NATURALIZED SPECIES

Thirty six exotic species, mostly weeds and cultivated fruit or timber trees, have been recorded for the Kakamega Forest, and marked within the checklist with an asterisk “*” in front of the name:

Acrocarpus fraxinifolius (Fabac.-Caesalpinioideae) tree; *Bidens pilosa* (Asterac.) herb; *Bischofia javanica* (Phyllanthac.) tree; *Brachiaria umbellata* (Poac.) herb; *Cestrum aurantiacum* (Solanac.) shrub; *Conyza bonariensis* (Asterac.) herb; *Cupressus lusitanica* (Cupressac.) tree; *Desmodium adscendens* (Fabac.-Papilionoid) herb; *Duranta erecta* (Verbenac.) shrub or tree; *Eucalyptus saligna* (Myrtac.) tree; *Euphorbia hirta* (Euphorbiac.) herb; *Galinsoga parviflora* (Asterac.) herb; *Grevillea robusta* (Proteac.) tree; *Kalanchoe prolifera* (Crassulac.) herb; *Lantana camara* (Verbenac.) shrub; *Lantana trifolia* (Verbenac.) shrub; *Lilium regale* (Liliac.) herb; *Oxalis latifolia* (Oxalidac.) herb; *Passiflora caerulea* (Passiflorac.) herb; *Passiflora edulis* (Passiflorac.) herb; *Passiflora subpeltata* (Passiflorac.) herb; *Persea americana* (Laurac.) tree; *Physalis peruviana* (Solanac.) shrub; *Phytolacca octandra* (Phytolaccac.) herb; *Pinus patula* (Pinac.) tree; *Pisonia aculeata* (Nyctaginac.) liana; *Plectranthus barbatus* var. *grandis* (Lamiac.) herb; *Psidium guajava* (Myrtac.) tree; *Rubus niveus* (Rosac.) shrub; *Rubus rosifolius* (Rosac.) shrub; *Senna spectabilis* (Fabac.-Caesalpinioideae) shrub; *Solanum mauritianum* (Solanac.) shrub; *Syzygium cumini* (Myrtac.) tree; *Tagetes minuta* (Asterac.) herb; *Tithonia diversifolia* (Asterac.) herb; *Tridax procumbens* (Asterac.) herb.

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REFERENCES

African Plants Database (2010) (version 3.3.2). Conservatoire et Jardin botaniques de la Ville de Genève and South African National Biodiversity Institute, Pretoria.

- <http://www.ville-ge.ch/musinfo/bd/cjb/africa/> [accessed 10 August 2010].
- Agnew, A.D.Q. (ed.) (1974). *Upland Kenya Wild Flower. A Flora of the Ferns and Herbaceous Flowering Plants of Upland Kenya*. Oxford University Press, London.
- Agnew, A.D.Q. & S. Agnew (1994). *Upland Kenya Wild Flower. A Flora of the Ferns and Herbaceous Flowering Plants of Upland Kenya*. (Second Edition). East Africa Natural History Society, Nairobi.
- Althof, A. (2005). Human impact on flora and vegetation of Kakamega Forest, Kenya—Structure, distribution and disturbance of plant communities in an East African rainforest. PhD thesis, University of Koblenz, Germany.
- Althof, A. & E. Fischer (2006). The plant communities of Kakamega Forest, Kenya—A first description and the role of human impact. *19th Annual Conference of the German Society of Tropical Ecology, University of Kaiserslautern*, Conference Contributions Abstract.
- ALUKA (2010). African Plants. - JSTOR Plant Science. <http://www.aluka.org/>; <http://plants.jstor.org/> [accessed 10 August 2010].
- Angiosperm Phylogeny Group (APG) (2009). An update of the Angiosperm Phylogeny Group classification for the orders and families of flowering plants: APG III. *Botanical Journal of the Linnean Society* **161**: 105-121.
- Beentje, H. (1990). The forests of Kenya. *Mitteilungen des Instituts fuer Allgemeine Botanik Hamburg* **23a**: 265-286.
- Beentje, H.J. (1994). *Kenya Trees, Shrubs and Lianas*. National Museums of Kenya, Nairobi.
- Blackett, H.L. (1994). Forest Inventory Report No. 3: Kakamega. Kenya Indigenous Forest Conservation Programme (KIFCON), Nairobi, Kenya.
- Bleher, B., D. Uster & T. Bergsdorf (2006). Assessment of threat status and management effectiveness in Kakamega Forest, Kenya. *Biodiversity and Conservation* **15**: 1159-1177.
- Brummitt, R.K. & C.E. Powell (1992): *Authors of Plant Names. A list of Authors of Scientific Names of Plants, with Recommended Standard Forms of their Names, including Abbreviations*. Royal Botanical Gardens, Kew.
- Clayton, W.D., K.T. Harman & Williamson, H. (2006). GrassBase - The Online World Grass Flora. <http://www.kew.org/data/grasses-db.html>. [accessed 08 November 2006]
- Dale, I.R. & P.J. Greenway (1961). *Kenya Trees and Shrubs*. Buchanan's Kenya Estates, Nairobi in association with Hatchards, London.
- Engelhard, R. (1984). Origins and Development of the Kenya Woodfuel Development Programme. Kenya Woodfuel Development Programme, Nairobi.
- Faden, R.B. (1994): New species of *Commelina* (Commelinaceae) from the Flora of Tropical East Africa. *Novon* **4**: 224-235.
- Fashing, P.J., A. Forrestel, C. Scully & M. Cords (2004). Long-term tree population dynamics and their implications for the conservation of the Kakamega Forest, Kenya. *Biodiversity and Conservation* **13**: 753-771.
- Fashing, P.J. & J.M. Gathua (2004). Spatial variability in the vegetation structure and composition of an East African rainforest. *African Journal of Ecology* **42**: 189-197.

- Flora of Tropical East Africa (FTEA) (1952–2010). Various editors and authors. Crown Agents for Oversea Governments, London and others.
- Friis, I. (1992). *Forests and Forest Trees of Northeast Tropical Africa*. Kew Bulletin Additional Series 15, London.
- Greiner, A. (1991). Nature Conservation and Local People at Kakamega Forest. ASA Project, Final Report, Stuttgart, Germany.
- Hamilton, A.C. (1981). The quaternary history of African forests: It's relevance to conservation. *African Journal of Ecology* **19**: 1-6.
- Haupt, M. (2000). *Traditional Use of and Reliance on the Forest among the Luhya People with Special Regard to the Traditional Medical System and the Use of Medicinal Plants in Kakamega Forest, Western Kenya*. Published MSc thesis. *Materialien zur Ostafrika-Forschung Vol. 24.*, University of Trier, Germany.
- International Organization for Standardization (ISO) (2009). ISO 3166 Maintenance Agency (ISO 3166/MA)—ISO's point for country codes. www.iso.org/iso/country_codes [accessed 18 May 2009].
- Ittenbach, S. (2003). Revision der afrikanischen Arten der Gattung *Amorphophallus* (Araceae). *Englera* **25**: 1-263.
- Kamau, P. (in prep.). A Systematic Revision of *Pteris* L. in Tropical Africa and its Ecology in Kakamega Forest (Kenya) and Budongo Forest (Uganda). PhD thesis, University of Koblenz, Germany.
- KDDP (1994/1996). *Kakamega District Development Plan*. Ministry of Finance and Planning, Republic of Kenya.
- Kenya Indigenous Forest Conservation Programme (KIFCON) (1994). *Kakamega Forest - The Official Guide*. Kenya Indigenous Forest Conservation Programme, Nairobi, Kenya.
- Kigomo, B.N. (1987). Some observations on regeneration trials in the Kakamega and South Nandi natural forests, Kenya. *East African Agricultural Journal* **52**: 184-195.
- Kiplagat, A.K., J. Mburu & D.N. Mugendi (2008). Consumption of non timber forest products (NTFPs) in Kakamega forest, Western Kenya: accessibility, role, value and to resident rural households. 2008 IASC Biennial International Conference 14-19 July 2008, University of Gloucestershire, Cheltenham, England. Conference Contributions online: http://iasc2008.glos.ac.uk/conference%20papers/papers/K/Kiplagat_135501.pdf
- Kokwaro, J.O. (1988). Conservation status of the Kakamega Forest in Kenya: The easternmost relic of the equatorial rainforests of Africa. *Monographs in Systematic Botany from the Missouri Botanical Garden*, **25**: 471-489.
- Lovett, J.C. & S. Wasser (1993). *Biogeography & Ecology of the Rainforests of Eastern Africa*. Cambridge University Press, Cambridge.
- Luke, Q. (2005): Annotated checklist of the plants of the Shimba Hills, Kwale district, Kenya. *Journal of East African Natural History* **94**: 5-120.
- Lung, T. (2004). Landbedeckungsänderungen im Gebiet „Kakamega Forest und assoziierte Waldgebiete“ (Westkenia) - Multispektrale Klassifikation von Landsat-Satellitenbilddaten und Auswertung mittels Methoden im Raster-GIS. *Karlsruher Geowissenschaftliche Schriften* **15**: 1-114.

- Lung, T. & G. Schaab (2006). Assessing fragmentation and disturbance of west Kenyan rainforests by means of remotely sensed time series data and landscape metrics. *African Journal of Ecology* **44**: 491-506.
- Malombe, I. (2009). Revision of *Cheilolejeunea* (Jungermanniopsida: Lejeuneaceae) in Africa and its Ecological Status in Tropical Rainforests (Kakamega and Budongo). PhD thesis, University of Koblenz, Germany.
- Mitchell, N. (2004). The exploitation and disturbance history of Kakamega Forest, Western Kenya. In B. Bleher & H. Dalitz (eds.), *BIOTA East Report No. 1*. Bielefelder Ökologische Beiträge Bd. 20, Bielefeld, Germany.
- Mitchell, N. & G. Schaab (2008). Developing a disturbance index for five East African forests using GIS to analyse historical forest use as an important driver of current land use/cover. *African Journal of Ecology* **46**: 572-584.
- Mutangah, J.G., O. Mwangangi & P.K. Mwaura (1992). A Vegetation Survey. Kakamega Forest. Kenya Indigenous Forest Conservation Programme (KIFCON), Nairobi, Kenya.
- Mutangah J.G. (1996). An Investigation of Vegetation Status and Process in Relation to Human Disturbance in Kakamega Forest, Western Kenya. PhD thesis, University of Wales Aberystwyth, UK.
- Mwachala, G. (2005). Systematics and Ecology of *Dracaena* L. (Ruscaceae) in Central, East and Southern Africa. PhD thesis, University of Koblenz, Germany.
- Nzilani, N.J. (2002). The status of *Prunus africana* (syn. *Pegium africanum* Hook.f.) in Kakamega and South Nandi forests, Kenya. *Discovery and Innovation Special Issue*: 57-67.
- Obholzer, J. (2010). Diversity of Different Grassland Habitats of Kakamega Forest. Diploma thesis, University of Bonn, Germany.
- Perez-Vera, F. (2003). *Les Orchidées de Côte d'Ivoire*. Pantinope Collection, Mèze, France.
- Rembold, K. (in prep.). Conservation Status of Endangered Species of Vascular Plants and Medicinal Plants of Kakamega Forest (Kenya) and Budongo Forest (Uganda). PhD thesis, University of Koblenz, Germany.
- Schaab, G. (2001). Comparative Analysis of Biodiversity in the Kakamega Forest (Western Kenya)—The use of GIS within the BIOTA-East Project. In *Proceedings of the Africa GIS Conference*, 5.-9. November 2001, Nairobi.
- Scully, C. (2001). The Effect of Human Disturbance on the Vegetation of Kakamega Forest, Kenya. MSc thesis, University of Columbia.
- Sombroek, W.G., H.M.H. Braun & B.J.A. van der Pouw (1982). Exploratory Soil Map and Agro-Climatic Zone Map of Kenya, 1980. Exploratory Soil Survey Report No. E1. Kenya Soil Survey, Nairobi.
- Stevens, P.F. (2008). Angiosperm Phylogeny Website. Version 9, June 2008 [and more or less continuously updated since]. www.mobot.org/MOBOT/research/APweb/ [accessed 7th May 2010].
- Stewart, J. (1996). *Orchids of Kenya*. St Paul's Bibliographies, Winchester, UK.
- Stewart, J., J. Hermans & B. Campbell (2006). *Angraecoid Orchids: Species from the African Region*. Timber Press, Portland, Oregon.

- The Plant List (2010). Version 1. Published on the Internet; <http://www.theplantlist.org/> (accessed 1st January).
- Tsingalia, M.H. (1988). Animals and the Regeneration of an African Rainforest Tree. PhD thesis, University of California, Berkely.
- Tsingalia, M.H. (1990). Habitat Disturbance, Severity and Patterns of Abundance in Kakamega Forest, Western Kenya. *African Journal of Ecology* **28**: 213-226.
- Wass, P. (1995). *Kenya's Indigenous Forests: Status, Management and Conservation*. IUCN, Gland.
- White, F. (1983). *The Vegetation of Africa, a Descriptive Memoir to Accompany the UNESCO/AETFAT/UNSO Vegetation Map of Africa*. Natural Resources Research 20. UNESCO, Paris.
- UNEP-WCMC (2004). World Conservation Monitoring Centre of the United Nations Environment Programme. Species Data. Cambridge, England. www.unep-wcmc.org [accessed 4 May 2009].

APPENDIX

Taxa according to Angiosperm Phylogeny Group (Stevens, 2008) and The Plant List, 2010:

<i>Agavaceae</i> → Asparagaceae	<i>Grewia</i> → Malvaceae
<i>Alangium</i> → Cornaceae	Hyacinthaceae → Asparagaceae
<i>Alectra</i> → Orobanchaceae	<i>Hydrocotyle</i> → Araliaceae
<i>Anagallis</i> → Myrsinaceae	<i>Hymenocardia</i> → Hymenocardiaceae
<i>Anthocleista</i> → Gentianaceae	<i>Lindernia</i> → Linderniaceae
Anthericaceae → Asparagaceae	<i>Lysimachia</i> → Myrsinaceae
<i>Ardisiandra</i> → Myrsinaceae	<i>Margaritaria</i> → Phyllanthaceae
Asclepiadaceae → Apocynaceae	<i>Mondia</i> → Apocynaceae
<i>Balanites</i> → Zygophyllaceae	<i>Nuxia</i> → Stilbaceae
<i>Bischofia</i> → Phyllanthaceae	<i>Oncoba</i> → Salicaceae
<i>Bridelia</i> → Phyllanthaceae	<i>Periploca</i> → Apocynaceae
<i>Buchnera</i> → Orobanchaceae	<i>Premna</i> → Lamiaceae
<i>Buddleja</i> → Scrophulariaceae	<i>Ritchiea</i> → Capparaceae
<i>Casearia</i> → Salicaceae	<i>Rothea</i> → Lamiaceae
<i>Celtis</i> → Cannabaceae	Ruscaceae → Asparagaceae
<i>Clerodendrum</i> → Lamiaceae	<i>Sanicula</i> → Apiaceae
<i>Crepidorrhodon</i> → Linderniaceae	<i>Secamone</i> → Apocynaceae
<i>Dombeya</i> → Malvaceae	<i>Sopubia</i> → Orobanchaceae
<i>Dopatrium</i> → Plantaginaceae	<i>Sterculia</i> → Malvaceae
<i>Dovyalis</i> → Salicaceae	<i>Striga</i> → Orobanchaceae
<i>Dracaena</i> → Asparagaceae	<i>Tacazzea</i> → Apocynaceae
<i>Drypetes</i> → Putranjivaceae	<i>Trema</i> → Cannabaceae
<i>Flacourtia</i> → Salicaceae	<i>Trimeria</i> → Salicaceae
Flacourtiaceae → Achariaceae,	<i>Triumfetta</i> → Malvaceae
Salicaceae	<i>Veronica</i> → Plantaginaceae
<i>Flueggea</i> → Phyllanthaceae	<i>Vitex</i> → Lamiaceae
<i>Gomphocarpus</i> → Apocynaceae	

ANNOTATED CHECKLIST

PTERIDOPHYTA

Adiantaceae

Adiantum hispidulum Sw.; perennial herb, leaves 15-60 cm long, terrestrial; dense shade along streams and waterfalls; Asia (IND, IDN, MYS, TWN), AUS, NZL, NFK; Africa (MWI, MOZ, TZA, ZAF; COM, MDG, MUS, REU); KEN [1, 4, 5, 7]; Faden 69/2108

Adiantum poiretii Wikstr. var. *poiretii*; perennial herb, leaves (10-)20-60(-100) cm long, terrestrial; shady moist forest; Central and South America, MEX, Caribbean, Asia (IND), Arabia and Africa (BDI, CMR, ETH, GNQ, MWI, SDN, SOM, TZA, ZAF; COM, MDG, REU, MUS); KEN [1-6]. Faden & Evans 69/2049

Adiantum thalictroides Willd. ex Schldl. = *Adiantum poiretii*

Cheilanthes bergiana Schldl.; perennial herb, leaves 30-100 cm long, terrestrial; moist shaded banks; ETH, COD, MWI, MOZ, TZA, UGA, ZAF, ZWE; MDG; KEN [3, 5, 6?, 7]. Faden & Rathbun 69/2111

Cheilanthes farinosa (Forssk.) Kaulf.; perennial herb, leaves 6-120 cm long, terrestrial rarely epiphytic; along streams, waterfalls, moist roadside banks; tropical America, Asia, Arabia and Africa (AGO, BWA, CIV, CMR, COD, ERI, ETH, GIN, GNQ, MWI, NGA, SDN, SLE, SOM, TZA, UGA, ZMB, ZWE; COM, REU); KEN [1, 3-7]. Faden & Evans 69/2048

Coniogramme africana Hieron.; perennial herb, leaves 0.5-2 m long, terrestrial; along streams and waterfalls; Africa (CMR, COD, ETH, GAB, GHA, GNQ, LBR, MWI, NGA, RWA, TZA, UGA); KEN [3-5]. Maas Geesteranus 6290

Doryopteris concolor (Langsd. & Fisch.) Kuhn var. *kirkii* (Hook.) R.E.Fr.; perennial herb, leaves <30 cm long, terrestrial; woodland; tropical Arabia (YEM); Africa (AGO, BDI, BWA, CIV, CMR, COD, ERI, ETH, GHA, GIN, MWI, MOZ, NGA, RWA, SDN, TGO, TZA, UGA, ZAF, ZMB, ZWE; COM); KEN [1, 3-7]. Maas Geesteranus 6289

Doryopteris kirkii (Hook.) Alston = *Doryopteris concolor* var. *kirkii*

Pellaea adiantoides (Bory ex Willd.) J.Sm. = *Pellaea viridis* var. *glauca*

+*Pellaea doniana* Hook.; perennial herb, leaves <19-60(-100) cm long, terrestrial; shade moist thickets, riverine forest; BDI, BEN, CIV, CMR, ETH, GAB, GHA, GNQ, LBR, MOZ, MWI, SLE, TZA, UGA, ZMB, ZWE; MDG, SYC; KEN [4, 5 (new), 6, 7; new record for Kakamega Forest]. Rembold photo record

Pellaea cf. *dura* (Willd) Hook. var. *schweinfurthii* (Hieron.) Verdc.; perennial herb, leaves <40 cm long; moist rock crevices; BDI, CAF, CMR, COD, ETH, GAB, NGA, SDN, TZA, UGA; KEN [1, 3, 4, 7]. Althof 2002/217

Pellaea schweinfurthii (Hieron.) Diels = *Pellaea dura* var. *schweinfurthii*

Pellaea viridis (Forssk.) Prantl; perennial herb 15-100 cm, leaves 4-25 cm long; terrestrial, on banks, pathsides, forest margins, among rocks in woodland; native range Asia (IND, LKA), Arabia (YEM) and Africa (AGO, BWA, COD, ETH, MOZ, MWI, NAM, SDN, SOM, TZA, UGA, ZAF, ZMB, ZWE; COM, MDG), introduced in AUS; KEN [1, 3-7]. Faden & Evans 69/2050

Pellaea viridis (Forssk.) Prantl var. *glauca* (Sim.) Sim.; perennial herb, leaves <50 cm long, terrestrial or lithophytic on rocky places in full sun; BDI, MOZ, MWI, UGA, ZAF, ZWE; MDG; KEN [3, 5, 6]. Althof & Fischer 2003/14

Aspleniaceae

Asplenium aethiopicum (Burm.f.) Bech.; perennial herb, leaves 30-66(-100) cm long, epiphytic, lithophytic or occasionally terrestrial; in leaf litter of moist forest floor, moist bushland; Central and South America, Caribbean, Australia, Asia, Arabia (DJI, YEM); Africa (BDI, CMR, ETH, GAB, GIN, GNQ, MOZ, MWI, RWA, SOM, TZA, UGA, ZAF, ZMB, ZWE; COM, MDG, REU); KEN [1-7]. Kokwaro 4316

Asplenium africanum Desv.; perennial herb, leaves 25-125 cm, epiphytic or lithophytic; AGO, BEN, CAF, CIV, CMR, COD, COG, GAB, GHA, GIN, GNQ, LBR, NGA, SLE, TZA, UGA; KEN [5, restricted to Kakamega Forest along Yala River]. Faden *et al.* 70/39

Asplenium angolense Baker; perennial herb, leaves <30 cm long, terrestrial or epiphytic; dense shade in moist forests; AGO; KEN [5, restricted to Kakamega Forest]. Faden *et al.* 70/1

Asplenium blastophorum Hieron.; perennial herb, leaves 25-80 cm long, lithophytic or terrestrial; moist forest on wet rocks in deep shade; CIV, CMR, MOZ, MWI, SDN, TGO, TZA, ZAF, ZMB, ZWE; MDG; KEN [5, restricted to Kakamega and Malava Forest]. Faden & Evans 69/2040

Asplenium buettneri Hieron. ex Brause; perennial herb, leaves 25-45 cm long, lithophytic or terrestrial; dense shade in dry and riverine or moist intermediate forests; BDI, CIV, CMR, COD, ETH, GAB, GNQ, MWI, MOZ, TGO, TZA, UGA, ZMB; MDG; KEN [1, 3, 4, 5, 7]. Althof 2002/179

Asplenium cf. *bugoiense* Hieron.; perennial herb, leaves 35-70 cm long, terrestrial occasionally low epiphytic or lithophytic; dense shade, usually near streams, in moist forests; ETH, RWA, TZA, UGA; KEN [3-5, Kaimosi Forest]. Gillett 16703

Asplenium ceii Pic.Serm.; perennial herb, leaves 13-45 cm long, epiphytic; dense shade in moist forests; BDI, ETH, MOZ, MWI, SDN, TZA, UGA, ZWE; KEN [3, 5]. Gilbert & Mesfin 6671

Asplenium christii Hieron.; perennial herb, leaves <50 cm long, terrestrial occasionally low epiphytic or lithophytic; dense shade in moist, forests; MOZ, TZA, UGA, ZAF, ZWE; KEN [3, 5; 7]. Faden & Faden 77/920

Asplenium dregeanum Kunze; perennial herb, leaves 25-50 cm long, terrestrial or lithophytic; on moist boulders in dense shade; BDI, CIV, CMR, ETH, GAB, GIN, GNQ, LBR, MOZ, MWI, NGA, SLE, TZA, UGA, ZAF, ZMB, ZWE; COM, MDG; KEN [3-7]. Faden & Rathbun 69/2103

Asplenium elliottii C.H.Wright; perennial herb, often gregarious, leaves 30-140 cm long, terrestrial or low epiphytic; moist montane forest, bamboo zone; BDI, CMR, COD, ETH, RWA, TZA, UGA; MDG; KEN [3-7]. Faden *et al.* 69/2015

Asplenium erectum Bory ex Willd.; perennial herb, leaves 15-50 cm long, terrestrial or epiphytic; dense shade, seasonally moist forest, bamboo zone; Asia (IND, LKA) and Africa (BDI, CMR, ETH, GNQ, MOZ, MWI, RWA, SWZ, TZA, UGA, ZAF, ZMB, ZWE; MDG, MUS, REU); KEN [3-7]. Faden 69/1998

Asplenium formosum Willd.; perennial herb, leaves 10-35 cm long, lithophytic or low-epiphytic or terrestrial; partially shaded rock crevices; Central and South America,

- Asia (IND, LKA) and Africa (BDI, CIV, CMR, ETH, GAB, GHA, LBR, MOZ, MWI, NGA, SDN, SLE, TGO, TZA, UGA, ZMB, ZWE; MDG); KEN [5, restricted to Kakamega Forest along Isiukhu River]. Faden & Rathbun 69/2113
- Asplenium* cf. *gemmaferum* Schrad.; perennial herb, leaves 60-120 cm long; terrestrial, on humous-covered boulders in deep shade in forest; BDI, CMR, COD, COG, GNQ, MOZ, MWI, RWA, TZA, UGA, ZAF, ZWE; MUS; KEN [1, 4-7]. Althof 2003/54
- Asplenium inaequilaterale* Willd.; perennial herb, leaves 16-50 cm long, epilithic or terrestrial; dense shade in moist forests, near rivers; CMR, ETH, GAB, GNQ, LBR, MOZ, MWI, RWA, TZA, UGA, ZAF, ZMB, ZWE; COM, MDG, REU; KEN [3-5, 7]. Faden & Faden 77/828
- Asplenium lividum* Mett. ex Kuhn; perennial herb, leaves <56 cm long, lithophytic; dense shade in riverine and moist intermediate forests on humus-covered boulders; tropical America (VEN) and Africa (AGO, CMR, GNQ, MOZ, MWI, TZA, UGA, ZAF, ZMB, ZWE; MDG, REU); KEN [3-6]. Faden *et al.* 69/2006
- Asplenium lunulatum* Sw. ssp. *erectum* (Bory ex Willd.) Baker = *Asplenium erectum*
- Asplenium macrophlebium* Baker; perennial herb, leaves 15-60 cm long, terrestrial; moist intermediate forest; CIV, CMR, COD, GAB, GIN, GNQ, LBR, SDN, TZA, UGA; KEN [3, 5, 7]. Faden *et al.* 69/1999
- Asplenium mannii* Hook.; perennial herb, leaves 2-16 cm (proliferous stolon-like leaves 2-50 cm) long, epiphytic; in shade in moist intermediate and montane forest; BDI, CMR, ETH, GAB, GNQ, MWI, MOZ, RWA, SLE, TZA, UGA, ZMB, ZWE; MDG; KEN [4-7]. Faden & Evans 69/2044
- +*Asplenium megalura* Hieron.; perennial herb, leaves <50 cm long, epiphytic or lithophytic; moist intermediate and montane forests; BDI, CIV, CMR, GAB, GNQ, LBR, MWI, MOZ, RWA, SDN, SLE, TZA, ZMB; KEN [3-5?]. Kifcon
- Asplenium preussii* Hieron.; perennial herb, leaves <60 cm long, terrestrial or lithophytic; dense shade near streams, moist intermediate forest. CMR, COD, GNQ, LBR, MOZ, MWI, SLE, TZA, UGA, ZAF, ZWE; MDG; KEN [5, restricted to Kakamega and Kaimosi]. Faden *et al.* 2018
- Asplenium protensum* Schrad.; perennial herb, leaves <60 cm long, terrestrial or low-level epiphytic or lithophytic; moist montane and intermediate forest; tropical Arabia and Africa (BDI, CMR, ETH, GNQ, MOZ, MWI, RWA, TZA, UGA, ZAF, ZMB, ZWE; MDG, MUS, REU); KEN [2-7]. Gilbert & Mesfin 6675
- Asplenium pseudoauriculatum* Schelpe = *Asplenium preussii*
- Asplenium sandersonii* Hook.; perennial herb, leaves <15 cm long, gregarious epiphyte; montane moist forest, occasionally in moister spots in dry forests; BDI, CMR, COD, ETH, GAB, GNQ, MOZ, MWI, RWA, TZA, UGA, ZAF, ZWE; COM, MDG, REU; KEN [3-6?]. Faden & Evans 69/2033
- Asplenium theciferum* (Kunth) Mett. var. *concinnum* (Schrad.) Schelpe; perennial herb, leaves <35 cm long, epiphytic; in moist intermediate forests and bamboo zone, often growing on isolated trees or clumps of trees; tropical America and Africa (AGO, BDI, CMR, COD, ETH, GAB, GNQ, MOZ, MWI, RWA, SWZ, TZA, UGA, ZAF, ZMB, ZWE; COM, MDG, REU); KEN [1-7]. Kokwaro 3090
- Asplenium unilaterale* Lam.; perennial herb, leaves 20-30 cm long; lithophytic or terrestrial in deep shade on wet rocks, along streams and near waterfalls; tropical Asia (CHN, IDN, MYS, PNG, PHL), AUS and Africa (CMR, COD, GAB, ETH,

GHA, GNQ, LBR, NGA, TZA, UGA, ZWE; COM, MDG, REU; KEN [3-6].
Faden *et al.* 69/1989

Dennstaedtiaceae

+*Histiopteris incisa* (Thunb.) J.Sm.; perennial herb, leaves 0.6-2 m long, terrestrial; glades, clearings in bamboo zone; pantropical; KEN [3?, 5-7]. Mutangah

Microlepia speluncae (L.) T.Moore; perennial herb, leaves (0.45-)1.5-3 m long, terrestrial; open swampy spots in forest, rocky places and crevices; pantropical; KEN [3?, 5-7]. Faden 69/2036

+*Pteridium aquilinum* (L.) Kuhn ssp. *aquilinum*; perennial herb, leaves 15-40 (-100) cm long, terrestrial; grasslands, forest margins; almost cosmopolitan, pantropical at higher altitude, temperate North America and Europe; KEN [3-7]. Kokwaro

Dryopteridaceae

Ctenitis cirrhosa (Schumach.) Ching; perennial herb, leaves 20-45 cm long, terrestrial; moist forest, often near streams; CIV, CMR, GNQ, MWI, SLE, TZA, UGA, ZMB, ZWE; COM, MDG; KEN [5, 7]. Faden *et al.* 69/1981

Cyrtomium caryotideum (Wall. ex Hook. & Grev.) C.Presl var. *micropterum* (Kunze) C.Chr.; perennial herb, leaves 8-29 cm long, terrestrial, less often epiphytic or lithophytic; (riverine) forest, plantation; Asia (CHN, IDN, JPN, TWN) and Africa (ETH, MWI, TZA, UGA; MDG; KEN [5]. Faden & Rathbun 69/2105

Didymochlaena truncatula (Sw.) J.Sm.; perennial herb, leaves 0.7-2.1 m long, terrestrial; pantropical; KEN [4-7]. Maas Geesteranus 6292

Dryopteris athamantica (Kunze) Kuntze; perennial herb, leaves <1.3 m long, terrestrial or epiphytic or lithophytic; (wooded) grassland, near water or shade of rocks; AGO, BDI, CMR, ETH, GAB, NGA, SLE, TZA, UGA, ZAF, ZMB; KEN [3, 5; new record for Kakamega Forest]. Faden & Evans 69/2054

Dryopteris manniana (Hook.) C.Chr.; perennial herb, leaves <1 m long, terrestrial; moist (riparian) forest; CAF, CIV, CMR, GIN, GNQ, LBR, MOZ, MWI, NGA, SLE, RWA, TZA, UGA, ZWE; MDG; KEN [4, 5, 7]. Faden 69/1991

Phanerophlebia caryotideum (Wall. ex Hook. & Grev.) Copel. var. *micropteris* (Kunze) Tardieu = *Cyrtomium caryotideum* var. *micropterum*

Tectaria gemmifera (Fée) Alston; perennial herb, leaves <1.8 m long, terrestrial; moist forest, near streams, tropical Arabia and Africa (AGO, BDI, COD, ETH, MWI, RWA, SDN, SWZ, TZA, UGA, ZAF; COM, MDG); KEN [1, 3-7]. Faden 70/13

Gleicheniaceae

+*Dicranopteris linearis* (Burm.f.) Underw.; perennial herb, terrestrial, leaves 1-1.8 m long; in exposed habitats, usually on disturbed soil, on roadside banks, often associated with *Lycopodiella cernua*; palaeotropical and AUS, Polynesia; KEN [1?, 3, 4, 5 (new), 7; new record for Kakamega Forest]. Fischer photo record

Hymenophyllaceae

Crepidomanes chevalieri (H.Christ) Ebihara & Dubuisson; small perennial herb, epiphytic or lithophytic, leaves <5 cm long; moist forests; CAF, COD, GIN, LBR, TZA; KEN [4-7]. Gillett 16689

Crepidomanes melanotrichum (Schltdl.) J.P.Roux; perennial herb, lithophytic or low-level epiphytic usually on tree trunks, leaves <7.5 cm long; wet places in dry

- forests, uncommonly on rocks in wet forests; AGO, CAF, CIV, CMR, COD, ETH, MOZ, MWI, NGA, SLE, TZA, ZAF; MDG; KEN [1-7]. Gilbert & Mesfin 6672
- Crepidomanes ramitrichum* (R.B.Faden) Beentje; small perennial herb, low epiphyte or lithophyte, leaves <2.5 cm long; moist forest especially near water, or on rocks by falls; BDI, COD, MOZ, RWA, TZA, UGA, ZMB, ZWE; KEN [5, 7]. Faden & Evans 69/2045a
- Trichomanes chevalieri* H.Christ = *Crepidomanes chevalieri*
- Trichomanes melanotrichum* Schltdl. = *Crepidomanes melanotrichum*
- Trichomanes pyxidiferum* L. var. *melanotrichum* (Schltdl.) Schelpe = *Crepidomanes melanotrichum*
- Trichomanes ramitrichum* R.B.Faden = *Crepidomanes ramitrichum*
- Vandenboschia melanotricha* (Schltdl.) Pic.Serm. = *Crepidomanes melanotrichum*

Lomariopsidaceae

- Bolbitis heudelotii* (Bory ex Fée) Alston; perennial herb, aquatic lithophytic, leaves 30-85 cm long; on deeply shaded rocks in rivers, with the sterile leaves often submerged; AGO, BEN, CAF, CIV, CMR, COD, ETH, GAB, GHA, GIN, LBR, MWI, MLI, MOZ, NGA, SEN, SLE, TZA, TGO, UGA, ZAF, ZMB, ZWE; KEN [5; restricted to Kakamega Forest (Isiukhu River)]. Faden 69/2101
- Lomariopsis warneckeii* (Hieron.) Alston; perennial herb, terrestrial or low epiphytic, leaves <1 m long; deep shade in moist forest; GNQ, MOZ, MWI, TZA, UGA, ZWE; KEN [4, 5, 7]. Faden, Evans & Bally 72/195

Lycopodiaceae

- +*Lycopodiella cernua* (L.) Pic. Serm.; perennial terrestrial herb with Christmas-tree-like ascending shoots <1.8 m long; roadsides, disturbed ground, swamp edges, in full sun, often together with the *Dicranopteris linearis*; throughout tropics and subtropics; KEN [3, 4, 5 (new); 6, 7; new record for Kakamega Forest]. Fischer photo record

Marattiaceae

- Marattia fraxinea* Sm.; perennial herb (1-)2.5-4 m, rhizome an erect caudex <40 cm, leaves 1.5 m long, terrestrial; moist forests along streams; Asia (IDN, PHL), AUS, NZL, Polynesia and Africa (AGO, BDI, CIV, CMR, COD, ETH, GAB, GHA, GIN, GNQ, LBR, MWI, NGA, SLE, TZA, UGA, ZAF, ZWE; COM, MDG, MUS, REU); KEN [4, 5, 7]. Maas Geesteranus 6281

Oleandraceae

- Arthropteris orientalis* (J.F.Gmel.) Posth.; perennial herb, leaves 25-40 cm long, lithophytic, terrestrial or rarely epiphytic; forests or thickets; tropical Arabia (YEM), Africa (AGO, BDI, CIV, CMR, COD, ETH, GAB, GIN, GNQ, LBR, MOZ, MWI, NGA, RWA, SLE, SDN, TZA, UGA, ZAF, ZMB, ZWE; MDG, MUS, REU); KEN [1, 3-7]. Tweedie 3421
- Nephrolepis undulata* (Afzel. ex Sw.) J.Sm. var. *undulata*; perennial herb, leaves (15-)35-100(-150) cm long, deciduous in dry season, lithophytic or epiphytic, but mostly terrestrial; dense colonies in forest or moist thickets; Asia (IND, THL) and Africa (BDI, BEN, CAF, CIV, CMR, COD, CPV, ETH, GAB, GIN, GNQ, LBR,

MOZ, MWI, NGA, RWA, SEN, SLE, TGO, TZA, UGA; ZMB, ZWE; COM, MDG, MUS, REU; KEN [3, 5]. Gardner in FD 1037

Ophioglossaceae

Ophioglossum lancifolium C.Presl; grass-like perennial herb, leaves <9 cm, terrestrial; seasonally waterlogged depressions in grassland and rocky outcrops; MWI, TZA, UGA, ZMB, ZWE; COM, CPV, MDG, MUS; KEN [3, 4, 5 (new), 7; new record for Kakamega Forest]. Obholzer 88-208

Polypodiaceae

Drynaria volkensii Hieron.; perennial herb, leaves 30-100 cm long, epiphytic; moist montane forests, occasionally on isolated trees in cultivated, formerly forested areas; BDI, CMR, COD, ETH, GHA, GNQ, MOZ, MWI, RWA, SDN, SOM, TZA, UGA, ZMB; KEN [3-5]. Faden & Evans 69/258

Loxogramme abyssinica (Baker) M.G.Price; perennial herb, leaves 5.5-35 cm long, epiphytic or lithophytic; forest; tropical Arabia and Africa (AGO, CMR, ETH, GAB, GIN, GNQ, MOZ, RWA, SWZ, TZA, UGA, ZAF; COM, MDG); KEN [1, 3-7]. Verdcourt 1672

Loxogramme lanceolata (Sw.) C.Presl *sensu* Agnew U.K.W.F. ed. 1: (1974) = *Loxogramme abyssinica*

+*Platyserium elephantotis* Schweinf.; perennial herb, leaves 30-75cm long, epiphytic or rarely lithophytic; AGO, BDI, CAF, CIV, CMR, COD, COG, GAB, ETH, LBR, MOZ, MWI, NGA, RWA, SDN, SLE, SEN, TZA, UGA, ZMB; KEN [1, 3, 5 (new), 7; new record for Kakamega Forest]. Rembold photo record

Pleopeltis macrocarpa (Bory ex Willd.) Kaulf.; perennial herb, leaves 10-20 cm long, epiphytic or lithophytic; (riverine) forests, bamboo zone; tropical South America, Caribbean, Asia (IND, LKA) and Africa (AGO, BDI, CMR, COD, ETH, MOZ, MWI, RWA, SLE, TZA, UGA, ZAF, ZMB, ZWE; COM, MDG, MUS, REU); KEN [1-7]. Lucas 91

Pyrrhosia schimperiana (Kuhn) Alston; perennial herb, leaves (6-)11-40 cm long, epiphytic, lithophytic or rarely terrestrial; riverine forests; AGO, BDI, CAF, CMR, COD, ETH, GAB, GIN, MOZ, MWI, NGA, SDN, TZA, UGA, ZAF, ZMB, ZWE; KEN [1, 3-6]. Gilbert 68/48

Pteridaceae

Pteris buehnanii Sim; perennial herb, leaves 0.5-1(-2) m long, terrestrial; deep shade in forests; ETH, TZA, UGA, ZAF, ZWE; KEN [4, 5]. Faden & Rathbun 69/2096

Pteris catoptera Kunze; perennial herb, leaves (0.25-)1-1.5(-2.5) m long, terrestrial; forest, bamboo zone; tropical Arabia (YEM) and Africa (AGO, CAF, CIV, CMR, COD, COM, ETH, GMB, GHA, GIN, GNQ, LBR, MLI, MOZ, MWI, NGA, SDN, SEN, SLE, SWZ, TGO, ZAF, TZA, UGA, ZMB, ZWE; MDG; KEN [1-7]. Althof 2003/61

Pteris catoptera Kunze var. *friesii* (Hieron.) Verdc.; perennial herb, leaves (0.25-)1-1.5(-2.5) m long, terrestrial; swamp, swamp forest; tropical Arabia; tropical Arabia (YEM) and Africa (AGO, CMR, COD, GAB, GIN, LBR, MWI, MOZ, NGA, RWA, SDN, SLE, SWZ, ZAF, ZMB, ZWE, TZA, UGA; MDG; KEN [3-5, 7]. Faden & Evans 69/2042

Pteris cretica L.; perennial herb, leaves 0.45-1.2 m long, terrestrial; dry or moist shady montane forests, usually on streambanks; palaeotropical and South Europe; KEN [2-6]. Kamau 50

Pteris dentata Forssk.; perennial herb, leaves 0.15-2.1 m long, terrestrial or rarely epiphytic; moist shady habitats, woodland, particularly abundant in open *Podocarpus latifolius* forests and in some pine plantations; Arabia (SAU) and Africa (AGO, BDI, COD, ETH, GHA, GNQ, MWI, RWA, SDN, TZA, UGA, ZAF, ZMB, ZWE; CPV, MDG, MUS); KEN [1, 3-7]. Faden 70/43

Pteris friesii Hieron. = *Pteris catoptera* var. *friesii*

Pteris mohasiensis Hieron. = *Pteris catoptera* var. *friesii*

Pteris preussii Hieron.; perennial herb, leaves (0.5-)1-2 m long, terrestrial; dense shade in montane forests; CMR, TZA, UGA; KEN [2?, 5, restricted to Kakamega Forest]. Faden *et al.* 69/2010

Pteris peridioides (Hook.) Ballard; perennial herb, leaves 0.5-1.5 m long, terrestrial; dense shade in forests; BDI, CMR, ETH, GNQ, LBR, MOZ, TZA, UGA, ZMB, ZWE; MDG; KEN [1, 4-6]. Faden 69/2038

Pteris vittata L.; perennial herb, leaves 0.75-1.8 m long, terrestrial or lithophytic; rock crevices (in streams); native range palaeotropical and AUS, Polynesia, introduced into New World tropics; KEN [2-7]. Faden *et al.* 70/24

Selaginellaceae

Selaginella kraussiana (Kunze) A.Braun; creeping perennial herb 15-30 cm; wet forest floor, bamboo zone; BDI, CMR, COD, ETH, GNQ, MOZ, MWI, RWA, SDN, SLE, TZA, UGA, ZAF, ZWE; naturalized in AUS, NZL, America (USA, MEX, BRA) and Europe (PRT, ESP, FRA, IRL); KEN [3-7]. Faden *et al.* 70/30

Thelypteridaceae

+*Amauropelta bergiana* (Schltdl.) Holttum var. *bergiana*; perennial herb, leaves 35-110 cm long, terrestrial; along streams in moist montane forest up to bamboo zone, also occurring in deep leaf-litter; CMR, COD, ETH, GNQ, MOZ, MWI, SDN, TZA, ZMB, ZWE; MDG; KEN [4, 5, 7]. (Mutangah)

Christella dentata (Forssk.) Brownsey & Jermy; perennial herb, leaves 0.4-1.5(-2) m long, terrestrial; along streams and wet places in forests, mostly in partial shade but also in full sun; native range Old World tropics and subtropics reaching into Spain, introduced in parts of tropical America; KEN [2-5, 7]. Faden *et al.* 69/1979

Christella gueinziana (Mett.) Holttum; perennial herb, leaves <34 cm long, terrestrial; shaded or exposed stream-banks, wet places (e.g. moist roadside banks), but apparently absent from undisturbed forests or open marshes; AGO, COD, ETH, MOZ, MWI, SDN, TZA, ZAF, ZMB, ZWE; MDG; KEN [3-6?]. Faden *et al.* 70/21

Christella hispidula (Decne.) Holttum; perennial herb, leaves 30-100(-120) cm long, terrestrial; among rocks and boulders along streams in moist forests; pantropical; KEN [4, 5, 7, Kakamega Forest along Yala River]. Faden *et al.* 69/2012

Cyclosorus dentatus (Forssk.) Ching = *Christella dentata*

Cyclosorus madagascariensis (Fée) Ching = *Pneumatopteris unita*

Cyclosorus quadrangularis (Fée) Tardieu = *Christella hispidula*

Pneumatopteris unita (Kunze) Holttum; perennial herb, leaves 0.9-3.6 m long, terrestrial; along streams in moist montane forests, bamboo zone; COD, ETH, GNQ, MOZ, SLE, TZA, ZAF, ZWE; MDG; KEN [3-5, 7]. Althof 2003/12

Pseudocyclosorus pulcher (Bory ex Willd.) Holttum; perennial herb, leaves 0.8-2 m long, terrestrial; streambanks in light shade; CAF, CMR, COD, ETH, MWI, TZA, UGA, ZWE; COM, MDG, MUS, REU; KEN [3-5]. Faden *et al.* 70/25

Thelypteris bergiana (Schltdl.) Tardieu = *Amauropelta bergiana*

Thelypteris dentata (Forssk.) E.P.St.John = *Christella dentata*

Thelypteris gueinziana (Mett.) Schelpe = *Christella gueinziana*

Thelypteris hispidula (Decne.) C.F.Reed = *Christella hispidula*

Thelypteris longicuspis (Baker) Schelpe = *Pseudocyclosorus pulcher*

Thelypteris madagascariensis (Fée) Ching = *Pneumatopteris unita*

Thelypteris quadrangularis (Fée) Schelpe = *Christella hispidula*

x*Christmatopteris holttumii* N.Quansah & D.S.Edwards; hybrid parentage *Christella dentata* × *Pneumatopteris afra*; perennial herb, leaves 60-110 cm long, terrestrial; CMR, GHA, LBR, NGA, SLE, TZA, UGA; KEN [5, 7, Kakamega Forest (Kibiri)]. Faden *et al.* 70/23

Vittariaceae

Antrophyum mannianum Hook.; perennial herb, leaves 11-45 cm long, epiphytic; on rocks, tree trunks in dense shade near streams, moist forests; BDI, CMR, COD, ETH, GAB, GIN, GNQ, LBR, MOZ, RWA, SLE, TZA, UGA; KEN [5, restricted to Kakamega Forest]. Faden *et al.* 69/2027

Woodsiaceae

Athyrium scandicinium (Willd.) C.Presl. ssp. *newtonii* (Baker) Verd.; perennial herb, leaves 0.15-2 m long, terrestrial; bamboo zone, montane forest, ericaceous zone; MOZ, MWI, SDN, SWZ, TZA, UGA, ZAF, ZWE; MDG, REU; KEN [3-5]. Faden *et al.* 69/1977

Deparia boryana (Willd.) M.Kato = *Dryothyrium boryanum*

Diplazium spec.B sensu Verdcourt [FTEA 2003]; perennial herb, leaves <1 m long, terrestrial; dense shade moist forest; endemic to KEN [5, endemic to Kakamega Forest]. Faden *et al.* 69/1976

Diplazium velaminosum (Diels) Pic.Serm.; perennial herb, leaves 1.2-1.8 m long, terrestrial; dense shade swampy places in moist forest; CMR, GIN, LBR, UGA; KEN [5, restricted to Kakamega Forest, Kibiri Block]. Faden *et al.* 70/10

Dryothyrium boryanum (Willd.) Ching; perennial herb, leaves 0.6-2 m long, terrestrial; along streams in moist forest; tropical to temperate Asia (CHN, IND to MYS) and Africa (CMR, ETH, GNQ, MOZ, NGA, RWA, TZA, UGA, ZAF, ZWE; COM, MDG, REU); KEN [3-6]. Faden *et al.* 70/2

SPERMATOPHYTA GYMNOSPERMAE

Cupressaceae

**Cupressus lusitanica* Mill.; evergreen tree 25-30 m; timber plantation; native range MEX, Central America, cultivated throughout the tropics; KEN [1-7?]. Althof *s.n.*

Pinaceae

**Pinus patula* Schltdl. & Cham.; tree 40 m; timber plantations; native range MEX, cultivated throughout the tropics; KEN [1-7?]. Althof *s.n.*

ANGIOSPERMAE**Acanthaceae**

Acanthopale macrocarpa Vollesen; shrub or (woody) perennial herb <5 m; moist forest understorey; UGA; KEN [5; restricted to Kakamega Forest]. Drummond & Hemsley 4772

Acanthopale pubescens (Lindau ex Engl.) C.B. Clarke; shrub or (woody) perennial herb 0.3-3(-5) m; moist forest understorey; BDI, COD, ETH, MOZ, MWI, RWA, SDN, TZA, UGA, ZWE; KEN [1, 3-5]. Drummond & Hemsley 4773

Acanthus eminens C.B. Clarke; shrub or (woody) perennial herb 1-5 m; moist or dry forest, also among bamboo; ETH, SDN, TZA, UGA; KEN [2-6]. Kokwaro 4329 EA

Acanthus polystachyus Delile; *Marakalu* (Luhya), *Otagalo/Otako* (Luo); shrub or (woody) perennial herb 1-5 m; forest clearings, wooded grassland; BDI, COD, ETH, RWA, SDN, TZA, UGA; KEN [1, 3, 5]. Drummond & Hemsley 4759

Acanthus pubescens (Thomson ex Oliv.) Engl = *Acanthus polystachyus*

Anisotes pubinervis (T. Anderson) Heine = *Metarungia pubinervia*

Asystasia gangetica (L.) T. Anderson; perennial (or annual) herb <1 m; forest, riparian zones, (secondary) grassland, agricultural areas; native range palaeotropical, introduced into tropical America; KEN [1-7]. Gilbert & Mesfin 6605

Asystasia mysorensis (Roth) T. Anderson; annual (rarely short-lived perennial) herb <80 cm; grassland, bushland, often in disturbed places, abundant weed; Asia (IND), eastern to southern Africa (BDI, BWA, ETH, NAM, SDN, TZA, ZAF); KEN [1-7]. Lucas 116

Asystasia schimperi T. Anderson = *Asystasia mysorensis*

Barleria ventricosa Hochst. ex Nees; perennial herb <1 m; forest undergrowth; ERI, ETH, RWA, TZA, UGA; MDG; KEN [2-6]. Verdcourt 1654

Brillantaisia cicatricosa Lindau; perennial herb or shrub <5 m; wet montane evergreen forest, forest margins, along streams; BDI, COD, MOZ; MWI, RWA, SDN, TZA, UGA, ZMB, ZWE; KEN [3, 5]. Drummond & Hemsley 4768

Brillantaisia madagascariensis T. Anderson ex Lindau; perennial herb <2 m; forest understorey on damp places; BDI, CMR, COD, ETH, GAB, GIN, LBR, RWA, SDN, TZA, UGA, ZMB; MDG; KEN [5]. Verdcourt 1656

Brillantaisia nyanzarum Burkill = *Brillantaisia owariensis*

Brillantaisia owariensis P. Beauv.; perennial herb <2(-4) m; dense shade along streams and forest understorey; AGO, BEN, CIV, CMR, COD, ETH, GAB, GHA, GNQ, LBR, NGA, RWA, SDN, SLE, TZA, UGA; KEN [3, 5]. Kokwaro 4335

Brillantaisia vogeliana (Nees) Benth.; perennial herb <1.5 m; forest understorey; CAF, CMR, GAB, GHA, GNQ, NGA, SDN, UGA; KEN [5]. Verdcourt 1683

Dicliptera elliotii C.B. Clarke; decumbent herb <30 cm; BEN, CAF, CIV, CMR, COD, GAB, GHA, GIN, GNQ, LBR, MLI, MOZ, NGA, SLE, TZA; KEN [?]. Malombe & Morawetz 950

- Dicliptera laxata* C.B. Clarke; scrambling perennial shrub or woody herb <1 m; forest understorey; BDI, CMR, COD, ETH, MWI, NGA, SDN, TZA, UGA; KEN [1-7]. Magogo 1532
- +*Dyschoriste hildebrandtii* (S. Moore) S. Moore; perennial herb or shrub <1 m; *Acacia-Commiphora* or *Combretum* woodland and grassland; BWA, ETH, MOZ, MWI, SOM, TZA, ZAF, ZMB, ZWE; KEN [1, 3, 4, 6, 7]. (Kokwaro)
- Dyschoriste multicaulis* (A. Rich.) Kuntze; perennial herb <75 cm; ETH; KEN [3-6]. Paulo 523
- +*Dyschoriste nagchana* (Nees) Bennet; perennial woody herb or small shrub 30-65 cm; wet grassland, swamp, riverbanks, riverine forest, roadside, old cultivations; tropical Arabia, Asia and Africa (CIV, CMR, COD, EGY, ETH, GHA, GIN, LBR, MOZ, NAM, NGA, SDN, SLE, TGO, TZA, UGA, ZAF, ZWE); KEN [3-7]. (Kokwaro)
- Dyschoriste nobilior* C.B. Clarke = *Dyschoriste hildebrandtii*
- Dyschoriste perrottetii* (Nees) Kuntze = *Dyschoriste nagchana*
- +*Dyschoriste radicans* Nees; spreading, creeping semi-woody perennial herb (rarely shrub) 10-80 cm; open and wooded grassland; tropical Arabia and Africa (BDI, CMR, ERI, ETH, GMB, MLI, NGA, RWA, SDN, SOM, TZA, UGA, ZAF, ZWE); KEN [1-6]. Kokwaro
- Eremomastax speciosa* (Hochst.) Cuf.; perennial herb <1.3(-2) m; riverine forest; BEN, CAF, CIV, CMR, COD, ETH, GAB, GNQ, LBR, NGA, SDN, SLE, TGO, TZA, UGA; MDG; KEN [3, 5]. Bally 13679
- Hygrophila auriculata* (Schumacher) Heine = *Hygrophila schulli*
- Hygrophila schulli* (Buch.-Ham.) M.R. Almeida & S.M. Almeida; annual herb <1.3 (-1.8)m; Asia (IND) and tropical Africa (BDI, BEN, BFA, CIV, CMR, ERI, ETH, GHA, GMB, GNB, MLI, MOZ, MWI, NGA, RWA, SDN, SEN, TCD, TGO, TZA, UGA; ZAF, ZMB; MUS); KEN [1, 3-5, 7]. Obholzer & Fischer s.n.
- Hypoestes aristata* (Vahl) Sol. ex Roem. & Schult.; perennial herb <1.5 m; forest, thicket and margins of relict forest patches, clearings; BDI, CIV, CMR, COD, ETH, GAB, GNQ, MOZ, MWI, NGA, TZA, UGA, ZAF, ZWE; KEN [1, 3-7; new record for Kakamega Forest]. Malombe *et al.* 1341
- Hypoestes cancellata* Nees; perennial? herb 30-90 cm; AGO, BDI, BEN, BFA, CAF, CIV, CMR, COD, GIN, GNB, NGA, RWA, SEN, SLE, TZA; KEN [?]. Obholzer & Fischer s.n., Fischer photo record
- +*Hypoestes forskalii* (Vahl) R.Br.; perennial herb 0.2-1.5 m; open places in various habitats; tropical Arabia (YEM) and Africa (AGO, BDI, BEN, CAF, CIV, CMR, ERI, ETH, GAB, GHA, GIN, GNB, MLI, MOZ, MWI, NAM, NGA, RWA, SDN, SEN, SLE, TCD, TGO, TZA, ZAF, ZMB, ZWE; MDG); KEN [1-7]. Rembold photo record
- Hypoestes triflora* (Forssk.) Roem. & Schult.; straggling annual or perennial woody herb 20-100(-150) cm; forest understorey, forest margins; tropical Arabia and Africa (BDI, BEN, CMR, ETH, GIN, GNQ, MWI, SLE, TZA, UGA, ZAF, ZMB); KEN [1-6; new record for Kakamega Forest]. Malombe & Morawetz 949
- Hypoestes verticillaris* (L.f.) Sol. ex Roem. & Schult. = *Hypoestes forskalii*
- Isoglossa lactea* Lindau ex Engl.; perennial herb <1.5 m; forest; understorey; TZA; KEN [1, 3, 4, 5 (new), 7; new record for Kakamega Forest]. Althof 2002/226
- Isoglossa laxa* Oliv.; perennial herb <2 m; dry evergreen woodland and forest; TZA; MDG; KEN [1, 3-7]. Althof 2003/46

- Isoglossa membranacea* C.B. Clarke ssp. *septentrionalis* I. Darbysh. ined.; woody herb <1.2 m; forest margins or along streams; endemic to KEN [5; endemic to Kakamega Forest]. Ekkens 1953
- +*Isoglossa oerstediana* Lindau; perennial herb; montane rainforest understorey; ETH, TZA; KEN [1-6]. Kokwaro/Mutangah
- Isoglossa punctata* (Vahl) Brummitt & J.R.I. Wood: herb; tropical Arabia (YEM) and Africa (COD, ETH, TZA, UGA; KEN [?]. Lucas 96
- Justicia anselliana* (Nees) T. Anderson; perennial herb 10-60 cm; marshy grassland, wooded grassland; AGO, BEN, GHA, LBR, MLI, NGA, SDN, TGO, TZA, UGA, ZAF, ZMB; KEN [3-6]. Fischer, Malombe *et al.* s.n, Fischer photo record
- Justicia betonica* L.; perennial herb or subshrub 10-60(-100) cm; forest, forest margins, woodland, wooded grassland, shaded road banks; native range tropical Asia (IND, MYS) and Africa (AGO, BWA, COD, ETH, LSO, MLI, MOZ, MWI, NAM, SDN, SEN, SWZ, TZA, UGA, ZAF, ZMB, ZWE), introduced throughout the tropics; KEN [1-7]. Verdcourt 1675
- Justicia extensa* T. Anderson; shrub or climber <3 m; forest; CAF, CIV, CMR, COD, GAB, GHA, GIN, LBR, NGA, SDN, SLE, UGA; KEN [3-5]. Kokwaro 4338
- Justicia flava* (Forssk.) Vahl; perennial herb 30-120 cm; open woodland, grassland; tropical Arabia and Africa (BDI, BEN, BWA, CIV, COD, ERI, ETH, GHA, LBR, MOZ, MWI, NGA, RWA, SDN, SEN, SLE, SWZ, TGO, TZA, UGA, ZAF); KEN [1-7]. Perdue & Kibuwa 9423
- Justicia glabra* K. Koenig ex Roxb.; (ascending) perennial herb 0.3-1.8 m; riverine forest; native range Asia (IND, THA, VNM) and Africa (BWA, CAF, CMR, ETH, MWI, MOZ, NGA, TZA, UGA, ZAF, ZMB; MDG), introduced to CRI, MEX, PAN; KEN [2-7]. Bamps 6469
- Justicia keniensis* Rendle = *Justicia unyorensis* var. *keniensis*
- Justicia pinguior* C.B. Clarke; perennial herb <60 cm; forest clearings, wooded grassland; BDI, COD, ETH, SDN, TZA, UGA; KEN [2-6]. Verdcourt 1632
- +*Justicia striata* (Kotzsch) Bullock; annual or short-lived perennial herb; woodland, bushed grassland; CAF, CMR, GHA, MWI, MOZ, NGA, RWA, TGO, TZA, UGA, ZMB; KEN [3-6]. Rembold & Fischer photo record
- Justicia toroensis* S. Moore; herb; COD, TZA; KEN [?]. Bally 13681
- Justicia unyorensis* S. Moore var. *keniensis* (Rendle) Hedrén; ascending perennial herb <40cm; forest (margins); BDI; KEN [3-6; new record for Kakamega Forest]. Malombe *et al.* 1324
- Macrorungia pubinervia* (T. Anderson) C.B. Clarke = *Metarungia pubinervia*
- Metarungia pubinervia* (T. Anderson) Baden; shrub 1-5 m; forest understorey; BDI, COD, ETH, MOZ, MWI, SDN, TZA, ZMB, ZWE; KEN [2-5]. Verdcourt 1702; Perdue & Kibuwa 9475
- Mimulopsis arborescens* C.B. Clarke; shrub 2-8 m; riverine or swampy sites, moist forests; BDI, TZA, UGA; KEN [3-5]. Cock 009
- Mimulopsis solmsii* Schweinf.; *Liliambili* (Luhya); (woody) herb 0.8-5 m; forest understorey or margins, abundant in disturbed sites; BDI, CMR, ETH, GNQ, MWI, SLE, TZA, UGA, ZWE; KEN [3-7]. Holm & Holm 14
- +*Monechma spec. A sensu* Agnew & Agnew (1994); shrubby herb; forest; endemic to KEN [5, endemic to Kakamega Forest]. Agnew & Agnew
- Nelsonia canescens* (Lam.) Spreng.; trailing perennial herb <60 cm; native range Asia (IND, NPL, LAO) and Africa (BDI, BEN, BFA, CAF, CIV, CMR, ERI, ETH,

GAB, GHA, GNB, GNQ, LBR, MLI, MWI, NER, NGA, SDN, SEN, SLE, TZA, UGA, ZMB; MDG), introduced to tropical America; KEN [4/7, 5, Buyangu area]. Malombe 951

Phaulopsis angolana S.Moore; perennial herb <50 cm; AGO, BEN, CAF, CMR, GAB, GHA, GNQ, SLE, TZA; KEN [5, restricted to Kakamega Forest, Yala River]. Faden 70/11

Phaulopsis imbricata (Forssk.) Sweet; woody, viscid, perennial herb <1(-2) m; forest margins or clearings; BDI, BEN, CAF, CIV, CMR, COD, ETH, GAB, GIN, GNB, LBR, MLI, MWI, NGA, SLE, SEN, SDN, TZA, UGA, ZAF, ZMB; COM, MDG; KEN [1-7]. Cock 102

Pseuderanthemum ludovicianum (Büttner) Lindau; *Shibuku* (Luhya); (scandent) woody perennial herb 0.9-2 m; (riverine) forest understorey; AGO, CAF, CIV, CMR, COD, GAB, GHA, GNQ, LBR, NGA, SDN, SLE, TZA, UGA; KEN [5, restricted to Kakamega Forest]. Bally 13661

Ruellia patula Jacq.; variable species, subshrub or woody or perennial herb <0.6(-1) m; bushland, grassland, glades; tropical Arabia (DJI, OMN, SAU, YEM), ASIA (IND, PAK); Africa (BDI, BWA, CAF, COD, EGY, ERI, ETH, MOZ, MWI, NAM, NER, RWA, SDN, SOM, TZA, UGA, ZAF, ZMB, ZWE; MDG; KEN [1-7]. Obholzer 100-237

Thunbergia alata Bojer ex Sims; twining perennial herb <15 m; bushland thicket, in partial shade, secondary grassland; native range Africa (BDI, BWA, CAF, CIV, ERI, ETH, GHA, LBR, MOZ, MWI, NGA, RWA, SDN, SLE, SWZ, TZA, UGA, ZAF, ZMB; MDG), cultivated and introduced globally in all warmer parts; KEN [1-7]. Gilbert & Mesfin 6682

Thunbergia elliotii S.Moore = *Thunbergia paulitschkeana*

Thunbergia fasciculata Lindau; woody climber <3(-5) m; wet forest; CMR, COD, ETH, NGA, SDN, TGO, UGA; KEN [5]. Faden 69/2056

+*Thunbergia* cf. *gregorii* S.Moore; climbing perennial herb <1(-5) m; grassland, bushland, forest margins; BDI, COD, ETH, TZA, UGA; KEN [4-6]. Rembold photo record

+*Thunbergia* cf. *paulitschkeana* Beck; perennial herb <1 m; upland grassland and bushland, montane forest on streambanks, glades, roadsides, abandoned cultivations; TZA, UGA; KEN [3-6]. Rembold photo record

Thunbergia usambarica Lindau; climbing perennial herb <1 m; wet montane forest; BDI, COD, MOZ, MWI, RWA, TZA, UGA, ZAF, ZWE, KEN [3, 5]. Mabberley & Tweedie 1107

Achariaceae

Rawsonia lucida Harv. & Sond.; *Munamatolo* (Luhya); evergreen tree 2-20 m; moist or riverine forest; AGO, CAF, COD, MOZ, MWI, SDN, SOM, TZA, UGA, ZAF, ZMB, ZWE; KEN [1, 3-7]. Kagusha 158

Amaranthaceae

Achyranthes aspera L.; (woody) perennial herb 0.2-2 m; common on cultivated or disturbed dry (rocky) ground, open grassland, along forest trails and margins, dried-up watercourses; pantropical weed; probably native range IND; KEN [5-7]. Hooper & Townsend 1508

- +*Achyranthes aspera* L. var. *pubescens* (Moq.) C.C.Towns.; (woody) perennial herb 0.2-2m; dry (rocky) ground, open grassland, relict forests; BWA, MWI, MOZ, TZA, UGA, ZMB, ZWE; KEN [1, 3-7]. Kokwaro
Achyranthes bidentata Blume = *Achyranthes aspera* var. *pubescens*
- +*Celosia anthelminthica* Aschers.; climbing perennial herb <2 m; dry bushland, secondary forest; ETH; KEN [3, 4, 5 (new), 6; new record for Kakamega Forest]. Rembold photo record
- Celosia schweinfurthiana* Schinz.; (woody) perennial herb <15 cm; ground cover along forest margins and clearings, roadside, especially near water, or weed of cultivation; AGO, COD, ETH, MOZ, MWI, SDN, TZA, UGA; KEN [1, 3, 5, 7]. Sturrock 515
- +*Cyathula polyccephala* Baker; perennial herb 0.6-2(-6) m; forest glades and margins, secondary grassland, disturbed places, sometimes near swampy ground; ETH, TZA; KEN [3, 4-6]. Mutangah
- +*Cyathula uncinulata* (Schrad.) Schinz; (climbing) perennial herb (0.3-)0.75-3(-6) m; forest margins, hedges, roadside, stream banks; BDI, CMR, ETH, LSO, MOZ, MWI, SDN, SOM, TZA, ZAF, ZMB, ZWE; MDG; KEN [2-6; new record for Kakamega Forest]. Rembold photo record
- +*Pupalia lappacea* (L.) Juss. var. *velutina* (Moq.) Hook.; woody annual or perennial herb 0.3-0.9(-2.5) m; open deciduous woodland, near streams or seasonal swamps; palaeotropical; KEN [1-7]. Mutangah
- Sericostachys scandens* Gilg & Lopr.; liana or woody climber 3-30 m, moist riverine or lakeside forest (margins); AGO, CIV, CMR, GNQ, ETH, MWI, NGA, TZA, UGA; KEN [5, restricted to Kakamega Forest and near Kericho]. Drummond & Hemsley 4751

Anacardiaceae

- Lannea edulis* Sond. var. *edulis*; woody perennial herb or shrub <30 cm; open woodlands and grasslands, dambos (swamps) termite mounds, burnt ground; AGO, BDI, MOZ, MWI, TZA, UGA, ZAF, ZMB, ZWE; KEN [3, 5]. Rembold *s.n.*, Fischer photo record
- Pseudospondias microcarpa* (A.Rich.) Engl.; *Ochol* (Luo); tree 15-20(-40) m, strongly buttressed, fluted bole; lake shores, swamp and riverine forest (margins); AGO, BEN, CAF, CIV, CMR, COD, COG, GAB, GHA, GMB, GIN, GNB, GNQ, LBR, MLI, NGA, SDN, SEN, TZA, UGA, ZMB; COM; KEN [5]. M.D.Graham 14
- Rhus natalensis* Bernh. = *Searsia natalensis*
- Rhus tenuinervis* Engl. = *Searsia pyroides*
- Rhus vulgaris* Meikle. = *Searsia pyroides*
- Searsia natalensis* (Bernh. ex Krauss) F.A.Barkley; *Sangla* (Luo); shrub or tree 1.5-3 (-8) m; bushland, woodland, (riverine) forest margins, on well-drained slopes, termite mounds, rocky places; tropical Arabia and Africa (AGO, BEN, CIV, CMR, ETH, GHA, GIN, MOZ, MWI, NGA, SOM, TGO, TZA, UGA, ZAF; COM); KEN [1-7]. Althof 2002/176
- Searsia pyroides* (Burch.) Moffett; *Sangla-Madongo/Monjororioryat* (Luo); shrub or tree 1-9 m; bushland, wooded grassland, dry forest margins, along stream banks, on termite mounds; BDI, CMR, ETH, MOZ, MWI, TZA, ZMB, ZWE; KEN [1-6]. Kokwaro 4323

Annonaceae

Artabotrys likimensis De Wild.; *Lusolokho*, *Ikoyi* (Luhya); liana or climbing shrub <30 m; evergreen rainforest; BDI, COD, UGA; KEN [3, 5, Kakamega and Nandi Forests]. Moon in Battiscombe 570, Holyoak in F.D. 2564

Artabotrys monteiroae Oliv.; liana, shrub or small tree 1.5-6(-12) m; forest margins, moist grassland, riverine thickets, often in old termite mounds, AGO, BDI, COD, ETH, MOZ, MWI, TZA, UGA, ZAF, ZMB, ZWE; MDG; KEN [7]. Kokwaro 4321

Artabotrys nitidus sensu Dale & Greenway K.T.S.: 34 (1961) non Engl. = *Artabotrys likimensis*

Monanthotaxis buchananii (Engl.) Verdc.; liana, shrub or tree 1.5-7.5 m; open woodland, (secondary) thickets on rocky hills; CAF, COD, MOZ, MWI, SDN, TZA, UGA, ZMB, ZWE; KEN [5, 7]. Althof XI/2002

Monodora myristica (Gaertn.) Dunal; *Lubushi* (Luhya); shrub or tree 1.5-6(-35) m; evergreen, riverine or lakeside forest; AGO, CAF, CIV, CMR, COD, COG, GAB, GHA, GNQ, LBR, NGA, SDN, TGO, TZA, UGA; MDG; cultivated elsewhere; KEN [5, restricted to Kakamega Forest and Kibiri Block]. Verdcourt 1690, Machin in FD 3243, Faden *et al.* 70/33.

Uvariopsis congensis Robyns & Ghesq.; *Mukumasia* (Luhya); shrub or tree 4-12 m; understory of secondary evergreen forest; AGO, CAF, CIV, CMR, COD, GAB, SDN, UGA, ZMB; KEN [5, restricted to Kakamega Forest (Kibiri Block)]. Verdcourt 1695; Faden *et al.* 70/34

Apiaceae

+*Centella asiatica* (L.) Urb.; creeping perennial herb; (moist) grassland, under bushes, roadsides; pantropical (subtropical); KEN [1-7]. Kokwaro

Diplophium africanum Turcz.; perennial herb <2 m; upland wooded grassland and woodland edges; BEN, CMR, COD, ETH, GAB, GIN, NGA, SDN, TGO; KEN [3-6]. Obholzer 100-249

Sanicula elata Buch.-Ham. ex D.Don; perennial herb 80 cm; moist shady forest floor; tropical Asia (CHN, IDN, JPN, VNM, YEM) and Africa (BDI, CMR, ETH, GNQ, RWA, TZA, UGA, ZAF, ZMB, ZWE, MWI; COM, MDG); KEN [1-7]. Faden & Faden 77/856

Apocynaceae

Baissea major (Stapf) Hiern; scandent shrub or liana 5-15m; forest; AGO, CAF, CMR, COD, GIN, GMB, GNB, MLI, NER, SEN, SLE, TZA, UGA; KEN [5, restricted to Kakamega Forest]. Dale 3385

Baissea multiflora sensu auctt. e.g. Agnew & Agnew U.K.W.F. ed. 2 (1994) or Beentje K.T.S.L. (1994), non A.DC. = *Baissea major*

Carissa edulis (Forssk.) Vahl. = *Carissa spinarum*

Carissa spinarum L.; *Ochuogo* (Luo); shrub 0.2-3 m (occasionally scrambling up to 20m); forest margins, bushland, wooded grassland, thickets, especially in rocky places; tropical Asia (IND, THL, YEM), AUS and Africa (BEN, CIV, CMR, ETH, GHA, MWI, NGA, TGO, TZA, UGA, ZAF; COM, MDG, MUS); KEN [1-7]. Malaki 48

Dregea abyssinica K.Schum.; woody climber <7.5 m (or shrub in grassland); rocky places within dry woodland and riverine forest, grassland after forest has been removed; tropical Arabia and Africa (AGO, BEN, CAF, CIV, CMR, ETH, GHA,

- NGA, SEN, TZA, UGA; KEN [1, 4, 5 (new), 6, 7; new record for Kakamega Forest]. Althof *s.n.*
- Dregea macrantha* Klotzsch = *Dregea rubicunda*
- Dregea rubicunda* K.Schum.; climber <9 m; bushland, riverine woodland; BWA, CAF, ETH, MOZ, SDN, TZA, ZWE; KEN [1-3, 5 (new), 6, 7; new record for Kakamega Forest]. Obholzer 4-17
- Funtumia africana* (Benth.) Stapf; *Mutondo* (Luhya); tree 8-30 m; moist forest or groundwater forest; AGO, BEN, CAF, CIV, CMR, COD, GAB, GHA, GNQ, LBR, MOZ, MWI, NGA, SEN, SLE, TZA, UGA, ZWE; KEN [3, 5, 7]. Dale 802
- Funtumia latifolia* (Stapf) Schltr. = *Funtumia africana*
- Gomphocarpus semilunatus* A.Rich.; perennial herb <2 m; disturbed places, seasonal swampy grassland and roadsides; CMR, RWA, TZA, UGA; SYC; KEN [3-6?]. Carroll H12
- Landolphia buchananii* (Hallier f.) Stapf; *Rikikini* (Luo); liana 3-40 m or scandent shrub 0.9-7 m; (riverine) forest, relict montane evergreen forest; AGO, BDI, CMR, COD, ETH, GAB, MOZ, MWI, NGA, RWA, SDN, SOM, TZA, UGA, ZMB, ZWE; KEN [1, 3-7]. Althof *s.n.*
- Landolphia kilimandjarica* (Warb.) Stapf = *Landolphia buchananii*
- Mondia whitei* (Hook.f.) Skeels; *Kumukombelo* (Luhya); climber 3-6 m, woody twining stems / lianas from tuberous root-stock; forest; BDI, BEN, CAF, CIV, CMR, COD, GAB, GHA, GNB, MWI, NGA, SDN, SEN, TZA, UGA, ZAF, ZMB, ZWE; KEN [3, 5, Kakamega Forest and Bungoma]. Dale 3431
- Oncinotis tenuiloba* Stapf; liana or scandent shrub 1.8-30 m; (riverine) forest margins; CAF, CMR, COD, ETH, MOZ, MWI, NGA, SDN, SWZ, TZA, UGA, ZAF, ZEW, ZMB; KEN [3, 4, 7]. Mungai 150/89
- Pentarrhinum insipidum* E.Mey.; herbaceous climber 2-3 m; edges of dry evergreen forest; BDI, BWA, CMR, ERI, ETH, NAM, RWA, SDN, SOM, TZA, UGA, ZAF, ZMB; KEN [3-6]. Obholzer 74-168
- Periploca linearifolia* Quart.-Dill. & A.Rich.; *Muhalia* (Luhya); liana or climbing herb <10 m; upland forest margins, riverine forest, secondary bushland derived from forest; BDI, COD, ETH, MWI, RWA, SDN, TZA, UGA, ZWE; KEN [1-6]. Maitai CKM13
- Rauvolfia caffra* Sond.; shrub or tree 2-30 m; riverine forest, wet upland forest, thicket; AGO, BEN, CAF, CMR, GAB, GHA, GNQ, MWI, NGA, SDN, SWZ, TZA, UGA, ZAF, ZMB; KEN [1, 3-7; new record for Kakamega Forest]. Althof 29. III/2002
- +*Saba comorensis* (Bojer ex A.DC.) Pichon; liana <20(-30) m; riverine forest, forest margins, rocky woodland; AGO, BDI, BEN, CAF, CIV, CMR, ETH, GAB, GHA, GIN, MLI, MWI, NGA, SEN, TGO, TZA, UGA, ZWE; COM, MDG; KEN [1-7]. Rembold photo record
- Secamone africana* (Oliv.) Bullock; climbing shrub <3 m; forest or thicket edges; AGO, CMR, TZA, UGA; KEN [5]. Obholzer 70-154
- Secamone punctulata* Decne.; climber 2-6(-15) m; dry forest, riverine forest, evergreen woodland; AGO, CIV, COD, ETH, GHA, SOM, TZA; MUS; KEN [1-7]. Althof *s.n.*
- Tabernaemontana stapfiana* Britten; *Kunandere* (Luhya); tree 5-25(-35) m; moist (disturbed) forest; BDI, COD, MOZ, MWI, RWA, TZA, UGA, ZWE; KEN [3-7]. Higgins & Magogo 11752

- Tabernaemontana ventricosa* Hochst. ex A.DC.; *Shitondo* (Luhya), *Adhiang'* (Luo); shrub or tree 3-15 m; riverine or groundwater forest; BDI, CMR, COD, MOZ, MWI, NGA, TZA, UGA, ZAF, ZMB, ZWE; KEN [3-7]. Perdue & Kibuwa 9468
- Tacazzea conferta* N.E.Br.; liana 5-10 m; moist forest, bamboo; ETH, TZA; KEN [1, 3-5, 7, new record for Kakamega Forest]. Althof *s.n.*
- Tacazzea galactogoga* Bullock = *Tacazzea conferta*
- Voacanga thouarsii* Roem. & Schult.; *Adhiang'* (Luo); shrub or tree 2-15(-20) m; swamps; AGO, CIV, GMB, LBR, MOZ, MWI, NGA, SDN, SEN, SLE, SWZ, TZA, UGA, ZAF, ZMB, ZWE; MDG; KEN [5, restricted to Kakamega Forest]. Faden & Evans 69/2061

Araceae

- Amorphophallus abyssinicus* (A.Rich.) N.E.Br.; perennial, seasonally dormant herb 40-60 cm, inflorescence <30 cm, tuber; deciduous woodland, grassland, marshy ground; BEN, CAF, CIV, CMR, COD, ETH, GHA, MOZ, MWI, NGA, SDN, TCD, TGO, TZA, UGA, ZMB, ZWE; KEN [3, 5]. Hooper & Townsend 1468 (K)
- Amorphophallus calabaricus* N.E.Br. ssp. *mayoi* Ittenb.; perennial, seasonally dormant herb <1.2 m, inflorescence <60 cm, tuber; evergreen forest; COD, UGA; KEN [5, restricted to Kakamega Forest]. Hansen 921, Fischer *s.n.*, Fischer photo record [*Amorphophallus calabaricus* N.E.Br. ssp. *calabaricus*; restricted to West Africa (BEN, NER, NGA, CMR).]
- Culcasia falcifolia* Engl.; lianescent or ground-creeping perennial herb; rainforest, riverine or swamp forest; BDI, COD, ETH, GAB, MOZ, MWI, SDN, TZA, UGA, ZMB, ZWE; KEN [3, 5, 7]. Gilbert & Mesfin 6623
- Culcasia scandens* Engl. *sensu* Agnew U.K.W.F. ed. 1 (1974) = *Culcasia falcifolia*

Araliaceae

- Cussonia arborea* Hochst. ex A.Rich.; *Kitandawabasia* (Luhya); candelabra-like tree 3-6(-13) m; *Combretum* woodland or wooded grassland; BDI, BEN, CIV, CMR, COD, ETH, GHA, GIN, MLI, MOZ, NGA, SDN, SLE, TGO, TZA, UGA, ZMB, ZWE; KEN [2-6]. Dale in FD 3079
- Cussonia holstii* Horms ex Engl.; tree <20 m; evergreen bushland on rocky slopes, grassland, dry forest edges; COD, ETH, RWA, SOM, TZA, UGA; KEN [1, 3-6]. Obholzer 85-200
- Hydrocotyle mannii* Hook.f.; creeping perennial herb; damp forest floor, common in and below the bamboo zone; AGO, CMR, COD, ETH, GMB, GNQ, MOZ, MWI, SDN, TZA, UGA, ZMB, ZWE; MDG; KEN [3-6]. Bally 13691
- +*Hydrocotyle ranunculoides* L.f.; creeping perennial herb; rooted in marshy ground or free floating in ponds; tropical America and Africa, naturalized in Spain and Italy; KEN [3-6; new record for Kakamega Forest]. Rembold photo record
- Hydrocotyle sibthorpioides* Lam.; creeping perennial herb; muddy and peaty stream banks, damp grassland in upper forest levels and alpine zone; native range Old World tropics, introduced to America; KEN [3-6; new record for Kakamega Forest]. Fischer, Malombe *et al.* *s.n.*
- Polyscias fulva* (Hiern) Harms; *Mwanzu* (Luhya), *Nyakom-Ondiek* (Luo); candelabra-like tree 18-25(-30) m; riverine forest, wet upland grassland and forest; AGO, BDI, CMR, COD, ETH, GAB, GIN, GNQ, MOZ, MWI, SLE, TZA, UGA, ZMB, ZWE; KEN [4-7]. Dale in FD 3254

- +*Polyscias kikuyuensis* Summerh.; candelabra-like tree 15-25 m; wet upland forest; endemic to KEN [3, 4, 6]; VU. Kifcon

Areaceae

- +*Phoenix reclinata* Jacq.; *Othith* (Luo); tree 2-10 m; lowland along watercourses, upland on rocky hillsides and open forests; tropical Arabia (SAU, YEM) and Africa (AGO, BDI, BEN, BWA, CAF, CIV, CMR, COD, ERI, ETH, GAB, GHA, GIN, GMB, GNB, MOZ, MWI, NAM, NGA, RWA, SEN, SLE, SOM, SWZ, TZA, UGA, ZAF, ZMB, ZWE; COM, MDG; KEN [1, 3-7]. Rembold photo record
- +*Raphia farinifera* (Gaertn.) Hyl.; tree <25 m; riverine forest, freshwater swamp-forest; panafrican, frequently cultivated in tropics; KEN [4, 5?, 7]. Rembold photo record

Asparagaceae

- +*Albuca donaldsonii* Rendl; perennial herb 15-150 cm, bulb <8 cm across; grassland, bushland; ETH, SOM, TZA; KEN [1, 4, 5 (new), 6, 7; new record for Kakamega Forest]. Rembold photo record
- Anthericum monophyllum* Baker = *Chlorophytum subpetiolatum*
- Anthericum subpetiolatum* Baker = *Chlorophytum subpetiolatum*
- +*Asparagus racemosus* Willd.; creeping or climbing perennial herb <2 m; forest margins, drier bushland; tropical Asia, AUS, Arabia and Africa (AGO, BWA, ERI, ETH, GAB, GNB, LBR, MOZ, NAM, SDN, SOM, SWZ, TZA, UGA, ZAF; MDG); KEN [2-7]. Mutangah
- Chlorophytum blepharophyllum* Schweinf. ex Baker; perennial herb 10-40 cm; burnt grassland; AGO, BFA, BDI, BEN, CAF, CIV, CMR, ETH, GNB, MLI, MOZ, NGA, SDN, SEN, TZA, UGA, ZMB, ZWE; KEN [3, 5, 7]. Mabberley & Tweedie 1087
- +*Chlorophytum comosum* (Thunb.) Jacques; perennial herb 10-60(-100) cm; shady wet places in forest; native range Africa (BDI, CIV, CMR, COD, ETH, GAB, GNQ, LBR, MOZ, MWI, RWA, SLE, SWZ, TZA, UGA, ZAF, ZMB, ZWE), introduced throughout the tropics; KEN [1, 3-7]. Rembold photo record
- Chlorophytum elgonense* Bullock = *Chlorophytum comosum*
- Chlorophytum filipendulum* ssp. *filipendulum* Baker; perennial herb 10-70 cm; forest; AGO, BDI, CIV, CMR, COD, GAB, GHA, GIN, LBR, NGA, TGO, TZA, UGA; KEN [5; restricted to Kakamega Forest]; LC. Gillett 16693
- Chlorophytum macrophyllum* (A.Rich.) Asch.; perennial herb 20-80 cm; grassland, open bushland, often on black-cotton soil; BFA, BEN, CIV, CMR, ETH, GHA, GNB, LBR, NGA, MOZ, NGA, SDN, SEN, TZA, ZMB, ZWE; KEN [4-6?]. Hansen 942
- Chlorophytum sparsiflorum* Baker = *Chlorophytum comosum*
- Chlorophytum subpetiolatum* (Baker) S.Kativu; perennial herb 10-40 cm grassland, woodland; AGO, CMR, ETH, MOZ, MWI, NGA, SDN, SOM, TZA, UGA, ZMB, ZWE; KEN [2-7]. Tweedie & Mabberley in EA 14956
- Dracaena fragrans* (L.) Ker Gawl.; *Mwere/Ofito* (Luo), *Embano/Lukhuba* (Luhya); shrub or tree 3-5(-15) m; moist forest; AGO, CAF, CIV, CMR, COD, ETH, GAB, GHA, GIN, GMB, GNQ, MOZ, MWI, NGA, SDN, TGO, TZA, UGA, ZMB, ZWE; cultivated tropics and subtropics; KEN [1-7]. Kokwaro 3091

Dracaena laxissima Engl.; sarmentose shrub 1-4 m; moist or riverine forest, in dry forest usually near water; BDI, CAF, CMR, GAB, MOZ, MWI, NGA, RWA, SDN, TZA, UGA, ZMB; KEN [1, 4-7]. Cunningham van Someren *s.n.*
 +*Dracaena steudneri* Engl.; shrub or tree 3-12 m; forest; BDI, ETH, MWI, SDN, TZA, UGA, ZWE; KEN [1, 3-5, 7]. Rembold photo record

Asteraceae

Acmella caulirhiza Delile; decumbent (<15 cm) or scrambling (<60 cm) perennial or annual herb; swampy or seasonally wet sites, river banks, forest margins, cultivated areas; AGO, BEN, CAF, CIV, CMR, COD, ETH, GAB, GHA, GIN, GNQ, LBR, MLI, MWI, NER, NGA, RWA, SDN, SLE, SEN, TCD, TZA, UGA, ZAF; MDG; KEN [1-7]. Hansen 926

+*Adenostemma caffrum* DC.; annual or short-lived perennial herb <1.5 m; shady marshes; tropical Arabia and Africa (AGO, BDI, BFA, BEN, BWA, CAF, CIV, CMR, COD, ETH, GHA, GIN, GNQ, MLI, MWI, NGA, RWA, SLE, SEN, SWZ, TAZ, UGA, ZAF, ZMB, ZWE); KEN [3, 5]. Rembold photo record

Adenostemma mauritianum DC.; perennial herb <1.2 m; forest (margins); stream banks, bamboo zone; BDI, CIV, CMR, COD, ETH, GHA, GNQ, NGA, MWI, RWA, SLE, TZA, UGA, ZAF, ZMB, ZWE; COM, MUS, REU; KEN [3-7]. Perdue & Kibuwa 9415

Ageratum conyzoides L.; annual herb <1 m; weedy escape in cultivation, pioneer on cleared land, grassland; pantropical, probable origin neotropics; KEN [1-7]. Althof X/2001

Anisopappus buchwaldii (O.Hoffm.) Wild = *Anisopappus chinensis* ssp. *buchwaldii*

Anisopappus chinensis (L.) Hook. & Arn. ssp. *buchwaldii* (O. Hoffm.) S.Ortiz, Paiva & Rodr.-Oubina; perennial herb 40-150 cm; dry rocky grassland; AGO, BDI, CMR, COD, ETH, GHA, MWI, NGA, RWA, SDN, TZA, UGA, ZMB, ZWE; KEN [3-6]. Drummond & Hemsley 4788

+*Aspilia africana* (Pers.) C.D.Adams; semi-woody perennial herb 25-130(-200) cm, woody root-stock; weed; BEN, BFA, CIV, CMR, ETH, GAB, GHA, GIN, LBR, MLI, NGA, RWA, SDN, SLE, TZA, UGA; KEN [5 (new); new record for Kenya]. Obholzer photo record

Aspilia mossambicensis (Oliv.) Wild; perennial herb 0.1-2.5 m; ruderal sites, seasonal swamps, riverine, lake shore, forest margins, woodland, (wooded) grassland; BDI, BWA, COD, DJI, ETH, MOZ, MWI, NAM, SOM, TZA, UGA, ZAF, ZMB; KEN [1-7]. Gilbert & Mesfin 6627

Aspilia pluriseta Schweinf.; perennial herb <50 cm; grassland, woodland, pioneer of cultivation and ruderal sites; BDI, COD, MOZ, MWI, RWA, SDN, TZA, UGA, ZAF, ZMB, ZWE; KEN [2-7]. Gonget 140

Berkheya spekeana Oliv.; perennial shrubby herb <2.5 m; woody grassland; BDI, CMR, COD, ETH, NGA, RWA, SDN, TZA, UGA; KEN [3-6]. Drummond & Hemsley 4787

**Bidens pilosa* L.; annual herb weed of cultivation and ruderal sites, alluvial sites, forest margins, swamps, riverine; native range South America, naturalized pantropical-subtropical weed, extending to temperate zone; KEN [1-6]. Kokwaro 3776

- Bidens ternata* (Chiov.) Sherff; perennial herb 0.6-2 m; grassland, bushland, forest clearings and margins, ruderal; CMR, COD, ETH, SDN, TZA, UGA; KEN [3, 5]. Drummond & Hemsley 4753
- Blumea axillaris* (Lam.) DC.; annual or perennial herb 20-90 cm; local by streamsides and naturally disturbed places; Old World tropics and AUS; KEN [3-7]. Obholzer 106-247
- Blumea mollis* (D.Don) Merr. = *Blumea axillaris*
- **Conyza bonariensis* (L.) Cronquist; annual herb 40-150(-200) cm; native range tropical America, naturalized pantropical weed, KEN [1-7]. Obholzer 79-181
- Conyza megensis sensu* Agnew & Agnew in U.K.W.F. ed. 2: (1994) non F.G.Davies = *Nidorella resedifolia*
- Conyza subscaposa* O.Hoffm.; perennial herb 8-60 cm; grassland; AGO, CMR, COD, ETH, MOZ, MWI, NGA, RWA, SDN, TZA, UGA, ZMB, ZWE; KEN [1-7]. Gilbert & Mesfin 6646
- Crassocephalum crepidioides* (Benth.) S.Moore; annual herb 25-120(-150) cm; moist sites along rivers and lakes, forest margins, secondary vegetation, weed of disturbed places and cultivation; native range tropical Arabia and Africa (AGO, BEN, CAF, CIV, CMR, COD, ETH, GAB, GHA, GIN, GNQ, LBR, MWI, NGA, SDN, SEN, SLE, SWZ, TGO, TZA, UGA, ZAF, ZMB, ZWE; MDG), introduced in tropical Asia and the Pacific region; KEN [1, 3-7]. Carroll H27
- Crassocephalum montuosum* (S.Moore) Milne-Redh.; annual or short-lived perennial herb 25-250 cm; montane forest clearings; AGO, BDI, CAF, CMR, COD, GAB, GNQ, ETH, MOZ, MWI, NGA, RWA, SDN, TZA, UGA, ZWE; MDG; KEN [1-6]. Kamau *et al.* 278
- Crassocephalum rubens* var. *sarcobasis* (DC.) C.Jeffrey & Beentje; annual herb <30 cm; disturbed, often cultivated ground; tropical Arabia (YEM) and Africa (AGO, BDI, CMR, COD, ETH, NGA, MOZ, MWI, RWA, TZA, UGA, ZAF, ZMB, ZWE; MDG); KEN [2-7]. Obholzer 99-233
- Crassocephalum sarcobasis* (DC.) S.Moore = *Crassocephalum rubens* var. *sarcobasis*
- Crassocephalum vitellinum* (Benth.) S.Moore; annual or perennial herb 30-150(-350) cm; forest margins and clearings, grassland, bushland, sometimes swamps; BDI, CIV, CMR, COD, ETH, GIN, GNQ, NGA, RWA, TZA, UGA, ZMB; KEN [3-6]. Kokwaro 4283 [Agnew & Agnew (1994): "Intermediates between *C. vitellinum* and *C. picridifolium* (DC.) S.Moore may be hybrids and are known, *inter alia* from Mumias and Kisili" – regions of Western Province Kenya.]
- Crepis newii* Oliv & Hiern ssp. *newii*; perennial herb 10-120 cm; upland grassland, forest margins; BDI, COD, MOZ, MWI, TZA, UGA, ZWE; KEN [5, restricted to Kaimosi]. Gilbert Rogers 752
- Dichrocephala integrifolia* (L.f.) Kuntze; annual herb 10-100 cm; disturbed wet montane forest; Arabia, Asia (CHN, IDN, JPN, LKA, NPL, PNG, THL, VNM), AUS and Africa (AGO, BDI, CAF, CIV, CMR, COD, ETH, GAB, GIN, MLI, MWI, RWA, TZA, UGA, ZAF; MDG); KEN [1-6]. Bally 13664
- Echinops eryngiifolius* O.Hoffm.; perennial herb 45-120 cm; wet grassland; BDI, COD, RWA, TZA, UGA; KEN [3, 5]. Greenway & Doughty 8525
- Emilia integrifolia* Baker; annual or short-lived perennial herb 10-125 cm; swamp or moist grassland; COD, ETH, MWI, TZA, UGA, ZMB, ZWE; MDG; KEN [3, 5]. Malombe *et al.* 1288

- **Galinsoga parviflora* Cav.; annual herb 10-75(-100) cm; weed of cultivation, roadsides, waste places, riverine, forest margins; native range Central to South America, naturalized worldwide weed in tropical, subtropical and temperate zones; KEN [2-7]. Lucas 90
- Gnaphalium rubriflorum* Hilliard = *Gnaphalium unionis* var. *rubriflorum*
Gnaphalium unionis var. *rubriflorum* (Hilliard) Beentje; perennial herb 5-30 cm; moist forest soils; BDI, ERI, ETH, MWI, RWA, TZA, UGA; KEN [1-6]. Obholzer 31-17
- Gutenbergia cordifolia* Oliv. var. *cordifolia*; annual or short-lived perennial herb or subshrub 0.3-2(-2.5) m; BDI, COD, ETH, MOZ, MWI, RWA, SDN, TZA, UGA, ZWE; KEN [3-7]. Gilbert & Mesfin 6664
- +*Helichrysum* cf. *forskahlii* (J.F.Gmel.) Hilliard & B.L.Burt; perennial herb or shrub 0.3-1 m; grassland; tropical Arabia (YEM) and Africa (AGO, BDI, CMR, ETH, MWI, NGA, RWA, SDN, TZA, UGA, ZWE); KEN [1-6]. Rembold photo record
- Helichrysum gerberifolium* Sch.Bip. ex A.Rich. = *Helichrysum nudifolium*
Helichrysum glumaceum DC.; annual or perennial shrubby herb 10-60 cm; dry (wooded) grassland, sand dunes; Arabia (OMN, YEM) and Africa (AGO, EGY, ERI, ETH, MRT, SDN, SEN, SOM, TZA, UGA, COM; KEN [1-4, 5 (new), 6, 7; new record for Kakamega Forest]. Althof X/2001
- Helichrysum globosum* Sch.Bip.; perennial herb 0.2-0.9(-1.2) m; montane grassland; AGO, BDI, CMR, COD, ETH, GAB, GIN, GNQ, MOZ, MWI, NGA, RWA, SDN, SLE, SOM, TZA, UGA, ZMB; MDG; KEN [1-6]. Obholzer 49-110
- Helichrysum nudifolium* (L.) Less; perennial herb 10-80(-100) cm; montane grassland; tropical Arabia (YEM) and Africa (AGO, BDI, CMR, COD, ETH, LSO, MWI, RWA, SDN, SLE, SWZ, TZA, UGA, ZAF, ZMB, ZWE); KEN [1-6]. Gilbert Rogers 748
- Helichrysum panduratum* O.Hoffm. var. *panduratum*; (scrambling) perennial herb 20-100(-200) cm; grassland; AGO, BDI, COD, GAB, MOZ, MWI, RWA, TZA, UGA, ZAF, ZMB, ZWE; KEN [3, 5, 7]. Magogo 1533
- Inula decipiens* E.A.Bruce = *Inula paniculata*
Inula glomerata Oliv. & Hiern; perennial herb 90-200 cm; lowland wet forest; AGO, BDI, COD, MOZ, MWI, RWA, TZA, UGA, ZAF, ZMB, ZWE; KEN [2, 3, 5]. Drummond & Hemsley 4762
- +*Inula paniculata* (Klatt) Burt Davy; biennial or perennial herb 0.6-2.4 m; wooded grassland; COD, ETH, MWI, NGA, SDN, TZA, UGA, ZAF, ZMB, ZWE; KEN [3, 5, 6]. (Kokwaro)
- Lactuca glandulifera* Hook.f.; perennial herb 0.3-2 m; BDI, CMR, COD, ETH, GNQ, LBR, MOZ, MWI, NGA, SLE, TZA, UGA; KEN [3-5]. Gilbert 6883
- Laggera brevipes* Oliv. & Hiern; annual (or perennial) herb 0.4-2 m; (disturbed) grassland, forest margins; AGO, BDI, CMR, COD, MWI, RWA, TZA, UGA, ZMB, ZWE; MDG; KEN [3-7]. Graham 82
- Melanthera pungens* Oliv. & Hiern var. *pungens*; perennial herb 0.3-1.2 m; moist forest margins; CAF, COD, GIN, MLI, SDN, SEN, TZA, UGA; KEN [2, 3, 5]. Carson H19
- Melanthera scandens* (Schumach. & Thonn.) Roberty ssp. *madagascariensis* (Baker) Wild; (scandent) perennial herb <1(-4) m; moist forest margins; AGO, BEN, BWA, CAF, CIV, CMR, COD, COG, ETH, GAB, GHA, GIN, GNQ, LBR, NGA,

- SEN, SLE, NAM, TCD, TGO, TZA, UGA, ZAF, ZMB; MDG; KEN [1, 3-7]. Carroll H19
- Melanthera scandens* (Schumach. & Thonn.) Roberty ssp. *subsimplificifolia* Wild; (scandent) perennial herb <1(-4) m; moist forest margins; CMR, LBR, MOZ, MWI, SLE, TZA, UGA, ZWE; KEN [5, restricted to Kakamega Forest]. Maas Geesteranus 6239
- +*Microglossa pyrifolia* (Lam.) Kuntze; (scandent) shrub 1-3(-6) m; forest margins, waste shrubland; tropical Asia (CHN, IDN, MMR, PHL, PNG, THL, TWN, VNM) and Africa (AGO, BDI, BFA, BEN, CAF, CIV, CMR, COD, ETH, GAB, GHA, GIN, GNQ, LBR, MOZ, NGA, RWA, SLE, SEN, TGO, TZA, UGA, ZWE; MDG); KEN [1, 3-7]. Rembold photo record
- Mikania chenopodiifolia* Willd.; shrub 5-9 m; forest, swamp forest, river banks, bamboo edges; AGO, BDI, BEN, CAF, CIV, CMR, COD, ETH, GAB, GHA, GMB, GNB, GNQ, LBR, MOZ, MWI, NGA, RWA, SDN, SEN, SLE, TGO, TZA, UGA, ZAF, ZMB, ZWE; MDG; KEN [3-7]. Gilbert 6896
- Mikania cordata* *sensu pro parte quoad* Agnew & Agnew U.K.W.F. ed. 2: 24 (1994) *non* (Burm.f.) B.L.Rob. = *Mikania chenopodiifolia*
- Mikaniopsis* cf. *bambuseti* (R.E.Fr.) C.Jeffrey; scandent shrub or climber <8 m; forest; UGA; KEN [2-4, 6]. Rembold *s.n.*
- Mikaniopsis clematoides* *sensu* Agnew in U.K.W.F. ed. 1: 471 (1974) *non* (A.Rich.) Milne-Redh. = *Mikaniopsis bambuseti*
- +*Mikaniopsis usambarensis* (Muschl.) Milne-Redh.; climber several meter; moist forest margins; BDI, COD, RWA, TZA; KEN [4, 5]. Rembold photo record
- Nidorella resedifolia* DC.; annual herb 30-100 cm; disturbed places; AGO, BWA, COD, LSO, MOZ, MWI, NAM, RWA, TZA, ZAF, ZWE; KEN [4, 5 (new), 6; new record for Kakamega Forest]. Obholzer 89-224
- Senecio syringifolius* O.Hoffm.; liana 1.5-10 m; evergreen forest, forest margins, bamboo zone, secondary bushland in forest zone; BDI, MWI, RWA, TZA, UGA; KEN [1, 3-7]. Althof *s.n.*
- Senecio vulgaris* L.; annual herb 14-37 cm; disturbed cultivated ground; cosmopolitan weed; KEN [3, 5]. Obholzer 29-68
- +*Solanecio mannii* (Hook.f.) C.Jeffrey; *Marowo* (Luo); shrub or tree 1-10 m; dry or evergreen forest margins, secondary fores, riverine forest, on rocky slopes in bushland; AGO, BDI, CMR, COD, ETH, GNQ, MOZ, MWI, NGA, RWA, SDN, TZA, UGA, ZMB, ZWE; KEN [1-7]. Rembold photo record
- +*Sonchus luxurians* (R.E.Fr.) C.Jeffrey; scrambling annual or short-lived perennial herb <2(-6) m; thicket, forest margins, forest stream banks, roadsides; BDI, COD, ETH, RWA, MWI, RWA, TZA, UGA; KEN [3-6]. Kokwaro
- Sphaeranthus gomphrenoides* O.Hoffm. = *Sphaeranthus steetzii*
- Sphaeranthus steetzii* Oliv. & Hiern; annual or perennial herb 20-120 cm; along watercourses and ephemeral pools; BDI, CMR, ETH, MWI, NGA, RWA, SDN, TZA, UGA, ZMB, ZWE; KEN [1-7]. Althof 2003/73
- +*Sphaeranthus suaveolens* (Forssk.) DC.; erect or trailing perennial herb 10-100 cm; near fresh water, often in dry streambeds; BDI, COD, EGY, ETH, MOZ, MWI, RWA, SDN, TZA, UGA, ZMB; KEN [1, 3-6; new record for Kakamega Forest]. Rembold photo record
- Spilanthes mauritiana* *sensu* Agnew & Agnew in U.K.W.F. ed. 2: 216 (1994) *non* (Rich.) DC. = *Acmella caulirhiza*

- Stomatanthus africanus* (Oliv. & Hiern) R.M.King & H.Rob.; subshrub 20-120 cm; pyrophyte, regularly burnt upland grassland, weed of cultivation and woodland; AGO, BDI, CAF, CIV, CMR, COD, COG, ETH, GAB, GHA, GIN, MOZ, MWI, NGA, RWA, SDN, SEN, SLE, TZA, UGA, ZAF, ZMB, ZWE; KEN [3, 5]. Carrol H5
- **Tagetes minuta* L.; annual herb 10-250 cm; widespread weed; native range South America, naturalized pantropical; KEN [1-7]. Hohl 105
- **Tithonia diversifolia* (Hemsl.) A.Gray; annual or short-lived perennial herb or (scandent) shrub 0.7-3 m; escaped from cultivation (hedgeplant), neophyte on waste ground and near rivers and roadsides; native range Central America, naturalized pantropical in higher rainfall areas; KEN [3-5, 7]. Trapnell 2194
- **Tridax procumbens* L.; annual or perennial herb 15-50 cm; roadsides and waste places; native range Central America, naturalized pantropical weed; KEN [1, 3-7]. Obholzer 98-223
- Vernonia adoensis* Walp.; woody herb or shrub 0.6-4 m; abandoned cultivation and waste places; BEN, BFA, CMR, ETH, GIN, MLI, MOZ, MWI, SDN, SEN, TGO, TZA, UGA, ZMB, ZWE; KEN [2, 3, 5, 6]. Obholzer 62-135
- Vernonia amygdalina* Delile; *Omulusya/Olumulusya/Musuritsa* (Luhya), *Olusia* (Luo); shrub or tree 0.5-10 m; lake shores, riverine, disturbed forest, cultivation; Arabia (YEM) and Africa (BWA, CAF, CMR, ETH, GIN, MLI, MOZ, MWI, SWZ, TZA, UGA, ZAF, ZMB, ZWE; MDG); KEN [2, 3, 5, 6]. Perdue & Kibuwa 9422
- Vernonia auriculifera* Hiern; *Olusia* (Luo); shrub or tree (or woody herb) 1-7.5 m; forest margins, riverine, lake shores, bushland derived from disturbed upland forests; AGO, BDI, CMR, COD, ETH, NGA, RWA, TZA, UGA; KEN [2-6]. Perdue & Kibuwa 9424
- +*Vernonia biafrae* Oliv. & Hiern; (scrambling) shrub 0.7-6 m; forest margins, wet grassland; CAF, CMR, COD, ETH, GAB, GIN, GNQ, LBR, MWI, RWA, TZA, UGA; KEN [3-5]. (Kokwaro)
- +*Vernonia cinerascens* Sch.Bip.; woody herb or shrub 0.4-2(-3) m; dry bushland, woody grassland; Arabia (OMN, YEM) and Africa (AGO, BWA, ETH, NAM, SDN, SOM, TZA, ZAF, ZWE); KEN [1-7]. Mutangah
- Vernonia conferta* Benth.; tree 6-13.5 m; (secondary) forest; AGO, CAF, CIV, CMR, COD, COG, GAB, GHA, GIN, GNQ, LBR, NGA, RWA, SDN, SLE, TGO, UGA; KEN [5 (new); new record for Kenya]. Mwachala & Dumbo 321
- Vernonia hymenolepis* A.Rich.; *Musuritsa* (Luhya); shrub or woody herb (rarely a tree) 1.2-4 m; disturbed places, grassland, upland shrubby grassland; CMR, ETH, SDN, TZA, UGA; KEN [1-6]. Drummond & Hemsley 4748
- Vernonia ituriensis* Muschl.; woody perennial herb 90-200 cm; wet forest margins; BDI, CIV, CMR, COD, GIN, ETH, RWA, SDN, TZA, UGA; KEN [3-5]. Gillett 16695
- Vernonia karaguensis* Oliv. & Hiern; perennial herb <2 m; wooded grassland; AGO, BDI, CMR, COD, COG, ETH, MWI, NGA, RWA, SDN, SLE, TZA, UGA, ZMB, ZWE; KEN [1-6]. Obholzer 80-182
- Vernonia natalensis* Sch.Bip. ex Walp.; perennial herb 45-100 cm; wooded grassland; AGO, LSO, MOZ, MWI, TZA, ZAF, ZMB, ZWE; KEN [4, 5 (new), 6; new record for Kakamega Forest]. Obholzer 30-70

Vernonia smithiana Less.; annual herb 20-90 cm; wooded grassland; AGO, BDI, CAF, CIV, CMR, COD, COG, ETH, GAB, GHA, GIN, MLI, MOZ, NGA, RWA, SDN, SLE, TZA, UGA; KEN [2, 3, 5]. Obholzer 88-09

Vernonia tufnelliae S.Moore = *Vernonia biafrae*

Vernonia wollastonii S.Moore; woody herb or shrub 0.6-3.6 m; evergreen highland grassland and forest margins, riverine amongst rocks; COD, ETH, MOZ, MWI, RWA, SDN, SWZ, TZA, UGA, ZAF, ZMB, ZWE; KEN [3, 5]. Gilbert 6891

Xanthium cf. *pungens* Wallr. = *Xanthium* cf. *strumarium*

+*Xanthium* cf. *strumarium* L.; annual or short-lived perennial herb 30-90 cm; cosmopolitan weed; probably native range North America, naturalized cosmopolitan weed KEN [4, 5]. Obholzer photo record

Balanophoraceae

Thonningia sanguinea Vahl; parasitic hypogeal perennial herb, epigeal inflorescence <7 cm; forest, woodland; AGO, BEN, CAF, CIV, CMR, COD, ETH, GAB, GHA, GNQ, LBR, NGA, SEN, SLE, TGO, TZA, UGA, ZMB, ZWE; KEN [5, restricted to Kakamega Forest]. Mutangah *et al.* K37

Balsaminaceae

Impatiens burtonii Hook.f. var. *burtonii*; perennial herb <1 m; river-banks, swampy sites in montane forests; CMR, COD, RWA, TZA, UGA; KEN [5, (cultivated and naturalized in 3, 4)]. Brown 1771; Verdcourt 1639

Impatiens eminii Warb. = *Impatiens burtonii*

Impatiens hochstetteri Warb. ssp. *hochstetteri*; short-lived perennial herb <40 cm; near streamsides in wet forests; CMR, COD, ETH, GIN, SDN, SLE, SWZ, TZA, ZAF; KEN [2-6]. Drummond & Hemsley 4750

Impatiens meruensis Gilg ssp. *cruciata* (T.C.E.Fries) Grey-Wilson; perennial herb <40 cm; montane forest; SDN, TZA, UGA; KEN [2-6]; LC. Ekkens 2170

Impatiens niamniamensis s.l. Gilg; perennial herb <1 m; wet forest; CAF, CMR, COD, GAB, GNQ, RWA, TZA, UGA; KEN [3-5]. Williams & Piers 595.

Impatiens stuhlmannii Warb. var. *stuhlmannii*; perennial herb <1 m; wet forests; BDI, COD, UGA; KEN [3, 5]. Dale in FD 3274

Basellaceae

+*Basella alba* L.; annual or short-lived perennial herb 1-10 m, succulent tangled twiner / climber; thickets, hedges, riverine vegetation (margins), cultivations, on swampy ground; pantropical, but perhaps naturalized in neotropics; KEN [1, 3-6; new record for Kakamega Forest]. Rembold photo record

Begoniaceae

Begonia eminii Warb.; perennial herb <1.2 m (<4 m climbing), terrestrial, lithophytic or epiphytic; in moist forest often near streams; AGO, BDI, CAF, CMR, COD, COG, GAB, GHA, GNQ, NGA, SDN, TZA, UGA; KEN [5, restricted to Kakamega Forest]. Dale 3250

Begonia oxyloba Welw. ex Hook.f.; perennial herb 10-55(-150) cm (<2 m climbing), terrestrial; in moist forest, near water; AGO, CIV, CMR, COD, COG, GAB, GHA, GNQ, LBR, MOZ, MWI, NGA, RWA, SLE, TGO, TZA, UGA; MDG; KEN [5]. Faden *et al.* 70/40

Bignoniaceae

Fernandoa cf. *magnifica* Seem.; shrub or tree 2-20 m; coastal thicket or woodland; MOZ, MWI, TZA, ZMB, ZWE; KEN [5 (new), 7; new record for Kakamega Forest]. Althof XI/2002

Kigelia africana (Lam.) Benth. ssp. *africana*; *Kumufungu/Morabe* (Luhya), *Yago* (Luo); shrub or tree 2-18(-24) m; grassland or woodland; BDI, BEN, BFA, BWA, CAF, CIV, CMR, COD, ERI, ETH, GMB, GHA, GIN, GNQ, LBR, MLI, MOZ, NAM, NGA, RWA, SDN, SEN, SLE, SOM, SWZ, TCD, TGO, TZA, UGA, ZAF, ZMB, ZWE; cultivated throughout the tropics; KEN [1-7]. Dale 904

Kigelia africana (Lam.) Benth. ssp. *moosa* (Sprague) Bidgood & Verdc.; *Morave* (Luhya); shrub or tree 3-15 m; riverine (evergreen or swamp) forest, forest margins; tropical Africa (W Africa, AGO, BDI, COD, SDN, SLE, TZA, UGA); KEN [4, 5]. Verdcourt 1678

Kigelia moosa Sprague = *Kigelia africana* ssp. *moosa*

Markhamia lutea (Benth.) K.Schum.; *Shisimbali/Lusiola* (Luhya), *Siala* (Luo); tree (5-)15-21(-30) m; wooded grassland, (riverine) forest; BDI, CAF, CIV, CMR, COD, GHA, GNQ, NGA, RWA, SDN, TZA, UGA; KEN [1-6]. Machin 737

Markhamia platycalyx (Baker) Sprague = *Markhamia lutea*

Spathodea campanulata P.Beauv. ssp. *nilotica* (Seem.) Bidgood; *Mutsurio/Mutsulia* (Luhya), *Madungudungu/Nyawend-agata* (Luo); tree 6-30 m; (riverine) forest (margins), scattered tree grassland, West and Central Africa extending to AGO, BDI, COD, RWA, but cultivated throughout the; KEN [2, 4, 5]. Maas Geesteranus 6305

Spathodea nilotica Seem. = *Spathodea campanulata*

Stereospermum kunthianum Cham.; *Mahorlu* (Luhya); shrub or tree 2-20 m; rocky bushland, wooded grassland; BFA, BDI, BEN, CAF, CIV, CMR, COD, ETH, GHA, MWI, MOZ, NER, NGA, SEN, TGO, TZA, UGA, ZAF, ZMB, ZWE; KEN [1-7]. Holyoak 2781

Boraginaceae

Cordia abyssinica R.Br. = *Cordia africana*

Cordia africana Lam.; *Mukumari* (Luhya); evergreen tree 3-15(-30) m; wooded grassland, riverine forest; tropical Arabia (YEM) and Africa (AGO, BDI, CMR, COD, ETH, GIN, MOZ, MWI, NGA, RWA, SDN, TZA, ZAF, ZMB, ZWE; COM, MDG; sometimes cultivated in tropical Asia; KEN [1-6]. Jackson *s.n.*

Cordia millenii Baker; *Mungoma* (Luhya); tree <25 m; wooded grassland, riverine forest; CAF, CIV, COD, GAB, GHA, GIN, SDN, TZA, UGA; KEN [5, restricted to Kakamega Forest]; LC. Makin in FD 3284; Perdue & Kibuwa 9469

Cynoglossum coeruleum A.DC. ssp. *johnstonii* (Baker) Wright; (ascending) perennial herb <120 cm; submontane grassland, forest clearings, pathsides; AGO, CMR, COD, ETH, MWI, TZA, UGA; KEN [3-6]. Lucas 105

+*Cynoglossum lanceolatum* Forssk.; biennial (or perennial) herb 30-120(-180) cm; grassland, river banks, riverine forest, roadsides, cultivated ground; Arabia (YEM), tropical Asia (BTN, IND, NPL, PAK, MMR, THL, IDN, MYS, PHL) and Africa (BDI, COD, ETH, GNQ, LSO, MOZ, MWI, NGA, RWA, TZA, SWZ, UGA, ZAF, ZMB, ZWE; COM; KEN [3-6; new record for Kakamega Forest]. Rembold photo record

Ehretia cymosa Thonn.; *Shekutu/Shikuti* (Luhya); shrub or tree 2-9 m; forest (margins), secondary vegetation; BEN, CAF, CIV, CMR, COD, ETH, GAB, GHA, GNQ, LBR, MOZ, MWI, NGA, RWA, TGO, TZA, UGA, ZMB, ZWE; COM; KEN [1-7]. Drummond & Hemsley 4785

Cactaceae

Rhipsalis baccifera (J.S.Muell.) Stearn ssp. *erythrocarpa* (K.Schum.) Barthlott; epiphytic or lithophytic pendent shrub <3 m; (dry) forest; COD, TZA, UGA; KEN [1, 4-7]. Bjornstad 255

Campanulaceae

Monopsis stellarioides (C.Presl.) Urb. ssp. *schimperiana* (Urb.) Thulin; annual or perennial herb 5-60 cm; upland grassland or marshes; BDI, CMR, COD, ETH, GNQ, MWI, RWA, TZA, UGA, ZMB; COM; KEN [3-6]. Obholzer 58-123

Canellaceae

+*Warburgia ugandensis* Sprague; *Apacha* (Luhya), *Sogo-Maitha* (Luo); tree <42 m; lowland rainforest, upland dry evergreen (riverine) forest, secondary bushland, grassland, often on termite mounds; COD, ETH, TZA, UGA; KEN [4-6]. (Kokwaro) (collected as *Warburgia salutaris*, but most probably misidentified)

Cannabaceae

Celtis africana Burm.f.; *Mweyu/Mwenya* (Luhya); deciduous tree 5-27 m; riverine forest, dry evergreen forest; tropical Arabia (YEM) and Africa (AGO, BWA, CAF, CMR, COD, ERI, ETH, GHA, LSO, MOZ, MWI, NGA, RWA, SDN, SEN, SWZ, TZA, UGA, ZAF, ZMB, ZWE; MDG); KEN [1-5]. Obholzer 77-175, Perdue & Kibuwa 9436

Celtis durandii Engl. = *Celtis gomphophylla*

Celtis gomphophylla Baker; *Nyawend-Agwata* (Luo); tree 8-15(-25) m; moist evergreen forest; AGO, CIV, CMR, COD, ETH, MOZ, MWI, NGA, TZA, UGA, ZAF, ZMB, ZWE; COM, MDG; KEN [1, 4, 5, 7]. Kokwaro 3782

Celtis mildbraedii Engl.; *Shiunza* (Luhya); tree 3-35 m, sharp buttresses; moist evergreen forest; AGO, BEN, CAF, CIV, CMR, COD, COG, ETH, GAB, GHA, GIN, NGA, SDN, TGO, TZA, UGA, ZAF, ZWE; COM, MDG; KEN [4, 5, 7]. Dale 3083

Celtis soyauxii Engl. = *Celtis mildbraedii*

Trema guineensis (Schum. & Thonn.) Ficalho = *Trema orientalis*

Trema orientalis (L.) Blume; *Musagala* (Luhya); evergreen shrub or tree 1.2-12 m; forest margins, riverine (secondary) forest, wooded grassland, pioneer in disturbed forest; tropical Asia, AUS and Africa; KEN [1, 3-7]. Hansen 887

Capparaceae

Ritchiea albersii Gilg; shrub or tree 2-15(-20) m; forest margins, forest patches, riverine forest, plantation understorey; CMR, COD, ETH, NGA, RWA, SDN, TZA, UGA, ZMB, ZWE; KEN [1, 3, 5-7]. Perdue & Kibuwa 9439

Caryophyllaceae

+*Drymaria cordata* (L.) Willd. ex Schult.; straggling procumbent short-lived perennial? herb, stems <1 m; hedges, forest margins, pathsides in the wetter forest zones; pantropical-subtropical; KEN [1, 3-5, 7]. Kokwaro

Stellaria mannii Hook.f.; procumbent perennial herb 1 m; shady forest floor, pathsides of moist highland forest, coffee plantations; CMR, COD, ETH, TZA, UGA, ZWE; COM, MDG, REU; KEN [3-6]. Althof *s.n.*

Celastraceae

+*Elaeodendron buchananii* (Loes.) Loes.; *Kumunyofwe* (Luhya); shrub or tree (1-)5-26(-30) m; riverine woodland, wooded grassland, termites mounds; AGO, COD, ETH, GHA, MWI, SDN, SLE, TGO, TZA, UGA, ZMB; KEN [3-6]. Mutangah

Hippocratea africana (Willd.) Loes. ex Engl. = *Loeseneriella africana* var. *africana*

+*Loeseneriella africana* (Willd.) N.Halle var. *africana*; liana or scandent shrub 2-15 m; riverine forest or (rocky) woodland; BFA, ETH, MLI, NGA, TGO, ZMB; KEN [1-7]. (Mutangah)

Maytenus heterophylla (Eckl. & Zeyh.) N.Robson; *Kumway-akhafu* (Luhya); shrub or tree 1.5-6 m; riverine forest or woodland, thickets, bushy grassland; Arabia (OMN) and Africa (AGO, BDI, BEN, BWA, COD, ETH, MOZ, SOM, TZA, UGA, ZAF, ZMB, ZWE; MDG); KEN [1-7]. Mabberley & Tweedie 1112

+*Maytenus undata* (Thunb.) Blakelock; evergreen shrub or tree 1.5-12(-18) m; forest, evergreen bushland or wooded grassland; tropical Arabia and Africa (AGO, BWA, CIV, CMR, COD, ETH, GIN, LSO, MOZ, MWI, NGA, RWA, SOM, SWZ, TZA, UGA, ZAF, ZMB, ZWE; COM, MDG); KEN [1-7]. Kifcon

+*Salacia cerasifera* Welw. ex Oliv.; *Obolangiso* (Luo); liana <5 m; riverine forest or thickets; AGO, CAF, CIV, CMR, COD, GAB, GHA, GIN, NGA, SDN, SLE, TZA, UGA; KEN [3, 5]. Rembold photo record

Simirestis brianii N.Hallé; woody climber <6 m; forest; COD, SDN, UGA; KEN [5, restricted to Malava Forest]. Tweedie 3264

Clusiaceae

Garcinia buchananii Baker; *Kumukhomeli* (Luhya), *Onjak* (Luo); tree or shrub 1.5-15(-25) m; moist forest, dense wooded grassland; BDI, COD, ETH, MOZ, MWI, RWA, SDN, TZA, ZMB, ZWE; KEN [2, 5-7]. Faden 69/2

Colchicaceae

Gloriosa superba L.; scandent perennial herb 40 cm to several meters; (drier) evergreen forest (margins), bushland; widespread in South-Asia and Africa (AGO, BFA, BEN, CAF, CIV, CMR, COD, ETH, GAB, GHA, GIN, GNQ, LBR, MOZ, MWI, NER, NGA, SDN, SEN, SLE, SOM, TGO, TZA, ZAF, ZMB, ZWE; MDG); KEN [1-7]. Althof *s.n.*

Combretaceae

+*Combretum adenogonium* Steud. ex A.Rich.; *Keyo* (Luo); tree 3-12 m; wooded or bushed grassland; BFA, BEN, CIV, CMR, ETH, GHA, GIN, GNB, MLI, MWA, NGA, SLE, SEN, TGO, TZA, ZMB; KEN [4, 5]. Rembold *s.n.*, Rembold photo record

- Combretum collinum* Fresen. ssp. *binderianum* (Kotschy) Okafor; *Sheraha* (Luhya), *Keyo* (Luo); shrub or tree 2.5-12 m; woody grassland (often dominant tree); AGO, BFA, BEN, BWA, CAF, CIV, CMR, ETH, GHA, GMB, GIN, GNB, MLI, MOZ, MWI, NAM, NER, NGA, RWA, SDN, SOM, SWZ, TCD, TGO, TZA, UGA, ZAF, ZMB, ZWE; KEN [1-5]. Dale 3187
- Combretum collinum* Fresen. ssp. *elgonense* (Exell) Okafor; shrub or tree 2.5-12 m; woody grassland (often dominant tree); COD, SDN, TZA, UGA, ZMB; KEN [2, 3, 5]. Perdue & Kibuwa 9496
- Combretum molle* G.Don; *Sheraha* (Luhya), *Dunga/Keyo* (Luo); tree 2-8(12) m; wooded grassland, woodland, rocky hillsides; Arabia (YEM) and Africa (AGO, BFA, BDI, BEN, CAF, CIV, CMR, ETH, GHA, GIN, GNB, MLI, MOZ, MWI, NGA, SDN, SEN, SLE, SOM, SWZ, TCD, TGO, TZA, UGA, ZAF, ZMB, ZWE); KEN [1-7]. Perdue & Kibuwa s.n.
- Combretum paniculatum* Vent. ssp. *paniculatum*; *Shikaalikanga* (Luhya), *Mdiritsamboko* (Luo); climber, sprawling shrub or liana 2-20 m; riverine forest, wooded grassland, forest margins; AGO, BWA, CIV, CMR, COD, ETH, GAB, GIN, GMB, GNQ, LBR, MOZ, MWI, NGA, SEN, SLE, TZA, UGA, ZAF, ZMB, ZWE; KEN [3-5, 7]. Trapnell 2193
- Terminalia mollis* M.A.Lawson; *Olokhongwe* (Luhya), *Opok* (Luo); tree 2.5-12(-20) m; wooded grassland, often co-dominant; AGO, BEN, CAF, CIV, CMR, COD, GHA, SDN, TGO, TZA, UGA, ZMB; KEN [3, 5]. Perdue & Kibuwa 9480

Commelinaceae

- +*Aneilema beniniense* (P.Beauv.) Kunth; straggling perennial herb <90 cm; rainforest; AGO, BDI, BEN, CAF, CIV, CMR, COD, ETH, GAB, GHA, GIN, GNQ, LBR, NGA, SEN, TZA, UGA, ZMB; KEN [5; restricted to Malava Forest, Yala]. Mutangah
- Aneilema spekei* C.B.Clarke; annual or short-lived perennial herb; grassland, wooded bushland, weed in cultivation; BDI, RWA, TZA, UGA; KEN [3, 5, 6]. Obholzer 50-104
- Commelina africana* L.; perennial herb <50 cm; grassland, disturbed areas; tropical and southern Africa and Arabia; KEN [3-6]. Obholzer s.n.
- Commelina albiflora* Faden; decumbent perennial herb; shady streamsides in moist forest; endemic to KEN [5; endemic to Kakamega Forest]. Faden & Faden 77/900 (K)
- +*Commelina benghalensis* L.; creeping or scrambling ascending perennial herb <1 m; bushland, disturbed habitats, cultivations; native range Old World tropics, naturalizing pantropical; KEN [1-7]. Mutangah
- Commelina capitata* Benth.; straggling perennial herb <120 cm; shady forest; AGO, BFA, CAF, CIV, CMR, COD, GAB, GHA, GNQ, GNB, LBR, NGA, TZA, UGA, ZMB; KEN [5, restricted to Kakamega Forest, Yala]. Malombe *et al.* 1325
- Commelina diffusa* Burm.f.; creeping or weakly ascending, annual or perennial herb; open wet places, swamp margins, drainage ditches, river banks, occasionally wet forests; pantropical; KEN [1-7]. Mabberley & Tweedie 1091
- Commelina diffusa* Burm.f. ssp. *montana* J.K.Morton; annual herb <40 cm; river banks, edges of swamps, wet forests; BDI, CMR, GNQ; KEN [5]. Faden & Faden 77/850; Verdcourt 1650

- Commelina latifolia* Hochst. ex A.Rich.; ascending herb <2 m; weed of cultivation and disturbed habitats; tropical Arabia (YEM) and Africa (COD, ERI, ETH, RWA, TZA, UGA, ZAF; MDG); KEN [3-6]. Faden, Evans & Bally 69/2020
- Commelina schweinfurthii* C.B.Clarke; herb <40 cm; BEN, CIV, CMR, ETH, GIN, NGA, RWA, SDN, SLE, TGO; KEN [?]. Gilbert & Mesfin 6654
- +*Cyanotis* cf. *barbata* D.Don; perennial herb 6-50 cm; grassland, shallow soil over rocks; Asia (from YEM, IND to CHN) and Africa (BDI, BEN, CMR, COD, ERI, ETH, GHA, GNQ, MWI, SDN, TZA, UGA); KEN [3-6?]. Rembold photo record
- Cyanotis longifolia* Benth. var. *longifolia*; perennial herb <1 m; (flooded) grassland; AGO, BEN, BFA, CAF, CIV, CMR, COD, ETH, GAB, GHA, GIN, GNB, LBR, MOZ, MWI, NAM, NGA, RWA, SDN, SLE, TZA, UGA, ZAF, ZMB, ZWE; KEN [3-6]. Dale in F.D. 3276
- Floscopa glomerata* (Willd. ex Schult. & Schult.f.) Hassk.; often straggling perennial herb 20-150 cm; along water courses and standing water in forest or full sun; BFA, BDI, BEN, BWA, CIV, CMR, ETH, GAB, LBR, MWI, NAM, NGA, SEN, SWZ, TZA, UGA, ZAF, ZMB; MDG; KEN [2-6]. Obholzer 58-113
- Murdannia simplex* (Vahl) Brenan; perennial herb <1.30 m; swamps, grassland and rocky places; tropical Asia and Africa (AGO, BFA, BDI, BEN, CIV, CMR, COD, ETH, GAB, GHA, MWI, MOZ, NAM, NGA, SEN, SOM, SWZ, TGO, TZA, UGA, ZAF, ZMB, ZWE; MDG); KEN [1-7].
- Pollio condensata* C.B.Clarke; perennial herb <1 m; forest shade; AGO, CAF, CIV, CMR, COD, ETH, GAB, GHA, GNQ, LBR, NGA, SLE, TZA, UGA; KEN [5; restricted to Kakamega Forest]. Faden & Faden 77/844

Connaraceae

- Agelaea pentagyna* (Lam.) Baill.; *Mubwasi/Otiyuom* (Luo); liana or scandent shrub <30m; moist or riverine forest; AGO, BDI, BEN, COD, CAF, CIV, CMR, GAB, GHA, GIN, GNQ, GNB, LBR, MOZ, MWI, NGA, RWA, SDN, SEN, SLE, TGO, TZA, UGA, ZMB, ZWE; MDG, MUS; KEN [4, 5, 7]. Dale 893
- Agelaea ugandensis* G.Schellenb. = *Agelaea pentagyna*
- +*Connarus longistipitatus* Gilg; liana <30 m; moist forest; COD, GAB, NGA, SDN, TZA, UGA; KEN [4, 5 (new); new record for Kakamega Forest]. Rembold photo record

Convolvulaceae

- Dichondra repens* J.R.Forst. & G.Forst. var. *repens*; creeping perennial herb <60 cm; irrigated grasslands, lawns, roadsides, cultivated areas; pantropical weed; KEN [2-6]. Verdcourt 1707
- Ipomoea involucrata* P.Beauv. var. *involutrata*; twining annual or perennial herb <8 m; grassland, forest, forest clearings and cultivated areas; AGO, BDI, CAF, CIV, CMR, COD, GAB, GHA, GIN, GNQ, LBR, MLI, MWI, NGA, RWA, SEN, TZA, UGA, ZAF, ZMB; KEN [5, Kakamega Forest and by Lake Victoria]. Carrol C19
- +*Ipomoea sinensis* (Desr.) Choisy ssp. *blepharosepala* (Hochst. ex A.Rich.) Verdc. ex A.Meeuse; twining / climbing annual herb <2.5 m; seasonally flooded grassland, roadsides, weed of disturbed ground; Arabia (YEM) and Africa (AGO, BWA, ERI, ETH, NAM, SOM, SWZ, TZA, UGA, ZAF); KEN [1-7]. Kokwaro
- Ipomoea tenuirostris* Choisy; twining/climbing or creeping perennial herb <3 m; cleared upland woodland extending into dry bushland and thicket; CMR, COD,

ERI, ETH, GIN, MOZ, MWI, SDN, TZA, UGA, ZMB, ZWE); KEN [1-6]. Hohl 69

Merremia pterygocaulos (Steud. ex Choisy) Hallier f.; twining/climbing perennial herb <2.5 m; grassland, glades, often by streams and near swamps; BEN, BWA, CAF, CMR, ETH, GHA, GIN, GNQ, LBR, NGA, SDN, SEN, SLE, TZA, UGA, ZAF, ZMB, ZWE; MDG; KEN [3, 5]. Malombe *et al.* 1286

Cornaceae

Alangium chinense (Lour.) Harms; *Mutobolo* (Luhya); tree 9-27 m; wet semideciduous upland forest, pioneer species; Asia (CHN, IND, IDN, JPN, MMR, PHL, THL, VNM) and Africa (AGO, BDI, CMR, COD, ETH, GNQ, RWA, SDN, TZA, UGA, ZMB, ZWE); KEN [4, 5]. Dale 3256

Costaceae

+*Costus spectabilis* (Fenzl) K.Schum.; perennial rosette herb; (wooded) rocky grassland; AGO, BFA, BDI, BEN, CAF, CIV, CMR, COD, ETH, GHA, GIN, MLI, MWI, MOZ, SEN, TCD, TGO, TZA; KEN [3, 5, in wooded grassland at Kakamega]. Agnew & Agnew

Crassulaceae

Bryophyllum proliferum Bowie ex Hook. = *Kalanchoe prolifera*

Crassula alsinoides (Hook.f.) Engl.; creeping mat-forming or ascending perennial herb <50 cm; moist ground by streams and swamps in upland forest and bushland, cultivated land and roadsides; Arabia (YEM) and Africa (BDI, CMR, COD, ETH, MOZ, MWI, RWA, SDN, SOM, SWZ, TZA, UGA, ZAF, ZWE; MDG); KEN [1, 3-5, 7; new record for Kakamega Forest]. Althof *s.n.*

+*Kalanchoe crenata* (Andrews) Haw.; perennial herb 0.3-2 m; forest, bushland, grassland, moist damp places, often among rocks, by roadside in cultivated area; Arabia (SAU, YEM) and Africa (AGO, BFA, BDI, BEN, CAF, CMR, COD, GAB, GIN, GNQ, MWI, SLE, RWA, TZA, UGA, ZAF, ZMB, ZWE); KEN [3, 5, 7; new record for Kakamega Forest]. Rembold photo record

+*Kalanchoe prolifera* (Bowie ex Hook.) Raym.-Hamet; succulent perennial herb <4 m; native range MDG, introduced pantropical as ornamentals. Rembold photo record

Cucurbitaceae

Coccinia adoensis (A.Rich) Cogn.; climber or trailer <3 m; (wooded) grassland; AGO, BWA, CMR, COD, ETH, GHA, MOZ, MWI, NAM, NGA, SDN, SWZ, TZA, UGA, ZAF, ZMB, ZWE; KEN [2-6]. Rembold *s.n.*

+*Coccinia barteri* (Hook.f.) Keay; climber or trailer <5 m; lowland rainforest (margins); AGO, BEN, CIV, CMR, COD, GAB, GHA, GNQ, MLI, MOZ, NGA, SDN, SEN, SLE, TGO, TZA, UGA, ZMB; KEN [5, restricted to Kakamega Forest]. Agnew & Agnew

+*Coccinia grandis* (L.) Voigt; climber or trailer <20 m; deciduous bushland, woodland, wooded grassland, dry evergreen (riverine) forest; tropical Asia (SAU to MYS), AUS, FJI and Africa (CAF, CMR, ETH, GHA, GMB, GNB, MLI, NGA,

- SDN, SEN, SLE, SOM, TCD, TGO, TZA, UGA); cultivated pantropical; KEN [1-7]. Kifcon
- Cucumis aculeatus* Cogn.; trailing or climbing perennial herb 2-3 m; grassland, bushland; COD, ETH, RWA, TZA, UGA; KEN [3, 4, 5 (new), 6; new record for Kakamega Forest]. Rembold *s.n.*
- Cucumis ficifolius* A.Rich; trailing or climbing perennial herb <2 m; dry *Acaia* vegetation; Arabia (YEM) and Africa (ETH, NGA, SDN, SEN, SOM, TCD, TZA, UGA; KEN [1, 3-7]. Rembold *s.n.*
- Cucumis figarei* Naudin = *Cucumis ficifolius*
- Diplocyclos palmatus* (L.) C.Jeffrey; climber <6 m; swamp or groundwater forest (margins), flood-plain, seasonal swamp grassland; tropical Asia (BTN, IND, LKA, MYS, PHL, YEM), AUS and Africa (COD, ETH, MOZ, NAM, SDN, TCD, TZA, UGA, ZAF); KEN [1, 4-7]. Taylor 8
- Momordica cissooides* Planch. ex Benth.; trailing or climbing herb 1-2 m; understorey in rainforest and riverine forest; AGO, BDI, BEN, CAF, CIV, CMR, COD, GAB, GHA, GIN, GNB, GNQ, LBR, NGA, SDN, SLE, TZA, UGA; KEN [3, 5, restricted to Malava Forest and Kaimosi]. Tweedie 3058
- Momordica foetida* Schumach.; trailing or climbing perennial herb <4.5 m; forest margins and clearings, swamp and riverine forest, secondary thickets, weed of disturbed ground and cultivations; BDI, CAF, CIV, CMR, ETH, GAB, GHA, GNQ, LBR, MWI, NGA, RWA, SDN, SLE, TGO, TZA, UGA, ZAF, ZMB, ZWE; KEN [1-6]. Lucas 106
- +*Oreosyce africana* Hook.f.; climber or trailer <3 m; upland grassland, bamboo forest; BDI, CMR, ETH, MWI, TZA, UGA, ZAF, ZWE; MDG; KEN [1-4, 5 (new), new record for Kakamega Forest]. Rembold photo record
- Peponium vogelii* (Hook.f.) Engl.; climber or trailer <8 m; rain- or groundwater forest, forest margins, bamboo thicket, rocky places, woodland, bushland especially near open water; AGO, BDI, BEN, CMR, COD, ETH, GAB, GHA, GNQ, MOZ, MWI, NGA, SDN, TZA, UGA, ZWE; SYC; KEN [1, 3-7]. Verdcourt 1636
- Raphidiocystis chrysocoma* (Schumach.) C.Jeffrey; climber <6 m; lowland rainforest; AGO, CIV, COD, GHA, GIN, LBR, SLE, TGO, TZA, UGA; KEN [5, Kakamega Forest]. Kokwaro 3066
- Zehneria minutiflora* (Cogn.) C.Jeffrey; climber <4.5 m; damp places in grassland, margins of swamps; BDI, BEN, CMR, COD, ETH, GAB, GNQ, TZA, UGA, ZMB; KEN [3-5]. Obholzer 95-221
- +*Zehneria scabra* (L.f.) Sond.; climbing or trailing perennial herb <6 m; rain- and swamp or groundwater forest, forest margins, riverine forest, grass thickets, damp places in bushland or woodland; tropical Arabia, Asia (IND, IDN, PHL) and Africa (BDI, CIV, CMR, ETH, GNQ, LBR, LSO, MWI, RWA, SWZ, TZA, UGA, ZAF, ZMB, ZWE); KEN [1-7]. Mutangah

Cyperaceae

- Abildgaardia* cf. *setifolia* (Hochst. ex A.Rich.) Lye; tufted perennial herb <30 cm; montane to subalpine heath and grassland; BDI, COD, ETH, RWA, TZA; KEN [?]. Obholzer 43-94
- Bulbostylis* cf. *atrosanguinea* (Boeckeler) C.B.Clarke = *Abildgaardia setifolia*
- Carex chlorosaccus* C.B.Clarke; tufted perennial herb 60-100 cm; moist forest along paths and roads; BDI, RWA, TZA, UGA; KEN [4, 5]. Lye & Katende 4961

- Cyperus denudatus* L.f.; perennial herb <60 cm; marshy grassland; AGO, BWA, COD, GAB, GHA, LSO, MWI, NAM, RWA, SWZ, TGO, TZA, UGA, ZAF, ZMB; MDG; KEN [?]. Obholzer 7-22
- Cyperus latifolius* Poir.; perennial herb <120 cm; swamps; BDI, BWA, CMR, COD, ETH, RWA, SWZ, TZA, ZAF; MDG; KEN [?]. Obholzer *s.n.*
- Cyperus renschii* Boeck. var. *renschii*; perennial herb; riverine forest; BEN, CIV, CMR, GAB, GHA, GIN, GNQ, LBR, NGA, SLE, TZA, ZMB; MDG; KEN [?]. Mwachala *et al.* 446
- Fimbristylis complanata* (Retz.) Link; tufted perennial herb 25-180 cm; rocky places; pantropical; KEN [?]. Obholzer 108-255
- Fimbristylis dichotoma* (L.) Vahl; tufted perennial or annual herb <1 m; damp grassland, stream banks, swamps; pantropical; KEN [?]. Obholzer 1-1
- Fuirena stricta* Steud. var. *chlorocarpa* (Ridl.) Kük.; tufted perennial herb <40 cm; damp ground near water; AGO, CMR, COD, NGA, TZA, ZAF; MDG; KEN [?]. Hooper & Townsend 1503
- Kyllinga appendiculata* K.Schum.; herb <30 cm; alpine grassland; CMR, ETH, GNQ, RWA, TZA; KEN [?]. Obholzer 25-61
- Kyllinga bulbosa* P.Beauv.; perennial herb 10-30 cm; grassland and disturbed areas; CMR, ETH, GHA, GIN, MLI, NGA, RWA, SLE; KEN [?]. Gilbert & Mesfin 6639
- Kyllinga erecta* Schumach.; perennial herb 12-50 cm; damp grassland; BEN, BFA, BWA, CAF, CIV, CMR, COD, GAB, MLI, NGA, TCD, TGO, TZA, ZAF, ZMB; COM, MDG; KEN [?]. Gilbert & Mesfin 6636
- Kyllinga erecta* Schumach. var. *polyphylla* (Willd. ex Kunth) S.S.Hooper; perennial herb 12-50 cm; damp grassland; KEN [?]. Hooper & Townsend 1474
- Kyllinga melanosperma* Nees; perennial herb <45 cm; damp places; tropical Asia (IND, MYS, LKA, THL, VNM) and tropical Africa (from NGA to ZAF; MDG); KEN [?]. Mwachala *et al.* 452
- Kyllinga polyphylla* Willd. ex Kunth var. *polyphylla* = *Kyllinga erecta* Schumach. var. *polyphylla*
- Kyllinga pumila* Michx.; herb <40 cm; moist places, along rivers, swamps; tropical America and Africa; KEN [?]. Mwachala *et al.* 418 ; Hooper & Townsend 1484
- Lipocarpha chinensis* (Osbeck) Kern; perennial herb 25-70 cm; wet grassland, swamp, weed; Asia (CHN to IDN, JPN, IND, MYS, PHL, PNG), AUS and Africa (AGO, BFA, BDI, BEN, BWA, CAF, CIV, CMR, COD, ETH, GAB, GHA, GNB, GNQ, LBR, MLI, MWI, NAM, NER, NGA, RWA, SDN, SEN, SLE, SWZ, TGO, TZA, UGA, ZAF, ZMB, ZWE; MDG, MUS); KEN [?]. Gilbert & Mesfin 6703
- Lipocarpha nana* (A.Rich) Cherm.; annual herb <30 cm; wet grassland; AGO, CMR, COD, ETH, GIN, MOZ, MWI, NGA, ZAF, ZMB; KEN [?]. Obholzer 1-2
- +*Pycneus flavescens* (L.) Reichb.; annual herb <30 cm; wet places; pantropical; KEN [?]. Rembold photo record
- Rhynchospora gracillima* Thwaites ssp. *subquadrata* (Cherm.) J.Raynal; herb <80 cm; marshy places, edges of streams and lakes; BFA, CAF, CIV, GHA, GIN, MLI, SEN, TGO; MDG; KEN [?]. Mwachala *et al.* 451
- Schoenoplectus corymbosus* (Roth ex Roem. & Schult.) J.Raynal var. *brachyceras* (Hochst. ex A.Rich.) Lye; perennial herb 0.5-3 m; swamps; ETH, BWA, MWI, SOM, TZA, ZAF, ZWE; MDG; KEN [?]. Obholzer 58-115

Scleria distans Poir.; perennial herb 15-65(-75) cm; wet (seasonally flooded) upland grassland; tropical America and Africa (BWA, CIV, ETH, GAB, NGA, TZA, ZAF; MDG); KEN [?]. Mwachala *et al.* 448

Scleria lagoensis Boeck.; perennial herb <1.50 m; wet (seasonally flooded) grassland; tropical South America and Africa (BFA, CIV, GHA, GIN, NGA, SDN, SEN, SLE, TZA; COM, MDG); KEN [?]. Obholzer 1-6

Scleria melanomphala Kunth; perennial herb <2 m; swamps, wet sites in grassland and forest; South America and Africa (CIV, CMR, GHA, GIN, GNQ, LBR, NGA, SDN, SLE, TZA; UGA, ZAF; MDG); KEN [?]. Mwachala *et al.* 449 ; Obholzer 59-128

Dilleniaceae

+*Tetracera potatoria* Afzel. ex G.Don; scandent shrub or liana <5(-30) m; fresh-water swamp forest, remnant patches of rainforest and thicket; BEN, CAF, COD, GAB, GIN, GMB, GNB, LBR, NGA, SDN, SEN, SLE, TGO, TZA, UGA; KEN [5 (new); new record for Kenya]. Rembold photo record

Dioscoreaceae

+*Dioscorea bulbifera* L.; perennial herb or subshrub <12 m (tuber and twining stems replaced annually); rainforest (margins and clearings), riverine forest, woodland, (wooded) grassland, termite mounds; Old World tropics, in cultivations; KEN [?]. Rembold photo record

Dioscorea odoratissima Pax; perennial herb or subshrub <12 m (tuber and twining stems replaced annually); rainforest (margins), riverine forest, termite mounds; AGO, CAF, CMR, MWI, SLE, TZA, UGA, ZMB; KEN [5, restricted to Malava Forest]. Tweedie 2901, Tweedie 3086

Dioscorea schimperiana Hochst. ex Kunth; perennial herb or subshrub <8 m (tuber and twining stems replaced annually); rainforest (margins and clearings), riverine forest, woodland, (wooded) grassland, termite mounds; BDI, CAF, CMR, ETH, GAB, MOZ, MWI, NGA, TZA, UGA, ZMB, ZWE; KEN [2, 3, 5]. Paulo 529

Ebenaceae

Diospyros abyssinica (Hiern) F.White; *Lusui* (Luhya), *Ochol* (Luo); tree 9-30 m; dry or riverine forest; COD, ETH, GAB, GHA, GIN, MLI, MOZ, NGA, TZA, UGA, ZMB, ZWE; KEN [1, 3-7]. Wye 319

Eriocaulaceae

Eriocaulon transvaalicum N.E.Br. ssp. *dembianense* (Chiov.) S.M.Phillips; annual herb 4-9 cm; swampy grassland; AGO, BDI, CAF, COD, ETH, MOZ, MWI, NAM, TZA, UGA, ZAF, ZMB; KEN [1, 3-5]. Mwachala *et al.* 450

Euphorbiaceae

+*Acalypha bipartita* Müll.Arg.; scrambling subshrub <3 m; rocky bushland; BDI, COD, RWA, SDN, TZA, UGA; KEN [5]. Rembold photo record

Acalypha brachystachya Hornem.; annual herb <30 cm; deciduous woodland in shade, roadsides, weed of waste places; tropical Asia (CHN, IDN, IND, LKA, THA, TWN) and Africa (CMR, COD, ETH, GAB, MWI, RWA, TZA, UGA); KEN [3-6]. Drummond & Hemsley 4754

- +*Acalypha fruticosa* Forssk.; aromatic shrub 1.3-5 m; riverine forest, woodland, dry bushland on rocky soil; tropical Asia (IND, LKA, MMR, PHL), Arabia (SAU, YEM) and Africa (BDI, ETH, GIN, MOZ, NAM, SDN, SOM, TZA, UGA, ZMB, ZWE); KEN [1-7]. Mutangah
- Acalypha neptunica* Müll.Arg.; shrub or tree 1-4 m; (riverine) forest, limestone outcrops (coast); CAF, CMR, COD, GHA, SDN, TZA, UGA; MDG; KEN [3-7]. Gilbert 6888
- Acalypha ornata* Hochst. ex A.Rich.; perennial herb or subshrub 1-5 m; moist forest or riverine vegetation; AGO, BDI, BWA, CAF, CMR, ERI, ETH, MOZ, MWI, NAM, NGA, SWZ, TZA, UGA, ZAF, ZMB, ZWE; KEN [2-7]. Althof 2002/5
- Acalypha psilostachya* Hochst. var. *glandulosa* Hutch.; perennial herb or shrub <3 m; forest margins and understory, swamp forest, submontane grassland; BDI, COD, MOZ, MWI, TZA, UGA, ZMB; KEN [2, 5]. Althof XI/2002
- Acalypha racemosa* Wall. ex Baill.; perennial herb or shrub 0.3-2.5 m; upland forest (margins) or riverine vegetation; tropical Arabia, Asia (IND, LKA) and Africa (AGO, CIV, CMR, COD, ETH, ERI, MOZ, MWI, TGO, TZA, UGA, ZWE); KEN [1, 3, 5-7]. Kamau *et al.* 279
- Acalypha volkensii* Pax; shrub <1 m; upland grassland; BDI, ETH, SDN, SOM, TZA, UGA; KEN [1-7]. Mwangangi & Gliniars 62
- Alchornea cordifolia* (Schumacher & Thonn.) Müll.Arg.; shrub or tree 4-8 m; moist riverine forest; BDI, BEN, CAF, CIV, CMR, COD, GAB, GHA, GIN, GNB, GNQ, LBR, MLI, NGA, SDN, SLE, SEN, TGO, TZA, UGA; KEN [5, restricted to lower Yala River]. Birch 60/476
- Alchornea laxiflora* (Benth.) Pax & K.Hoffm.; *Manamulira/Mutsutsu* (Luhya); shrub or tree 1-7(-10) m; forest, riverine vegetation, woodland; AGO, BDI, CMR, COD, GAB, GIN, ETH, MOZ, NGA, SLE, SWZ, TZA, UGA, ZAF, ZWE; KEN [5, 7]. Faden & Evans 69/2032
- +*Argomuellera macrophylla* Pax; shrub or tree 2-4(-9) m; rainforest, riverine forest; AGO, CIV, CMR, COD, ETH, GAB, GHA, GIN, GNQ, LBR, MOZ, RWA, TZA, UGA, ZWE; KEN [1, 4, 5 (new), 6, 7; new record for Kakamega Forest]. Rembold photo record
- Clusia abyssinica* Jaub. & Spach; shrub 1-3(-6) m; forest (remnants), secondary bushland, wooded grassland; AGO, BDI, COD, ETH, MOZ, MWI, SDN, SOM, TZA, UGA, ZAF, ZMB, ZWE; KEN [1-7]. Althof *s.n.*
- Croton alienus* Pax; shrub or tree 1.2-4.5 m; dry upland evergreen forest, secondary forest; endemic to KEN [4, 5]; EN. Adam 1005
- Croton macrostachyus* Hochst. ex Delile; *Musutsu* (Luhya), *Ngong'Ngo'* (Luo); tree 3-25 m; upland forest (remnants, margins), riverine forest or woodland, wooded grassland; tropical Arabia and Africa (AGO, CMR, COD, ERI, ETH, GIN, MWI, TZA, UGA, ZMB, ZWE; MDG); KEN [1-6]. Paulo 538
- Croton megalocarpus* Hutch.; *Musine* (Luhya); tree 6-36 m; upland forest, (riverine or near springs) woodland, wooded grassland; RWA, TZA; MDG; KEN [1, 3-6]. Gilbert *et al.* 6824
- Croton sylvaticus* Hochst.; *Musudu/Munamaliru* (Luhya); tree 3.5-24 m; moist evergreen forest; AGO, CAF, CMR, COD, ETH, GAB, GHA, GIN, MWI, SWZ, TZA, UGA, ZAF, ZWE; KEN [3-7]. Holyoak 2560
- +*Endospermum* sp.; tree. Kifcon

- Erythrococca atrovirens* (Pax) Prain; *Shirietso* (Luhya); shrub 1.5-3 m; riverine bush, wooded grassland; BDI, CAF, CIV, CMR, COD, SDN, TZA, UGA; KEN [5]. Davidoe 7119
- Erythrococca bongensis* Pax; *Shiriedzo* (Luhya); shrub or tree 1-4(-6) m; dry forest, riverine bushland or woodland, shrubby grassland; BDI, SDN, TZA, UGA; KEN [1-7]. Gillet 16679
- Erythrococca trichogyne* (Müll.Arg.) Prain; shrub 1-3 m; moist forest (margins or clearings), riverine forest; AGO, BWA, COD, ETH, MOZ, MWI, RWA, TZA, UGA, ZMB, ZWE; KEN [5]. Althof XI/2002
- +**Euphorbia hirta* L.; annual herb <50 cm; roadside; native range Central America, naturalized pantropical-subtropical weed; KEN [1-7]. Rembold photo record
- +*Euphorbia inaequilatera* Sond.; annual herb <50 cm; open patches in dry grassland, pastures, waste ground, on seasonally wet gravelly, sandy or clay soils; Arabia and Africa (AGO, BWA, ETH, DZA, LSO, MLI, MRT, MOZ, NAM, NER, RWA, SOM, SWZ, TZA, UGA, ZAF, ZMB; CPV); KEN [1-7]. Kokwaro
- Macaranga capensis* (Baill.) Sim var. *kilimandscharica* (Pax) Friis & M.G.Gilbert; *Mukahoh/Mukuhakuha* (Luhya); tree 6-24 m; moist upland forest (margins); BDI, ETH, MWI, RWA, TZA, UGA; KEN [3-5, 7]. Schultka 7
- Macaranga kilimandscharica* Pax = *Macaranga capensis* var. *kilimandscharica*
- Macaranga schweinfurthii* Pax; *Subuhu* (Luhya); tree <25 m; riverine or swamp forest; AGO, BDI, CAF, CMR, COD, GAB, NGA, SDN, TZA, UGA, ZMB; KEN [5]. Maher *s.n.*
- Mallotus oppositifolius* (Geiseler) Müll.Arg.; shrub or tree 1-8 m; forest (margins), coastal bush; AGO, BEN, CAF, CIV, CMR, COD, COG, ETH, GAB, GHA, GMB, LBR, MOZ, MWI, NGA, SEN, TGO, TZA, ZMB; MDG; KEN [5, 7]. Faden *et al.* 70/36
- Neoboutonia macrocalyx* Pax; tree (2-)7-25 m; upland forest (margins and clearings), pioneer in disturbed moist forest; BDI, CMR, COD, MWI, TZA, UGA; KEN [1-7]. Malombe *et al.* 1303
- Neoboutonia melleri* (Müll.Arg.) Prain; *Opuh* (Luo); shrub or tree 3.5-9 m; rainforest, riverbanks; AGO, CMR, COD, COG, MOZ, MWI, NGA, SDN, TZA, UGA; KEN [5]. Hooper & Townsend 1494
- Ricinus communis* L.; *Mubonebone* (Luhya); woody perennial herb 1-5 m; bushed grassland to rainforest, often ruderal; native range tropical Africa, introduced in tropical, subtropical and temperate regions of the world; KEN [1-7]. Bahl in EA 13324
- Sapium ellipticum* (Hochst.) Pax = *Shirakiopsis elliptica*
- Shirakiopsis elliptica* (Hochst.) Esser; *Mugoso/Musasa* (Luhya), *Amoyo/Achaka* (Luo); tree 4-20 m; riverine forest; AGO, BDI, BEN, CAF, CIV, CMR, COD, ETH, GAB, GIN, MWI, SWZ, TZA, UGA, ZAF, ZMB, ZWE; KEN [1, 3-6]. Perdue & Kibuwa 9467
- Suregada procera* (Prain) Croizat; *Ochod-Oboke* (Luo); tree (rarely shrub) 4.5-18 m; dry evergreen forest, riverine forest; COD, ETH, MOZ, MWI, SDN, TZA, UGA, ZAF, ZMB, ZWE; KEN [4, 5]. Faden & Faden 77/859
- Tragia brevipes* Pax; climber <3 m; understory of riverine forest (margins) and thickets; BDI, CMR, ETH, RWA, SOM, TZA, UGA, ZWE; KEN [1-7]. Mwangangi 2566

Fabaceae – Caesalpinioideae

- +**Acrocarpus fraxinifolius* Wight & Arn.; tree <60 m; plantation timber, native range Asia (CHN, IDN, IND, THL, VNM), introduced and cultivated throughout the tropics. Kifcon
- Bauhinia thonningii* Schumach. & Thonn. = *Piliostigma thonningii*
- Bauhinia tomentosa* L.; shrub or tree <8 m; riverine forest, wooded grassland; tropical and southern Africa, grown for ornament in tropical Asia and America; KEN [1, 4, 6, 7]. Obholzer *s.n.*
- Caesalpinia volkensii* Harms; climber or liana 1.8->4 m; evergreen or riverine forest (margins); TZA, UGA; KEN [4-7]. Faden & Faden 77/851
- Cassia didymobotrya* Fresen. = *Senna didymobotrya*
- Cassia kirkii* Oliv. var. *kirkii* = *Chamaecrista kirkii* var. *kirkii*
- Cassia petersiana* Bolle = *Senna petersiana*
- Chamaecrista kirkii* (Oliv.) Standl. var. *kirkii*; annual herb 30-120(-240) cm; grassland, marshy places, forest margins and clearings; BDI, CMR, COD, GAB, LBR, MWI, NGA, TZA, UGA, ZMB, ZWE; KEN [3-5]. Verdcourt 1659
- Chamaecrista mimosoides* (L.) Greene; annual or short-lived perennial herb 0.6-10 cm; Old World tropics; KEN [?]. Obholzer & Fischer *s.n.*
- Piliostigma thonningii* (Schumach.) Milne-Redh.; *Kumuyenjayenja* (Luhya), *Otangalo* (Luo); shrub or tree (2-)3-10 m; woodland, wooded grassland; Arabia (YEM) and Africa (AGO, BDI, BEN, BFA, BWA, CAF, CIV, CMR, COD, ETH, GAB, GHA, GIN, GMB, GNB, MLI, MOZ, MWI, NAM, NGA, SDN, SEN, SLE, TCD, TGO, TZA, UGA, ZAF, ZMB, ZWE); KEN [2-7]. Althof 2003/2
- +**Pterolobium stellatum* (Forssk.) Brenan; scrambling or scandent shrub 2-15 m; drier forest margins and riverine forest; Arabia (YEM) and Africa (ERI, ETH, MOZ, MWI, SDN, TZA, UGA, ZAF, ZWE); KEN [1-6]. Kifcon
- Senna didymobotrya* (Fresen.) H.S.Irwin & Barneby; *Luvino* (Luhya), *Ovino* (Luo); shrub or tree 1-7.5 m; lake shores, riverine, forest margins, upland grassland or woodland, old cultivations, hedgeplant; native range Africa (AGO, BDI, COD, ETH, MOZ, MWI, RWA, SDN, TZA, UGA, ZMB, ZWE); cultivated pantropical; KEN [1, 3-(7?)]. Paulo 552
- Senna petersiana* (Bolle) Lock; shrub or tree (0.6-)2-6(-12) m; riverine forest, moist forest margins, deciduous woodland, coastal evergreen bushland, wooded grassland; CAF, CMR, ETH, MOZ, SDN, TZA, UGA, ZAF; MDG; KEN [3, 5]. Maas Geesteranus 6268
- +**Senna spectabilis* (DC.) H.S.Irwin & Barneby; shrub or tree <9 m; woodland, disturbed secondary habitats; native range South America (from Caribbean to ARG), introduced pantropical; KEN [?]. Rembold photo record

Fabaceae – Mimosoideae

- +**Acacia abyssinica* Hochst. ex Benth. ssp. *calophylla* Brenan; *Munyenya* (Luhya), *Ogongo* (Luo); tree 6-15(-20) m; wooded grassland, forest margins; COD, ETH, MOZ, MWI, RWA, SDN, TZA, UGA, ZWE; KEN [3-5]. Rembold photo record
- +**Acacia brevispica* Harms; *Osiri* (Luo); shrub or tree 1-7 m; dry bushland, woodland, upland forest margins, rocky stony soil; AGO, BDI, CAF, COD, ETH, MOZ, MWI, RWA, SDN, SOM, SWZ, TZA, UGA, ZAF; KEN [1-7]. Mutangah

- +*Acacia lahai* (Steud. & Hochst. ex Benth.; *Kumunyanya/Mukunga* (Luhya), *Alaktar* (Luo); tree 3-15 m; cleared upland forest, woodland; ERI, ETH, TZA, UGA; KEN [2-6]. Kifcon
- Acacia monticola* Brenan & Exell = *Acacia montigena*
- Acacia montigena* Brenan & Exell; *Mughobari* (Luhya); scandent shrub or climber <30 m; forest; BDI, COD, ETH, MWI, RWA, TZA, UGA, ZMB; KEN [5, restricted to Kakamega Forest]. Carroll 15
- Albizia grandibracteata* Taub.; *Mukhonzuli/Kumusubiu* (Luhya), *Mgojore/Owak* (Luo); tree 6-30 m; rainforest (margins and remnants), riverine forest; BDI, COD, ETH, SDN, TZA, UGA; KEN [1, 3, 5]. Hansen 932
- Albizia gummifera* (J.F.Gmel.) C.A.Sm.; tree 4.5-30 m; forest margins, riverine forest; CMR, COD, ETH, MOZ, NGA, SDN, TZA, UGA, ZWE; MDG; KEN [3-7]. Perdue & Kibuwa 9433
- +*Albizia zygia* (DC.) Macbr.; *Oturbam* (Luo); tree (4.5-)9-30 m; riverine forest, woodland; BFA, BDI, BEN, CAF, CIV, CMR, COD, GAB, GHA, GIN, GNB, GNQ, MLI, NGA, SDN, SEN, SLE, TGO, TZA, UGA, ZWE; MDG; KEN [5]. Kifcon
- Entada abyssinica* Steud. ex A.Rich.; *Mushembut* (Luhya); tree 3-15 m; wooded grassland, riverine forest, forest margins; AGO, BDI, BEN, BFA, CAF, CIV, CMR, COD, ERI, ETH, GHA, GIN, MLI, MOZ, MWI, NGA, RWA, SDN, SLE, SOM, TGO, TZA, UGA, ZMB, ZWE; MDG; KEN [2, 3, 5, 7]. Perdue & Kibuwa 9463
- Entada gigas* (L.) Fawc. & Rendle; liana <25 m; river banks; tropical America (BLZ, Caribbean, COL, HND, PAN, VEN) and Africa (AGO, CAF, CIV, CMR, COD, GAB, GHA, GNQ, LBR, SDN, SLE, TGO, UGA, ZMB; MDG); KEN [5, restricted to Kakamega Forest]. Kokwaro 3128
- +*Tetrapleura tetraptera* (Schumach. & Thonn.) Taub.; tree 6-30 m; forest; BEN, CAF, CIV, CMR, COD, GAB, GHA, GIN, GNB, GNQ, LBR, NGA, SDN, TGO, TZA, UGA; KEN [5 (new), 7; new record for Kakamega Forest]. Rembold photo record

Fabaceae – Papilionoideae

- Abrus* sp.; woody climber. Althof X/2002
- Aeschynomene schimperi* Hochst. ex A.Rich., semi-woody shrub or perennial herb 0.6-3 m; swampy places, stream bank, lake-sides, flooded grassland or wooded areas, marshes, dambos; BDI, CMR, COD, ERI, ETH, GNB, NER, MWI, RWA, SEN, SLE, TZA, UGA, ZMB, ZWE; MDG; KEN [1, 3, 4, 6, 7]. Obholzer 112-259
- Alysicarpus vaginalis* (L.) DC. var. *villosus* Verdc.; erect or straggling perennial herb 10-60 cm, woody root-stock; uncommon in dry bushland and waste places; species is palaeotropical, the variety only TZA and KEN [5 (new), 7; new record for Kakamega Forest]. Obholzer 84-189
- Calpurnia aurea* Baker; *Murut* (Luo); shrub or tree 2-4.5(-10) m; moist forest margins and riverine forest; AGO, CAF, COD, ERI, ETH, MOZ, SOM, SWZ, TZA, UGA, ZAF, ZMB, ZWE; KEN [3-5]. Maas Geesteranus 4976
- Craibia brownii* Dunn; *Muhandi/Muhonde* (Luhya); tree 3-24 m; riverine or moist forest; COD, RWA, SDN, TZA, UGA, ZMB; KEN [3-7]. Lucas 147
- +*Crotalaria agatiflora* Schweinf.; woody perennial herb or shrub (0.5-)1-3(-10) m; bushed grassland, roadsides, forest margins, waste places; native range Africa

- (BDI, COD, ETH, RWA, TZA, UGA), cultivated and introduced in AUS, MEX, South America; KEN [3-6]. Rembold photo record
- Crotalaria cleomifolia* Welw. ex Baker; shrubby perennial herb 1-4 m; river banks, swamp margins, grassland, bushland, roadsides, cultivated areas; native range Africa (AGO, BDI, BEN, CAF, CMR, COD, ETH, GIN, LBR, MLI, MOZ, MWI, NGA, RWA, SLE, SOM, TGO, TZA, UGA, ZMB, ZWE; MDG), introduced in Asia; KEN [3-5]. Paulo 506, Gilbert & Mesfin 6660
- Crotalaria karagwensis* Taub.; annual herb <1 m; montane grassland; BDI, CMR, COD, ETH, RWA, TZA, UGA; KEN [3, 5]. Obholzer 65-142
- Crotalaria ononoides* Benth.; ascending annual herb <1 m; grassland, dambos, flood plains, disturbed places; AGO, BDI, BEN, CAF, CIV, CMR, COD, ETH, GHA, GNB, MLI, NGA, RWA, SEN, SLE, TZA, UGA, ZMB; MDG; KEN [3, 5, 6]. Obholzer *s.n.*
- Crotalaria pallida* Aiton; annual or short-lived perennial 1-2(-3) m; river banks or bushland near lakes extending into woodland and grassland, cultivated areas; pantropical; KEN [3, 5]. Tweedie 1494
- Crotalaria recta* Steud. ex A.Rich.; perennial herb 1-2.7 m; grassland, bushland, margins of swamps and forests, cultivated areas; AGO, BDI, CAF, CMR, COD, ERI, ETH, MOZ, MWI, NGA, RWA, SOM, SWZ, TZA, UGA, ZAF, ZMB, ZWE; KEN [3-6]. Paulo 545
- Dalbergia lactea* Vatke; tree or shrub 1.5-3(-9) m or liana <25 m; margins and clearings of swamp- and rainforest; riverine forest, bushland, upland grassland; BDI, CMR, ETH, GAB, LBR, MOZ, MWI, NGA, RWA, SDN, SLE, TZA, UGA, ZMB, ZWE; KEN [2-5]. Graham 9
- **Desmodium adscendens* (Sw.) DC.; annual or perennial herb <1 m; shaded forest clearings or margins, old cultivated fields, grassland of stream banks; probably native range Central America, introduced in tropical Africa, Asia and the Pacific region; KEN [5, 7]. Gilbert & Mesfin 6677
- Desmodium barbatum* (L.) Benth.; perennial herb 0.1-1 m; wooded grassland; tropical America and Africa; KEN [3, 5-7]. Obholzer 82-186
- Desmodium repandum* (Vahl) DC.; perennial herb 0.5-1 m; shaded places in dry evergreen or rainforest (margins), grassland, cultivated areas, especially by streams and along pathsides; tropical Asia (from YEM to IND, CHN, IDN, THL, PHL, MYS) and Africa (AGO, BDI, CMR, ETH, GIN, GNQ, MWI, TZA, UGA, ZAF; COM, MDG, MUS, REU); KEN [1-7]. Gilbert & Mesfin 6606
- Desmodium setigerum* (E.Mey.) Benth. ex Harv.; perennial herb <1 m; wet (riverine) grassland, swamp forest; AGO, BDI, BEN, BFA, CAF, CIV, CMR, COD, GAB, GHA, GIN, GNB, GNQ, LBR, MLI, MOZ, MWI, NGA, RWA, SEN, SLE, SWZ, TZA, UGA, ZAF, ZMB, ZWE; KEN [5]. Obholzer 5-19
- Desmodium spec.A. sensu* Agnew & Agnew (1994); perennial herb <2 m; roadsides, forest edges; KEN [3-5?]. Althof VII/2003
- Desmodium triflorum* (L.) DC.; annual or perennial herb <20 cm; stony grassland; pantropical; KEN [5, 7]. Obholzer 16-36
- Dumasia villosa* DC.; climbing perennial herb 1.5-3 m; evergreen forest, thicket; tropical Asia (from PAK to CHN, IDN, TWN, MYS, PHL, PNG) and Africa (COD, ETH, MOZ, MWI, SWZ, TZA, UGA, ZAF, ZMB, ZWE; MDG); KEN [3-6]. Paulo 557

- Eriosema flemingioides* Baker; herb or subshrub 0.6-3 m; swamps, dambos, disturbed grassland; CIV, NGA, SDN, UGA; KEN [5]. Obholzer 20-48
- Eriosema montanum* Baker f. var. *montanum*; perennial herb 0.2-1.5 m; wooded grassland, shrub, bushland, forest margins; AGO, BDI, CAF, CMR, COD, ETH, GNQ, MLI, MWI, NGA, RWA, SDN, TZA, UGA, ZMB, ZWE; KEN [3-5]. Verdcourt 1647
- Eriosema psoraleoides* (Lam.) G.Don; perennial herb or subshrub 0.75-2.4 (3.6) m; on sandy soils usually in marshy or damp places, lake shores, river banks, disturbed rocky *Acacia* bushland and grassland, on termite mounds, as a weed in cultivations; Asia (IND) and Africa (AGO, BDI, BEN, BFA, BWA, CAF, CIV, CMR, COD, COG, ETH, GAB, GHA, GNB, GNQ, KEN, MDG, MOZ, MWI, NGA, SDN, SEN, SLE, TGO, TZA, UGA, ZAF, ZMB, ZWE; MDG); KEN [3-6]. Obholzer 36-179
- Erythrina abyssinica* Lam. ex DC. ssp. *abyssinica*; *Kumurembe/Umtembe* (Luhya), *Murembe/Orembe* (Luo); tree 2-15 m; wooded grassland, forest margins, rocky bushland, relic of burnt wooded grassland in cultivated ground; AGO, BDI, BWA, COD, ETH, MOZ, MWI, RWA, SDN, TZA, UGA, ZMB, ZWE; KEN [1-7]. Mwangangi & Gliniars 54
- Glycine wightii* (Graham ex Wight & Arn.) Verdc. ssp. *pseudojavanica* (Taub.) Verdc. = *Neonotonia wightii* ssp. *pseudojavanica*
- Indigofera arrecta* Hochst. ex A.Rich.; *Lukeyu* (Luhya), *Olando* (Luo); shrub or woody perennial herb 0.3-3.5 m; wooded grassland, forest margins, deciduous and upland evergreen bushland, near cultivation; native range Arabia (SAU, YEM) and Africa (AGO, BDI, BEN, CMR, COD, ERI, ETH, GAB, GHA, GIN, GMB, GNB, MLI, MOZ, MWI, NER, NGA, RWA, SDN, SEN, SOM, SWZ, TGO, TZA, UGA, ZAF, ZMB, ZWE; MDG), introduced to Asia; KEN [1-7]. Paulo 517
- Indigofera conjugata* Baker; perennial herb <50 cm; short grassland, wooded grassland, roadsides, cultivation; AGO, BDI, BEN, CAF, CIV, CMR, COD, ETH, GAB, GIN, MLI, SDN, TZA, UGA; KEN [3, 5]. Carroll H4
- Indigofera mimosoides* Baker var. *mimosoides*; annual or perennial herb <1 m; grassland, bushland, forest margins; AGO, CMR, COD, ETH, MOZ, MWI, TZA, UGA, ZMB; KEN [2, 3, 5]. Obholzer 20-47
- Indigofera spicata* Forssk.; prostrate or ascending perennial herb; grassland, weed of disturbed ground; native range Old World tropics, introduced in America; KEN [1-7]. Obholzer 41-89
- +*Indigofera volkensii* Taub.; perennial herb <40 cm; wooded grassland, cultivation; BDI, BEN, CAF, CIV, CMR, ETH, GAB, MLI, SDN, SOM, TZA, UGA; KEN [1-7]. Kokwaro
- Kotschya africana* Endl. var. *bequaertii* (De Wild.) Verdc.; shrub or tree 1-4(-6) m; riverine or swamps, fringing forest, thickets, scrub, grassland, cultivations; BDI, COD, ETH, MOZ, MWI, TZA, UGA, ZMB; MDG; KEN [3, 5]. Kokwaro 3113
- +*Mucuna poggei* Taub. var. *poggei*; liana 10-30 m; riverine forest; AGO, COD, TZA, UGA, ZMB; KEN [3, 5 (new)]; new record for Kakamega Forest (Kisere)]. Fischer photo record
- Neonotonia wightii* (Graham ex Wight & Arn.) J.A.Lackey ssp. *pseudojavanica* (Taub.) J.A.Lackey; twining or climbing perennial herb 0.6-4.5 m; forest margins, grassland thicket, cultivations; AGO, CMR, COD, ETH, GHA, LBR, MWI, NGA, RWA, SDN, SLE, TGO, TZA, UGA, ZAF; KEN [3, 5]. Maas Geesteranus 6255

- Pseudarthria hookeri* Wight & Arn. var. *hookeri*; woody herb or subshrub 0.3-3(-4) m; open woodland, grassland, old cultivations, sometimes gregarious, in damp sites, along rivers in rocky places or swampy sites; AGO, BDI, BEN, BFA, CAF, CIV, CMR, COD, ETH, GAB, GHA, MLI, MOZ, MWI, NGA, SDN, SEN, SLE, SWZ, TGO, TZA, UGA, ZAF, ZMB, ZWE; MDG, MUS; KEN [3-7]. Obholzer & Fischer s.n.
- Sphenostylis stenocarpa* (Hochst. ex A.Rich.) Harms; climbing or creeping perennial herb 1-3 m; (wooded) grassland, woodland, sometimes marshy disturbed places; AGO, BDI, CAF, CIV, COD, ETH, GHA, GIN, MLI, MWI, NER, NGA, TCD, TGO, TZA, UGA, ZMB, ZWE; KEN [3, 5?]. Whyte s.n.
- Trifolium baccarinii* Chiov.; creeping annual herb; heavily grazed grassland; BDI, CMR, COD, ETH, NGA, RWA, TZA, UGA; KEN [3, 5]. Drummond & Hemsley 4749
- +*Vigna membranacea* A.Rich.; climbing or trailing annual or perennial herb 0.2-1.8 m; grassland, bushland, dry evergreen forest; tropical Arabia and Africa (BDI, COD, ETH, RWA, SDN, SOM, TZA, UGA); KEN [1, 3-6]. Mutangah
- Vigna parkeri* Baker ssp. *maranguensis*; climbing or creeping herb 0.1-2 m; (wooded) grassland, thicket, forest margins, weed in cultivation; AGO, BDI, CMR, COD, ETH, GNQ, RWA, TZA, UGA; MDG; KEN [3-7]. Hohl 66
- Vigna triphylla* (R.Wilczek) Verdc.; creeping annual herb 0.6-1.8 m; grassland; AGO, CAF, COD, ETH, NGA, TZA, ZMB; KEN [3, 5, restricted to the area between Nandi and Kakamega Forest]. Whyte s.n.
- Vigna unguiculata* (L.) Walp.; climbing or trailing annual or perennial herb 1-3 m; cultivated worldwide, wild forms native in Africa; KEN [?]. Preston-Mafham 1979-01-01 photo record; Herbarium Illustration and Slide Collections, Kew
- Vigna vexillata* (L.) A.Rich.; climbing or trailing perennial herb 0.3-6 m; (wooded) grassland, bushland, forest margins; pantropical-subtropical; KEN [1-7]. Verdcourt 1658
- Zornia pratensis* Milne-Redh.; perennial herb <35 cm; grassland, rock outcrops; AGO, BDI, CMR, COD, ETH, MOZ, MWI, RWA, SDN, TZA, UGA, ZMB, ZWE; KEN [3, 5-7]. MD Graham 28

Gentianaceae

- +*Anthocleista grandiflora* Gilg; tree 5-35 m; open swampy places, along rivers in forest areas; MWI, NAM, RWA, SWZ, TZA, UGA, ZAF, ZWE; COM; KEN [3-7]. Rembold photo record
- Anthocleista vogelii* Planch.; *Mulemwe* (Luhya); tree 6-20 m, twigs with spines; moist places, swamps, along rivers or on river banks, rainforests; AGO, BEN, CIV, CMR, COD, GAB, GHA, GNQ, LBR, NGA, SLE, TZA, UGA, ZMB; KEN [5, restricted to Kakamega Forest]. Feltham 10290
- Anthocleista zambesiaca* Bak. = *Anthocleista grandiflora*
- +*Sebaea grandis* (E.Mey.) Steud.; annual or short-lived rhizomatous perennial herb 8-50 cm; wooded grassland on shallow soils; AGO, BWA, CMR, COD, ETH, MWI, NAM, NGA, SWZ, TZA, UGA, ZAF, ZMB, ZWE; KEN [3-6]. Kokwaro
- Sebaea pumila* (Baker) Schinz; annual herb 2-8 cm; BEN, CIV, COD, MOZ, NGA, SDN, TZA, UGA, ZMB; KEN [5 (new), 7; new record for Kakamega Forest]. Fischer s.n.

Sebaea sensu Fischer; annual or short-lived perennial herb. Fischer *s.n.*

Hamamelidaceae

Trichocladus ellipticus Eckl. & Zeyh.; evergreen shrub or tree (1.5-)5-10(-18) m; riverine forest, understorey; AGO, COD, ETH, MOZ, MWI, TZA, UGA, ZAF, ZMB; KEN [1-6]. Althof 2002/2

Hernandiaceae

+*Illigera pentaphylla* Welw.; climber or liana 3-15 m; evergreen forest; AGO, CAF, CIV, CMR, COD, GAB, GHA, GNQ, LBR, UGA; KEN [5, restricted to Kakamega Forest, Yala River]. Beentje

Hymenocardiaceae

Hymenocardia acida Tul.; *Olulando* (Luhya); shrub or tree 3-6 m; wooded grassland; AGO, BEN, BDI, CAF, CIV, CMR, COD, ETH, GAB, GHA, GIN, GNB, LBR, MLI, MOZ, MWI, SEN, TGO, ZMB, ZWE; KEN [5]. Mathenge *s.n.* (NAI)

Hypericaceae

Harungana madagascariensis Lam. ex Poir.; *Musila/Lumasai* (Luhya); tree 3-18 m; rainforest (margins or remnants); AGO, BDI, CIV, CMR, COD, GHA, GIN, GMB, GNQ, LBR, MLI, MOZ, MWI, NGA, RWA, SDN, SEN, SLE, TZA, UGA, ZAF, ZMB, ZWE; MDG, MUS, REU; KEN [4, 5, 7]. Moon 571

+*Hypericum lalandii* Choisy; perennial herb 8-70 cm; marshes wet (seasonally flooded) places in upland grassland; AGO, BDI, BWA, LSO, NAM, NGA, SDN, SWZ, TZA, ZAF; MDG; KEN [3, 5]. Rembold photo record

Hypoxidaceae

Hypoxis angustifolia Lam.; slender perennial herb <45 cm; (flood plain) grassland, open woodland, rocky outcrops, often on termite mounds; tropical Arabia and Africa (BDI, CAF, CAM, ETH, GAB, LBR, LSO, MWI, SEN, SOM, SWZ, TZA, UGA, ZAF; MDG, MUS); KEN [1-7]. Althof *s.n.*

Icacinaceae

Apodytes dimidiata E.Mey. ex Arn.; *Masaba/Wanda* (Luhya), *Lemo/Luochuoga* (Luo); shrub or tree 3.5-25 m; upland dry forest (margins or remnants); Asia (from CHN to IND, MMR, THL, VNM, IDN, MYS, PHL) and Africa (AGO, BDI, COD, ETH, MOZ, MWI, RWA, SWZ, TZA, UGA, ZAF, ZMB, ZWE; COM, MDG, MUS, REU; KEN [3-5]. A.Wye 1756

+*Pyrenacantha* cf. *vogeliana* Baill.; climber; forest; BEN, CIV, CMR, GAB, GHA, LBR, COD, TZA; KEN [7]. Rembold photo record

Iridaceae

Aristea abyssinica Pax; rhizomatous perennial herb, inflorescence 12-25(-50) cm; submontane grassland, especially on thin rocky soils; CMR, COD, ETH, LSO, MWI, NGA, SWZ, TZA, UGA, ZAF, ZMB, ZWE; KEN [1-3, 5]. Gilbert & Mesfin Tadessa 6683; Obholzer 50-103

Aristea alata Baker; rhizomatous perennial herb, inflorescence <45(-55) cm; grass glades, forest margins, bamboo shade; CMR, ETH, TZA, UGA, ZAF; KEN [1, 3-6; new record for Kakamega Forest]. Althof X/2002

+*Aristea angolensis* Baker; perennial herb 25-90 cm; wet grassland; AGO, CMR, COD, ETH, MWI, NGA, SWZ, TZA, UGA, ZAF, ZMB, ZWE; KEN [3, 4, 5]. Obholzer photo record

Aristea cognata N.E.Br. ex Weim. = *Aristea abyssinica* Pax

Dietes iridioides (L.) Sweet ex Klatt; perennial herb (15-)30-60 cm; riverine forest (margins); COD, ETH, MOZ, MWI, SWZ, TZA, UGA, ZAF, ZMB, ZWE; KEN [3, 4, 5 (new), 6 ; new record for Kakamega Forest]. Obholzer 63-140

Gladiolus dalenii Van Geel ssp. *andongensis* (Baker) Goldblatt; tuberous perennial herbs (50-)70-120(-200) cm; grassland; Arabia (SAU, YEM) and Africa (AGO, BDI, BWA, CAF, CIV, CMR, COD, ERI, ETH, GHA, MOZ, MWI, NGA, RWA, SDN, SEN, SLE, TCD, TGO, TZA, UGA, ZMB, ZWE; KEN [3-5, 7]. Friis & Hansen 2597

Lamiaceae

Achyrospermum parviflorum S.Moore; perennial herb or scandent shrub <2 m; rainforest (margins); COD, ETH, SDN, UGA; KEN [5, restricted to Kakamega Forest]. Tweedie 3211

+*Achyrospermum schimperi* (Hochst. ex Briq.) Perkins ex Mildbr.; BDI; KEN [?, 5]. Rembold photo record

Aeollanthus heliotropioides Oliv. = *Aeollanthus suaveolens*

+*Aeollanthus suaveolens* Mart. ex Spreng.; herb <50 (-80) cm; on shallow soils overlaying rocks and as weed; BDI, BEN, CMR, COD, GHA, KEN, NGA, SDN, TZA, UGA, ZAF, ZMB, ZWE; [3, 5]. Obholzer & Fischer photo record

Ajuga integrifolia Buch.-Ham.; herb; ETH, KEN [5]. Bridson 38

Becium obovatum (E.Mey. ex Benth.) N.E.Br. = *Ocimum obovatum* E.Mey. ex Benth. var. *obovatum*

Clerodendrum buchholzii Gürke = *Clerodendrum silvanum* var. *buchholzii*

Clerodendrum capitatum (Willd.) Schumach. & Thonn.; (scandent) shrub 1-6 m; (riverine) forest, moist woodland, evergreen bushland; AGO, BEN, CIV, CMR, COD, ETH, GAB, GHA, GNQ, LBR, MLI, NGA, SEN, SLE, TCD, TGO, TZA, UGA, ZMB; KEN [3, 5]. Chapya 79/40

Clerodendrum discolor (Klotzsch) Vatke = *Rothea myricoides*

Clerodendrum formicarum Gürke; scandent shrub 1.5-6 m; forest; AGO, CIV, CMR, COD, GAB, GHA, GIN, GNQ, LBR, NGA, TZA, UGA; KEN [5, restricted to Kakamega Forest and SW Mau]. Carroll C17

Clerodendrum johnstonii Oliv.; *Lisala* (Luhya); shrub or liana 1.5-20 m; montane forest, thicket, disturbed shrubland; BDI, COD, MWI, RWA, SDN, TZA, UGA, ZMB; KEN [1-7]. Paulo 539

Clerodendrum melanocrater Gürke; scandent shrub <3 m; forest (margins); CMR, COD, GAB, GNQ, NGA, TZA, UGA; KEN [5, restricted to Kakamega Forest]. Malombe *et al.* 1304

Clerodendrum myricoides (Hochst.) R.Br. ex Vatke = *Rothea myricoides*

- Clerodendrum silvanum* Henriq. var. *buchholzii* (Gürke) Verdc.; scandent shrub or liana <30 m; forest; AGO, CAF, CMR, COD, GHA, GIN, GNQ, NGA, TZA, UGA, ZMB; KEN [5, restricted to Kakamega Forest]. Althof *s.n.*
- Coleus djalonenensis* A.Chev. = *Plectranthus djalonenensis*
- Englerastrum djalonenense* A.Chev. = *Plectranthus djalonenensis*
- Englerastrum schweinfurthii* Briq. = *Plectranthus djalonenensis*
- Geniosporum rotundifolium* Briq. = *Platostoma rotundifolium*
- Homalocheilos ramosissimus* (Hook.f.) J.K.Morton = *Isodon ramosissimus*
- Hoslundia opposita* Vahl; *Shikuma* (Luhya), *Ofwong'o* (Luo); erect or scrambling shrub 0.5-3(-4) m; (secondary) bushland or disturbed wooded grassland; BDI, BEN, BFA, BWA, CAF, CIV, CMR, COD, COG, ETH, GHA, GIN, GNB, GNQ, MLI, MOZ, MWI, NAM, NGA, RWA, SDN, SEN, SLE, SOM, SWZ, TZA, UGA, ZMB, ZWE; MDG; KEN [1-7]. Obholzer 98-229
- Isodon ramosissimus* (Hook.f.) Codd straggling to erect perennial herb <1.7(-3.6) m; grassland; BDI, CMR, ETH, GNQ, NGA, SLE, TZA, ZWE; KEN [3, 5]. Verdcourt 1664
- Leonotis mollissima* Gürke = *Leonotis ocymifolia* var. *raineriana*
- Leonotis nepetifolia* (L.) R.Br. var. *africana* (P.Beauv.) J.K.Morton; (woody) annual herb 0.6-1.5 m; forest margins, ruderal, cultivated; CMR, COD, GHA, LBR, MLI, NER, SEN, TGO; KEN [1-6]. Althof *s.n.*
- +*Leonotis ocymifolia* (Burm.f.) Iwarsson; woody perennial herb or shrub 1-3m; disturbed places in montane forest zone; AGO, BDI, COD, ETH, MWI, RWA, SDN, TZA, ZAF; KEN [2-6]. Rembold photo record
- Leonotis ocymifolia* (Burm.f.) Iwarsson var. *raineriana* (Vis.) Iwarsson; woody perennial herb or shrub 1-3 m; forest margins, roadsides, disturbed grassland; BDI, MWI, TZA, UGA; KEN [1-6]. Obholzer 62-134
- Leucas calostachys* Oliv. var. *calostachys*; *Lumitsani* (Luhya), *Bware* (Luo); woody perennial herb or shrub <2.5 m; disturbed secondary bushland; BDI, COD, ETH, RWA, SDN, TZA, UGA; KEN [3, 5, 6]. Paulo 515 ; Bridson 22 ; Drummond & Hemsley 4786
- Leucas deflexa* Hook.f. var. *deflexa*; (short lived) perennial herb or subshrub <2 m; ruderal weed; AGO, BDI, CMR, ETH, GHA, GNQ, MWI, TZA, UGA; KEN [3-4]. Gilbert & Mesfin 6622
- +*Leucas martinicensis* (Jacq.) R.Br.; annual herb <60 cm; open ground, disturbed places especially in farmland; BEN, CIV, CMR, ETH, GHA, GIN, GMB, GNQ, MLI, NEG, NGA, SEN, TZA, ZWE; COM, MDG; tropical weed; KEN [1-6]. Kokwaro/Mutangah
- Leucas micrantha* non Gürke *sensu* Agnew U.K.W.F. ed. 1: (1974) = *Leucas deflexa*
- Leucas oligocephala* Hook.f. var. *ugandensis* Sebal; perennial herb 0.25-1.3 m; forest margins, wooded grassland; varieties in CMR, GIN, NGA, UGA, TZA; KEN [3-6]. Drummond & Hemsley 4771
- Ocimum gratissimum* L.; perennial herb or subshrub 0.4-2.5 m; disturbed bushland and forest; Old World tropics, probably originally introduced from Asia, naturalized in tropical America; KEN [3-6]. Obholzer 98-225

- Ocimum kilimandscharicum* Baker ex Gürke; *Bwar* (Luo); perennial herb or subshrub 0.2-2m; rocky secondary shrubland; Asia (IND) and Africa (SDN, TZA); KEN [3-6]. Obholzer 67-144
- +*Ocimum lamiifolium* Hochst. ex Benth.; perennial herb or shrub <2.1 m; forest margins, disturbed areas; CMR, ETH, GAB, TZA, UGA; KEN [1-6]. Kokwaro
- Ocimum obovatum* E.Mey. ex Benth. var. *obovatum*; perennial herb <60 cm, swollen rootstock; woodland, (burnt) grassland, often on black cotton soils; AGO, BDI, BEN, CIV, CMR, ETH, GHA, GIN, MWI, NGA, TZA, ZAF, ZMB; MDG; KEN [3-7]. Bridson 18
- Orthosiphon rubicundus* (D.Don) Benth.; perennial herb <60 cm; wooded grassland; Asia (CHN, IND, NPL, THL) and Africa (BDI, BEN, BFA, CIV, COD, GHA, MLI, NGA, TZA, ZAF, ZWE); KEN [2-5]. Carroll H18
- Orthosiphon schimperi* Benth.; perennial herb; ETH, GHA, MOZ, MWI, SOM, TZA; KEN [?]. Corral U.18
- Platostoma africanum* P.Beauv.; annual or short-lived perennial herb <60 cm; damp places in grassland, roadside, by streams, forest edges; Asia (IND) and Africa (AGO, BDI, BEN, BFA, CIV, CMR, ETH, GHA, GIN, GNB, GNQ, LBR, MLI, NGA, SEN, TZA, UGA, ZMB); KEN [3-6]. Obholzer 113-261
- Platostoma rotundifolium* (Briq.) A.J.Paton; perennial herb <1.3 m; swampy grassland, wet forest, rocky bushland; AGO, CIV, CMR, COD, ETH, GIN, NGA, SLE, TZA, UGA, ZMB; KEN [3-5]. Drummond & Hemsley 4777
- Plectranthus assurgens* (Baker) J.K.Morton; perennial herb or subshrub; shady montane forest; CMR, COD, ETH, GNQ, NGA, TZA; KEN [3-6]. Obholzer 36-180
- **Plectranthus barbatus* Andrews var. *grandis* (L.H.Cramer) Lukhoba & A.J.Paton; woody herb or subshrub 0.4-1.2 m; several varieties, probably native range Asia (CHN, IND, LKA, NPL, OMN, SAU, THL) and introduced to eastern Africa (BDI, ERI, ETH, MOZ, SOM, TZA, UGA, ZAF); KEN [?]. Perdue & Kibuwa 9432
- Plectranthus bojeri* (Benth.) Hedge; herb; ETH, TZA, ZAF; MDG; KEN [?]. Drummond & Hemsley 4779
- Plectranthus djalonenensis* (A.Chev.) A.J.Paton; trailing annual herb; marshy grassland; BDI, BEN, CAF, CIV, CMR, COD, ETH, GAB, GHA, GIN, MLI, NAM, NGA, SDN, SEN, TGO, TZA, UGA, ZMB, ZWE; KEN [3, 5]. Fischer, Malombe *et al. s.n.*, Fischer photo record
- Plectranthus glandulosus* Hook.f. = *Solenostemon autrani*
- Plectranthus luteus* Gürke = *Plectranthus melleri*
- +*Plectranthus melleri* Baker; woody perennial herb or shrub <3 m; forest margins or clearings; BDI, COD, GAB, RWA, TZA, ZMB; MDG; KEN [4, 5, 7]. Mutangah
- Plectranthus* cf. *pubescens* Baker; annual or perennial herb <90 cm; wooded grassland on rocky soils; MOZ, MWI, TZA; KEN [3-6 ?]. Obholzer 90-210
- Plectranthus sylvestris* Gürke; herb or shrub <3 m; disturbed places of montane forest especially where bamboo has died, plantation of exotics; ETH, MWI, TZA; MDG; KEN [1-6]. Gardner in FD 2254
- +*Premna angolensis* Gürke; *Kisangula/Mungalikoro* (Luhya); tree or scandent shrub 13 m; forest margins, clearings; AGO, BEN, CAF, CMR, COD, GAB, GHA, GIN,

- GNQ, NGA, SEN, SDN, SLE, TGO, TZA, UGA; KEN [5, restricted to Kakamega Forest and near Molo]. Beentje
- +*Pycnostachys coerulea* Hook.; annual or short-lived perennial herb <1 m; swampy places; BWA, COD, TZA, UGA, ZAF, ZMB; MDG; KEN [3, 5]. Rembold photo record
- +*Pycnostachys meyeri* Gürke; woody herb or shrub <2.5 m; wet montane forest, especially along streamsides, wide variety of habitats; BDI, CMR, COD, ETH, GIN, GNQ, NGA, RWA, TZA, UGA, ZWE; KEN [3-7]. Mutangah
- Rotheca myricoides* (Hochst.) Steane & Mabb.; shrub 1-3.5 m; dry forest, grazed bushland, grassland; tropical Arabia and Africa (AGO, BWA, COD, ETH, MOZ, MWI, NAM, RWA, SDN, SOM, SWZ, TZA, UGA, ZAF, ZMB); KEN [1-7]. Maitai CKM7
- Scutellaria paucifolia* Baker = *Scutellaria schweinfurthii* ssp. *paucifolia*
- Scutellaria schweinfurthii* Briq. ssp. *paucifolia* (Baker) A.J.Paton; tuberous perennial herb <40 cm; short grassland; GHA, GIN, MWI, NGA, SLE, TZA, ZMB; KEN [2, 3, 5, 7]. Hansen 911
- Solenostemon autrani* (Briq.) J.K.Morton; perennial herb <3 m; AGO, CMR, GNQ, GIN; KEN [?]. Dale in F.D. 3196
- Tinnea aethiopica* Kotschy ex Hook.f. ssp. *aethiopica*; *Olando-marachar* (Luo); shrub <3 m; woodland margins; BFA, BEN, CMR, ETH, MLI, MOZ, MWA, NGA, TZA, UGA; KEN [1-7]. Mabberley & Tweedie 1085
- Vitex doniana* Sweet; *Muholu/Omuhutu* (Luhya), *Jwelu/Kalembe* (Luo); tree 10-20(-25) m; grassland, forest margins, riverine thickets in dry regions; AGO, BEN, BFA, CAF, CIV, CMR, COD, ETH, GAB, GHA, GIN, GNB, GNQ, MLI, MOZ, MWI, NGA, RWA, SDN, SEN, SLE, TCD, TGO, TZA, UGA, ZMB; COM; KEN [2-7]. Dale 3115
- Vitex fischeri* Gürke; *Mufutumwe/Muhutu* (Luhya), *Jwelo* (Luo); tree 3-15 m; grassland, forest margins; AGO, COD, MOZ, SDN, TZA, UGA, ZMB; KEN [3, 5, 6]. Lucas 131
- +*Vitex keniensis* Turrill; tree 12-35 m; moist forest; cultivated in TZA, UGA; KEN [4, 5?, 7?], VU. Mutangah

Lauraceae

- Beilschmiedia* sp.; tree or shrub. Faden 69/2030
- Ocotea argylei* Robyns = *Ocotea kenyensis*
- Ocotea kenyensis* (Chiov.) Robyns & R.Wilczek; tree 10-21(-30) m; moist forest; COD, ETH, MOZ, MWI, RWA, SDN, TZA, UGA, ZAF, ZWE; KEN [1, 3-5, 7]; VU. Althof *s.n.*
- **Persea americana* Mill.; tree 3-20 m; native range Central America, cultivated pantropical. Kokwaro 3774

Lentibulariaceae

- +*Utricularia arenaria* A.DC.; affixed annual herb, inflorescence 2-16 cm, terrestrial; boggy grassland, damp open sandy ground, rock pavements; Asia (IND) and Africa (AGO, BDI, BWA, CIV, CMR, COD, ETH, GAB, GHA, LSO, MLI, MOZ, MWI,

NGA, SDN, SEN, SLE, SWZ, TGO, TZA, UGA, ZAF, ZMB, ZWE; MDG); KEN [3-5, 7]. Obholzer & Fischer photo record

Liliaceae

**Lilium regale* E.H.Wilson; perennial herb; native range CHN, introduced worldwide as ornamental. Obholzer 72-162

Linderniaceae

Crepidorrhopalon rupestris (Engl.) Eb.Fisch.; annual herb; ephemeral pools; BDI, COD, MWI, TZA, UGA, ZMB, ZWE; KEN [3, 5; new record for Kakamega Forest]. Fischer *s.n.*

Crepidorrhopalon whytei (Skan) Eb.Fisch.; ascending annual herb <60 cm; streamsides, wet places, disturbed marshes; AGO, COD, ETH, MOZ, RWA, SDN, TZA, UGA, ZWE; KEN [3, 7]. Fischer, Malombe *et al. s.n.*

Lindernia diffusa (L.) Wettst.; creeping-ascending annual or perennial herb <15 cm; damp places, marshes, roadsides; tropical America and Africa (BFA, BEN, CAF, CIV, CMR, COD, ETH, GAB, GHA, GIN, LBR, MLI, NGA, SLE, TZA, UGA, ZMB); KEN [3, 5]. Althof *s.n.*

Lindernia insularis Skan = *Crepidorrhopalon rupestris*

Lindernia nummularifolia (D.Don) Wettst.; annual herb 3-14 cm; marshes, riversides, crevices on granite outcrops; Asia (CHN, IND, LKA, THL) and Africa (AGO, CMR, ETH, GNQ, MOZ, MWI, SDN, SLE, ZMB, ZWE); KEN [3, 5 (new); new record for Kakamega Forest]. Althof *s.n.*

Lindernia whytei Skan = *Crepidorrhopalon whytei*

Torenia thouarsii (Cham. & Schltdl.) Kuntze; procumbent annual herb <40 cm; marshy grassland, moist places; South America, tropical Asia (IND, MMR) and Africa (AGO, BDI, BWA, CAF, CIV, CMR, COD, GAB, GHA, GIN, LBR, MLI, MOZ, MWI, NGA, RWA, SDN, SEN, SLE, TGO, TZA, UGA, ZAF, ZMB, ZWE; MDG, MUS); KEN [3, 5, 7]. Fischer *s.n.*

Loganiaceae

+*Strychnos mitis* S.Moore; tree (6-)10-18(-35) m; dry or riverine forest; MWI, SDN, SWZ, TZA, UGA, ZAF, ZWE; COM, MDG; KEN [1, 3-7]. Kifcon

+*Strychnos usambarensis* Gilg; *Shekoye* (Luhya); shrub or tree 1.5-6(-12) m (sometimes liana <20m); dry (riverine) forest, evergreen thicket; BDI, BEN, CIV, COD, GHA, GIN, LBR, MOZ, NGA, RWA, SLE, SWZ, TZA, UGA, ZAF, ZMB, ZWE; MDG; KEN [4, 5 (new), 7; new record for Kakamega Forest]. Rembold photo record

Loranthaceae

Agelanthus brunneus (Engl.) Balle & Hallé; hemiparasite, pendent shrub 1-2 m; forest, woodland, wooded grassland, bushland; AGO, CAF, CIV, COD, GAB, GIN, GNB, GNQ, LBR, MRT, NAM, SEN, SLE, TZA, UGA; KEN [5, restricted to Kakamega Forest and Mau Forest]. Cunningham van Someren 131

Globimetula braunii (Engl.) Danser; hemiparasite, pendent shrub <4 m; forest, bushland; AGO, BEN, CAF, CIV, CMR, COD, GAB, GHA, GIN, GNQ, NGA, SDN, TGO, TZA, UGA, ZWE; KEN [5, restricted to Kakamega Forest and Malava Forest]. Kokwaro 3780

Loranthus rufescens DC. = *Phragmanthera usuiensis*

Phragmanthera dschallensis (Engl.) M.G.Gilbert; *Shikulakuli* (Luhya); hemiparasite, pendent shrub 0.7-2.5 m; woodland, wooded grassland; host tree usually *Acacia*, occasionally *Commiphora*, *Ziziphus*; SOM, TZA, UGA, ZMB; KEN [2-6]. Gilbert 6879

Phragmanthera usuiensis (Oliv.) M.G.Gilbert ssp. *usuiensis*; hemiparasite, pendent shrub 1-2 m; montane forest and adjacent communities, extending as a pest to gardens and orchards; AGO, BDI, CMR, COD, ETH, GAB, MOZ, MWI, SDN, TZA, UGA, ZMB; KEN [2-6]. R.&D. Polhill 4859

Malpighiaceae

Flabellaria paniculata Cav.; climber <15 m; rainforest (margins), forest-thickets, secondary growth; AGO, BDI, CAF, CIV, CMR, COD, GAB, GHA, GNQ, LBR, NGA, SDN, SEN, SLE, TGO, TZA, UGA; KEN [5, restricted to Kakamega Forest]. Verdcourt 11554

Malvaceae

Abutilon longicuspe Hochst. ex A.Rich.; perennial herb or shrub <5 m; forest margins, scrub; Arabia (YEM) and Africa (ETH, MOZ, MWI, SDN, TZA, UGA, ZMB, ZWE); KEN [1-7]. Rembold *s.n.*

Abutilon mauritianum (Jacq.) Medik.; semi-woody shrub or shrubby perennial herb <2 m; semi-ruderal at forest edges, roadsides, disturbed ground or riverine forest; AGO, BDI, BEN, CIV, CMR, COD, ERI, ETH, GAB, GHA, GIN, MOZ, MWI, NGA, SOM, SWZ, TGO, TZA, UGA, ZAF, ZMB, ZWE; MUS; KEN [3-6]. Obholzer 83-188

Dombeya burgessiae Gerrard ex Harv.; *Mukusa* (Luhya), *Owich* (Luo); shrub or tree 1-6m; riverine forest, wooded grassland; AGO, MOZ, MWI, RWA, SDN, SWZ, TZA, UGA, ZAF, ZMB, ZWE; KEN [1-6]. Graham 2547

Dombeya rotundifolia (Hochst.) Planch.; shrub or tree 3-9 m; wooded grassland, often on termite mounds; AGO, BWA, COD, ETH, MOZ, MWI, NAM, RWA, TZA, UGA, ZAF, ZMB, ZWE; KEN [1-7]. Althof *s.n.*

Grewia similis K.Schum.; *Pop-Aroya* (Luo); shrub or tree <4.5(-7.5) m; forest, (riverine) thickets, bushed grassland; BDI, COD, ETH, RWA, TZA, UGA; KEN [1-7]. Althof XI/2002

Hibiscus calyphyllus Cav.; shrub or perennial herb <3 m; rainforest, riverine forest, thickets, grassland; tropical Arabia and Africa (BWA, COD, ETH, NAM, RWA, SDN, SWZ, TZA, UGA, ZAF, ZMB; MDG, REU); KEN [1-7]. Drummond & Hemsley 4795

Hibiscus cannabinus L.; annual or biennial herb <2(-3.5) m; AGO, BDI, BWA, CAF, CMR, COD, ETH, GHA, MLI, NAM; NGA, RWA, SDN, SOM, SWZ, TCD, TZA, UGA, ZAF, ZMB, ZWE; cultivated and naturalized in tropical and subtropical regions; KEN [1-7]. Althof X/2001

Hibiscus fuscus Garcke; shrub <3 m; grassland; BDI, COD, ETH, MOZ, MWI, RWA, TZA, UGA, ZAF, ZMB, ZWE; KEN [3-6]. Obholzer 63-138

+*Kosteletzkya adoensis* (Hochst. ex A.Rich.) Mast.; perennial herb or shrub <2 m; forest margins or clearings, bush, grassland; tropical Arabia and Africa (AGO, BDI, CMR, COD, ETH, MWI, NGA, SDN, TZA, UGA, ZMB, ZWE; MDG); KEN [2-6]. Kokwaro

- +*Pavonia* cf. *grewioides* Hochst. ex Boiss.; perennial herb or subshrub <45 cm; bushland or *Combretum* woodland; Asia? (PAK?) and Africa (ETH, GIN, SOM); KEN [1, 4, 5(new), 6, 7]. Rembold photo record
Pavonia propinqua Garcke = *Pavonia grewioides*
Pavonia schimperiana Hochst. ex A.Rich.; perennial herb or subshrub <1.2 m; AGO, CMR, ETH, MOZ, TZA, UGA; KEN [?]. Verdcourt 1638
Pavonia urens Cav. var. *urens*; shrub <3 m; forest margins, (riverine) woodland, secondary bushland; BDI, CMR, ETH, GNQ, MWI, MOZ, RWA, TZA, UGA, ZMB, ZWE; MDG, REU; KEN [1-7]. Burney *et al.* K1
Sida alba L.; annual or perennial herb 30-75 cm; disturbed places in (wooded) grassland; tropical America and Africa (AGO, BEN, BDI, BFA, DJI, ETH, GIN, GNQ, MOZ, MWI, NAM, NER, NGA, SEN, SOM, TZA, ZAF, ZMB, ZWE; CPV, MDG, MUS); KEN [3-6]. Obholzer 20-49
+*Sida cordifolia* L. ssp. *maculata* (Cav.) Marais; perennial (or perhaps sometimes annual) woody herb 0.5-1 m; waste sandy places, weed of cultivation; pantropical-subtropical; KEN [2-7]. Mutangah
Sida rhombifolia L.; annual or perennial herb or shrublet <1.5 m; disturbed open places, usually near settlements; pantropical; KEN [1-7]. Faden & Faden 77/867
Sida tenuicarpa Vollesen; small shrub <50 cm; open disturbed areas; TZA, UGA; KEN [3-6]. Kokwaro 3112
+*Triumfetta brachyceras* K.Schum.; shrub (1-)2-4 m; forest margins, along roadsides; BDI, COD, ETH, RWA, SDN, TZA, UGA; KEN [1, 3-6]. Rembold photo record
Triumfetta macrophylla K.Schum. = *Triumfetta brachyceras*
Triumfetta pentandra A.Rich.; annual herb 5-150 cm; dry disturbed areas; pantropical; KEN [1, 2, 4, 5]. Althof *s.n.*
Triumfetta rhomboidea Jacq.; annual herb or perennial subshrub 15-200 cm; ruderal, weed of cultivation; pantropical; KEN [1-7]. Bridson 29
Triumfetta ruwenzoriensis Sprague = *Triumfetta brachyceras*
Triumfetta tomentosa Bojer; *Shintanda-Ngo* (Luhya), *Ang'orno* (Luo); shrub (0.5-)1-3 m; forest clearings, old fields, often secondary vegetation; pantropical; KEN [1, 3-7]. Williams 278
Urena lobata L. var. *lobata*; woody herb or shrub <3 m; disturbed ground, cultivation; pantropical; KEN [4-7]. Paulo 526

Melastomataceae

- Antherotoma naudinii* Hook.f.; annual (rarely biennial) herb (2.5-)4-35 cm; short grassland, forest margins, shallow soils, rock crevices, pavements, often by lakes, rivers, ditches; AGO, BDI, BEN, CAF, CMR, ETH, GIN, MOZ, MWI, SWZ, TZA, UGA, ZAF, ZMB, ZWE; COM, MDG; KEN [2?, 3, 5]. Drummond & Hemsley 4758
Antherotoma senegambiensis (Guill. & Perr.) Jacq.-Fél. var. *alpestris* (Taub.); disturbed grasslands, pathsides; BEN, BFA, CAF, GNB, MWI, NER, RWA, SDN, SEN, TZA, UGA; KEN [2-6]. Obholzer 22-54
Dissotis alpestris Taub. = *Antherotoma senegambiensis* var. *alpestris*
Dissotis brazzae Cogn.; perennial herb 0.6-1.5 m; forest margins, valley grassland, deciduous bushland; AGO, BDI, CIV, CMR, COD, ETH, GAB, GIN, LBR, RWA, SDN, SLE, TGO, TZA, UGA, ZMB; KEN [3, 5; restricted to Kakamega Forest and Kaimosi]. Drummond & Hemsley 4780

- Dissotis canescens* (E.Mey. ex Graham) Hook.f.; woody herb 0.5-1.2(-1.8) m; burnt or swampy grassland, margins of swamp forest; AGO, CAF, CMR, COD, ETH, MOZ, MWI, NGA, TZA, UGA, ZAF, ZMB, ZWE; KEN [3, 5]. Fischer *s.n.*
- Dissotis cryptantha* Baker f.; shrub <2 m; grassland; MOZ, MWI, TZA, ZMB; KEN [5 (new); new record for Kenya]. Obholzer 78-178
- Dissotis senegambiensis* (Guill. & Perr.) Triana = *Antherotoma senegambiensis*
- Dissotis speciosa* Taub.; woody herb 0.5-2.5 m; valley grassland, swampy places; COD, MWI, SDN, TZA, UGA, ZMB; KEN [2, 3, 5, 6]. Hooper & Townsend 1491
- Tristemma mauritianum* J.F.Gmel.; shrubby herb <2 m; marshy clearings in rainforest, swampy riverine forest; AGO, CAF, CIV, CMR, ETH, GAB, GHA, GNQ, MOZ, MWI, SEN, TZA, UGA, ZMB; COM, MDG, MUS, REU; KEN [5, 7]. Althof *s.n.*, M.D.Graham in A.D.62

Meliaceae

- +*Ekebergia capensis* Sparrm.; *Tido* (Luo); tree 7.5-30 m; (riverine) moist forest (margins); AGO, BDI, BEN, BWA, CAF, CIV, CMR, COD, ERI, ETH, GHA, GIN, GMB, GNB, MLI, MOZ, MWI, NAM, NGA, RWA, SDN, SEN, SWZ, TGO, TZA, UGA, ZAF, ZMB, ZWE; KEN [1-7]. Rembold photo record
- Entandrophragma angolense* (Welw. ex C.DC.) C.DC.; tree <60 m, bole broadly buttressed; forest; AGO, CAF, CIV, CMR, COD, COG, GAB, GHA, GIN, LBR, NGA, SDN, SLE, TZA, UGA; KEN [5, restricted to Kakamega Forest, extinct in the wild, only one specimen at Rondo area]; VU. Faden 70/45
- +*Khaya anthotheca* (Welw.) C.DC.; tree <55 m; forest; AGO, CAF, CIV, CMR, COD, COG, GHA, GNB, LBR, MOZ, MWI, NGA, SLE, TZA, UGA, ZMB, ZWE; KEN [timber plantations; Malava]. Rembold photo record
- Lepidotrichilia volkensii* (Gürke) J.-F.Leroy; *Mundara/Muthigitha* (Kikuyu), *Luburiko/Lusarari* (Luhya); tree (or shrub) 3-20m; forest margins; BDI, COD, ETH, MWI, SDN, TZA, UGA; KEN [1, 3-7]. Hansen, 898
- Trichilia dregeana* Sond.; *Musiema* (Luhya); tree 15-20(-40) m, bole slightly buttressed; moist or riverine forest; AGO, CIV, CMR, COD, ETH, GIN, MOZ, MWI, RWA, TZA, UGA, ZAF, ZMB, ZWE; KEN [4, 5]. Perdue & Kibuwa 9452
- Trichilia emetica* Vahl; *Munyama/Musinzi/Irojo* (Luhya), *Ochond-Athuth/Ochond-Rateng'* (Luo); tree 6-20(-25) m; riverine forest and woodland, lake-shore thicket; tropical Arabia (YEM) and Africa (AGO, BDI, BEN, BFA, BWA, CAF, CIV, CMR, COD, ETH, GHA, GIN, GNB, MLI, MOZ, MWI, NAM, NGA, RWA, SDN, SEN, SOM, SWZ, TCD, TGO, TZA, UGA, ZAF, ZMB, ZWE); KEN [1-7]. Kamau *et al.* 239
- Trichilia strigulosa* Welw. ex C.DC. = *Trichilia dregeana*
- Turraea abyssinica* Hochst. ex A.Rich.; shrub or tree 2-12 m; riverine, dry forest; ETH, TZA; KEN [1-4, 5 (new), 6; new record for Kakamega Forest]. Althof 3. XI/2002
- +*Turraea floribunda* Hochst.; shrub or tree 3-6 m; moist forest; COD, MOZ, MWI, SWZ, TZA, UGA, ZAF, ZWE; KEN [7]. Kifcon
- Turraea holstii* Gürke; *Lumenzani/Shirietso* (Luhya); shrub or tree 2.5-12(-15) m; (montane) forest; tropical Arabia and Africa (COD, ETH, MWI, SDN, SOM, TZA, UGA); KEN [2-7]. Verdcourt 1670

- +*Turraea robusta* Gürke; shrub or tree (1-)2-8(-16) m; wooded grassland, riverine (secondary) forest (margins), thickets, on termite mounds; COD, MWI, TZA, UGA, ZMB; KEN [4-7]. Rembold photo record
- +*Turraea vogelioides* Bagshawe & Baker f.; shrub <3 m; forest margins; RWA, TZA, UGA; KEN [5 (new); new record for Kenya]. Rembold photo record

Melanthaceae

- Bersama abyssinica* Fresen. ssp. *paullinioides* (Planch.) Verdc.; *Shirikamabinga/Shiviambinga-Mekundi* (Luhya); tree <15 m; (montane) forest; tropical West Africa (CIV, CMR, GIN, LBR, NGA); KEN [2, 3, 5]. Perdue & Kibuwa 9495

Menispermaceae

- +*Cissampelos mucronata* A.Rich.; perennial climber with annual twining lianes <4-5 m; swamps; AGO, BEN, BDI, BFA, BWA, CAF, CIV, CMR, COD, ETH, GAB, GHA, GIN, GMB, MLI, MOZ, MWI, NAM, NER, NGA, RWA, SEN, SWZ, TCD, TZA, UGA, ZAF, ZMB, ZWE; KEN [3, 5, 6]. Obholzer photo record
- Stephania abyssinica* (Quart.-Dill. & A.Rich.) Walp.; liana 2-3 m, woody at base; forest margins, riverine forest, bamboo and *Hagenia* zone; tropical Arabia and Africa (AGO, BDI, BEN, BWA, CMR, COD, ETH, GIN, GNQ, MWI, NGA, TZA, UGA, ZAF, ZMB); KEN [1-6]. Hollis B2812
- +*Stephania cyanantha* Welw. ex Hiern; succulent climber or liana <15 m; forest or secondary bushland; AGO, CMR, COD, ETH, GNQ, TZA; KEN [3, 5, 6]. Rembold photo record
- Tiliacora funifera* (Miers) Oliv.; *Liwongo* (Luhya); liana <20 m; rainforest, riverine forest, moist shady places in woodland; AGO, BEN, CIV, CMR, COD, ETH, GAB, GNQ, MOZ, MWI, NGA, SDN, TGO, TZA, UGA, ZAF, ZMB, ZWE; KEN [1, 4-7]. Drummond & Hemsley 4774
- Tiliacora kenyensis* Troupin; liana <20 m; upland rainforest; endemic to KEN [5, endemic to Kakamega Forest]. Drummond & Hemsley 4783
- +*Tinospora caffra* (Miers) Troupin; herbaceous climber or woody liana; woodland, bushland, on rocky sites; AGO, BWA, CAF, COD, RWA, SDN, TZA, UGA, ZAF, ZMB; KEN [1, 3-5, 7]. Rembold photo record

Moraceae

- Antiaris toxicaria* Lesch.; *Mulundu* (Luhya), *Ohua/Madhako* (Luo); tree <45 m, bole buttressed; moist forest; tropical Asia (CHN, IND, IDN, LKA, MYS, PHL, THL, VNM) and Africa (AGO, BEN, CAF, CIV, CMR, COD, GAB, GHA, GMB, MLI, NGA, SDN, SEN, SLE, TGO, TZA, UGA, ZMB; MDG); KEN [5, 7]. Hansen 895
- Bosqueia phoberos* Baill. = *Trilepisium madagascariense*
- Dorstenia brownii* Rendle; ascending perennial herb; forest floor; COD, ETH, SDN, TZA, UGA; KEN [3-5, 7]. Gilbert 6853
- +*Dorstenia hildebrandtii* Engl.; perennial herb <70 cm, epiphytic or lithophytic; shaded riverine forest; BDI, COD, MOZ, RWA, TZA, UGA; KEN [3-6]. Rembold photo record
- Ficus amadiensis* De Wild.; *Bonyo* (Luo); tree 4-15 m; wooded or clumped bush grassland; CMR, COD, MWI, RWA, SDN, TZA; KEN [3, 5, 6]. Bally 2692

- Ficus asperifolia* Miq.; *Luseno* (Luhya); shrub 1.5-6 m; forest margins and thickets; BEN, CAF, CIV, CMR, COD, COG, GAB, GHA, GNQ, LBR, MLI, NGA, SEN, SDN, TZA, UGA; KEN [3, 5]. Kokwaro 3117
- Ficus bubu* Warb.; tree <20 m; forest or riverine forest; CMR, COD, GAB, MWI, TGO, TZA; KEN [5, 7]. Faden *et al.* 70/41
- Ficus capensis* Thunb. = *Ficus sur*
- Ficus cyathistipula* Warb.; tree 12-15 m, occasionally epiphytic; (riverine) forest (margins); AGO, CIV, CMR, COD, GAB, GHA, GNQ, SDN, TZA, UGA, ZMB; KEN [3-5]. Perdue & Kibuwa 9453
- Ficus exasperata* Vahl; *Museno* (Luhya); tree 4-27 m; wet forest (margins) or limestone outcrops; tropical Arabia and Africa (AGO, BDI, BEN, CAF, CIV, CMR, COD, COG, DJI, ETH, GAB, GHA, GIN, GNQ, LBR, MOZ, MWI, SEN, TGO, TZA, UGA, ZMB, ZWE); KEN [4, 5, 7]. Lucas 146
- Ficus kitubalu* Hutch. = *Ficus amadiensis*
- Ficus lutea* Vahl; tree <16(36?) m, evergreen, occasionally epiphytic, aerial roots, bark grey-brown; riverine forest or woodland, occasionally on rocks; AGO, BEN, CAF, CIV, CMR, ETH, GAB, GHA, GNQ, LBR, MOZ, MWI, SEN, SLE, SWZ, TGO, TZA, ZAF, ZMB, ZWE; COM, CPV, MDG, SYC; KEN [4-7]. Gathii 153
- Ficus mallotocarpa* Warb. = *Ficus sur*
- Ficus natalensis* Hochst.; tree 5-30 m, evergreen, often epiphytic; riverine and groundwater forest; AGO, BDI, BEN, CAF, CIV, CMR, COD, ETH, GAB, GHA, GNQ, LBR, MOZ, MWI, NGA, SEN, SWZ, TZA, UGA, ZAF, ZMB, ZWE; KEN [1, 3-7]. Althof *s.n.*
- Ficus ovata* Vahl; *Omododo* (Luhya), *Bongu* (Luo); tree 3.5-15 m, occasionally epiphytic; escarpment *Acacia-Terminalia* wooded grassland, swamp forest margins, dambos (swamps), lake shores; AGO, BDI, BEN, CAF, CIV, CMR, COD, GAB, GNQ, LBR, MOZ, MWI, NGA, SDN, SLE, TGO, UGA, ZMB; KEN [3, 5, 6]. Perdue & Kibuwa 9488
- +*Ficus sansibarica* Warb. ssp. *macrosperma* Mildbr. & Burret C.C. Berg; tree 9-20 m, sometimes epiphytic; riverine forest; AGO, UGA, ZMB; KEN [5, 7]. Rembold photo record
- Ficus saussureana* DC.; tree <20 m, occasionally epiphytic; forest; CMR, COD, COG, GAB, GHA, GIN, GNQ, LBR, SDN, SLE, TZA, UGA; KEN [5, restricted to Kakamega Forest]. Gilbert 6863
- Ficus storthophylla* Warb. = *Ficus asperifolia*
- Ficus sur* Forssk.; *Musingu* (Luhya), *Ngowo matundo* (Luo); tree 4.5-25 m, occasionally epiphytic, buttressed; riverine forest and bush, groundwater forest; tropical Arabia and Africa (AGO, BFA, BEN, BWA, CAF, CIV, CMR, COD, ETH, GAB, GHA, GNB, GNQ, LBR, NGA, SEN, SWZ, TGO, TZA, UGA, ZAF, ZMB; CPV); KEN [1, 3-7]. Dale 3405
- Ficus thonningii* Blume; *Pocho* (Luo); tree 6-21 m, occasionally epiphytic; riverine forest, on rocky sites, bushland or grassland, often left after clearing (forest relict?); AGO, BEN, BDI, BFA, BWA, CAF, CIV, CMR, COD, ERI, ETH, GAB, GHA, GIN, GNB, GNQ, LBR, MLI, MOZ, MWI, NAM, NER, NGA, SEN, SLE, SWZ, TGO, ZAF, ZMB, ZWE; COM, CPV; KEN [1-7]. Althof *s.n.*
- Ficus urceolaris* Welw. ex Hiern = *Ficus asperifolia*
- Ficus vallis-choudae* Delile; *Msingou* (Luhya), *Ng'ou* (Luo); tree 6-20 m, occasionally buttresses; riverine forest; BFA, BEN, CIV, CMR, ETH, GHA, GIN, MLI, MOZ,

- MWI, NGA, SDN, SEN, TGO, TZA, UGA, ZMB, ZWE; KEN [1-7]. Perdue & Kibuwa 9470
- +*Ficus verruculosa* Warb.; *Mukavakava* (Luhya); shrub or tree <5(-12) m; riverine vegetation, grassland near water, swamp forest margins; AGO, BDI, BEN, BWA, CMR, COD, MLI, MOZ, MWI, NAM, NGA, TZA, UGA, ZAF, ZMB; KEN [3, 5 (new); new record for Kakamega Forest]. Rembold photo record
- +*Ficus wakefieldii* Hutch.; tree <25 m; riverine forest, lake shores, on termite mounds in rocky places; COD, TZA, UGA, ZMB; KEN [1-7]. Kifcon
- +*Milicia excelsa* (Welw.) C.C.Berg; *Murumba* (Luhya), *Olua* (Luo); tree <30(50) m; moist forest, wooded grassland; AGO, BDI, BEN, CAF, CIV, CMR, COD, ETH, GAB, GHA, GNB, GNQ, LBR, MOZ, MWI, NGA, TGO, TZA, UGA, ZWE; KEN [4, 5, 7]; LR/nt. Kifcon / Kokwaro/Mutangah
- Morus lactea* (Sim) Mildbr. = *Morus mesozygia*
- Morus mesozygia* Stapf; *Munuku* (Luhya); tree <24 m; moist forest; AGO, CAF, CIV, CMR, ETH, GHA, MOZ, SEN, TZA, UGA, ZAF, ZMB; KEN [5, 7?]. Cole 90
- Trilepisium madagascariense* Thouars ex DC.; *Mballakaya* (Luhya); tree 10-25 (-35) m; moist forest; AGO, BEN, CAF, CIV, CMR, COD, ETH, GAB, GHA, GIN, LBR, MOZ, MWI, NGA, TGO, TZA, UGA, ZAF; MDG, SYC; KEN [3-5, 7]. Friis & Hansen 2592

Musaceae

Ensete edule Horan. = *Ensete ventricosum*

- +*Ensete ventricosum* (Welw.) Cheesman; giant perennial herb <4 m, pseudostem of old leafbases; moist forests; AGO, BDI, CMR, ETH, MOZ, MWI, RWA, SDN, TZA, UGA, ZAF, ZMB, ZWE; MDG; KEN [1, 3-7]. Althof photo record

Myrsinaceae

- Anagallis pumila* Sw.; annual herb 2-10(-25) cm; in shallow (waterlogged) grassland, seasonal swamp; pantropical; KEN [3-6]. Malombe *et al.* 1292
- Ardisiandra sibthorpioides* Hook.f.; creeping perennial herb; dry forest, bushland clearings; CMR, COD, ETH, GNQ, MWI, SDN, TZA, UGA; KEN [3-5]. Faden 69/2090
- Ardisiandra wettsteinii* R.Wagner; creeping perennial herb; deep shade on humus-rich substrates, in evergreen forest to subalpine bushland; BDI, COD, MWI, MOZ, RWA, TZA, UGA, ZMB, ZWE; KEN [3-5, 7]. Bally 13691
- Embelia schimperi* Vatke; scandent shrub or climber <12 m; upland evergreen forest (margins); AGO, BDI, CMR, COD, ETH, MWI, NAM, NGA, RWA, SDN, SLE, TZA, UGA, ZMB, ZWE; KEN [3-6]. Carroll 16
- Lysimachia ruhmeriana* Vatke; perennial herb <1 m; wet upland grassland; tropical Arabia and Africa (BDI, CMR, ERI, ETH, TZA, UGA, ZAF; MDG); KEN [3-6]. Obholzer 58-124
- Maesa lanceolata* Forssk.; *Lisebesebe/Mushebeshebe* (Luhya), *Kalatera/Sangla-Rau* (Luo); tree or shrub 1.2-24 m; secondary and riverine forest, thickets, forest margins, bushland, termite mounds; Arabia (YEM) and Africa (AGO, BDI, CIV, CMR, COD, ETH, GAB, GIN, GNQ, MOZ, MWI, NGA, SDN, SWZ, TZA, UGA, ZAF, ZMB, ZWE; MDG); KEN [1-7]. Kokwaro 4279
- Rapanea melanophloeos* (L.) Mez; evergreen tree or shrub 1.8-4.5(-20) m; upland forest, riverine or swamp forest, open woodland, grassland, thickets near streams;

AGO, BDI, CMR, ETH, MWI, NGA, SWZ, TZA, UGA, ZAF; COM, MDG; KEN [2-7]. Althof *s.n.*

Myrtaceae

**Eucalyptus saligna* Sm.; tree <55 m; common plantation timber; native range AUS, introduced to Old and New World tropics. Althof *s.n.*

**Psidium guajava* L.; tree <12 m; plantations, secondary forest; native range tropical America, cultivated throughout the tropics. Althof *s.n.*

+**Syzygium cumini* (L.) Skeels; tree 6-25 m; riverine or wooded grassland; native range Asia (CHN, IND, LKA, MYS), cultivated throughout tropics, introduced for edible fruits; KEN [4, 7]. Kifcon

Syzygium guineense (Willd.) DC. ssp. *guineense*; *Kumusemwa/Lemaiwet* (Luhya); tree, shrub or pyrophytic subshrub 0.2-30m; riverine or wooded grassland; tropical Arabia and Africa (BEN, BFA, BWA, CAF, CIV, CMR, COD, ETH, GAB, GHA, GIN, GNB, GNQ, LBR, MLI, MOZ, MWI, NGA, RWA, SDN, SEN, SOM, TGO, TZA, UGA, ZAF, ZMB, ZWE); KEN [1-7]. Perdue & Kibuwa *s.n.*

Nyctaginaceae

**Pisonia aculeata* L.; liana <30 m; probably introduced from tropical America; widespread in Old and New World tropics; KEN [4, 5, 7]. Faden *et al.* 70/19

Ochnaceae

Gomphia densiflora (De Wild. & T.Durand) Verdc.; shrub or tree (1-)2-5(-12) m; forest; CAF, CMR, COD, GAB, GNQ, NGA, SDN, TZA, UGA, ZMB; KEN [5, restricted to Kakamega Forest]. Carroll H62/44

Gomphia likimiensis (De Wild.) Verdc.; shrub or tree 1.2-4.5(-12) m; in swamp forests; COD, SDN, TZA, UGA; KEN [5, restricted to Kakamega Forest near Yala River]. Dale in FD 3244

+*Ochna holstii* Engl.; tree 4.5-24 m; dry forest (remnants), mist forest; BDI, COD, ETH, MOZ, MWI, RWA, SDN, TZA, UGA, ZMB, ZWE; KEN [1-7]. Kifcon

Ochna insculpta Sleumer; shrub or tree 1-9 m; dry forest, less common in wet or riverine forest; ETH, TZA, UGA; KEN [1-7]. Kokwaro 3106

Ouratea densiflora De Wild. & T.Durand = *Gomphia densiflora*

Ouratea hiernii sensu Beentje K.T.S.L.: 124 (1994), *non* (Tiegh.) Exell = *Gomphia likimiensis*

Olacaceae

Strombosia scheffleri Engl.; tree <30 m; sometimes dominant in moist forest; AGO, BDI, CMR, COD, GAB, GNQ, MOZ, MWI, NGA, RWA, SDN, TZA, UGA; KEN [1, 4, 5, 7]. Perdue & Kibuwa 9447

Oleaceae

Chionanthus mildbraedii (Gilg & Schellenb.) Stearn; scandent evergreen shrub or tree 2.5-12 m; wet upland forest; CMR, ETH, SDN, TZA, UGA; KEN [5, Kakamega Forest and SW Mau]. Faden *et al.* 70/27

Jasminum abyssinicum Hochst. ex DC.; climber 1.8-7.5 m; upland dry or wet evergreen forest margins, bushland or riverine forest; BDI, CMR, COD, ETH, MOZ, MWI, TZA, UGA, ZAF, ZMB, ZWE; KEN [1, 3-6]. Carroll 2

Jasminum eminii Gilg = *Jasminum schimperi*

+*Jasminum fluminense* Vell.; *Seke* (Luo); climber or scrambling shrub <6 m; evergreen or deciduous bushland, thickets, forest margins, secondary vegetation; Arabia (YEM, SAU) and Africa (AGO, BWA, EGY, ERI, ETH, MOZ, MWI, NAM, NGA, SDN, SLE, SOM, SWZ, TZA, UGA, ZAF, ZMB, ZWE; MUS, SYC); KEN [1-7]. Rembold photo record

+*Jasminum pauciflorum* Benth.; climber 4.5-6 m; primary or swamp forest, thickets; AGO, BFA, BDI, BEN, CAF, CIV, CMR, COD, GAB, GHA, GNB, LBR, NGA, SDN, SLE, TGO, TZA, UGA, ZMB; KEN [5, restricted to Kakamega Forest]. Kifcon

Jasminum schimperi Vatke; *Oseke* (Luo); climber 1-3 m; rainforest, wooded grassland, rocky ground, roadside, thickets; BDI, ETH, SDN, TZA, UGA; KEN [1, 4-7]. Mwangangi & Gliniars 1

Olea capensis L.; *Mutukuyu/Omutukuyu* (Luhya); tree 3-24(-40) m; evergreen mixed forest; AGO, COD, ETH, MOZ, MWI, TZA, UGA, ZAF, ZMB, ZWE; KEN [3-5]. Verdcourt 1714

Olea mildbraedii (Gilg & Schellenb) Knobl. = *Chionanthus mildbraedii*

Olea welwitschii (Knobl.) Gilg & Schellenb. = *Olea capensis*

Schrebera alata (Hochst.) Welw.; *Ochol* (Luo); tree or shrub 4-24 m; bushland, forest; AGO, BDI, COD, ETH, MOZ, MWI, RWA, SWZ, TZA, UGA, ZAF, ZMB, ZWE; KEN [1, 3-7]. Althof *s.n.*

Schrebera arborea Chev.; tree 18-35 m; forest; BEN, CIV, COD, GIN, GNB, NGA, SDN, SEN, UGA; KEN [5]. Gathua 1

Onagraceae

Jussiaea abyssinica (A.Rich.) Dandy & Brenan = *Ludwigia abyssinica*

Ludwigia abyssinica A.Rich.; perennial herb or shrub <3 m; swampy ground by ditches, rivers, lakes; AGO, BDI, BEN, BWA, CAF, CIV, CMR, COD, ETH, GIN, LBR, MOZ, MWI, NAM, NGA, SDN, SEN, SLE, TZA, UGA, ZAF, ZMB, ZWE; MDG; KEN [3-5]. Bridson 1

Orchidaceae

All orchid species are protected by CITES and listed on Appendix II.

+*Aerangis kotschyana* (Rchb.f.) Schltr.; perennial herb, epiphytic, short stem with a fan of 3-20 leaves 6-20 cm long; light shade in canopy, on branches or trunks; humid savannas, forests; CAF, GAB, GIN, MOZ, MWI, NGA, RWA, SLE, TZA, UGA, ZMB; KEN [5, 7]; Kokwaro

Aerangis luteo-alba (Kraenzl.) Schltr. var. *rhodosticta* (Kraenzl.) J.L.Stewart; perennial herb, epiphytic, almost stemless with a fan of 2-8(-12) leaves <15 cm long; usually attached to shrubs rarely on tree trunks, near water, moist shady localities; from GNQ to CMR, COD, ETH, AGO, TZA; KEN [4-6]. Lucas 112

Aerangis rhodosticta (Kraenzl.) Schltr. = *Aerangis luteo-alba* var. *rhodosticta*

Aerangis ugandensis Summerh.; perennial herb, epiphytic, woody stem <20 cm, leaves 4-12, 5-15 cm long; dense shade near water on trunks; COD, UGA; KEN [3-5]. Carroll in Moreau 660

Angraecopsis amaniensis Summerh.; dwarf perennial herb, epiphytic, almost stemless, roots numerous, leaves 1-3(-4), 1-3 cm long; shady moisture forests on trunks; MOZ, MWI, TZA, ZWE, ZMB; KEN [3-5]. Tweedie 603; Piers 113 (K)

- Angraecopsis gracillima* (Rolfe) Summerh.; perennial herb, epiphytic, short stem, leaves 2-10, 6-15 cm long; canopy and trunks; CMR, COD, UGA, ZMB; KEN [2, 3, 5]. Tweedie 590 (K)
- Angraecum firthii* Summerh.; perennial herb, epiphytic, stem 10-30 cm, leaves 8-12 cm long; CMR, GNQ; KEN [5]. Firth *s.n.*
- Angraecum humile* Summerh.; dwarf perennial herb, epiphytic, stem 1-4, leaves 5-7 (-11) mm long; on mossy twigs near streams; ETH, RWA, TZA, ZWE; KEN [3-5, 7]. Carroll in Moreau 413
- +*Angraecum infundibulare* Lindl.; perennial herb, epiphytic, stem <100 cm, leaves in 2 rows 10-20 cm long; CAF, CMR, COD, NGA, RWA, UGA; KEN [5; restricted along Yala River]. Althof photo record
- Angraecum sacciferum* Lindl.; dwarf perennial herb, epiphytic or lithophytic, stem <5 cm or absent, leaves 1-6 cm long; shady forests; CMR, COD, MOZ, MWI, TZA, UGA, ZAF, ZWE; KEN [3-7]. Carroll 132
- Ansellia africana* Lindl.; perennial herb 50-120 cm, epiphytic, rarely terrestrial or lithophytic, 8-10 leaves 15-40 cm long; light shade or sunny; AGO, BEN, BWA, CAF, CIV, CMR, COD, COG, GAB, GHA, GNQ, LBR, MOZ, MWI, NAM, NGA, RWA, SLE, SWZ, TZA, UGA, ZAF, ZMB, ZWE; KEN [2-7]. Board in Verdcourt 1685
- Ansellia gigantea* Rchb.f. var. *nilotica* (Baker) Summerh. = *Ansellia africana*
- Bolusiella imbricata* (Rolfe) Schltr. = *Bolusiella maudiae*
- Bolusiella iridifolia* (Rolfe) Schltr.; dwarf perennial herb, epiphytic, almost stemless, slender roots, a fan of 4-6 V-shaped leaves 2-5 cm long; on twigs and small moss- or lichen-covered branches in cooler position; AGO, CAF, CMR, COD, ETH, GAB, GHA, GNQ, MWI, TZA, UGA, ZMB, ZWE; COM; KEN [3-7]. Bytebier 689
- Bolusiella maudiae* (Bolos) Schltr.; dwarf perennial herb, epiphytic, almost stemless, slender roots, a fan of 4-8 leaves 1-3.5 cm long; on twigs and small branches in warm and humid forests; CIV, GHA, MWI, TZA, UGA, ZAF, ZMB; KEN [3, 5, 6]. Maas Geesteranus 6263
- Brachycorythis buchananii* (Schltr.) Rolfe; perennial herb, terrestrial 20-50 cm, leaves <4 cm long; grasslands and swamps; AGO, CAF, CMR, COD, ETH, GIN, MWI, NGA, TZA, UGA, ZMB, ZWE; KEN [3, 5; restricted to near Kakamega]. Tweedie 99 (614)
- Brachycorythis kalbreyeri* Rchb.f.; perennial herb, epiphytic or rarely terrestrial, 15-40 cm, leaves <15 cm long; on mossy tree-trunks and decomposing logs in riverine forests; CMR, GIN, LBR, SLE, TZA, UGA; KEN [3, 5]. O'Bell *s.n.*
- Brachycorythis ovata* Lindl. ssp. *schweinfurthii* (Rchb.f.) Summerh.; perennial herb, terrestrial 40-100 cm long, leaves <8 cm; grasslands; AGO, CAF, CIV, CMR, COD, ETH, MWI, NGA, SDN, SEN, UGA, ZAF, ZMB, ZWE; KEN [2, 3, 5]. Tweedie 608 (K)
- Brachycorythis tenuior* Rchb.f.; perennial herb, terrestrial <55 cm, leaves <5.5 cm long; grassy swamps and cleared woodland; AGO, CAF, CMR, COD, GAB, GIN, MWI, SLE, TZA, UGA, ZAF, ZMB, ZWE; KEN [4, 5; recorded from Kakamega and Machakos]. Tweedie 100
- Bulbophyllum bequaertii* De Wild.; perennial herb, epiphytic, pseudobulbs 4.5-11 cm, linear leaves 12-20 cm long; shady forests; CMR, COD, TZA, UGA; KEN [3, 5]. Verdcourt 1705

- Bulbophyllum cochleatum* Lindl.; perennial herb, epiphytic, pseudobulbs 2.5-3.5 cm, leaves 8-12cm long; shady forests; AGO, CIV, CMR, COD, GAB, GIN, GNQ, LBR, MWI, NGA, RWA, SLE, SDN, TZA, UGA, ZMB; KEN [3, 5]. Carroll in Moreau 663
- +*Bulbophyllum distans* Lindl.; perennial herb, epiphytic, pseudobulbs 3.5-6 cm, leaves 9-12cm long; CIV, CMR, COD, GAB, LBR, NGA, UGA; KEN [5; restricted to Kakamega Forest]. Althof photo record
- Bulbophyllum encephalodes* Summerh.; perennial herb, epiphytic, pseudobulbs 2-2.8 cm, leaves 7-12 cm long; BDI, CMR, COD, MWI, TZA, UGA, ZMB, ZWE; KEN [3, 5; restricted near Kakamega, Kericho, Kaimosi]. Verdcourt 1711
- +*Bulbophyllum falcatum* (Lindl.) Rchb.f.; perennial herb, epiphytic, pseudobulbs 2-5 cm, leaves 6-12cm long; CIV, CMR, COD, GAB, GIN, GNQ, LBR, NGA, SLE, UGA; KEN [3, 5, 7, near Yala River]. Althof photo record
- Bulbophyllum intertextum* Lindl.; dwarf perennial herb, epiphytic, pseudobulbs 3-10mm, leaves 1-5 cm long; AGO, CIV, CMR, ETH, GAB, GHA, GIN, GNQ, LBR, NGA, SLE, TZA, ZMB, ZWE; SYC; KEN [3, 5, 7]. Carroll in Moreau 675
- +*Bulbophyllum josephi* (Kuntze) Summerh.; perennial herb, epiphytic, pseudobulbs 1.5-3 cm, leaves 8-16 cm long; CMR, GIN, ETH, SLE, ZMB, ZWE; KEN [5, 7]. (Kokwaro)
- Bulbophyllum mahonii* Rolfe = *Bulbophyllum josephi*
- Bulbophyllum schlechteri* De Wild. = *Bulbophyllum josephi*
- Calanthe sylvatica* (Thouars) Lindl.; robust perennial herb <65 cm, terrestrial, pseudobulbs 2-5 cm, leaves 15-45 cm long; forest floor, usually near rivers; Asia (CHN, IND, LKA, IDN, MYS) and Africa (COD, CMR, GAB, GIN, GNQ, MWI, RWA, TZA, UGA, ZAF, ZMB, ZWE; COM, MDG, REU; KEN [2-6]. Mutangah *et al.* K 32
- Chamaeangis odoratissima* (Rchb.f.) Schltr.; perennial herb, pendent epiphytic, stem 20-45 cm, leaves 10-24 cm long; on large trees; AGO, CAF, CIV, CMR, GAB, LBR, MWI, SLE, TZA, UGA; KEN [3, 5]. Carroll in Tweedie 16
- Cribbia brachyceras* (Summerh.) Senghas; perennial herb, epiphytic, rarely lithophytic, stem upright <20 cm, leaves 8-13 cm long; near rivers on mossy trunks or rocks; CMR, COD, GIN, SLE, TZA, UGA, ZMB; KEN [5]. Carroll in Moreau 792
- Cyrtorchis arcuata* (Lindl.) Schltr.; perennial herb, epiphytic or lithophytic, stems <30 cm, leaves 12-22 cm long; on trees or rocks in open forest and bush; BDI, BEN, CAF, CIV, CMR, ETH, GAB, GHA, GIN, GNQ, LBR, MOZ, MWI, NGA, SEN, SWZ, TZA, ZAF; KEN [1-7]. Bridson 19 ; Williams & Piers 609
- Cyrtorchis brownii* (Rolfe) Schltr.; perennial herb, epiphytic stem upright <20 cm, leaves 6-12 cm long; CAF, CIV, COD, GAB, GNQ, SLE, TZA, UGA; KEN [5, 7, riverside forests of Teita Hills and Kakamega district]. Archer 383
- Diaphananthe fragrantissima* (Rchb.f.) Schltr.; perennial herb, epiphytic, stems 5-50 cm, leaves 15-40 cm long; forests or undisturbed bushland; AGO, BDI, CAF, CMR, COD, ETH, GAB, GNQ, MOZ, SDN, TZA, UGA, ZAF, ZMB; KEN [3, 5, 7]. Glover 12162
- +*Diaphananthe lorifolia* Summerh.; perennial herb, epiphytic, pendent stem 8-40cm, leaves 14-25cm long; on trees at forest margins, or near rivers and swamps; ETH, SDN, TZA, UGA; KEN [2, 3, 5, 6]. Kokwaro
- Diaphananthe rutila* (Rchb.f.) Summerh. = *Rhipidoglossum rutilum*

- Diaphananthe xanthopollinia* (Rchb.f.) Summerh.; perennial herb epiphytic, pendent stem 6-45 cm, leaves 3-15cm long; riverine forest; AGO, COD, MWI, TZA, UGA, ZAF, ZMB, ZWE; KEN [3, 5, 7]. Carroll in Tweedie 619
- Disa hircicornis* Rchb. f.; perennial herb 30-60(-85) cm, terrestrial; wet grassland, swamps; AGO, CMR, COD, MOZ, MWI, NER, NGA, RWA, TZA, UGA, ZAF, ZMB, ZWE; KEN [3, 5]. Obholzer & Fischer *s.n.*
- +*Disperis anthoceros* Rchb.f.; perennial herb 8-30 cm, terrestrial; on ground litter in evergreen and bamboo forests; BDI, COD, ETH, MWI, NGA, RWA, SDN, SWZ, TZA, UGA, ZAF, ZMB, ZWE; MDG; KEN [3, 5; new record for Kakamega Forest]. Althof photo record
- Disperis aphylla* Kraenzl.; perennial herb 8-16 cm, terrestrial; on ground litter in evergreen forest; AGO, CMR, COD, COG, TZA, UGA, ZMB; KEN [5, 7, restricted to Kakamega Forest and Shimba Hills]; CITES App. II. Mainwaring in Tweedie 631
- Disperis reichenbachiana* Rchb.f.; perennial herb 8-25 cm, terrestrial; on ground litter and in rock crevices in grassland and bush; AGO, BDI, CAF, COD, MWI, RWA, TZA, UGA, ZMB, ZWE; KEN [3-5]. Tweedie 2147
- Eulophia angolensis* (Rchb.f.) Summerh.; perennial herb 60-200 cm, terrestrial; in marshes, swamps, seasonally flooded grasslands; AGO, BFA, BEN, BWA, CAF, CIV, CMR, COD, ETH, GAB, GIN, GMB, MOZ, MWI, NGA, SDN, SLE, SWZ, TGO, TZA, UGA, ZAF, ZMB; KEN [3-7]. Barney 3
- +*Eulophia calantha* Schltr.; perennial herb 20-75 cm, terrestrial; in marshes, swamps, seasonally flooded grasslands; AGO, CAF, GIN, MOZ, MWI, TZA, UGA, ZMB; KEN [3, 5]. Kokwaro
- Eulophia chlorotica* Kraenzl. = *Eulophia tanganyikensis*
- +*Eulophia cucullata* (Afzel. ex Sw.) Steud.; perennial herb 40-130 cm, terrestrial; in (wooded) grassland, bushland; AGO, BFA, BDI, BEN, CAF, CIV, CMR, COD, DJI, ETH, GAB, GHA, GNB, GMB, MLI, MOZ, NER, NGA, RWA, SEN, SLE, TCD, TZA, UGA, ZAF, ZMB; COM, MDG; KEN [1-3, 5-7]. Kokwaro
- Eulophia galeoloides* Kraenzl.; perennial herb 6-100 cm, terrestrial, lacking chlorophyll; in shade on forest floor; CMR, COD, GHA, NGA, SDN, TZA; KEN [5, restricted to Kakamega Forest]. Tweedie 446
- Eulophia grantii* (Rchb.f.) Summerh. = *Eulophia streptopetala*
- +*Eulophia guineensis* Lindl.; perennial herb <65 cm, terrestrial or occasionally lithophytic; riverine forest, among shaded rocks; Arabia (OMN, YEM) and Africa (AGO, BEN, BFA, BWA, CAF, CIV, CMR, COD, COG, CPV, ETH, GAB, GHA, MLI, MWI, NGA, RWA, SDN, SEN, SLE, TCD, TGO, TZA, UGA, ZMB, ZWE); KEN [3, 5; 1650-2330m]. Obholzer photo record
- Eulophia horsfallii* (Bateman) Summerh. = *Eulophia rosea* (Lindl.) A.D.Hawkes
- +*Eulophia odontoglossa* Rchb.f.; perennial herb 60-100 cm, terrestrial; grassland, especially in rocky areas; BEN, CIV, CMR, COD, COG, ETH, GIN, MOZ, MWI, NGA, SLE, SWZ, TGO, TZA, ZAF, ZMB; KEN [3, 5]. (Kokwaro)
- Eulophia orthoplectra* (Rchb.f.) Summerh.; perennial herb 60-100 cm, terrestrial; grassland, especially where it is seasonally moist; CIV, CMR, COD, ETH, NGA, SDN, TZA, UGA, ZMB, ZWE; KEN [3, 5, 6]. Verdcourt 1697
- Eulophia porphyroglossa* (Rchb.f.) Bolus = *Eulophia rosea*

- Eulophia rosea* (Lindl.) A.D.Hawkes; perennial herb 1-3 m, terrestrial; in forests and open bushland by streams, rivers and dams, swamps and marshy places; AGO, BDI, BEN, BWA, CAF, CIV, CMR, COD, COG, GAB, GIN, GMB, GNQ, LBR, MOZ, RWA, SLE, TZA, UGA, ZAF; KEN [2-7]. Lucas 124 (K)
- Eulophia shupangae* (Rchb.f.) Kraenzl. = *Eulophia odontoglossa*
- Eulophia stachyodes* Rchb.f.; perennial herb 30-80 cm, terrestrial; grassland, bushland at woodland margins; CMR, ETH, GAB, MWI, NGA, SDN, TCD, TZA, UGA, ZWE; KEN [3, 5]. Dale in FD 3269
- Eulophia streptopetala* Lindl. var. *streptopetala*; perennial herb 50-150 cm, terrestrial; forest margins or among bushes in scrub and grassland; Arabia (YEM) and Africa (AGO, COD, ERI, ETH, GMB, LSO, MOZ, MWI, RWA, SDN, SWZ, TZA, UGA, ZAF, ZMB, ZWE); KEN [3-6]. Barney in Bally 6317
- Eulophia tanganyikensis* Rolfe; perennial herb 40-60 cm, terrestrial; damp grasslands; COD, MWI, TZA, ZMB, ZWE; KEN [3, 5]. Carroll in Tweedie 131
- +*Habenaria chirensis* Reichb.f.; perennial herb <100 cm, terrestrial; damp grassland, swamps, wet places among rocks; BDI, CMR, COD, ETH, NGA, RWA, TCD, TZA, UGA; KEN [3-5; 1850-2300m]. Obholzer photo record
- Habenaria egregia* Summerh.; perennial herb <100 cm, terrestrial; grassland; CMR; KEN [3, 5, restricted to Kakamega district]. Carroll H32
- Habenaria malacophylla* Rchb.f.; perennial herb 30-100 cm, terrestrial; upland rainforest and grassland, which has replaced forest; BDI, CMR, COD, ETH, GAB, MWI, NGA, SLE, SWZ, TZA, UGA, ZAF, ZMB, ZWE; KEN [3-6]. Gardner in FD 2481
- +*Liparis nervosa* (Thunb. ex Murray) Lindl.; perennial herb 20-60 cm, terrestrial or lithophytic, pseudobulbs <2.5cm, leaves <35cm long; open sites of woodland, scrub and rocks; pantropical; KEN [5 (new); new record for Kenya]. Rembold photo record
- Malaxis weberbaueriana* (Kraenzl.) Summerh.; perennial herb <25 cm, terrestrial; forest or woodland; AGO, CMR, MWI, TZA, ZMB, ZWE; KEN [5, restricted to Kakamega Forest]. Lucas 113
- Microcoelia globulosa* (Hochst. ex A.Rich.) L.Jonsson; dwarf perennial herb, epiphytic, short stem, inflorescences 2-9 cm; on twigs in dry forest margins and bush; AGO, CAF, CMR, ETH, NGA, RWA, TZA, UGA, ZMB, ZWE; KEN [3, 5, 6]. Carroll in Moreau 667
- Microcoelia guyoniana* (Rchb.f.) Summerh. = *Microcoelia globulosa*
- Microcoelia koehleri* (Schltr.) Summerh.; dwarf perennial herb, epiphytic occasionally lithophytic, short stem, inflorescences 2-7 cm; on twigs, occasionally on rocks; MWI, NGA, RWA, TZA, UGA, ZMB; KEN [5, restricted to Kakamega and Kisumu]. Carroll in Tweedie 138
- +*Nervilia adolphi* Schltr. var. *seposita* N.Hallé & Toill.-Gen.; perennial herb 6-20 cm (inflorescence), leaf creeping, terrestrial; range for whole species BDI, CIV, COD, GHA, NGA, MOZ, MWI, RWA, TZA, ZWE; KEN [5 (new); new record for Kenya]. Fischer photo record
- +*Nervilia bicarinata* Blume; perennial herb 17-75 cm (inflorescence), leaf creeping, terrestrial; riverine and waterfall forest; tropical Arabia (YEM) and Africa (AGO, BEN, CAF, CIV, CMR, COD, ETH, GIN, GNQ, MOZ, MWI, NGA, SEN, TCD, TGO, TZA, ZAF, ZMB, ZWE; COM, MDG, MUS, REU); KEN [5 (new), 7; new record for Kakamega Forest]. Rembold photo record

- +*Nervilia* cf. *crociformis* (Zoll. & Moritz) Seidenf.; perennial herb 1.5-10 cm (inflorescence), leaf creeping, terrestrial; evergreen (riverine) forest, grassland, pine plantations; Asia (IND, IDN), NCL, AUS and Africa (CAF, CIV, CMR, COD, COG, ETH, GIN, MOZ, MWI, NGA, SLE, SEN, TZA, ZMB; MDG); KEN [5 (new), 7]. Rembold photo record
- +*Nervilia kotschy* (Rchb.f.) Schltr.; perennial herb 8-42 cm (inflorescence), leaf creeping <16cm wide, terrestrial; short grassland and amongst bushes and shrub; AGO, BEN, CAF, COD, ERI, ETH, MLI, NGA, SDN, SEN, TCD, TZA, ZAF, ZMB, ZWE; COM, MDG; KEN [3, 5, 7]. Kokwaro
- +*Nervilia petraea* Afzel. ex Summerh.; perennial herb 2-8.5(-10.5) cm (inflorescence), leaf creeping, terrestrial; *Brachystegia* woodland, grassland, dambos (swamps), pine plantations; palaeotropical; KEN [5 (new), 7; new record for Kakamega Forest]. Rembold photo record
- +*Oberonia disticha* (Lam.) Schltr.; small perennial herb 2-15 cm, epiphytic, leaves 2-5 cm long; shady humid forests; CMR, GAB, TZA, UGA, ZAF; COM, MDG; KEN [5, 7, restricted to Kakamega and Teita Hills]. Kokwaro
- +*Oeceoclades maculata* (Lindl.) Lindl.; perennial herb 20-40 cm, terrestrial or rarely low epiphytic; leaf litter in shade of riverine forest or woodland; South America, Caribbean and Africa; KEN [5]. Rembold photo record
- +*Oeceoclades ugandae* (Rolfe) Garay & P.Taylor; perennial herb 20-40 cm, terrestrial; leaf litter in shade of riverine forest; COD, ETH, UGA; KEN [5]. Rembold photo record
- Polystachya adansoniae* Rchb.f. var. *adansoniae*; small perennial herb 10-20 cm, epiphytic or lithophytic, pseudobulbs 3-9 cm, leaves 8-20 cm long; woodlands and dry forests; AGO, BDI, CAF, CIV, CMR, GAB, GIN, GNQ, LBR, MWI, NGA, SLE, TZA, UGA, ZMB; KEN [3, 5, 6]. Hansen 940.
- Polystachya bennettiana* Rchb.f.; perennial herb 20-40 cm, epiphytic, pseudobulbs <25 cm, leaves 10-20 cm long; light shade in drier forests and open woodland; CMR, COD, ETH, NGA, TZA, ZMB; KEN [1-5]. Carroll in Moreau 695
- +*Polystachya bicarinata* Rendle; perennial herb, epiphytic or lithophytic, pseudobulbs <20 cm; highland forest often near rivers; BDI, CMR, COD; RWA, TZA, UGA, KEN [3-6; new record for Kakamega Forest]. Rembold photo record
- Polystachya cultriformis* Lindl. ex Spreng.; perennial herb, epiphytic or lithophytic, pseudobulbs 2-18 cm, leaves 3-26 cm long; near rivers; AGO, BDI, CMR, COD, ETH, GAB, GNQ, RWA, SDN, SWZ, TZA, ZAF, ZMB, ZWE; SYC, COM, MDG, MUS, REU; KEN [1-7]. Carroll in Moreau 696
- Polystachya fusiformis* (Thouars) Lindl.; perennial herb, epiphytic, stems 8-23 cm, leaves 5-15 cm long; CMR, COD, GAB, GHA, GNQ, TZA, ZAF, ZMB; MDG, MUS, REU; KEN [5, restricted to Kakamega Forest and around Lake Victoria]. Carroll in Tweedie 649
- Polystachya golungensis* Rchb.f.; perennial herb 10-45 cm, epiphytic or lithophytic, pseudobulbs 2-6 cm, leaves 5-18 cm long; light shade on tress or rocks, AGO, CAF, CIV, CMR, COD, GAB, GIN, LBR, MLI, MOZ, NGA, TZA, UGA, ZMB, ZWE; KEN [3, 5]. Cunningham van Someren 9
- Polystachya inconspicua* Rendle = *Polystachya tenuissima*
- Polystachya lindblomii* Schltr.; perennial herb, epiphytic, stem 7-9 cm, grass-like leaves 5-11 cm long; forest margins; COD, ETH, MOZ, MWI, RWA, TZA, UGA, ZWE; KEN [3, 5-7]. Tweedie 470

- +*Polystachya spatella* Kraenzl.; perennial herb, epiphytic, stems 10-12 cm, leaves 3-8 cm long; common in highland forests; COD, TZA, UGA; KEN [3-6]. Kokwaro
- Polystachya steudneri* Rchb.f.; perennial herb 10-20 cm, epiphytic, pseudobulbs 2-5 cm, leaves <12 cm long; woodland; CMR, ETH, MWI, NGA, SDN, UGA; KEN [2, 3, 5, 6]. Jack 401
- Polystachya stricta* Rolfe = *Polystachya bennettiana*
- Polystachya tenuissima* Kraenzl.; small perennial herb, epiphytic, pseudobulbs 1-6 cm, leaves 2-14 cm long; forest; CIV, CMR, COD, GHA, GNQ, UGA; KEN [3, 5, 6]. Tweedie 604
- +*Polystachya transvaalensis* Schltr.; perennial herb 10-30 cm, epiphytic, pseudobulbs <25cm, leaves 4-10cm long; forest; COD, MWI, SDN, SWZ, TZA, UGA, ZAF, ZWE; REU; KEN [2-7]. Mutangah
- Pteroglossaspis eustachya* Rchb.f.; perennial herb, terrestrial, underground pseudobulbs, inflorescences 22-65 cm; wet grassland or over rocks; ETH, MOZ, TZA, UGA, ZWE; KEN [3, 5]. Tweedie 103
- +*Pteroglossaspis ruwenzoriensis* (Rendle) Rolfe; perennial herb, terrestrial, underground pseudobulbs, inflorescences 30-60 cm; upland and seasonally wet grassland; South America (BRA, ARG), Africa (TZA, UGA, ZMB); KEN [3-5]. Kokwaro
- Rangaeria brachyceras* (Summerh.) Summerh. = *Cribbia brachyceras*
- +*Rangaeria muscicola* (Rchb.f.) Summerh.; perennial herb, epiphytic or occasionally lithophytic, stems <6 cm, leaves 6-20 cm long; humid forests, amongst mosses on well-shaded branches; AGO, CIV, CMR, GAB, GHA, GIN, LBR, MOZ, MWI, NGA, SLE, TZA, UGA, ZMB, ZWE; KEN [3-6]. Kokwaro
- Rhipidoglossum rutilum* (Rchb.f.) Schltr.; perennial herb, epiphytic, pendent stem 5-40 cm, leaves 8-15 cm long; in riverine forest or open forest and bush; BDI, CAF, CMR, COD, GAB, GHA, MWI, NGA, SLE, TZA, UGA, ZMB, ZWE; KEN [3-7]. Dale in FD 3108
- Stolzia repens* (Rolfe) Summerh.; creeping perennial herb 1-2 cm, epiphytic or lithophytic, forming dense mats, pseudobulbs 2-4.5 cm, leaves 0.5-1.4 cm long; riverine forest, usually in shady places on mossy branches or on rocks; CMR, COD, ETH, GHA, GNQ, MWI, NGA, TZA, UGA, ZMB, ZWE; KEN [3-6]. Carroll in Moreau 848
- Triceratorhynchus viridiflorus* Summerh.; dwarf perennial herb, epiphytic, stems <1 cm, leaves 1-5 cm long; in warmer forests on twigs; UGA (Budongo); KEN [5, restricted to Kakamega Forest]. Tweedie 648
- Tridactyle anthomaniaca* (Rchb.f.) Summerh.; pendent perennial herb, epiphytic, stems <45 cm, leaves 4-8 cm long; lower warmer forests; CAF, CIV, COD, COG, GAB, GIN, GNQ, LBR, MOZ, MWI, NGA, SLE, TZA, UGA, ZMB, ZWE; KEN [5, 6, Kakamega Forest and Sagala Hill in Teita district]. Tweedie 616
- Tridactyle bicaudata* (Lindl.) Schltr.; perennial herb, epiphytic or lithophytic, stems 10-80 cm, leaves 8-14 cm long; wide range of undisturbed habitats; BDI, CIV, CMR, COD, ETH, GAB, GHA, LBR, MWI, NGA, SWZ, TZA, UGA, ZAF, ZMB, ZWE; KEN [3-7]. Kokwaro 3771
- Tridactyle filifolia* (Schltr.) Schltr.; pendent perennial herb, epiphytic, stems 10-100 cm, leaves 3-12 cm long; warmer forests on large branches; CAF, CMR, COD, ETH, GAB, GHA, MWI, SLE, TZA, UGA, ZMB; KEN [5, restricted to Kakamega Forest]. Drummond & Hemsley 4794

+*Tridactyle tridentata* (Harv.) Schltr.; perennial herb, epiphytic or lithophytic, stems 10-50 cm, leaves 6-10 cm long; warmer forests and woodlands; CAF, CIV, CMR, COD, GAB, GIN, MWI, NGA, SLE, TZA, UGA, ZAF, ZMB; KEN [5, restricted to Kakamega Forest]. Kokwaro

Zeuxine elongata Rolfe; perennial herb <40 cm, terrestrial, creeping rhizome, leaves <7 cm long, flowers green and white; dense shade in humus or on rocks on forest floor, by rivers and waterfalls; CMR, COD, ETH, GNQ, MWI, NGA, TZA, UGA, ZMB; KEN [5; restricted near the Yala River, north of Kaptiki]. Lye & Katende 4959; Jonsell 2204

Orobanchaceae

Alectra alba (Hepper) B.L.Burt; holoparasitic perennial herb (5-)10-40 cm, entirely white; montane forest floor among leaf litter; BDI, RWA, UGA; KEN [5, restricted to Kakamega Forest]. Cunningham van Someren 16258

Alectra rigida (Hiern) Hemsl.; perennial herb 20-70(-85) cm; AGO, BEN, BFA, CMR, GNB, MWI, TGO, TZA, ZMB, ZWE; KEN [5 (new), new record for Kakamega Forest]. Obholzer & Fischer s.n.

Alectra sessiliflora (Vahl) Kuntze; hemiparasitic annual herb <60 cm; amongst grass; Asia (from Yem to CHN, IND, IDN, MMR, THL, VNM, PHL, MYS) and tropical and southern Africa (AGO, BDI, BEN, BWA, CAF, CIV, CMR, COD, ETH, GHA, GIN, GNB, LBR, LSO, MLI, MOZ, MWI, NAM, NGA, RWA, SDN, SEN, SLE, SWZ, TCD, TGO, TZA, UGA, ZAF, ZMB, ZWE; MDG, MUS); KEN [3-7]. Fischer, Malombe *et al.* s.n.

Buchnera capitata Burm.f.; hemiparasitic annual herb <90 cm; damp sites on grassland; BEN, CAF, CMR, ETH, GAB, MLI, TZA, UGA; MDG; KEN [3, 5 (new); new record for Kakamega Forest]. Rembold photo record, Fischer s.n.

Cycnium adonense Benth. ssp. *adonense* O.J.Hansen; perennial herb 5-35 cm, woody tuber; wooded grassland; AGO, BDI, BEN, BWA, CAF, CMR, COD, ETH, GAB, MOZ, MWI, SWZ, TZA, UGA, ZAF, ZMB; KEN [2-7]. Hansen 913

Harveya alba Hepper = *Alectra alba*

Sopubia ramosa (Hochst.) Hochst.; perennial herb 45-100(-150) cm; wooded grassland; BEN, BFA, CAF, CIV, CMR, ETH, MOZ, MWI, SDN, TZA, UGA, ZMB; KEN [2-6]. Verdcourt 1699

Sopubia simplex (Hochst.) Hochst.; perennial herb <65 cm; rare swamp plant; AGO, BEN, CMR, COD, GAB, MOZ, MWI, NGA, TZA, UGA, ZAF, ZMB, ZWE; KEN [3, 5, 6]. Hansen 914!

+*Striga asiatica* (L.) Kuntze; hemiparasitic annual herb <30 cm; grassland, parasite of grass or cereal crops; native range Asia (from SAU, YEM to CHN, IND, MMR, THL, VNM, MYS), AUS and Africa (AGO, BDI, BWA, CAF, COD, LSO, MOZ, MWI, NAM, RWA, SDN, SOM, SWZ, TZA, UGA, ZAF, ZMB, ZWE; MDG, MUS), introduced in North America; KEN [1-7]. Rembold photo record

+*Striga elegans* Benth.; hemiparasitic annual herb 11-36(-40) cm; among short grasses in flood plains, field weed; AGO, MWI, TZA, ZAF, ZMB, ZWE; KEN [3, 4, 5 (new), 6; new record for Kakamega Forest]. Rembold photo record

Oxalidaceae

+*Biophytum abyssinicum* A.Rich; annual herb 5-30 cm; open grassland, marsh

margins; AGO, CMR, ETH, MOZ, MWI, NGA, TZA, UGA, ZMB; KEN [1, 3-6; new record for Kakamega Forest]. Rembold photo record

Biophytum petersianum Klotzsch = *Biophytum umbraculum*

Biophytum umbraculum Welw.; annual herb (4-)10-20(-40) cm; open grassland, marsh margins, weed of cultivated ground; Asia, AUS, PNG and Africa (AGO, BDI, BEN, BFA, CAF, CIV, CMR, ETH, GAB, GHA, GNB, MWI, SEN, TGO, TZA, UGA, ZAF, ZMB; MDG); KEN [5, 7]. Gilbert & Mesfin 6658

Oxalis anthelmintica A.Rich.; stemless perennial herb; weed in grassland and riverine forest; BDI, COD, ETH, MOZ, MWI, TZA, UGA, ZMB; KEN [1-4, 5 (new), 6; new record for Kakamega Forest]. Obholzer 93-223

**Oxalis latifolia* Kunth; stemless perennial herb; weed of cultivation; native range tropical America, introduced to Africa; KEN [?]. Obholzer 93-222

Passifloraceae

+*Adenia bequaertii* Robyns & Lawalrée; woody climber <20 m; upland rainforest, riverine forest; BDI, CAF, CMR, COD, GAB, RWA, UGA; KEN [3, 5]. Mutangah

Adenia cissampeloides (Planch. ex Hook.) Harms; woody climber <25 m; rainforest (clearings and margins); BDI, BEN, BFA, CAF, CIV, CMR, COD, GAB, GIN, GNQ, LBR, NGA, SDN, SLE, TGO, UGA; KEN [5, restricted to Kakamega Forest]. Maas Gesteranus s.n.

Adenia rumicifolia Engl.; woody climber or liana <20 m (-45 m in equatorial Africa); moist evergreen (riverine) forest (margins), semi-swamp forest; AGO, BDI, CMR, CIV, COD, ETH, GIN, GB, MOZ, MWI, RWA, SDN, SEN, SLE, TZA, UGA, ZMB, ZWE; KEN [4, 5, 7]. Faden 69/2051

Adenia schweinfurthii Engl.; woody climber <20 m; primary and secondary forest, riverine forest, semi-swamp forest; CAF, CMR, COD, ETH, SDN, TZA, UGA; KEN [5, restricted to Kaimosi Forest]. Gillett 16701

**Passiflora caerulea* L.; perennial climbing herb; native range America, introduced pantropical as ornamentals; KEN [?, 5]. Althof s.n.

**Passiflora edulis* Sims; perennial climbing herb <15 m; abandoned plantations, forest margins; native range America (BRA), cultivated throughout tropics, introduced for edible fruits; KEN [4, 5]. Bridson 31

**Passiflora subpeltata* Ortega; perennial climbing herb <5 m; native range tropical America, introduced as ornamentals; KEN [4, 5]. Althof s.n.

Pedaliaceae

Sesamum angolense Welw.; shrubby perennial herb 0.8-3 m; upland wooded grassland roadsides; AGO, BDI, COD, MOZ, MWI, TZA, UGA, ZMB, ZWE; KEN [5, restricted to Kakamega Forest]. Jex-Blake in CM 6936

Phyllanthaceae

**Bischofia javanica* Blume; tree 12-18 m; timber plantation; native range Asia (from IND to CHN, MMR, IND, THL, PHL, MYS, PNG), AUS, Micronesia, Polynesia; KEN [5, 7]. Althof 2003/75

Bridelia micrantha (Hochst.) Baill. 162 (1863); *Shikanganya/Kumulonda-Ng'ombe* (Luhya), *Athuno* (Luo); shrub or tree 2-18(-20) m; swamp forest, riverine forest (margins), wooded grassland; AGO, BDI, BFA, BEN, CAF, CIV, CMR, COD, ETH, GAB, GHA, GIN, GMB, GNB, GNQ, LBR, MLI, MOZ, MWI, NGA, RWA,

- SDN, SLE, SEN, SWZ, TGO, TZA, UGA, ZAF, ZMB, ZWE; REU; KEN [1-7]. Gillett 16710
- Flueggea virosa* (Roxb. ex Willd.) Voigt; *Kisasari* (Luhya), *Kagera* (Luo); shrub or tree 1-4(-7.5) m; riparian, rocky woody grassland; tropical Arabia, Asia and Africa (BEN, BFA, BWA, CIV, CMR, COD, ETH, GHA, MLI, MWI, NAM, NGA, SEN, SOM, SWZ, TZA, UGA, ZAF, ZMB; MDG); KEN [1-7]. Tweedie 3954
- Margaritaria discoidea* (Baill.) G.L.Webster var. *fagioli* (Pax) A.R.Smith; tree (rarely shrub) 4-24(-30) m; forest (margins or remnants); AGO, BFA, BEN, BWA, CAF, CIV, CMR, COD, ETH, GAB, GHA, GIN, LBR, MWI, MOZ, NGA, SEN, TGO, TZA, UGA, ZAF, ZMB, ZWE; KEN [1, 3-7]. Hansen 909
- Phyllanthus discoideus* (Baill.) Müll.Arg. = *Margaritaria discoidea*
- Phyllanthus fischeri* Pax; shrub 0.5-3 m; forest margins and clearings, riverine woodland; ETH, SDN, TZA, UGA; KEN [1-6]. Mwangangi & Gliniars 44
- Phyllanthus guineensis* Pax = *Phyllanthus ovalifolius*
- Phyllanthus inflatus* Hutch.; shrub or tree 2.9 m; riverine or swamp forest; GHA, MOZ, MWI, SDN, TZA, UGA, ZMB, ZWE; KEN [4, 5]. Hansen 899
- Phyllanthus muellerianus* (Kuntze) Exell; shrub or tree 2.5-5(-12) m; riverine forest, wooded grassland; AGO, BDI, BEN, CAF, CIV, CMR, COD, GAB, GHA, GIN, GNB, GNQ, LBR, MLI, MOZ, MWI, NGA, SDN, SLE, TGO, TZA, UGA, ZMB; KEN [5]. Bridson 87
- Phyllanthus nummulariifolius* Poir.; perennial herb or shrub <2(-3) m; wooded grassland; AGO, BDI, CMR, COD, GIN, MOZ, MWI, SDN, SLE, TZA, UGA, ZAF, ZMB, ZWE; MDG, SYC; KEN [2-6]. Paulo 524
- +*Phyllanthus odontadenius* Müll.Arg.; woody perennial herb <1 m; wooded grassland, dry rocky soils, roadsides; AGO, CAF, CIV, CMR, GAB, GNB, NGA, RWA, SDN, TZA, UGA; KEN [3-7]. Mutangah
- Phyllanthus ovalifolius* Forssk.; shrub 2-5(-10) m; woodland, thickets, (riverine) forest margins, termite mounds; tropical Arabia and Africa (AGO, CMR, ETH, MOZ, MWI, NGA, TZA, UGA, ZMB, ZWE); KEN [1, 3-7]. Paulo 548
- Phyllanthus pseudoniruri* Müll.Arg.; annual or short-lived perennial herb 30-60 cm; widespread on dry sandy bushland, moist dambos and grassland beside rivers, weed; BWA, CMR, MWI, SOM, TZA, UGA, ZMB, ZWE; KEN [3-6]. Obholzer & Fischer s.n.
- Securinega virosa* (Roxb. ex Willd.) Baill. = *Flueggea virosa*

Phytolaccaceae

- Hillieria latifolia* (Lam.) H.Walter; shrubby perennial herb 0.4-2 m; rainforest, riverine and groundwater forest; South America and Africa (AGO, BEN, CIV, CMR, COD, ETH, GAB, GHA, GNQ, LBR, NGA, TZA, UGA; MDG, MUS, REU; KEN [4-6]. Jack in Napier 145
- Phytolacca dodecandra* L'Hér.; scrambling shrub or climber <1-5(-18) m; forest margins, riverine woodland, thickets; AGO, BDI, CIV, CMR, COD, ETH, GAB, GHA, GIN, MOZ, MWI, NGA, RWA, SLE, TZA, UGA, ZAF, ZMB, ZWE; MDG; KEN [1-7]. Carroll C5
- **Phytolacca octandra* L.; woody perennial herb 1-2 m; waste places; native range tropical America (MEX to COL); KEN [3-6]. Paulo 551

Piperaceae

- Peperomia abyssinica* Miq.; succulent perennial herb 12-40 cm, terrestrial or epiphytic; wet upland forest; tropical Arabia and Africa (CMR, COD, ERI, ETH, GAB, MOZ, MWI, SDN, SLE, TZA, UGA); KEN [1-7]. Faden & Faden 77/903
- Peperomia blanda* (Jacq.) Kunth (1816); succulent perennial herb 10-50(-60) cm, terrestrial (rarely epiphytic); on rocky ground; pantropical; KEN [4-7]. Gilbert & Mesfin 6670
- Peperomia fernandopoiana* C.DC. var. *butaguensis* (De Wild.) Düll; creeping succulent perennial herb 10-30 cm; wet highland forests; BDI, COD, RWA, UGA; KEN [5, 6]. Gilbert 6893
- Peperomia mollerii* C.DC. ssp. *mollerii*; creeping succulent perennial herb 10-30 cm; wet highland forests; AGO, BDI, CAF, CIV, CMR, COD, ETH, GAB, GHA, GNQ, LBR, TGO, TZA, UGA; MDG; KEN [4-6, 7]. Maas Geesteranus 6284
- Peperomia retusa* (L.f.) A.Dietr.; creeping subsucculent perennial herb (4-)10-30 cm, terrestrial or epiphytic; forest; CMR, COD, ETH, GNQ, LBR, MOZ, MWI, RWA, SLE, TZA, UGA, ZAF, ZMB, ZWE; MDG; KEN [3-5, 7]. Gilbert 6865
- Peperomia rotundifolia* (L.) Kunth; creeping perennial herb 10-40 cm, mostly epiphytic; on tree branches amongst moss; pantropical; KEN [4-7]. Hansen 920
- Peperomia tetraphylla* (G.Forst.) Hook. & Arn.; creeping perennial herb 5-27 cm, epiphytic rarely terrestrial; wet upland forest, forming mats on horizontal branches; rarely on rock or ground; pantropical, widespread in Africa; KEN [1-6]. Faden & Faden 77/878
- Piper capense* L.f.; shrub or liana 1-5 m; wet highland forests; BDI, CMR, COD, ETH, GAB, GHA, GIN, MOZ, MWI, RWA, SDN, SLE, SWZ, TZA, UGA, ZAF, ZWE; COM, MDG; KEN [1-7]. Kokwaro 4288
- Piper guineense* Schumacher & Thonn.; liana or scandent shrub 4-20(-23) m; riverine or swamp forest; AGO, BEN, CAF, CIV, CMR, COD, ETH, GAB, GHA, GIN, GNB, GNQ, LBR, MLI, NGA, SDN, SLE, TZA, UGA, ZMB; MDG; KEN [5, restricted to Kakamega Forest]. Verdcourt 1662
- Piper umbellatum* L.; shrub or woody perennial herb 0.9-4 m; shady places in moist forests; pantropical; KEN [1, 3-5]. Perdue & Kibuwa 9477

Pittosporaceae

- Pittosporum mannii* Hook.f. ssp. *ripicola* (J.Leon.) Cufod.; *Achak* (Luo); shrub or tree 1.5-6(-12) m; rainforest (riverine, lakeside, margins), swamp-edge forest, bamboo thicket, wooded grassland; CAF, CIV, CMR, COD, ETH, GIN, GNQ, NER, NGA, SDN, TZA, UGA, ZMB; KEN [3, 5]. Dale in FD 3081
- Pittosporum viridiflorum* Sims ssp. *viridiflorum*; tree or shrub 3-15 m; evergreen (riverine) forest, wooded grassland; tropical Arabia (YEM) and Africa (AGO, CMR, ETH, LSO, MOZ, MWI, SDN, SOM, SWZ, TZA, UGA, ZAF, ZWE; MDG); KEN [1-7]. Malombe et al 1335

Plantaginaceae

- Dopatrium baoulense* A.Chev.; annual herb <25 cm; wet places; CIV, CMR, NGA; KEN [5 (new); new record for Kenya]. Fischer s.n.
- Plantago palmata* Hook.f.; perennial sessile herb, petioles 5-31 cm, leaves 5-12 cm long; along streams and pathsides in montane rainforest; BDI, CMR, COD, GNQ, ETH, MWI, RWA, SDN, TZA, UGA, ZWE; KEN [2-6?]. Althof s.n.

Veronica abyssinica Fresen.; creeping annual herb; damp grassland, forest margins and clearings, roadsides; BDI, CMR, COD, ETH, GNQ, MOZ, MWI, NGA, RWA, SDN, SOM, TZA, UGA, ZMB, ZWE; KEN [3-6?]. Fischer, Malombe *et al.* s.n., Fischer photo record

Poaceae

Alloteropsis semialata (R.Br.) Hitchc.; tufted perennial herb 0.2-1.5 m; shallow wetlands and open places in savanna woodland; Asia (CHN to IND, IDN, LKA, MMR, THL, PHL), AUS and Africa (BEN, CMR, COD, ETH, GHA, GIN, LSO, MOZ, MWI, NGA, SEN, SLE, SWZ, TZA, UGA, ZAF, ZMB, ZWE); KEN [3, 5]. Hansen 915

Andropogon canaliculatus Schumacher; tufted perennial herb <2 m; swampy soils, bogs and woodland; BEN, BFA, CIV, CMR, GAB, GHA, GIN, MLI, MOZ, MWI, NGA, RWA, TGO, TZA, UGA, ZMB, ZWE; KEN [3-7]. Obholzer 3-12

+*Brachiaria brizantha* (Hochst. ex A.Rich.) Stapf; tufted perennial herb 0.3-2 m; wooded grassland; native range Africa (BWA, CMR, CIV, COD, ETH, GHA, GIN, MOZ, MWI, NAM, NGA, SEN, SLE, SWZ, TZA, UGA, ZAF, ZMB, ZWE), introduced elsewhere in the tropics; KEN [2-7]. Kokwaro

+*Brachiaria decumbens* Stapf; tufted stoloniferous perennial herb 0.5-1.5 m; forest margins; native range tropical Arabia and Africa (COD, BDI, ETH, RWA, SEN, TZA, UGA, ZAF), introduced elsewhere in the tropics; KEN [3, 5]. Kokwaro

Brachiaria jubata (Fig. & De Not.) Stapf = *Urochloa jubata*

Brachiaria scalaris Pilg.; annual herb 10-60 cm; roadsides, weedy places; tropical Arabia (SAU) and Africa (BDI, COD, ETH, MWI, TZA, UGA, ZWE; MDG); KEN [3, 5 (new), 6; new record for Kakamega Forest]. Obholzer 61-148

**Brachiaria umbellata* (Trin.) Clayton; sward-forming perennial herb <10 cm; native range Indian Ocean Islands (MDG, MUS), introduced to southern Africa (TZA, ZAF, ZWE); KEN [?]. Obholzer 42-93

+*Brachiaria umbratilis* Napper; rhizomatous perennial herb 0.3-1 m; forest margins; RWA, TZA, UGA; KEN [3-6]. Kokwaro

Chloachne oplismenoides (Hack.) Robyns = *Poecilostachys oplismenoides*

Coelorachis afraurita (Stapf) Stapf; perennial herb <4 m; marshes, bogs, edges of rivers and ponds; CMR, ETH, GAB, MLI, ZMB; KEN [?]. Obholzer 58-118

Cynodon dactylon (L.) Pers.; stoloniferous sward-forming perennial herb 8-40 cm; grassland, aggressive colonizer of disturbed ground; tropical and warm temperate regions throughout the world, origin probably Old World; KEN [1, 3-7]. Davidson 119

Digitaria abyssinica (Hochst. ex A. Rich.) Stapf; perennial herb 5-60 cm; forest edges; Asia (LKA) and Africa (BDI, BWA, CMR, COD, ETH, GAB, LSO, MOZ, MWI, NGA, RWA, SOM, SWZ, TZA, UGA, ZAF, ZMB, ZWE; MDG); Introduced to America?; KEN [1-7]. Obholzer 7-21

Digitaria maitlandii (Stapf) C.E.Hubb.; tufted perennial herb 25-100 cm; montane grassland; BDI, COD, ETH, MOZ, MWI, RWA, SWZ, TZA, UGA, ZAF, ZMB, ZWE; KEN [3-6]. Obholzer s.n.

Digitaria thouarsiana (Flüggé) A.Camus; tufted annual herb 20-100 cm; RWA, TZA, UGA, ZAF, ZWE; COM, MDG, MYT; KEN [3-5]. Obholzer 18-46

+*Digitaria velutina* (Forssk.) P.Beauv.; creeping annual herb 20-80 cm; weed of disturbed land; Arabia (YEM) and Africa (BDI, BEN, BWA, CIV, EGY, ETH,

- GNQ, MOZ, MWI, NAM, NGA, SDN, SWZ, TZA, UGA, ZAF, ZMB, ZWE; KEN [1-7]. Kokwaro
- Eragrostis exasperata* Peter; tufted annual herb 15-70 cm; dambo grassland, moist or swampy ground; BDI, COD, MWI, TZA, UGA, ZMB; KEN [2-7]. Obholzer 1-7
- Hyparrhenia bracteata* (Humb. & Bonpl. ex Willd.) Stapf; tufted perennial herb 0.6-2.5 m; marshy wooded grasslands; tropical America and Africa (CAF, CIV, CMR, MLI, NGA, TZA, UGA, ZMB); KEN [3, 5]. Obholzer 4-15
- Hyparrhenia cymbaria* (L.) Stapf; tufted perennial herb 2-4 m; wooded grassland, forest margins, stream banks; AGO, CMR, ERI, ETH, MOZ, MWI, NGA, TZA, UGA, ZAF, ZMB, ZWE; COM, MDG, MYT; KEN [2-6]. Obholzer 52-270
- Hyparrhenia diplandra* (Hack.) Stapf; perennial herb 2-3 m; wooded grassland, stony hillsides, cultivated areas; Southeast Asia (IDN, THL, VNM) and Africa (AGO, BFA, CAF, CMR, COD, GAB, MLI, MOZ, SDN, SEN, TGO, TZA, UGA, ZMB); KEN [3-5]. Obholzer 8-24
- Hyparrhenia filipendula* (Hochst.) Stapf; perennial herb 60-200 cm; grassland; tropical Asia (IDN, LKA, PHL, PNG), AUS and Africa (BDI, BFA, BWA, CAF, CMR, COD, ETH, GAB, MOZ, MWI, RWA, TZA, UGA, ZMB, ZWE; MDG); KEN [1-5, 7]. Obholzer 10-28
- Hyparrhenia pilgeriana* C.E. Hubb.; tufted perennial herb 30-60 cm; upland seasonal swap, forest margins, wooded grassland; ETH, MWI, TZA, UGA, ZAF, ZMB, ZWE; KEN [2-6]. Obholzer s.n.
- Hyparrhenia rufa* (Nees) Stapf; tufted annual or perennial herb 30-250 cm; introduced to tropical America and AUS, native range Africa (BDI, CAF, CIV, CMR, COD, COG, ETH, GHA, GIN, GMB, MLI, MRT, MWI, NGA, SWZ, TGO, TZA, UGA, ZMB; COM, MDG, SYC); KEN [2-7]. Obholzer s.n.
- Isachne mauritiana* Kunth; rambling perennial herb 30-60 cm; forest shade; CMR, COD, GHA, GNQ, MOZ, MWI, NGA, TZA, UGA, ZMB, ZWE; COM, MDG, MUS; KEN [3-5, 7]. Greenway 7878
- Leersia hexandra* Sw.; perennial herb 30-100 cm; moist habitats; pantropical; KEN [3-7]. Obholzer 9-26
- Leptaspis cochleata* Thwaites; perennial herb 30-100 cm; CAF, CIV, CMR, GAB, GHA, GNQ, LBR, UGA; MDG; KEN [7, 5]. Faden & Rathbun 69/2109
- Loudetia kagerensis* (K.Schum.) C.E.Hubb. ex Hutch.; tufted perennial herb 25-90 cm; depauperate soils; CMR, GHA, RWA, TZA, UGA; KEN [3-6]. Verdcourt 1631
- Loudetia simplex* (Nees) C.E.Hubb.; tufted perennial herb 30-150 cm; dry woodland, bush; AGO, BFA, BDI, BEN, CAF, CIV, CMR, COD, COG, ETH, GAB, GHA, LBR, MLI, MOZ, MWI, NGA, RWA, SEN, SWZ, TGO, TZA, UGA, ZAF, ZMB, ZWE; MDG; KEN [2, 3, 5, 6]. Perdue & Kibuwa 9486
- Melinis minutiflora* P.Beauv.; perennial herb <1 m, upland grassland and forests; native range Africa (BDI, CMR, GNQ, MOZ, MWI, RWA, TZA, UGA, ZAF, ZMB, ZWE; COM, MDG), introduced pantropical as a fodder plant; KEN [2-5, 7]. Obholzer 41-91
- Olyra latifolia* L.; bamboo-like perennial herb <4 m; forest margins and clearings; tropical America and Africa (AGO, BDI, BEN, CAF, CIV, CMR, COD, ETH, GAB, GHA, GIN, GNQ, MOZ, MWI, NGA, SEN, SLE, TZA, UGA, ZAF, ZWE; COM, MDG); KEN [4, 5, 7]. Mutangah *et al.* K34

- Oplismenus hirtellus* (L.) P.Beauv. 1812; perennial herb 15-100 cm; forest shade; pantropical; KEN [1-7]. Bjornstad 373
- Oreobambos buchwaldii* K.Schum.; tufted perennial bamboo herb 4.5-18 m; riverine thicket; BDI, MWI, TZA, UGA, ZMB; KEN [5]. Althof 27. III/2002
- +*Panicum calvum* Stapf; perennial herb 20-150 cm; forest; BDI, CMR, ETH, GNQ, TZA, UGA; KEN [3-5]. Kokwaro
- Panicum chionachne* Mez; annual or short-lived perennial herb 35-100 cm; montane grassland, damp places; MWI, TZA, UGA, ZMB; KEN [3, 5 (new?)]. Obholzer 2-8
- Panicum mapalense* Pilg.; perennial herb 45-150 cm; forest shade; TZA, UGA; KEN [5, restricted to Kakamega Forest]. Bogdan 3891
- Panicum robynsii* A.Camus; annual herb 25-100 cm; forest shade; AGO, COD, TZA, UGA; KEN [5, 6]. Faden 77/852
- Panicum trichocladum* Hack. ex K.Schum.; perennial herb 0.2-2.5 m; forest shade; COD, ETH, MOZ, SDN, TZA, UGA; COM; KEN [4-7]. Lucas 119
- Paspalum conjugatum* P.J.Bergius; perennial herb 30-60 cm; probably pantropical; KEN [5 (new); new record for Kenya]. Althof III/2002
- Paspalum scrobiculatum* L.; perennial herb 90-200 cm; damp soils; Old World tropics; KEN [5, 7] Obholzer 7-23
- Paspalum thouarsianum* Flügge = *Digitaria thouarsiana*
- Poecilostachys oplismenoides* (Hack.) Clayton; trailing perennial herb 0.3-1 m; shady places in evergreen forest; ETH, MOZ, MWI, NGA, TZA, ZMB, ZWE; KEN [4, 5]. Faden 70/17
- Pseudechinolaena polystachya* (Kunth) Stapf; trailing annual herb 10-30 cm; forest shade; pantropical; KEN [3-6]. Magogo 1537
- Sacciolepis indica* (L.) Chase; annual herb 10-100 cm; streamsides and marshy places; Old World tropics; KEN [3, 5 (new?)]. Obholzer 65-141
- Setaria chevalieri* Stapf & C.E.Hubb. = *Setaria megaphylla*
- Setaria longiseta* P.Beauv.; tufted perennial herb 0.5-1.5 m; woodland, thicket, riverine, shady places, often on termite mounds; AGO, BEN, CIV, CMR, GHA, GNQ, MOZ, MWI, NGA, SDN, SEN, SLE, TZA, UGA, ZMB, ZWE; KEN [3, 5, 6]. Graham 196
- Setaria megaphylla* (Steud.) T.Durand & Schinz; tufted perennial herb 0.5-3 m; woodland shade, forest glades, streamsides; tropical America, Asia and Africa; KEN [4-7]. Althof s.n.
- Setaria sphacelata* (Schumach.) Stapf & C.E.Hubb. ex M.B.Moss var. *aurea* (Hochst. ex A. Braun) Clayton; tufted perennial herb 20-300 cm; tropical Arabia (YEM) and Africa (CIV, TZA, UGA, ZMB); KEN [1, 3-7]. Obholzer 4-14
- Sorghastrum stipoides* (Kuth) Nash; tufted perennial herb 90-200 cm; flooded areas; South America and Africa (MOZ, MWI, NGA, SEN, TZA, UGA, ZMB); KEN [3-7]. Obholzer 4-16
- Sporobolus indicus* (L.) R.Br. var. *pyramidalis* (P.Beauv.) Veldkamp 1991; tufted perennial herb 0.9-1.6 m; tall disturbed grassland; MEX, Central and South America, Caribbean, tropical Asia and Africa, AUS; KEN [1-7]. Graham 190
- Sporobolus pyramidalis* P.Beauv. = *Sporobolus indicus* var. *pyramidalis*
- Urochloa jubata* (Fig. & De Not.) Sosef; tufted perennial herb 25-130 cm; watersides, damp depressions; BEN, BFA, CAF, CIV, CMR, ETH, GAB, GHA, GIN, GNQ, MLI, NGA, SDN, SEN, TZA, UGA; KEN [2-6]. Obholzer 4-18

Podostemonaceae

Tristicha trifaria (Wedd.) Warm.; thalloid aquatic perennial herb, stems <30 cm; in streams attached to rocks at water level; tropical America, AUS and Africa (AGO, BFA, BWA, CAF, CIV, CMR, COD, EGY, ETH, GAB, GHA, GIN, GNQ, MLI, MOZ, MWI, NAM, NER, NGA, RWA, SDN, SLE, TGO, TZA, UGA, ZAF, ZMB, ZWE; MDG, MUS); KEN [3-6]. Fischer s.n.

Polygalaceae

+*Carpolobia goetzei* Gürke; shrub or tree 1-4.5 m; forest, bushland; COD, MOZ, SDN, TZA, ZMB; MDG; KEN [5, 7]. Rembold photo record

Polygala erioptera DC.; annual herb or rarely perennial shrublet 5-50 cm; grassland, muddy roadsides; Arabia and Asia (IND, OMN, QAT, SAU, YEM), Africa (AGO, BDI, BFA, EGY, ERI, ETH, MLI, MWI, MOZ, NGA, SDN, SEN, SOM, TZA, UGA, ZMB, ZWE); KEN [1-7]. Obholzer 63-139

Polygala petitiata A.Rich. ssp. *petitiata*; annual herb <90 cm; grassland, often on shallow soils; BDI, CIV, CMR, COD, ETH, MWI, NGA, SDN, TZA, UGA, ZMB, ZWE; KEN [1-7]. Drummond & Hemsley 4769

Polygala sphenoptera Fresen.; annual or perennial woody herb 15-60 (-100) cm; dry bushland, upland grassland, along paths and clearings in forest; BWA, COD, ERI, ETH, MOZ, MWI, SDN, SOM, TZA, UGA, ZAF, ZMB, ZWE; KEN [1-7]. Obholzer 44-95

Securidaca welwitschii Oliv.; scandent shrub or liana <10(-26) m; riverine forest (margins); AGO, BDI, BEN, CIV, CMR, COD, GAB, GIN, GNQ, LBR, SDN, SLE, UGA, ZMB; KEN [3, 5]. Drummond & Hemsley 4766

Polygonaceae

Polygonum setosulum A.Rich.; perennial herb <1 m; damp places, sometimes growing in water; BDI, BEN, ETH, TZA, UGA; KEN [3-5]. Dale 3275

Proteaceae

Faurea rochetiana (A.Rich.) Chiov. ex Pic.Serm. ssp. *speciosa* (Welw.) Troupin; tree 3.5-10 m; grassland, bushland; AGO, BEN, BWA, CMR, ETH, LSO, MWI, MOZ, NGA, RWA, SWZ, TZA, ZAF; KEN [2-6]. Davidse 2174

Faurea speciosa Welw. = *Faurea rochetiana* ssp. *speciosa*

+**Grevillea robusta* A.Cunn. ex R.Br. 1830; tree <12 m; cultivated; native range Australia, introduced pantropical; KEN [?]. Rembold photo record

+*Protea gagedi* J.F.Gmel.; shrub or tree 1.5-4.5 (-6) m; woody grassland, bushland; AGO, BWA, ERI, ETH, MOZ, MWI, TZA, ZAF, ZWE; KEN [K1-6]. Obholzer & Fischer photo record

Protea madiensis Oliv. ssp. *madiensis*; *Kumulelalele* (Luhya); shrub or tree 1.5-4.5 m; hillslopes in wooded grassland; AGO, BDI, BEN, CAF, CMR, ETH, GHA, MOZ, NGA, RWA, TZA, UGA; KEN [5, restricted to Kakamega Forest]. Mwachala & Dumbo 257

Putranjavaceae

Drypetes gerrardii Hutch. var. *grandifolia* Radcl.-Sm.; *Manamakulu/Sinamagulu* (Luhya); shrub or tree 3-15(-30) m, bole slightly fluted to strongly buttressed; upland forest, riverine forest; AGO, MWI, TZA, UGA; KEN [1, 3-7]. Machin 3272

Ranunculaceae

Clematis brachiata Thunb.; *Lunyili* (Luhya), *Achugo* (Luo); woody climber <4 m; forest margins, wooded grassland; tropical Arabia and Africa (AGO, BWA, ETH, LSO, MOZ, MWI, NAM, SEN, SOM, SWZ, ZAF, ZWE, ZMB; MDG); KEN [1-6]. Paulo 541

Clematis simensis Fresen.; liana 5-20 m; forest margins, roadsides; tropical Arabia (SAU, YEM) and Africa (AGO, BDI, CMR, COD, GNQ, ERI, ETH, MOZ, MWI, NGA, RWA, SDN, SLE, SOM, TZA, UGA, ZMB, ZWE; MDG); KEN [1-6]. Althof s.n.

Ranunculus multifidus Forssk.; perennial herb <1 m; wet ground along streams, ditches, moist slopes in bush- and grassland or forest margins; Arabia (SAU, YEM) and Africa (AGO, BDI, BWA, CAF, CMR, ETH, LSO, MOZ, MWI, NAM, NGA, RWA, SOM, SWZ, TZA, UGA, ZAF, ZAF, ZMB, ZWE; MDG); KEN [3-6]. Mwachala & Fischer 306

Thalictrum rhynchocarpum Quart.-Dill. & A.Rich.; perennial herb 1-4 m; glades and understorey of upland rainforest, along pathsides, forest margins; CMR, COD, ETH, GNQ, MOZ, MWI, RWA, TZA, UGA, ZAF, ZWE; KEN [3-5]. Carroll H41

Rhamnaceae

Gouania longispicata Engl.; liana or sprawling shrub 1-12 m; riverine forest, upland forest (margins, clearings); BDI, BEN, CMR, COD, ETH, MOZ, MWI, NGA, SDN, TZA, UGA, ZWE; KEN [3-5, 7]. Althof s.n.

Maesopsis eminii Engl. ssp. *eminii*; Mutere (Luhya); tree (5-)15-25(-42) m; rainforest, riverine forest; AGO, CMR, COD, SDN, TZA, UGA, ZMB; KEN [5, restricted to Kakamega Forest]. Althof 2002/230

Rhamnus prinoides L'Hér.; shrub or tree 1.2-9(-12) m; forest (margins), secondary bushland, bamboo zone; tropical Arabia and Africa (AGO, CMR, COD, ETH, LSO, MOZ, MWI, RWA, SDN, SWZ, TZA, UGA, ZAF, ZMB, ZWE); KEN [1, 3-6]. Paulo 553

Rhamnus cf. *staddo* A.Rich.; shrub or small tree 0.5-7 m; termite mounds, granite hills; tropical Arabia (YEM) and Africa (COD, ERI, ETH, RWA, SOM, TZA, UGA, ZWE); KEN [1, 3-6]. Rembold s.n.

Scutia myrtina (Burm.f.) Kurz; *Migodha/Osiri* (Luo); shrub or small tree 2-5(-10) m; Asia (IDN, IND, LKA, MMR, THA, VNM) and Africa (BDI, COD, ETH, MWI, MOZ, SDN, SWZ, TZA, UGA, ZAF, ZMB; MDG, SYC); KEN [1-7]. Althof 2003/76

Ventilago diffusa (G.Don) Exell; liana <35 m; rainforest, riverine forest; CMR, COD, MWI, NGA, TZA, UGA; KEN [5, restricted to Kakamega Forest]. Drummond & Hemsley

Rhizophoraceae

+*Cassipourea malosana* (Baker) Alston; tree (6-)12-45 m; drier forest, understorey in moister forest, forest remnants; COD, ERI, ETH, MWI, SOM, TZA, UGA, ZMB; KEN [1-6]. Kifcon

Cassipourea ruwensorensis (Engl.) Alston; *Mukoloho* (Luhya); tree or shrub 3-12 m; upland evergreen forest, semi-swamp forest, elephant-grassland; CAF, COD, ETH, GAB, TZA, UGA; KEN [5, Kakamega and Nandi Forests]. Dale 3131; Gillett 1684

Rosaceae

Alchemilla spec.; perennial herb. Althof s.n.

Prunus africana (Hook.f.) Kalkman; *Mwiritsa/Twendet* (Luhya); evergreen tree 6-25(-36) m; upland rainforest (margins or remnants), riverine forest, termite mounds; AGO, CIV, CMR, COD, ETH, GHA, GNQ, LSO, MOZ, MWI, SOM, SWZ, TZA, UGA, ZAF, ZMB, ZWE; COM, MDG; KEN [1, 3-7]; CITES App. II; VU. Machili 792

Pygeum africanum Hook.f. = *Prunus africana*

Rubus apetalus Poir.; scrambling shrub 1-3 m; forest margins, secondary bush or grassland, riverine forest; tropical Arabia and Africa (BDI, BWA, CMR, COD, ETH, GAB, MOZ, MWI, NGA, RWA, SWZ, TZA, UGA, ZAF, ZMB, ZWE; MDG, MUS, REU); KEN [3-5]. Malombe, Theisen & Rembold s.n.

+*Rubus keniensis* Standl.; scrambling shrub 1-2.5 m; forest margins, riverine or secondary forest; TZA; KEN [3, 4, 5 (new); new record for Kakamega Forest]. Obholzer photo record

**Rubus niveus* Thunb.; scrambling shrub 1.5-3 m; along rivers, forest margins, secondary bushland, roadsides; native range Asia (from AFG, CHN to IDN, IND, MYS, PHL), widely cultivated, introduced in tropical Africa and America; KEN [3-5, 7]. Paulo 520

Rubus rigidus Smith; scrambling shrub 1-3 m; upland rainforest (margins and clearings), grassland, roadsides; BDI, BWA, CMR, COD, ETH, LSO, MOZ, MWI, TZA, UGA, ZAF, ZMB, ZWE; KEN [4, 5]. Carroll C6

+**Rubus rosifolius* Sm.; scrambling shrub <2.5 m; native range eastern Asia, introduced and naturalized in Africa; KEN [4, 5 (new); new record for Kakamega Forest]. Obholzer photo record

+*Rubus steudneri* Schweinf.; scrambling shrub 1-4 m; forest margins (clearings), bamboo margins; BDI, COD, ETH, TZA, UGA; KEN [3-6]. Mutangah

Rubiaceae

Agathisanthemum globosum (Hochst. ex A.Rich.) Bremek.; perennial herb (11-)25-60(-90) cm; (wooded) grassland, often on rocky or stony ground; AGO, BDI, COD, ETH, GAB, MOZ, MWI, RWA, TZA, UGA, ZMB, ZWE; KEN [2, 3, 5]. Maas Geesteranus 6275

Aulacocalyx diervilleoides (K.Schum.) E.M.A.Petit = *Heinsenia diervilleoides*

Canthium gueinzii Sond. = *Keetia gueinzii*

Canthium schimperianum A.Rich. = *Psydrax schimperiana*

Chassalia cristata (Hiern) Bremek.; *Munamuveka* (Luhya); scandent shrub or woody twiner 2-6 m; rainforest, sometimes wooded grassland; AGO, BDI, BEN, CAF, CIV, CMR, COD, GAB, GHA, NGA, SDN, TZA, UGA; KEN [5, restricted to Kakamega Forest and Kisii]. Mabberly & Tweedie 1098

Coffea eugenoides S.Moore; *Shimwani/Shungung'ng'ung'ani* (Luhya); shrub or tree 1-4.5(-12?) m; forest; AGO, BDI, COD, SDN, RWA, TZA, UGA; KEN [3-6]. Kamau *et al.* 290

Coptosperma graveolens (S.Moore) Degreaf var. *graveolens*; *Mboto* (Luo); shrub or tree 2-9 m; bushland, drier forest (margins), (riverine) thickets, shrubby grassland; tropical Arabia and Africa (BDI, COD, ETH, RWA, SOM, TZA, UGA); KEN [1-7]. Althof s.n.

- Craterispermum schweinfurthii* Hiern 1877; *Murengeritsa* (Luhya); shrub or tree 1.5-15 m; riverine or lake-shore forest, relict mist-forest, sometimes on termite mounds; AGO, BDI, CAF, CMR, COD, ETH, GAB, MOZ, MWI, NGA, SDN, TZA, UGA, ZMB, ZWE; KEN [5, restricted to Kakamega Forest]. Lucas 280
- Galium scioanum* Chiov.; creeping or climbing, perennial herb <1 m; swamps and moist woodland; COD, ETH, TZA; KEN [2-5]. Althof s.n.
- Gardenia jovis-tonantis* (Welw.) Hiern = *Gardenia ternifolia* ssp. *jovis-tonantis*
 +*Gardenia ternifolia* Schumach. & Thonn. ssp. *jovis-tonantis* (Welw.) Verdc.; *Rayadhi* (Luo); shrub or tree 1-6 m; wooded grassland, riverine woodland; AGO, BDI, BWA, CIV, CMR, COD, ETH, GHA, GMB, GIN, GNB, MLI, MOZ, MWI, NAM, NGA, RWA, SDN, SEN, SLE, TZA, UGA, ZAF, ZMB, ZWE; KEN [2-7]. (Kokwaro)
- Geophila repens* (L.) I.M.Johnst; creeping perennial herb 20-30 cm; evergreen forest floor; pantropical; KEN [4, 5, 7]. Faden 69/2043
- Heinsenia diervilleoides* K.Schum. ssp. *diervilleoides*; *Mumandala* (Luhya); shrub or tree 1.8-12(-15) m, evergreen; rainforest, moist evergreen forest; COD, COG, MOZ, MWI, RWA, SDN, TZA, UGA, ZWE; KEN [1, 3-5, 7]. Dale 674
- +*Hymenodictyon floribundum* (Hochst. & Steud.) B.L.Rob.; *Kumuimbi* (Luhya); shrub or tree 1.5-12 m; on rocks in open vegetation; AGO, BDI, BEN, CIV, CMR, COD, COG, GIN, MOZ, MWI, NGA, RWA, SDN, SLE, TGO, TZA, ZWE; KEN [3, 5]. Rembold photo record
- Keetia gueinzii* (Sond.) Bridson; *Lusesbi/Lukonsongabu* (Luhya), *Rangwekuot* (Luo); climber (rarely shrub) 2-9(-15) m; moist forest (margins), secondary bushland, riverine forest; AGO, BDI, CAF, CMR, COD, ETH, GAB, GHA, MOZ, MWI, RWA, SDN, SWZ, TZA, UGA, ZAF, ZMB, ZWE; KEN [3-5, 7]. Perdue & Kibuwa 9497
- Leptactina platyphylla* (Hiern) Wernham; shrub or tree 2-7.5 m; moist forest; BDI, CAF, CMR, COD, COG, MOZ, MWI, RWA, SDN, TZA, UGA, ZMB; KEN [5, 7]. Lucas 114
- +*Meyna tetraphylla* (Schweinf. ex Hiern) Robyns; shrub or tree 2.5-6 m or liana <20 m; riverine woodland, gully thickets, rocky bushland; ETH, SDN, SOM, TZA; COM; KEN [1-4, 5 (new), 7; new record for Kakamega Forest]. Rembold photo record
- Mussaenda arcuata* Lam. ex Poir.; *Mudondo/Shihanga* (Luhya) *Adieremo* (Luo); shrub or climber 2-4.5 m; bushed or wooded grassland, forest margins; AGO, BDI, BEN, CAF, CIV, CMR, COD, ETH, GAB, GHA, GNQ, LBR, MOZ, MWI, NGA, SEN, TZA, UGA, ZMB, ZWE; MDG, MUS, REU; [3, 5]. Bally 13671
- Mussaenda erythrophylla* Schumach. & Thonn.; *Lusesh* (Luhya); climber, shrub or tree <7.5(-12) m; forest; AGO, CAF, CIV, CMR, COD, GAB, GHA, GIN, GNQ, SDN, SLE, TGO, TZA, cultivated throughout the tropics; KEN [(3), 5, restricted to Kakamega Forest]. Dale in FD 3110
- Oldenlandia corymbosa* L.; prostrate or erect annual herb 1.5-30 cm; a weed of cultivation and beside paths, occasional on shallow soils and sand in drier areas; native to tropical Africa and India, as weed pantropical; KEN [5, 7]. Obholzer 78-179
- +*Oldenlandia* cf. *goreensis* (DC.) Summerh.; decumbent or ascending, annual (or possibly short-lived perennial) herb (7-)10-40(-90) cm; swampy grassland; AGO,

- BDI, BWA, CAF, CMR, COD, ETH, GAB, GNQ, NGA, SDN, SEN, TGO, TZA, UGA; COM, MDG, SYC; KEN [3, 5 (new), 7]. Rembold photo record
- Oldenlandia herbacea* (L.) Roxb. var. *herbacea*; annual or perennial herb 7-60 cm; dry grassland, roadsides, rocky areas, on stony soil; Asia (CHN to IND LKA, THL, MYS, PHL), Arabia (YEM) and Africa (BWA, CIV, CMR, CPV, EGY, ETH, GHA, GIN, GMB, GNB, LBR, LSO, MLI, MOZ, MWI, NAM, NGA, RWA, SEN, SLE, SOM, SWZ, TZA, UGA, ZAF, ZMB, ZWE; MDG, MUS, REU); KEN [3-7]. Graham 72
- +*Oldenlandia monanthos* (Hochst. ex A.Rich.) Hiern; perennial herb (2-)7-60 cm; upland grassland, especially along pathsides and often on shallow soil; ETH, TZA, UGA; KEN [1-6]. Kokwaro
- +*Oxyanthus lepidus* S.Moore; shrub or tree 2-12 m; forest; COD, MWI, SDN, TZA, UGA; KEN [5]. Rembold photo record
- Oxyanthus speciosus* DC. ssp. *stenocarpus* (K.Schum.) Bridson; shrub or tree 2-12 m; (riverine) forest; ETH, MOZ, RWA, TZA, UGA, ZAF, ZWE; KEN [1, 3-7]. Perdue & Kibuwa 9442.
- Oxyanthus stenocarpus* K.Schum. = *Oxyanthus speciosus* ssp. *stenocarpus*
- Pauridiantha* cf. *holstii* (K.Schum.) Bremek. = *Pauridiantha* cf. *paucinervis* ssp. *holstii*
- Pauridiantha* cf. *paucinervis* (Hiern) Bremek. ssp. *holstii* (K.Schum.) Verdc.; *Ruturwo* (Luhya); shrub or tree 2-5(-9) m; moist forest; MOZ, MWI, TZA, ZMB; KEN [3-5, 7]. Obholzer 73-164
- Pavetta oliveriana* Hiern var. *oliveriana*; shrub 1-3 m; forest, grassland, rocky bushland, riverine; BDI, COD, ETH, RWA, SDN, TZA, UGA; KEN [2, 3, 5, 6]. Paulo 510
- Pavetta ternifolia* (Oliv.) Hiern; *Amuutu/Shitondo/Shitoto* (Luhya), *Adero-moroko* (Luo); shrub or tree 1.2-4.5(-7) m; forest, riverine forest, forest remnants; BDI, CAF, COD, RWA, TZA, UGA; KEN [3, 5]. Lucas 141
- Pavetta yalaensis* Bremek. = *Pavetta ternifolia*
- Pentanisia schweinfurthii* Hiern; pyrophytic perennial herb 3-24 cm; burnt wooded grassland; BDI, ETH, MWI, SOM, TZA, UGA, ZMB, ZWE; KEN [2-3, 5]. Carroll H2
- Pentas arvensis* Hiern; pyrophytic perennial herb (15-)30-50 cm; burnt grassland; CAF, CMR, NGA, SDN, UGA; KEN [5]. Carroll H8
- Pentas decora* S.Moore var. *decora*; perennial herb 0.3-1.5 m; shrubby and wooded grassland; AGO, BDI, CMR, COD, MWI, NGA, SDN, TZA, UGA, ZMB; KEN [2, 3, 5]. Geesteranus 6273
- Pentas lanceolata* (Forssk.) Deflers. var. *leucaster* (K.Krause) Verdc.; herb or subshrub 0.5-1.3 m; (wooded) grassland, bushland, forest margins; COD, ETH, RWA, SDN, TZA, UGA; KEN [1-3, 5, 6?]. Verdcourt 1640
- Pentas longiflora* Oliv.; herb or subshrub <2 m; dry wooded grassland, thicket, forest margins; BDI, COD, ETH, MWI, RWA, TZA, UGA; KEN [2-7]. Paulo 518
- Psychotria bagshawei* E.M.A.Petit; shrub 1-3(-5) m; evergreen rainforest, riverine forest; COD, TZA, UGA; KEN [3, 5, restricted to Kakamega Forest and Yala River (Nandi District)]. Dale in FD 3282
- Psychotria mahonii* C.H.Wright; shrub or tree 2.5-15(-24) m; moist forest, riverine or swamp forest; BDI, CMR, COD, GAB, MWI, RWA, SDN, TZA, UGA, ZMB, ZWE; KEN [3-5]. Gilbert 7032
- Psychotria orophila* E.M.A.Petit; shrub or tree 1.5-6(-10) m; moist evergreen forest; ETH, SDN, TZA, UGA; KEN [1, 3-6]. Kamau *et al.* 262

- Psychotria peduncularis* (Salisb.) Steyerl. var. *ciliato-stipulata* Verd.; *Obokeren* (Luo); shrub or subshrubby herb 0.2-3(-4.5) m; understory of evergreen forest, moist (riverine) forest; BDI, BEN, CAF, CIV, CMR, COD, ETH, GAB, GHA, GIN, GNB, GNQ, LBR, MWI, NGA, RWA, SDN, TZA, UGA, ZMB, ZWE; KEN [5]. DD 3133
- Psydrax parviflora* (Afzel.) Bridson ssp. *parviflora*; tree 7-24 m; moist forest (margins); AGO, BDI, BEN, CIV, CMR, COD, GAB, GHA, GIN, LBI, MLI, MOZ, MWI, NGA, RWA, TGO, TZA, UGA, ZMB, ZWE; KEN [3-5, 7]. Bridson 37
- Psydrax schimperiana* (A.Rich.) Bridson ssp. *schimperiana*; *Shekoye* (Luhya), *Lango/Kango* (Luo); shrub or tree 2-12 m; dry forest, evergreen bushland in rocky sites, wooded grassland; CIV, CMR, COD, ETH, MWI, NGA, RWA, TZA; KEN [1-7]. Althof 2. XI/2002
- Randia longiflora* (Salisb.) T.Durand & Schinz = *Rothmannia longiflora*
Rothmannia longiflora Salisb.; shrub or tree 3-9 m; forest or woodland; AGO, BEN, CAF, CIV, CMR, COD, GHA, GIN, GNQ, LBR, SDN, TGO, TZA, UGA; KEN [5, restricted to Kakamega Forest]. Dale 3281
- Rothmannia urcelliformis* (Schweinf. ex Hiern) Bullock ex Robyns 1947; *Mumandala* (Luhya); shrub or tree (1-)4-8.5(-15) m; forest, riverine dry forest; AGO, BEN, BDI, CAF, CIV, CMR, COD, ETH, GAB, GHA, GIN, MOZ, MWI, NGA, SDN, SLE, TGO, TZA, UGA, ZWE; MDG; KEN [(1), 3-5]. Mabberly & Tweedie 1095
- Rubia cordifolia* L.; climbing perennial herb 0.3-6 m; forest margins, forest clearings, riverine bushland in drier areas; Asia (AFG, RUS, CHN, MNG, IND, JPN, VNM, IDN, PHL) and Africa (AGO, COD, ERI, ETH, MOZ, MWI, SDN, SOM, SWZ, TZA, UGA, ZAF, ZMB, ZWE); KEN [1-6; new record for Kakamega Forest]. Althof 2002/180
- Rutidea fuscescens* Hiern ssp. *bracteata* Bridson; shrub or liana 1-9 m; forest margins or thicket; BDI, COD, RWA, TZA, UGA; KEN [5, restricted to Yala region]. Kokwaro 1780
- Rutidea orientalis* Bridson 1978; *Itikwa* (Luhya); shrub or climber 1.8-6 m; moist forest; BDI, COD, MOZ, MWI, RWA, TZA, UGA, ZWE; KEN [3, 5]. Carroll 4
- Rutidea smithii* Hiern ssp. *smithii*; *Manguelo* (Luhya); climber or liana 1-7 m; forest margins; AGO, BEN, CIV, CMR, COD, GAB, GNQ, NGA, SDN, SLE, TZA, UGA, ZMB; KEN [5, restricted to Kakamega Forest]. Carroll 11
- Rutidea syringoides* sensu Dale & Greenway K.T.S.: 469 (1961) non (Webb) Bremek. = *Rutidea orientalis*
- Rytigynia acuminatissima* (K.Schum.) Robyns 1928 ssp. *acuminatissima*; *Apindi* (Luo); shrub 2-3.5 m; forest margins and remnants; BDI; KEN [3, 5]. Dale in FD D3248
- Rytigynia bugoyensis* (K.Krause) Verdc. ssp. *bugoyensis*; shrub 1-6 m; forest; TZA, UGA; KEN [1, 4, 5]. Dale in FD 3118
- Rytigynia butaguensis* (De Wild.) Robyns = *Rytigynia bugoyensis*
- +*Rytigynia neglecta* (Hiern) Robyns; *Anyuka/Apindi* (Luo); shrub or tree 2-9 m; (dry) forest, riverine forest; CMR, COD, ETH, GAB, SDN, TZA, UGA; KEN [1-3]. Kokwaro
- Rytigynia uhligii* (K.Schum. & K.Krause) Verdc.; shrub or tree 1-9(-13) m; dry or rather moist forest (remnants), forest on isolated hilltops; BDI, MOZ, MWI, TZA, UGA, ZWE; KEN [1, 4, 6, 7]. Mutangah *et al.* K33

- Spermacoce princeae* (K.Schum.) Verdc.; scrambling or decumbent perennial herb 0.3-0.6 m; grassland, forest and woodland clearings, forest margins, hedgerows, roadsides; BDI, BEN, CMR, COD, ETH, TGO, TZA, UGA, ZMB; KEN [2-5]. Althof s.n.
- Spermacoce pusilla* Wall.; annual herb (2-)7.5-60 cm; grassland, woodland, roadsides, rocky places, weed in cultivation; Asia (CHN, IND, IDN, THL, VNM, PHL) and Africa (BDI, BEN, CAF, CMR, ETH, GAB, TZA, UGA, ZAF, ZMB; MDG, MUS); KEN [3-6]. Gilbert & Mesfin 6645
- Spermacoce radiata* (DC.) Hiern; annual herb 9-40(-100) cm; disturbed places in grassland and roadsides; AGO, BEN, BFA, CAF, CMR, GIN, MLI, MOZ, NGA, SDN, SEN, UGA, ZMB, ZWE; KEN [2, 5(new); new record for Kakamega Forest]. Obholzer 33-73
- Tarenna graveolens* (S.Moore) Bremek. = *Coptosperma graveolens* var. *graveolens*
- Tarenna pavettoides* (Harv.) Sim ssp. *gillmanii* Bridson; shrub or tree 3-6(-10) m; (riverine) forest, secondary bushland; BDI, COD, MWI, RWA, SDN, TZA, UGA, ZMB; KEN [4, 5]. Bridson 16
- Uncaria africana* G.Don ssp. *lacus-victoriae* Verdc.; liana or scandent shrub (3-)5-9(-15) m; forest margin, valley or swamp forest; COD, ETH, TZA, UGA; KEN [5, restricted to Kakamega Forest]. Faden *et al.* 70/3
- Vangueria apiculata* K.Schum.; *Shikhomoli/Kumukomosi* (Luhya); shrub or tree 1.5-9 m; forest margins, riverine forest, wooded grassland, evergreen bushland, thicket; COD, ETH, MOZ, MWI, RWA, SDN, TZA, UGA, ZMB, ZWE; KEN [1-3, 5, 6]. Bridson 48
- Vangueria infausta* Burch. ssp. *rotundata* (Robyns) Verdc.; *Omuya* (Luo); shrub or tree 2-8 m; riverine forest or woodland; MOZ, MWI, TZA, UGA, ZMB, ZWE; KEN [1-7]. Bridson 36
- Vangueria linearisepala* K.Schum. = *Vangueria volkensii*
- Vangueria madagascariensis* J.F.Gmel.; *Anyuka/Apindi* (Luo); shrub or tree 3-10 m; riverine forest or bushland, ground water forest; native range Africa (CAF, CMR, COD, ETH, GHA, MOZ, MWI, NGA, SDN, SWZ, TZA, UGA, ZAF; MDG), introduced in tropical Asia and West Indies; KEN [1-7]. Bahl in EA 13314
- +*Vangueria volkensii* K.Schum.; *Anyuka/Omugu* (Luo); shrub or tree 4-9m; riverine forest, rocky bushland, dry forest margins; COD, ETH, MOZ, MWI, RWA, SDN, TZA, UGA, ZWE; KEN [1-6(?)]. Kifcon

Rutaceae

+*Citropsis* spec.; shrub or tree. Rembold photo record

Clausena anisata (Willd.) Hook.f. ex Benth.; *Shingulutsi/Shisimbari* (Luhya); shrub, tree or liana 2-7.5(-10) m; forest (margins), wooded grassland, secondary (riverine) bushland; AGO, BEN, CIV, CMR, COD, ETH, GHA, GIN, MOZ, MWI, NGA, RWA, SDN, SLE, SWZ, TZA, UGA, ZAF, ZMB, ZWE; KEN [1-7]. Dale in FD 3134

Fagara mildbraedii Engl. = *Zanthoxylum mildbraedii*

Fagaropsis angolensis (Engl.) Dale; *Shingulotso* (Luhya); deciduous tree (5-)7-15(-20) m; dry (less often moist) evergreen forest (margins); AGO, COD, ETH, MOZ, MWI, TZA, UGA, ZMB, ZWE; MDG; KEN [3-7]. Cole 187

Teclea grandifolia Engl. 1896 = *Vepris grandifolia*

Teclea nobilis Delile = *Vepris nobilis*

Teclea simplicifolia (Engl.) I. Verd. = *Vepris simplicifolia*

Toddalia asiatica (L.) Lam.; *Luabare* (Luhya), *Ajua/Nyahuwet-Kwach* (Luo); liana or scandent shrub 2-15 m; forest margins, wooded grassland, bushland; Asia (CHN, IND, JPN, LKA, NPL, MNR, THL, VNM, MYS, PHL, TWN,) and Africa (COD, ETH, MOZ, MWI, RWA, SDN, SWZ, TZA, UGA, ZAF, ZMB, ZWE; MDG, MUS, REU); KEN [1-7]. Lucas 133

Vepris grandifolia (Engl.) Mziray; evergreen shrub or tree 4-11 m; rainforest, riverine forest; AGO, CMR, GAB, SDN, TZA, UGA, ZMB; KEN [5; restricted to Kakamega Forest]. Maas Geesteranus 6304

Vepris nobilis (Delile) Mziray; *Kumutare/Mutaru/Kuriondet* (Luhya), *Midat/Odar* (Luo); evergreen shrub or tree (3-)4-18 m; evergreen forest, riverine forest, woodland, thickets on rocky hills; BDI, COD, ETH, MWI, RWA, SDN, SOM, TZA, UGA, ZMB, ZWE; KEN [1-7]. Kokwaro 3096

+*Vepris simplicifolia* (Engl.) Mziray; evergreen shrub or tree 2-9 m; dry forest, riverine woodland or thickets, rocky bushland; ETH, TZA; KEN [1, 3-7]. Kifcon

Zanthoxylum gillettii (De Wild.) P.G. Waterman; *Shikuma* (Luhya); tree 10-35 m; rainforest; AGO, CAF, CIV, CMR, COD, GAB, GHA, GNQ, LBR, RWA, SDN, SLE, TZA, UGA, ZMB, ZWE; KEN [4-6]. Board 5

Zanthoxylum mildbraedii (Engl.) P.G. Waterman; *Simbari* (Luhya); tree 12-30 m; rainforest; COD, RWA, UGA; KEN [5, restricted to Kakamega Forest]. Dale in FD 3129

Zanthoxylum rubescens Planch. ex Hook.f.; *Shugoma/Shigulutsu* (Luhya); shrub or tree <8 m; rainforest or riverine forest; AGO, CAF, CIV, CMR, COD, GHA, GNB, LBR, SLE, TZA, UGA; KEN [5, restricted to Kakamega Forest]. Verdcourt 1698

Salicaceae

Casearia battiscombei R.E. Fr.; *Namasinzi* (Luhya); tree 3.5-40 m; upland moist evergreen forest (remants); MWI, TZA, UGA, ZWE; KEN [1, 3-6]. Cole 15

Casearia gladiiformis Mast.; shrub or tree 4.5-15 m; moist forest; MOZ, MWI, TZA, ZAF; KEN [3-5]. Cunningham van Someren 16263

+*Casearia runssorica* Gilg; tree <40 m; forest; BDI, COD, RWA, SDN, TZA, UGA; KEN [5]. Kokwaro

Dovyalis macrocalyx (Oliv.) Warb.; *Shinapateria/Shiriezo* (Luhya); shrub or tree 3-8 m; evergreen forest (margins) and riverine forest, wooded grassland or thicket; AGO, BDI, CAF, COD, MOZ, MWI, RWA, SDN, TZA, UGA, ZMB, ZWE; KEN [3, 5-7]. Bamps 6522

Flacourtia indica (Burm.f.) Merr.; *Bukarambi* (Luhya); scandent shrub or tree 2-9(-14) m; woodland, wooded grassland, fruit plantation; tropical Asia (CHN, IND, NPL, LKA, THL, VNM, KHM, LAO, IDN, MYS, PHL) and Africa (BWA, ETH, MOZ, MWI, NAM, SEN, SOM, TZA, UGA, ZAF, ZMB, ZWE; MDG, REU, SYC); KEN [2-5, 7]. Gillett 16711

Oncoba routledgei Sprague; *Shirikali* (Luhya), *Saa/Sao* (Luo); shrub or tree 4-9 m; rainforest, often riparian; COD, ETH, TZA, UGA; KEN [4-6]. Perdue & Kibuwa 9473

Oncoba spinosa Forssk.; *Saa* (Luo); shrub or tree 4-10 m; riverine forest or –bushland; AGO, BFA, BEN, BDI, BWA, CIV, CMR, ETH, GAB, GHA, GNB, GNQ, MWI, NAM, SDN, SEN, SOM, SWZ, TGO, TZA, UGA, ZAF, ZMB; KEN [1-5, 7]. Althof 12. III/2002

Trimeria grandifolia (Hochst.) Warb. ssp. *tropica* (Burkill) Sleumer; *Mutundu* (Luhya); (scrambling) shrub or tree 1.8-12(-20) m; dry evergreen forest or riverine forest, wooded grassland, less often rainforest; BDI, CMR, COD, RWA, TZA, UGA, ZWE; KEN [2-7]. Rogers 732

Sapindaceae

Allophylus abyssinicus (Hochst.) Radlk.; shrub or tree (1.2-)4.5-21(-25) m, slightly buttressed bole; (riverine) forest (remnants); COD, ETH, MOZ, MWI, RWA, SDN, TZA, UGA, ZWE; KEN [1-7]. Althof 27. III/2002

Allophylus africanus P.Beauv.; *Ochond-Atego* (Luo); shrub or tree (2-)4.5-10 m; riverine of grassland, termite mounds; BEN, BFA, BWA, CAF, CIV, CMR, COD, ETH, GAB, GHA, GIN, GNB, GNQ, GMB, LBR, MLI, MOZ, MWI, NAM, NER, NGA, RWA, SLE, SWZ, TGO, TZA, UGA, ZAF, ZMB, ZWE; KEN [3-6]. Althof s.n.

Allophylus ferrugineus Taub.; *Lusasari* (Luhya); tree or shrub 0.9-9 m; (riverine) forest; AGO, BDI, CAF, CMR, COD, ETH, RWA, SDN, TZA, UGA; KEN [3-6]. Kokwaro 4291

Allophylus macrobotrys Gilg. = *Allophylus ferrugineus*

Allophylus rubifolius (A.Rich.) Engl.; *Oludh-kuon/Nyamwoch* (Luo); (scandent) shrub or tree 1-7.5 m; (riverine) forest; bushland, thickets, forest; COD, ETH, MOZ, MWI, SDN, SOM, SWZ, TZA, UGA, ZAF, ZMB, ZWE; KEN [1-7]. Kamau *et al.* 214

Aphania senegalensis (Juss ex Poir) Radlk. = *Lepisanthes senegalensis*

Blighia unijugata Baker; *Shiarambatsa* (Luhya), *Achak* (Luo); tree 6-9 m; (riverine) forest; AGO, BEN, CAF, CIV, CMR, COD, GAB, GHA, GNB, LBR, MWI, MOZ, NGA, SDN, SLE, TZA, UGA, ZWE; KEN [3-7]. Machin 3273

Cardiospermum grandiflorum Sw.; annual, herbaceous or slightly woody climber; forest margins, on rocky ground; tropical America and Africa (AGO, BEN, BWA, CAF, CIV, CMR, COD, COG, GHA, GIN, LBR, MWI, NAM, NGA, SDN, SLE, SWZ, TZA, UGA, ZAF, ZMB, ZWE); KEN [2, 3, 5, Yala River area]. Verdcourt 1701

+*Cardiospermum halicacabum* L.; climbing annual herb; grassland and woodland, on rocky or stony ground and *Acacia* forests; pantropical; KEN [1, 2, 3?, 4, 5, 7]. Rembold photo record

Deinbollia kilimandscharica Taub.; *Musana* (Luo); shrub or tree 1.2-12 m; forest; COD, ETH, TZA, UGA; KEN [3-5, 6]. Kamau *et al.* 273

Dodonaea angustifolia L.f. = *Dodonaea viscosa* var. *angustifolia*

Dodonaea viscosa Jacq. var. *angustifolia* (L.f.) Benth. 1863; shrub or tree 0.5-7.5(-9) m; sandy soils; pantropical-subtropical; KEN [1-7]. Ekkens 243

+*Lepisanthes senegalensis* (Juss. ex Poir.) Leenh.; *Musaretsi* (Luhya), *Ochol* (Luo); tree 6-21 m; riverine forest; tropical Asia (BTN, IND NPL, LKA, LAO, MNR, THL, VNM, IND, PNG, PHL, MYS) and Africa (AGO, BEN, CAF, CIV, CMR, COD, ERI, ETH, GAB, GHA, GIN, GNB, MOZ, NGA, SDN, SEN, SOM, TGO, TZA, UGA; MDG); KEN [1-7]. Rembold photo record

cf. *Pancovia golungensis* (Hiern) Exell & Mendonça; shrub or tree 1.8-18 m; forest; AGO, MOZ, TZA, ZAF; KEN [7]. Althof 30. X/2002

Paullinia pinnata L.; *Wananda* (Luo); climber 2.5-8(-15?) m; riverine forest, forest margins; tropical America and Africa (AGO, BEN, BWA, CIV, CMR, COD, ETH, GHA, GIN, GMB, GNB, LBR, MLI, MOZ, MWI, NGA, RWA, SDN, SEN, SLE,

TGO, TZA, UGA, ZAF, ZMB, ZWE; MDG; KEN [3-7]. Mwangangi & Gliniars 100

Sapotaceae

Afrosorsalisia cerasifera (Welw.) Aubrév. = *Synsepalum cerasiferum*

Aningeria altissima (A.Chev.) Aubrév. & Pellegr. = *Pouteria altissima*

Bequaertiodendron oblanceolatum (S.Moore) Heine & J.H.Hemsl. = *Englerophytum oblanceolatum*

Chrysophyllum albidum G.Don; *Mululu* (Luhya); tree 24-40(-45) m, fluted bole, buttressed base; rainforest, riverine forest; BEN, CIV, CMR, COD, GAB, GHA, GNQ, LBR, NGA, SDN, SLE, TZA, UGA; KEN [5, restricted to Kakamega Forest]. Dale 3085

Chrysophyllum delevoiyi De Wild.; tree <25 m, bole fluted, buttressed base; rainforest, riverine forest; AGO, CMR, CIV, COD, GAB, GHA, LBR, SLE, NGA, UGA; KEN [5?, may occur in Kakamega Forest: "only a single leaf have been recorded" according to Hemsley (FTEA 1968)].

+*Chrysophyllum viridifolium* J.M.Wood & Franks; tree 12-21(-35) m, bole fluted; dry evergreen forest, riverine forest; MOZ, SWZ, ZAF, ZWE; KEN [4, 5 (new), 7; new record for Kakamega Forest]. Rembold photo record

Englerophytum oblanceolatum (S.Moore) T.D.Penn.; *Musamia* (Luhya); tree 6-10(-18) m, bole fluted; rainforest; BEN, CAF, CIV, CMR, GHA, GIN, SLE, UGA; KEN [5, restricted to Kakamega Forest]. Dale in F.D. 3124; Gilbert 6875

Manilkara butugi Chiov.; *Ludolio* (Luhya); tree 18-36 m; occasionally slightly fluted bole; rainforest, riverine forest; ETH, SDN, TZA, UGA; KEN [2, 3, 4?, 5]. Dale 3086

Pachystela brevipes (Baker) Baill. ex Engl. = *Synsepalum brevipes*

Pouteria altissima (A.Chev.) Baehni; *Mukangu* (Luhya); tree <50 m; rainforest, riverine forest; CAF, CIV, CMR, COD, ETH, GAB, GHA, GIN, NER, NGA, SDN, TZA, UGA, ZMB; KEN [5, restricted to Kakamega Forest]. Verdcourt 1684

Synsepalum brevipes (Baker) T.D.Penn.; *Kang'o* (Luo); tree 3-25(-35) m, bole fluted; lowland rainforest, riverine forest, on river banks, lake margins; AGO, BEN, CAF, CIV, CMR, GAB, GHA, GIN, GNB, LBR, MLI, MOZ, MWI, NGA, SDN, SEN, SLE, TZA, UGA, ZMB, ZWE; MUS; KEN [4, 5, 7]. Pardue & Kibuwa 9454

Synsepalum cerasiferum (Welw.) T.D.Penn.; *Mbeshe/Tsikhulumuru* (Luhya); tree (7-)10-40 m, bole fluted; rainforest, groundwater or riverine forest, lowland mixed woodland; AGO, CIV, CMR, COD, GIN, MOZ, MWI, SDN, SLE, TZA, UGA, ZMB; KEN [3, 5; restricted to Kakamega Forest and Kaimosi]. Komu 151

Scrophulariaceae

Buddleja polystachya Fresen.; shrub or tree <6 m; forest, bushland; Arabia (YEM) and Africa (ETH, TZA, UGA); KEN [2-6]. Dale 3388

Smilacaceae

+*Smilax anceps* Willd.; climber or liana; wet evergreen forest; BEN, BFA, CAF, CIV, CMR, COD, ETH, GAB, GHA, GNQ, LBR, NGA, SEN, SWZ, TZA, ZAF, ZMB; MDG, MUS, REU; KEN [3-5, 7]. Obholzer photo record

Solanaceae

- **Cestrum aurantiacum* Lindl.; shrub 1.5-6.5(-8.5) m; woodland, riverine forest; native range America (MEX to CRI, GTM, HND, NIC, VEN), cultivated throughout the tropics as a garden ornamental; KEN [4, 5]. Althof 2. XI/2002
- +**Physalis peruviana* L.; perennial herb <1 m; cultivated and escaped; native range South America (VEN, BOL, COL, ECU, PER), cultivated pantropical-subtropical; KEN [1-6]. Mutangah
- Solanum aculeastrum* Dunal; shrub or tree <6 m; forest clearings; grassland; AGO; BDI, CAF, CMR, COD, MOZ, MWI, NGA, RWA, SDN, SWZ, TZA, UGA, ZAF, ZMB, ZWE; KEN [1, 3-7]. Paulo 550
- Solanum giganteum* Jacq.; spiny shrub <8 m; wet forest (margins), thickets; Asia (IND, LKA) and Africa (AGO, BEN, CIV, CMR, COD, ETH, GAB, GHA, GIN, LBR, MOZ, MWI, NGA, SDN, SLE, SOM, SWZ, TGO, TZA, ZAF, ZWE; KEN [1, 3-5, 7]. Dale 3242
- Solanum incanum* L.; *Indulandula* (Luhya), *Ochok* (Luo); spiny shrub <1.8 m; disturbed ground, secondary vegetation; widespread in Arabia, Asia and Africa; KEN [1-7]. Bahl in EA 13320
- **Solanum mauritianum* Scop.; shrub or tree <6 m; escaped from cultivation; probably native range South America (BRA, PRY, URY), naturalized pantropical; KEN [3-5]. Taylor 14
- Solanum* cf. *sessilistellatum* Bitter; perennial herb; rainforest clearings; clearings in montane rainforest; UGA, KEN [2-6].
- Solanum terminale* Forssk.; climber <3(-7) m; forest margins; Arabia (YEM) and Africa (AGO, BDI, BEN, CAF, CIV, CMR, COD, COG, ETH, GAB, GHA, GNB, GNQ, MWI, MOZ, NGA, RWA, SWZ, TGO, TZA, UGA, ZAF, ZMB, ZWE; COM; KEN [1, 3-7]. Mwachala 315

Stilbaceae

- Nuxia congesta* R.Br. ex Fresen.; *Lubambo*, *Inoyna* (Luhya); tree (2-)4.5-25 m; light (upland) forest or bamboo zone, grassland; AGO, BWA, CIV, CMR, COD, ETH, GHA, GNQ, MOZ, MWI, SDN, SLE, TZA, UGA, ZMB, ZWE; KEN [1-7]. Perdue & Kibuwa 9466

Thymeleaceae

- +*Gnidia subcordata* Meisn.; *Mugangagu* (Luhya); shrub 1-4 m; (dry evergreen) forest (margins), wooded grassland; SDN, TZA, UGA, ZAF; KEN [1-7]. Kokwaro
- Peddiea fischeri* Engl.; shrub or tree <10 m; (gallery) forest, riverine thickets; AGO, BDI, CMR, COD, GAB, GIN, GNQ, MLI, MOZ, MWI, NGA, RWA, SDN, SLE, TGO, TZA, UGA, ZAF, ZMB; KEN [3-5]. Althof XI/2002

Ulmaceae

- Chaetacme aristata* Planch.; *Ikhomo*, *Likhomo* (Luhya); thorny shrub or tree (1)3-13 m; forest margins, riverine forest, wooded grassland, rocky places; BEN, BWA, CIV, CMR, COD, GHA, MOZ, MWI, NGA, SDN, TZA, UGA, ZAF, ZMB, ZWE; MDG; KEN [1, 3-6]. Lucas 137

Urticaceae

- Boehmeria macrophylla* Hornem.; *Isambakhalu* (Luhya); woody herb or shrub 1-3 m; native range Asia (BTN, CHN, IDN, IND, LKA, MMR, NPL, THL, VNM) and

- Africa (AGO, CAF, CMR, COD, ETH, GAB, GIN, MOZ, MWI, SLE, TZA, UGA, ZMB, ZWE; MDG, MUS, REU), introduced to AUS, Polynesia; KEN [5, only Kakamega and Malaba Forest]. Bally 13665
- Boehmeria platyphylla* Buch.-Ham. ex D. Don = *Boehmeria macrophylla*
- Didymodoxa caffra* (Thunb.) Friis & Wilmot-Dear; annual herb <30(-80) cm; rare in disturbed places in upland forest, in shade amongst rocks; COD, ERI, ETH, NAM, TZA, ZAF, ZMB; KEN [3-5]. Obholzer 63-140
- Elatostema monticola* Hook.f.; (ascending) perennial herb <30 cm; dark wet shady places in forest; BDI, CMR, COD, ETH, GBQ, MOZ, TZA, UGA, ZMB, ZWE; KEN [3-5]. Faden *et al.* 70/42
- Elatostema orientale* Engl. = *Elatostema monticola*
- Laportea alatipes* Hook.f.; (short lived) perennial herb 1.5 m; disturbed ground in wet montane forest; CMR, COD, ETH, GNQ, MWI, TZA, UGA, ZAF, ZMB, ZWE; KEN [3-6]. Drummond & Hemsley 4757
- Laportea ovalifolia* (Schum. & Thonn.) Chew; erect or creeping perennial herb 20-50 cm; disturbed woodland; AGO, BEN, CIV, CMR, COD, GAB, GHA, GNQ, LBR, NGA, TGO, UGA; KEN [3, 5]. Taylor 20
- +*Pilea johnstonii* Oliv.; perennial herb <40 cm, terrestrial or low-level epiphytic; disturbed streamsides in forest; BDI, COD, ETH, MWI, RWA, SDN, TZA, UGA, ZWE; KEN [2-6]. Rembold photo record
- Pilea rivularis* Wedd.; perennial herb <0.5(-1) m; rainforest by streams and paths, moist rocky places, along small streams; BDI, CMR, ETH, GNQ, MWI, NGA, RWA, TZA, ZAF, ZMB; COM, MDG; KEN [2-7]. Althof 24. VII/2003
- Urera hypselodendron* (Hochst. ex A. Rich.) Wedd.; *Muyuch* (Luhya); woody climber 2-15 m, often epiphytic; moist forest (margins); BDI, COD, ETH, MOZ, MWI, SDN, TZA, UGA, ZMB, ZWE; KEN [3-6]. Osei-Fofie 240
- Urera trinervis* (Hochst.) Friis & Immelman; climber or liana <10 m; along lakes, rivers or forest margins; BEN, CAF, CIV, CMR, COD, ETH, GAB, GHA, GNQ, MOZ, NGA, TZA, UGA, ZAF, ZMB, ZWE; MDG; KEN [3, 5-7]. Gillett 16705

Verbenaceae

- +*Duranta erecta* L.; shrub or tree 1.8-6 m; riverine thicket, woodland, grassland, often on termite mounds; native range Caribbean, Central and South America, introduced as a garden ornamental now naturalized pantropical; KEN [4-6]. Rembold photo record
- **Lantana camara* L.; *Nyamrih* (Luo); shrub <2 m; woodland, disturbed ground; probably native range West Indies, introduced as a garden ornamental, now naturalized pantropical-subtropical; KEN [3-7]. Althof s.n.
- **Lantana trifolia* L.; *Lumenenambuli* (Luhya), *Magwaga/Nyabend-winy* (Luo); shrub or woody perennial herb 0.9-3 m; ruderal, bushland, grassland; native range Caribbean, Central and South America, now naturalized palaeotropical; KEN [1-7]. Lucas 143
- +*Lippia carvioidora* Meikle; shrub 0.5-1.3 m; dry bushland, grassland, partly cultivated; ETH, SOM; KEN [1-4, 7]. Kokwaro
- Lippia grandifolia* Hochst. ex A. Rich.; shrub 0.5-1.8 m; disturbed forest or wooded grassland; BDI, COD, ETH, UGA; KEN [3-5]. Obholzer 81-183

Violaceae

- Rinorea brachypetala* (Turcz.) Kuntze; *Luburika/Mbulikha* (Luhya), *Mdhasa* (Luo); shrub or tree 2.5-6.5 m; evergreen forest, along rivers; AGO, BEN, CAF, CIV,

CMR, COD, GAB, GHA, NGA, SDN, SLE, TZA, UGA, ZMB; KEN [3, 5].
Gilbert 6885

Rinorea poggei Engl. = *Rinorea brachypetala*

Vitaceae

Cissus humbertii Robyns & Lawalrée; climber; forest margins; COD; KEN [5, restricted to Kakamega Forest]. Bally 13688

Cissus oliveri Gilg ex Engl.; climber; forest margins; BDI, RWA, TZA, UGA; KEN [3-5]. Malombe *et al.* 1337

Cissus rotundifolia (Forssk.) Vahl; *Kalera/Minya* (Luo); climber; *Acacia-Commiphora*-bush; Arabia (SAU, YEM) and Africa (BDI, ETH, COD, MOZ, MWI, SOM, SWZ, TZA, UGA, ZAF, ZWE; MUS); KEN [1-7]. Rembold s.n.

Cyphostemma kilimandscharicum (Gilg) Desc. ex Wild & R.B.Drumm.; liana or climber; rainforest; COD, MWI, TZA, ZMB, ZWE; KEN [1-6]. Bridson 53

+*Cyphostemma marunguense* (Dewit) Desc.; climber; forest margins; COD, TZA; KEN [3-6]. Rembold photo record

Leea guineensis G.Don; *Mundana* (Luhya); shrub <1 m; (swamp) forest margins; Asia (CHN, IDN, IND, PHL, THA) and Africa (AGO, BDI, BEN, BFA, CAF, CIV, CMR, COD, GAB, GHA, GIN, GNB, GNQ, LBR, MLI, MWI, NGA, SDN, SEN, SLE, TGO, TZA, UGA, ZMB; COM, MDG, MUS); KEN [5, restricted to Kakamega Forest and Bukura]. Kamau *et al.* 276

Rhoicissus tridentata (L.f.) Wild & R.B.Drumm.; shrub <2 m; wooded grassland; commonly cultivated as an indoor plant; BWA, DJI, ETH, MOZ, MWI, RWA, SWZ, TZA, UGA, ZAF, ZMB, ZWE; KEN [1-7]. Kidula 25

Xyridaceae

Xyris rehmannii L.A.Nilsson; tufted perennial herb, leaves <50 cm, peduncles 80-120 cm; swampy grassland; AGO, CMR, ETH, NGA, SWZ, TZA, ZAF, ZWE; KEN [3, 5]. Obholzer 1-5

Xyris straminea L.A.Nilsson; annual herb 4-8(-15) cm; ephemeral habitats e.g. edges of pools in drier regions or in seasonal wet flushes on rocky outcrops; AGO, BEN, BFA, CAF, CIV, CMR, GAB, GHA, GIN, LBR, MLI, MOZ, MWI, NGA, SLE, TZA, UGA, ZAF, ZMB, ZWE; KEN [1, 3, 5 (new)]. Obholzer & Fischer s.n.

Zingiberaceae

+*Aframomum angustifolium* (Sonn.) K.Schum; perennial herb, leafy shoots 1.5-4 m; moist shady places, forest understorey, forest margins, gallery forest; BEN, CIV, GHA, MOZ, NGA, RWA, SDN, TZA, UGA, ZMB; MDG; KEN [4, 5, 7]. Fischer photo record

Aframomum keniense R.E.Fr. = *Aframomum zambesiacum*

Aframomum mala (K.Schum.) K.Schum.; perennial herb, leafy shoots 2-4 m; understorey and margins of moist montane forest; COD, RWA, SDN, TZA, UGA; KEN [5; restricted to Kakamega Forest]. Althof s.n.

Aframomum spec. nov.; perennial herb; endemic to KEN [5 (new), endemic to Kakamega Forest]. New taxon that will be described in near future. Fischer s.n.

Aframomum subsericeum (Oliv. & T.Hanb.) K.Schum.; perennial herb; AGO, CAF, CIV, CMR, COD, GAB, NGA; KEN [5; restricted to Kakamega Forest]. Althof s.n.

Aframomum zambesiacum (Baker) K.Schum.; perennial herb, leafy shoots <2 m; upland forest and secondary, often near paths or streams; ETH, MWI, TZA, UGA; KEN [4, 5]. Kokwaro 3093

Renealmia engleri K.Schum.; perennial herb, leafy shoots <2.5 m; understorey rainforest; TZA; KEN [5, restricted to Kakamega Forest]. Mwachala *et al.* 318

Renealmia spec. nov.; perennial herb; endemic to KEN [5 (new), endemic to Kakamega Forest]. New taxon that will be described in near future. Fischer s.n.

Zygophyllaceae

+*Balanites aegyptiaca* (L.) Delile; *Othoo* (Luo); tree 3-12(-15) m; dry bushland, wooded grassland, riverine; panafrikan, West Arabia; KEN [1-6]. Kifcon