An annotated checklist of vascular plants of Cherangani hills, Western Kenya

by
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Abstract
Cherangani hills, located in Western Kenya, comprises of 12 forest blocks, maintaining great plant diversity. However, little attention to plant diversity studies has been paid to it in the past years. Here, we present a checklist of the vascular plants of this region obtained through intensive field investigations and matching of herbarium specimens. In total, 1296 species, including 17 endemic species are documented, belonging to 130 families and 608 genera. This flora represents 18.50%, 43.83% and 54.17% of the Kenyan species, genera and families, respectively. The habit, habitat and voucher specimens, as well as brief notes on the distribution of each taxon recorded are presented in this checklist. It is the first exhaustive inventory of the terrestrial vascular plants in Cherangani hills which is a significant regional centre for plant diversity.

Keywords
Checklist, Cherangani hills, vascular plants, diversity, endemism

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Introduction

One of the most critical issues on the global, regional and national agenda is the need to preserve biodiversity for future generations and concurrently strive to understand the indigenous knowledge of resource management practices (Nehal et. al. 2004). The concern for biodiversity preservation by government has highlighted the importance derived from broad and small scale vegetation (Whittaker et al. 1979; Frood and Calder 1987; Lunt 1990). Well managed forests are very useful in biodiversity conservation (Sayer et al. 1995). Conserving plant species of special interest in the tropical forest ecosystems ensures that the vital socio-economic and environmental services (e.g. soil and water conservation and wood and non-wood products) are in constant supply to the local communities living near these forests.

Much of the world’s terrestrial plant diversity occurs in the tropical forests, where they are facing rapid deforestation (FAO 1997). Agricultural farming increased by 200% at the expense of the tropical forests between 1900 and 1990 (UNEP 2009a). Currently, many forests in the tropics are facing a myriad of threats including: unsustainable harvesting practices, illegal encroachment and degradation by the dependent communities (UNDP 2006). Over the last 20 years, the local inhabitants have encroached upon the forest land, converting it into settlement and farmlands (UNEP 2009a). Other factors contributing to the forest loss include change of ecological processes due to climate
change, resulting in alteration of biogeochemical cycles and potential species loss (Wang et al. 2001). Moreover, the rapidly increasing human population is the main reason for the large forest loss in East Africa (Lung and Schaab 2009). In addition, ineffective forest policy implementation has also led to the biodiversity loss in Kenya.

The main goal of a checklist is the provision of high-quality baseline data of a given area or forest on all the accepted taxa. The collection of species resource information, namely species inventory, is the primary component of the biodiversity catalogue and the easiest to understand and operate (Heywood et al. 1997), with the nomenclature being the chief focus, as it is fundamental in the communication about plants and the key to biodiversity status. The process involves investigation, classification, ordering, quantification, mapping, analysis and synthesis of species information. Around the world, research on check listing of plants has been done or is on-going in various places (Chong et al. 2009). Although numerous botanists have collected plant specimens from Cherangani hills forest, no comprehensive species studies have been undertaken in all forest blocks (Synott 1979). In Kenya, numerous studies on plant checklists covering different regions have been undertaken on various ecological regions. Some of the major plant checklists include, Bura Tana River (Gachathi et al. 1994), Ol Ari Nyiro Range (Muasya et al. 1994), Mount Elgon (Tweedie 1976), Taita hills (Beentje 1988); (Thijs et al. 2013), Mount Nyiru (Bytebier and Bussmann 2000), Shimba hills (Luke 2005), Kakamega forest (Fischer et al. 2010), Nandi Forests (Girma et al. 2015) and Mount Kenya (Zhou 2017). For Cherangani hills forest, few ad hoc expeditions resulted in several herbarium collections but failed to give the actual floristic listing, composition and distribution of the species (Blackett 1994).

The aim of this paper is to provide the first comprehensive checklist of the vascular species of Cherangani hills. The checklist will provide the basis for further studies of the indigenous species. It will also assist in implementing policies and strategies for the ecological research and conservation of this unique Highland forest ecosystem in Western Kenya.

Materials and methods

Study site and current vegetation status

Cherangani hills are located in the western side of Kenya within an area defined by 1°16’N, 35°26’E and comprises 12 forest blocks, including Kapolet, Cheboyit, Chemurkoi, Embobut, Kaisungor, Kererr, Kipkunurr, Kiptaberr, Sogotio, Toropket, Kapkanyar and Lelan (UNEP 2009a) (Fig. 1). Within Cherangani hills, relatively undisturbed (nearly primary) forest, as well as disturbed, secondary forest, swamps and riverine forest and natural glades are present. Kapkanyar, Kapolet and Kiptaberr blocks compose the western block Forest Reserves and are comprised of bushland (Pratt et al. 1966), which have undisturbed forest ecology and together total approximately 20,000 ha. They are closed forests as there are no indications of human
activity, hence there is a higher plant diversity, which is dominated by *Aningeria-Strombosia-Drypetes* forest, with a large area of mixed *Podocarpus latifolius* forest on the higher slopes. According to FAO (2010), all terrestrial ecosystems classified as primary forests are characterised as the most species-rich and diverse. This area is therefore classified as closed forest since it has a tree cover of 40% or more (UNEP et al. 2009b). To the east, forest reserves’ blocks of Lelan, Embobut, Kererr, Kaisun-gor, Toropket, Chemurkoi, Kipkunurr, Cheboyit, Sogotio and Kapchemutwa are also comprised of woodland and grassland which are separate and have been interfered with by humans and domestic animals. Areas with vegetation cover other than forests, but are not under intensive land use, are defined as woodlands and are mostly used for cattle grazing (Holmgren 2006).

The forests on the south-eastern block along the escarpment crest are fragmented and separated by extensive natural grasslands, scrub and farmland especially in the central part. This area holds *Juniperus-Nuxia-Podocarpus* forest, with heavily disturbed *Podocarpus falcatus* forest on the eastern slopes. Generally, most of this area consists of middle-aged secondary forest, but much of it is characterised by very young secondary forest. This area is generally highly degraded and fragmented and the composition of plant communities has been greatly influenced by past commercial logging activities and other anthropogenic disturbances (Mitchell and Schaab 2008). Within the valleys in the upper peak areas, remnants of *Juniperus-Maytenus undata-Rapanea-Hagenia* forest could be found. *Cyathea manniana* occurs in the stream valleys and there are
patches of Bamboo (*Arundinaria alpina*), even though there is no bamboo zone along the Cherangani hills. At higher altitudes, the forest is interspersed with a mixture of heath vegetation and swamps and the latter with *Lobelia aberdarica*, *Senecio johnstonii* and *Dendrosenecio cheranganiensis*. There are different types of vegetation especially in the east, with little obvious altitudinal zonation and an establishment of plantations of *Cupressus lusitanica*, *Pinus patula* and a few *Eucalyptus* species.

Specimen collection and identification

Between July 2015 and May 2018, the botanical team consisting of botanists from the National Museums of Kenya and Sino-Africa Joint Research Center held several explorations in the Cherangani hills. A combination of general walk-over survey method (Filgueiras et al. 1994) and a plotless landscape defined sampling methods for plant specimen collection and sight observation was used to aid the characterisation of the vegetation (Hall and Swaine 1981). Plant specimens bearing flower or fruit were collected and identified. Details of identified specimens were recorded. Specimen details included habit, habitat, distribution and collector details. The specimens were then preserved by pressing.

Voucher specimens were deposited at the East African Herbarium, Nairobi, Kenya (EA) and Herbarium of Wuhan Botanical Gardens, Wuhan, China), labelled with the plant’s scientific name and common names, collection date, GPS coordinates, habitat, collector, identifier and a herbarium specimen number. Standard references were used for plant identification (FTEA 1952–2012; Blundell 1987; Agnew and Agnew 1994; Beentje 1994; Stewart and Campbell 2006; Agnew 2013).

Checklist

A comprehensive checklist of the vascular plant taxa of the Cherangani hills is enumerated below. Within this checklist, species are organised alphabetically in each family. The families are divided into four groups, namely lycophytes, monilophytes, gymnosperms and angiosperms. Families of lycophytes and monilophytes are organised based on the PPG I system (PPG I 2016), while those of gymnosperms are organised based on Christenhusz et al. (2011) and families of angiosperms are organised based on the APG IV system (APG IV 2016).

Results and discussion

Families, genera and species diversity

The current checklist contains a total of 1296 vascular species belonging to 130 families and 608 genera that are indigenous, naturalised or introduced to Cherangani hills. This represents 18.50% of the total number of 7004 Kenyan vascular species obtained,
43.83% of the total number of 1387 Kenyan genera and 54.17% of the total number of 240 Kenyan families (MEWNR and RDA 2015). However, the number of species is still increasing because of the discovery of new records, new naturalised species and the introduction of invasive species.

The top 10 species-rich families are Asteraceae (66 genera/165 species), Fabaceae (39/98), Labiatae (32/68), Orchidaceae (23/65), Rubiaceae (25/65), Poaceae (40/59), Cyperaceae (8/40), Apocynaceae (20/38), Acanthaceae (17/36) and Malvaceae (10/34) (Table 1). Fabaceae, Poaceae and Asteraceae are amongst the three largest families in Cherangani hills and are also the largest families in the world, having 745 genera/19560 species, 707 genera/11337 species and 1620 genera/23600 species, respectively (Stevens 2012) and also the largest families in Kenya, having 98 genera/576 species, 137 genera/565 species and 99 genera/403 species (Zhou et al. 2017a). The 9 most species-rich genera are Helichrysum (20, Asteraceae), Cyperus (19, Cyperaceae), Plectranthus (17, Lamiaceae), Crotalaria (14, Fabaceae), Vernonia (13, Asteraceae), Euphorbia (13, Euphorbiaceae), Solanum (13, Solanaceae), Carex (12, Cyperaceae) and Justicia (10, Acanthaceae) (Table 1).

**Table 1.** The 10 largest families and genera of the vascular plants of Cherangani hills.

| Family      | Species | Genera |
|-------------|---------|--------|
| Asteraceae  | 165     | 66     |
| Fabaceae    | 98      | 39     |
| Lamiaceae   | 68      | 32     |
| Orchidaceae | 67      | 23     |
| Rubiaceae   | 64      | 25     |
| Poaceae     | 59      | 40     |
| Cyperaceae  | 40      | 09     |
| Apocynaceae | 36      | 20     |
| Acanthaceae | 36      | 17     |
| Malvaceae   | 34      | 10     |

Growth habit

The growth habit of Cherangani hills signifies that herbaceous species have the highest percentage of 54.39%. Herbs are plants without persistent woody stems. Shrubs are represented with 23.76% and can be defined as self-supporting woody plants branching at or near the ground or with several stems from the base or a single stem less than 2 m. A climber is also defined as a plant that grows upwards by attaching itself to other structures which it uses as support. A tree is a perennial woody plant with a secondary thickening, with a clear main trunk, is dependent on the single trunk and has a height of more than 3 m (Beentje 2016). Trees are also represented with 11.57% of the total species (Table 2). Plant species richness is usually higher in the herbaceous layer than in any other forest stratum. It is often stated that most plant biodiversity in the forest
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ecosystems is found in the herbaceous layer (Roberts 2004; Whigham 2004), which concludes that herbaceous flora in Cherangani hills has invaded most of the areas and hence has the highest percentage contributing to the high plant diversity.

**Endemic and threatened species**

There are 17 endemic plant species in Cherangani hills (Source FTEA), belonging to 5 families and 13 genera and accounting for 1.23% of the total species of which most are from the herb layer (Table 3). The region is not well protected, hence poses great danger to these species, for example, *Dendroseneciocheranganiensis* is classified as a vulnerable species by IUCN (2013). In total, there are 34 threatened plant species (Source FTEA), belonging to 17 families and 28 genera representing 2.62% of the total plants in Cherangani hills (Table 4). Over-exploitation and habitat loss have led to species becoming rare and threatened, for example, *Polyscias kikuyuensis* is highly valued for its excellent timber, hence highly extracted.

**Table 2.** Growth habit of the plants of Cherangani Hills.

| Habit              | No. of species | Percentage |
|--------------------|----------------|------------|
| Trees              | 150            | 11.57%     |
| Shrubs             | 308            | 23.76%     |
| Climbers/Lianas    | 81             | 06.25%     |
| Herbs              | 705            | 54.39%     |
| Epiphytes          | 46             | 3.55%      |
| Parasitic herb     | 6              | 0.46%      |
| Total              | 1296           | 100%       |

**Table 3.** The endemic plants of Cherangani hills.

| Family             | Endemic species                                      | Growth habit |
|--------------------|------------------------------------------------------|--------------|
| Acanthaceae        | Justicia leikpiensis S. Moore                        | Herb         |
|                    | Megalochlamys kenyensis Vollesen                    | Herb         |
| Asteraceae         | Conyza agnewii Mesfin                                | Herb         |
|                    | Seneciocheranganiensis Cotton & Blakelock           | Herb         |
|                    | Senecio bedbergii C. Jeffrey                         | Shrub        |
|                    | Senecio plantagineoides C. Jeffrey                   | Herb         |
|                    | Senecio pseudosubesilis C. Jeffrey                   | Herb         |
|                    | Senecio snowdenii Hutch                              | Shrub        |
|                    | Kleinia scottioides C. Jeffrey                       | Herb         |
|                    | Bidens elgonensis (Sherff) Agnew                     | Herb         |
|                    | Carduus schimperi Sch. Bip.                          | Herb         |
|                    | Dendroseneciocheranganiensis (Cotton & Blakelock) E.B. Knox | Shrub        |
|                    | Emilia tricholepis C. Jeffrey                        | Herb         |
| Moraceae           | Dorstenia afromontana R.E. Fr.                       | Herb         |
| Boraginaceae       | Cynoglossumcheranganiensis Verdc.                    | Herb         |
| Orobancheaceae     | Buchnera scabridula E.A. Bruce                       | Herb         |
**Table 4.** The threatened plants of Cherangani hills.

| Family          | Species                                                                 |
|-----------------|-------------------------------------------------------------------------|
| Apiaceae        | *Peucedanum aculolatum* Engl., *Pimpinella lindblomii* H. Wolff           |
| Araliaceae      | *Polycias kikuyuensis* Summerh.                                          |
| Asteraceae      | *Ethulia vernonioides* (Schweinf.) M.G. Gilbert, *Euryops brownei* S. Moore, *Gutenbergia rupepellii* Sch. Bip., *Senecio pseudobusilis* C. Jeffrey, *S. rhhammatophyllus* Mattf., *Helichrysum meyeri-johannis* Engl., *Guizotia jacksonii* (S. Moore) J. Baagoe. |
| Balsaminaceae   | *Impatiens boehnelli* T.C.E. Fr., *I. meruensis* Gilg, *I. pseudoviola* Gilg, *I. tinctoria* A. Rich. |
| Boraginaceae    | *Cynoglossum cheranganiense* Verdc.                                      |
| Campanulaceae   | *Lobelia aberdarensis* R.E. Fr. & T.C.E. Fr., *L. cheranganiensis* Thulin, *L. deckenii* (Asch.)          |
| Euphorbiaceae   | *Euphorbia brevicornu* Pax                                                 |
| Fabaceae        | *Trifolium cheranganiense* J.B. Gillett                                   |
| Hypericaceae    | *Hypericum kiboense* Oliv.                                                |
| Leguminosae     | *Galega lindblomii* (Harms) J.B. Gillett                                   |
| Malvaceae       | *Abutilon mauritianum* (Jacq.) Medik.                                     |
| Orchidaceae     | *Diaphananthe montana* (Piers) P.J. Cribb & J. Stewart, *Habenaria altior* Rendle, *Polytachya bella* Summerh. |
| Poaceae         | *Calamagrostis hedbergii* Melderis                                        |
| Ranunculaceae   | *Delphinium macrocentrum* Oliv.                                           |
| Rosaceae        | *Rubus scheffleri* Engl.                                                  |
| Rubiaceae       | *Galium kenyatum* Verdc. *Spermacoce minutiflora* (K. Schum.) Verdc.     |
| Vitaceae        | *Cyphostemma cyphopetalum* (Fresen.) Desc. ex Wild & R.B. Drumm.         |

**Exotic species**

A total of 47 species of exotic plants, belonging to 42 genera and 21 families, were realised from Cherangani hills (Table 5). Introduced, cultivated or naturalised species represent 3.62% of the total species of Cherangani hills. The top 4 exotic plant families include: Asteraceae (12 species), Fabaceae (5), Solanaceae (4) and Lamiaceae (3). Out of the 48 plant species introduced, herbs have a higher percentage 63% (30), followed by shrubs 24% (11) and then trees 13% (6). Most of the species have been introduced from South America (14), North America (11), Mexico (10), Central America (5), South Asia (5) and from other regions below 4.

**New records**

In the recent years, investigation researchers from Kenya and China have found many new species and several new records in Kenya, including, *Sedum keniense* (Crassulaceae) (Zhou et al. 2016a), *Zehneria subcoraceae* (Cucurbitaceae) (Zhou et al. 2016b), *Z. longiflora* (Cucurbitaceae) (Wei et al. 2017), *Cissampelos keniensis* (Menispermaceae) (Zhou et al. 2017b) and *Adenia angulosa* (Ngumbau et al. 2017). So far, no new species from this region has been found, although, *Parastriga alectroides* (Scrophulariaceae), is recorded for the first time in Kenya, particularly in Cherangani hills. An updated description, comparisons with closely related species and revised conservation status for this species has been described.
Table 5. The exotic plants of Cherangani hills.

| Species | Growth Habit | Family | Regions of origin |
|---------|--------------|--------|-------------------|
| Acanthospermum glabratum (DC.) Wild | Herb | Asteraceae | South America |
| Ageratina adenophora (Spreng.) R.M. King & H. Rob. | Herb | Asteraceae | Mexico and South America |
| Brassica rapa L. | Herb | Brassicaceae | North America |
| Bryophyllum proliferum Bowie ex Hook. | Shrub | Crassulaceae | Madagascar |
| Caesalpinia decapetala (Roth) Alston | Shrub | Fabaceae | India |
| Ceratonia aurantiacaum Lindl. | Shrub | Solanaceae | North and South America |
| Coneyza boranensis (S. Moore) Cufod. | Herb | Asteraceae | North America and East Asia |
| Cupressus lusitanica Mill. | Tree | Cupressaceae | North America |
| Cuscuta campestris Yunck. | Climber | Convolvulaceae | North America |
| Daturna stramonium L. | Shrub | Solanaceae | Mexico |
| Desmodium adscendens (Sw.) DC. | Herb | Fabaceae | South America |
| Desmodium uncinatum (Jacq.) DC. | Shrub | Fabaceae | South Africa |
| Eriogon bonariensis L. | Herb | Asteraceae | South America |
| Eucalyptus saligna | Tree | Myrtaceae | Australia |
| Euphoria hirta L. | Herb | Euphorbiaceae | North America |
| Galinsoga parviflora Cav. | Herb | Asteraceae | Central and South America |
| Gomphocarpus physocarpus E. Mey. | Herb | Apocynaceae | Australia |
| Grevillea robusta A.Cunn. ex R. Br. | Tree | Proteaceae | Australia |
| Hyptis pectinata (L.) Poit. | Herb | Lamiaceae | Central America |
| Kalanchoe prolifera (Bowie ex Hook.) | Shrub | Crassulaceae | Madagascar |
| Lantana camara L. | Shrub | Verbenaceae | South America |
| Lantana trifolia L. | Shrub | Verbenaceae | North America |
| Oxalis latifolia Kunth | Herb | Oxalidaceae | Mexico |
| Passiflora edulis Sims | Climber | Passifloraceae | North America |
| Passiflora subgelata Ortega | Climber | Passifloraceae | Mexico and Central America |
| Persea americana Mill. | Tree | Lauraceae | Mexico and South America |
| Physalis peruviana L. | Herb | Solanaceae | South America |
| Phytoleca octandra L. | Shrub | Phytolaccaceae | Mexico and Central America |
| Pinus patula Schiede ex Schidl. | Tree | Pinaceae | Mexico |
| Plectranthus barbatus Andrews | Shrub | Lamiaceae | South Africa |
| Psidium guajava L. | Tree | Myrtaceae | Central and South America |
| Ricitus communis L. | Herb | Euphorbiaceae | India |
| Rubus niveus Thunb. | Shrub | Rosaceae | South Asia |
| Rubus rosifolius Sm. | Herb | Rosaceae | South Asia |
| Rumex acetosella L. | Herb | Polygonaceae | South Asia |
| Salvia lecanthia Cav. | Herb | Lamiaceae | Mexico |
| Schkuhria pinnata (Lam.) Kuntze | Herb | Asteraceae | South America |
| Senna septemtrionalis (Viv.) H.S. Irwin & Barneby | Shrub | Fabaceae | Mexico and Central America |
| Senna spectabilis (DC.) H.S. Irwin & Barneby | Shrub | Fabaceae | Mexico and Central America |
| Sigesbeckia orientalis L. | Herb | Asteraceae | Australia |
| Solanum mauritianum Scop. | Shrub | Solanaceae | South America |
| Sonchus oleraceus (L.) L. | Herb | Asteraceae | Europe and West Asia |
| Togeetes minuta L.. | Herb | Asteraceae | South America |
| Tithonia diversifolia (Hems.) A. Gray | Herb | Asteraceae | Mexico & Central America |
| Tridax procumbens (L.) L. | Herb | Asteraceae | West Africa |
| Xanthium strumarium L. | Herb | Asteraceae | North America |
Conclusion

Efforts to ensure the conservation of Cherangani forest vegetation habitat should be prioritised with much emphasis on the endangered, rare or endemic species, according to the checklist result. The adopted approach in these studies may help to focus on certain species and the setting of research and conservation priorities. The high proportion of Cherangani endemic species and the geographic rarity component of the flora associated with that of Mount Kenya and Mount Elgon plants, are aspects that makes these habitats interesting. Cherangani hills have not been inventoried exhaustively, including all of its 12 forest blocks. Our study provides the baseline data for further studies on the invasion process and on the patterns of biodiversity. More study approaches may also contribute to the identification of species which are threatened by anthropogenic impacts and therefore require protection. Community-based forest conservation is also suggested to ensure sustainable utilisation of these forests.

Checklist

The following lists of species include references to the elevation, and where metres are stated, this means metres above sea level. EA means the East African Herbarium, Nairobi, Kenya; HIB means the Herbarium of Wuhan Botanical Garden, Wuhan, China.

Part 1 Lycophytes

F1. Lycopodiaceae
2 Genera, 4 Species

*Huperzia dacrydioides* (Baker) Pic. Serm. Habit: Epiphyte. Habitat: Montane forest, 2000–2500 m. Vouchers: SAJIT 006813 (EA, HIB), FOKP 10913 & 11707 (EA), Mabuni 707 (EA), Evans 811 (EA).

*Huperzia ophioglossoides* (Lam.) Rothm. Habit: Epiphyte. Habitat: Wet forest and montane forest, 1500–2500 m. Vouchers: SAJIT 007111 (EA, HIB), Burtt 1837 & 1838 (EA).

*Huperzia saururus* (Lam.) Travis. Habit: Epiphyte. Habitat: Moorland, 2550–3500 m. Voucher: Mabberley & McCall 185 (EA).

*Lycopodium clavatum* L. Habit: Herb. Habitat: Montane & bamboo zone, 2000–2800 m. Vouchers: SAJIT 006821 (EA, HIB), Mabberley & McCall 42 (EA).

F2. Selaginellaceae
1 Genus, 1 Species

*Selaginella abyssinica* Spring. Habit: Herb. Habitat: Often moist rock crevices, 1450–2300 m. Voucher: Agnew 5167 (EA).
Part 2 Monilophytes

F3. Marattiaceae
1 Genus, 1 Species

Marattia fraxinea Sm. Habit: Herb. Habitat: Montane forest, 1500–2300 m. Voucher: FOKP 1119 (EA, HIB).

F4. Hymenophyllaceae
1 Genus, 1 Species

Crepidomanes melanotrichum (Schltdl.) J.P. Roux Habit: Epiphyte. Habitat: Wet forest on rocks, 1460–2570 m. Voucher: Thulin & Tidigs 55 (EA).

F5. Anemiaceae
1 Genus, 1 Species

Mohria caffrorum (L.) Desv. Habit: Herb. Habitat: Rock crevices, 1800–2500 m. Voucher: Faden 824 (EA).

F6. Cyatheaceae
1 Genus, 1 Species

Cyathea manniana Hook. Habit: Tree. Habitat: Moist montane forest, in dense shade along streams, 1500–2500 m. Voucher: Mabberley 19 (EA).

F7. Pteridaceae
5 Genera, 10 Species

Adiantum poiretii Wikstr. Habit: Herb. Habitat: Dry montane forest, ericaceous zone, 100–3000 m. Vouchers: FOKP 1709 & 1077 (EA, HIB).

Cheilanthes farinosa (Forssk.) Kauf. Habit: Herb. Habitat: Bamboo and moorland zone, 1450–3000 m. Vouchers: SAJIT 004834 (EA, HIB), Mabberley & McCall 240 (EA).

Cheilanthes bergiana Schltdl. Habit: Herb. Habitat: Moist shaded river bank, 1600–2300 m. Voucher: FOKP 1721 (EA, HIB).

Cheilanthes bergiana Schltdl. Habit: Herb. Habitat: Bamboo and moorland zone, 1450–3000 m. Voucher: FOKP 1721 (EA, HIB).

Cheilanthes quadripinnata Kuhn Habit: Herb. Habitat: Moist montane forest, bamboo zone, 1275–2750 m. Vouchers: FOKP 1090 (EA, HIB), Tweedie 3378 (EA).

Pteris catoptera Kunze Habit: Herb. Habitat: Forest swamp extending to bamboo zones, 1000–3050 m. Voucher: SAJIT 007091 (EA, HIB).

Pteris cretica L. Habit: Herb. Habitat: Dry montane forest, 1500–2700 m. Vouchers: SAJIT 004775 (EA, HIB), FOKP 1003 (EA, HIB), Thulin 56 (EA).
**Pteris dentata** Forssk. Habit: Herb. Habitat: Upland forest, moist areas, 1000–3000 m. Vouchers: FOKP 1871 & 11367 (EA, HIB), Mbuni 415 (EA).

**Pteris vittata** L. Habit: Herb. Habitat: Near streams in dense shade, 1250–1600 m. Voucher: Tweedie 2960 (EA).

**Pteris pteridioides** (Hook.) Ballard Habit: Herb. Habitat: Montane forest, 1550–2100 m. Voucher: FOKP 1726 (EA, HIB).

**F8. Aspleniaceae**
1 Genus, 10 Species

**Asplenium abyssinicum** Fée Habit: Herb. Habitat: Shade areas and bamboo zone, 1800–3500 m. Vouchers: Evans 812 (EA).

**Asplenium aethiopicum** (Burm. f.) Bech. Habit: Epiphyte. Habitat: Moist bushland, 1400–3600 m. Voucher: Part II Botany 221 (EA).

**Asplenium bugoiense** Hieron. Habit: Herb. Habitat: Moist montane forest, 2000–2700 m. Voucher: FOKP 1118 (EA, HIB).

**Asplenium cordatum** (Thunb.) Sw. Habit: Herb. Habitat: Moist, bush land, woodland, 1530–1830 m. Voucher: SAJIT Z0067 (EA, HIB).

**Asplenium erectum** Bory ex Willd. Habit: Herb. Habitat: Moist forest up to bamboo zone, 1300–2800 m. Voucher: FOKP 1122 (EA, HIB).

**Asplenium linckii** Kuhn Habit: Herb. Habitat: Moist forest up to bamboo zone, 1750–2500m. Voucher: FOKP 1896 (EA, HIB).

**Asplenium loxoscapoides** Baker Habit: Herb. Habitat: Dense shade, 2000–2700m. Voucher: SAJIT 007117 (EA, HIB).

**Asplenium monanthes** L. Habit: Herb. Habitat: Bamboo zone, 2100–3400 m. Vouchers: FOKP 1078 (EA, HIB), Part II Botany 19 (EA).

**Asplenium protensum** Schrad. Habit: Epiphyte. Habitat: Moist montane forest, 1400–2900 m. Vouchers: SAJIT 004779 (EA, HIB), Part II Botany 18 (EA).

**Asplenium theciferum** (Kunth) Mett. Habit: Epiphyte. Habitat: Moist montane forest, 850–2900 m. Vouchers: FOKP 11642 (EA, HIB), Mbuni 642 (EA), Part II Botany 20 (EA).

**F9. Athyriaceae**
1 Genus, 1 Species

**Deparia boryana** (Willd.) M. Kato Habit: Herb. Habitat: Moist forest, 1460–2550 m. Voucher: FOKP 1893 (EA, HIB).

**F10. Dryopteridaceae**
4 Genera, 9 Species

**Arachniodes webbiana** (A. Braun) Schelpe. Habit: Herb. Habitat: Wet forest, 1550–2600 m. Voucher: SAJIT 007087 (EA, HIB).
*Dryopteris pentheri* (Krasser) C. Chr. Habit: Herb. Habitat: Moist forest, 1550–2500 m. Voucher: Tweedie 2681 (EA).

*Dryopteris schimperiana* (Hochst.) C. Chr. Habit: Herb. Habitat: Riverine forest, 2750–3220 m. Voucher: Tweedie 2844 (EA).

*Elaphoglossum acrostichoides* (Hook. & Grev.) Schelpe Habit: Epiphyte. Habitat: Moist montane forest, 1750–2600 m. Voucher: Tweedie 2684 (EA).

*Elaphoglossum deckenii* (Kuhn) C. Chr Habit: Epiphyte. Habitat: Moist montane forest and bamboo zone, 2200–3300 m. Voucher: Beentje 3382 (EA).

*Polystichum fuscopaleaceum* Alston Habit: Herb. Habitat: Moist montane forest, along streams, 2100–2800 m. Voucher: Faden & Evans 810 (EA).

*Polystichum sinense* (Christ) Christ. Habit: Herb. Habitat: Moist montane forest and Bamboo zone up to moorland, 2430–3500 m. Voucher: FOKP 1004 (EA, HIB).

*Polystichum setiferum* (Forssk.) Moore ex Woyn. Habit: Herb. Habitat: Moist montane forest, up to 3500 m. Voucher: FOKP 11382 (EA, HIB).

*Polystichum volkensii* C. Chr. Habit: Herb. Habitat: Moist montane forest, up to 3300 m. Voucher: FOKP 1004 (EA, HIB).

**F2. Tectariaceae**

1 Genus, 1 Species

*Tectaria gemmifera* (Fée) Alston Habit: Herb. Habitat: Common in montane forest, 1200–2500 m. Voucher: Tweedie 2702 (EA).

**F12. Polypodiaceae**

4 Genera, 5 Species

*Lepisorus excavatus* (Bory ex Willd.) Ching Habit: Epiphyte. Habitat: Montane forest, ericaceous forest, 3150–3350 m. Vouchers: SAJIT 004784 & 007056 (EA, HIB), Thulin & Tidigs 99 & 233 (EA), FOKP 1743 (EA, HIB).

*Drynaria volkensii* Hieron. Habit: Epiphyte. Habitat: Moist montane forest, 1600–2300 m. Voucher: Tweedie 2799 (EA).

*Loxogramme abyssinica* (Baker) M.G. Price Habit: Epiphyte. Habitat: Dry and wet forests, 1000–3000 m. Vouchers: FOKP 11701 (EA, HIB), Mbuni 701 (EA).

*Pleopeltis excavata* T. Moore Habit: Epiphyte. Habitat: Moist, riverine forest, 1000–3500 m. Voucher: FOKP 1743 (EA, HIB).

*Pleopeltis macrocarpa* (Bory ex Willd.) Kaulf. Habit: Epiphyte. Habitat: Moist forest, 1100–3550 m. Vouchers: Verdcourt et al. 2430 (EA), Beentje 3359 (EA).
Part 3 Gymnosperms

F13. Podocarpaceae
2 Genera, 3 Species

*Afrocarpus falcatus* (Thunb.) C.N. Page. Habit: Tree. Habitat: Upland forest, 1250–2700 m. Voucher: SAJIT 007061 (EA, HIB).

*Afrocarpus gracilior* (Pilg.) C.N. Page. Habit: Tree. Habitat: Upland forest, 1500–3300 m. Voucher: FOKP 1797 (EA, HIB).

*Podocarpus latifolius* (Thumb.) R. Br. ex Mirb. Habit: Tree. Habitat: Wet forest with bamboo, *Hagenia*, *Juniperus* and *Olea* forest, 1500–3300 m. Vouchers: FOKP 11611 & 11770 (EA, HIB), Mbuni 592 & 611 (EA).

F14. Cupressaceae
1 Genus, 1 Species

*Juniperus procera* Hochst. ex Endl. Habit: Tree. Habitat: Drier upland forest, 1050–2950 m. Vouchers: FOKP 1799 & 11272 (EA, HIB), Mbuni 08 (EA), Malombe & Mlangeni 931 (EA).

Part 4 Angiosperms

F15. Piperaceae
2 Genera, 4 Species

*Peperomia abyssinica* Miq. Habit: Herb. Habitat: Upland forest, 1600–2950 m. Vouchers: FOKP 11389 & 11547 (EA, HIB), Mbuni 284 (EA), Hepper & Field 5034 (EA).

*Peperomia retusa* (L. f.) A. Dietr. Habit: Epiphyte. Habitat: Wet upland forest, 1500–2400 m. Vouchers: SAJIT 006889 (EA, HIB), FOKP 10989 (EA, HIB).

*Peperomia tetraphylla* (G. Forst.) Hook. & Arn. Habit: Epiphyte. Habitat: Wet upland forest, 1400–2400 m. Vouchers: SAJIT 004816 & 005065 (EA, HIB), FOKP 1212 (EA, HIB).

*Piper capense* L. f. Habit: Herb. Habitat: Wet highland forest, 1200–2700 m. Voucher: FOKP 11416 (EA), Mbuni 152 (EA).

F16. Annonaceae
1 Genus, 2 Species

*Uvaria leptoclada*on Oliv. Habit: Shrub. Habitat: Bushland, 0–1900 m. Vouchers: FOKP 11447 (EA), Mbuni 183 (EA).

*Uvaria scheffleri* Diels Habit: Liana. Habitat: Riverine, woodland, bushland, 900–1800 m. Vouchers: FOKP 11469 (EA), Mbuni 205 (EA).
F17. Monimiaceae
1 Genus, 1 Species

*Xymalos monospora* (Harv.) Baill. Habit: Tree. Habitat: Moist forest, 1400–2700 m. Vouchers: SAJIT 004857 (EA, HIB), FOKP 11362 & 11372 (EA, HIB), Mbuni 108 & 616 (EA), Dale 912 (EA), Friis et al. 2514 (EA).

F18. Lauraceae
1 Genus, 1 Species

*Ocotea kenyensis* (Chiov.) Robyns & R. Wilczek Habit: Tree. Habitat: Moist forest, 1700–2600 m. Voucher: FOKP 1808 (EA, HIB).

F19. Araceae
2 Genera, 3 Species

*Arisaema enneaphyllum* Hochst. ex A. Rich. Habit: Herb. Habitat: Montane forest edge, 2300–2900 m. Voucher: SAJIT 004859 (EA, HIB).
*Arisaema mildbraedii* Engl. Habit: Herb. Habitat: Wet montane forest edge, 1400–2620 m. Vouchers: SAJIT 006909 (EA, HIB), FOKP 11009 (EA, HIB).
*Culcasia falcifolia* Engl. Habit: Herb. Habitat: Marshy forest edges in high rain forest areas, 1370–2135 m. Vouchers: SAJIT 004753 (EA, HIB), FOKP 737 & 1304 (EA, HIB).

F20. Potamogetonaceae
1 Genus, 1 Species

*Potamogeton schweinfurthii* A. Benn. Habit: Herb. Habitat: Artificial ponds, 1800–2000 m. Voucher: SAJIT 007071 (EA, HIB).

F21. Dioscoreaceae
1 Genus, 2 species

*Dioscorea quartiniana* A. Rich. Habit: Climber. Habitat: Wooded grassland and bushland, 0–2300 m. Vouchers: SAJIT 005067 (EA, HIB), FOKP 11627 & 11765 (EA, HIB), Mbuni 587 & 627 (EA).
*Dioscorea schimperiana* Hochst. ex Kunth Habit: Climber. Habitat: Wooded grassland, 1600–2130 m. Vouchers: Waweru 32 (EA), Nappier 4150 (EA).

F22. Colchicaceae
3 Genera, 3 species

*Gloriosa superba* L. Habit: Herb. Habitat: Bushland, up to 2500 m. Vouchers: FOKP 11479 & 11694 (EA, HIB), Mbuni 215 & 694 (EA).
Androcymbium melanthioides Willd. Habit: Shrub. Habitat: Bushland, 1530–2680 m. Voucher: Blake 3090 (EA).

Wurmbea tenuis (Hook. f.) Baker Habit: Herb. Habitat: Grassland, 2130–2750 m. Voucher: Stewart 1002 (EA).

F23. Smilacaceae
1 Genus, 1 Species

Smilax anceps Willd Habit: Climber. Habitat: Wet forest, 10–2800 m. Voucher: FOKP 1071 (EA).

F24. Orchidaceae
23 Genera, 65 Species

Aerangis thomsonii (Rolfe) Schltr. Habit: Epiphyte. Habitat: Highland forest, on trunks of trees, above 2300 m. Vouchers: FOKP 11634 (EA), Mbuni 634 (EA).

Ancistrorhynchus clandestinus (Lindl.) Schltr. Habit: Epiphyte. Habitat: On tree branches, 1400–2500 m. Voucher: FOKP 11392 (EA, HIB).

Angraecum erectum Summerh. Habit: Epiphyte. Habitat: Drier forest, 1350–2000 m. Vouchers: FOKP 11303 & 11305 (EA, HIB).

Angraecum thomsonii Rolfe Habit: Epiphyte. Habitat: Shady forest, 1800–2500 m. Voucher: SAJIT 007074 (EA, HIB).

Ansellia africana Lindl. Habit: Epiphyte. Habitat: Amongst tree roots, 0–2350 m. Vouchers: FOKP 11307 (EA, HIB), Mortimer 210 (EA), Webster 9023 (EA).

Brachycorythis ovata Lindl. Habit: Epiphyte. Habitat: Grassland, 2000–2550 m. Vouchers: Napier 1908 (EA), Maas 4691 (EA).

Bulbophyllum bequaertii De Wild. Habit: Epiphyte. Habitat: Shady forest, 1700–2350 m. Voucher: SAJIT 005098 (EA, HIB).

Bulbophyllum cochleatum Lindl. Habit: Epiphyte. Habitat: Shady forest, 1450–2000 m. Voucher: FOKP 11263 (EA, HIB).

Calanthe sylvatica (Thouars) Lindl. Habit: Herb. Habitat: Shady forest, 900–2750 m. Voucher: Mabberley 486 (EA).

Cribbia brachyceras (Summerh.) Sengha Habit: Epiphyte. Habitat: Warm forest near river streams, 1700–2000 m. Voucher: SAJIT 006888 (EA, HIB).

Cynorkis anacamptoides Kraenzl. Habit: Herb. Habitat: Upland moorland and grassland, 2250–3350 m. Vouchers: Dale 3444 (EA), Thulin & Tidigs 190 (EA).

Cynorkis kassneriana Kraenzl Habit: Epiphyte. Habitat: Upland rain forest, on mossy banks, 1600–2580 m. Voucher: Kirk 9418 (EA)

Diaphananthe rohrii (Rchb. f.) Summerh. Habit: Epiphyte. Habitat: Dry highland forest, above 2000 m. Voucher: FOKP 11264 (EA, HIB).

Diaphananthe montana (Piers) P.J. Cribb & J. Stewart Habit: Epiphyte. Habitat: Bushland, roots on moss and lichen, 2300–2750 m. Voucher: Stewart 1010 (EA).
**Diaphananthe pulchella** Summerh. Habit: Epiphyte. Habitat: Dry forest, 1500–2330 m. Voucher: FOKP 11260 (EA, HIB).

**Disa aconitoides subsp. goetzeana** (Kraenzl.) H.P. Linder Habit: Herb. Habitat: Grassland, 2300–2550 m. Voucher: Webster 9036 (EA).

**Disa fragrans subsp. deckenii** (Rchb. f.) H.P. Linder Habit: Herb. Habitat: Grassland 2300–3350 m. Vouchers: Thulín & Tidigs 205 (EA), Dale 3251 (EA).

**Disa erubescens** Rendle Habit: Herb. Habitat: Short upland grass, 1350–2550 m. Vouchers: Lucas 161 (EA), Blake 2128 (EA).

**Disa concinna** N.E. Br. Habit: Herb. Habitat: Grassland, 1450–2800 m. Voucher: Napier 1938 (EA).

**Disa decknii** Reichb. f. Habit: Herb. Habitat: Grassland, 2100–3300 m. Voucher: Dale 3251 (EA).

**Disa hircicornis** Rchb. f. Habit: Herb. Habitat: Wet grassland and swamps, often near streams, 1700–2750 m. Voucher: Dale 3446 (EA).

**Disa stairsii** Kraenzl. Habit: Herb. Habitat: Alpine grassland, Moorland and swamps, 2100–3550 m. Vouchers: Dale 3267 (EA), Thulín & Tidigs 61 (EA).

**Disperis kilimanjarica** Rendle Habit: Herb. Habitat: Woodland, 2300–3000 m. Voucher: Mabberley & McCall 13 (EA).

**Disperis nemorosa** Rendle Habit: Herb. Habitat: Mossy areas & leaf litter, 1800–2850 m. Voucher: Dale 34431 (EA).

**Epipactis africana** Rendle Habit: Herb. Habitat: River banks, 2330–2830 m. Voucher: Mabberley 221 (EA).

**Eulophia borsfallii** (Bateman) Summerh. Habit: Herb. Habitat: Swamps and river edges, 1500–2700 m. Vouchers: Symes 525 (EA), Webster 9040 (EA).

**Eulophia latilabris** Summerh. Habit: Herb. Habitat: Swampy grassland, 1500–2200 m. Voucher: FOKP 11261 (EA, HIB).

**Eulophia montis-elgonis** Summerh. Habit: Herb. Habitat: Swampy grassland, 2000–2350 m. Vouchers: Blake 2016 (EA), Webster 9043 (EA).

**Eulophia streptopetala** Lindl. Habit: Herb. Habitat: Grassland, 1350–2330 m. Voucher: SAJIT 007076 (EA, HIB).

**Eulophia taitensis** Pfennig & P.J. Cribb Habit: Herb. Habitat: Grassland, 1000–2500 m. Voucher: Archer 490 (EA).

**Eulophia petersonii** (Rchb. f.) Rchb. f. Habit: Herb. Habitat: Grassland, Growing in sandy soil amongst Sansevieria, 0–2000 m. Vouchers: Tweedie 68 & 139 (EA).

**Eulophia pyrophila** (Rchb. f.) Summerh. Habit: Herb. Habitat: Grassland, 1000–2730 m. Voucher: Webster 9045 (EA).

**Habenaria altior** Rendle Habit: Herb. Habitat: Grassland, near streams, 1800–3500 m. Voucher: Dale 3447 (EA).

**Habenaria cirrhata** (Lindl.) Rchb. f. Habit: Herb. Habitat: Grassland, Scattered bushes, 300–1050 m. Voucher: Linday 157 (EA).

**Habenaria clavata** (Lindl.) Rchb. f. Habit: Herb. Habitat: Grassland, 1000–2730 m. Vouchers: Jex–Blake 2127 (EA), Agnew et al. 10580 (EA).
Habenaria malacophylla Rchb. f. Habit: Herb. Habitat: Upland rain, grassland forest, 1350–2700 m. Vouchers: SAJIT 005091 (EA, HIB), FOKP 11645 (EA, HIB), Mbuni 645 (EA), Part II Botany 43 (EA).

Habenaria walleri Rchb. f. Habit: Herb. Habitat: Swampy grassland, 1200–2300 m. Voucher: Webster 9027 (EA).

Habenaria macruroides Summerh. Habit: Herb. Habitat: Open bushland, 1850–2200 m. Voucher: Tweedie 456 (EA).

Habenaria holubii Rolfe Habit: Herb. Habitat: Swamp grassland, 1200–2300 m. Voucher: Blake 2127 (EA).

Holothrix elgonensis Summerh. Habit: Herb. Habitat: Grassland, 3300–3500 m. Voucher: FOKP 11313 (EA, HIB).

Holothrix bronquiantiana Rchb. f. Habit: Herb. Habitat: Grassland, 2300–3200 m. Vouchers: Daicin 3442 (EA), Thulin & Tidigs 150 (EA).

Holothrix pentadactyla (Summerh.) Summerh. Habit: Herb. Habitat: Upland grassland, open rocky ground, 2500–3500 m. Vouchers: Bally 5706 (EA), Townsend 2345 (EA), Jex–Blake 5706 (EA), Sharpe 5706 (EA), Stewart 1005 (EA).

Liparis deistelii Schltr. Habit: Herb. Habitat: Mossy banks, tree trunks, 2000–2700 m. Vouchers: SAJIT 005094 (EA, HIB), Stewart 1099 (EA).

Polystachya bella Summerh. Habit: Epiphyte. Habitat: High up in forest trees, 1800–2300 m. Vouchers: FOKP 11420 (EA), Mbuni 156 (EA).

Polystachya bennettiana Rchb. f. Habit: Epiphyte. Habitat: Drier forest, 1650–2330 m. Vouchers: Webster 1981 & 9030 (EA).

Polystachya bicarinata Rendle Habit: Epiphyte. Habitat: On river streams, 2350–2830 m. Vouchers: SAJIT 004826 & 005099 (EA, HIB), FOKP 11259 & 1012 (EA, HIB), Van Someren 8650 (EA).

Polystachya campyloglossa Rolfe Habit: Epiphyte. Habitat: Highland forest, 1700–3000 m. Voucher: FOKP 11263 (EA, HIB).

Polystachya culturiformis (Thouars) Lindl. ex Spreng. Habit: Epiphyte. Habitat: River banks, 330–2700 m. Vouchers: SAJIT 005095 (EA, HIB), Webster 9029 (EA).

Polystachya eurychila Summerh. Habit: Epiphyte. Habitat: On rocks, 1830–2300 m. Voucher: Kirk & Irwin 50 (EA).

Polystachya spatella Kraenzl. Habit: Epiphyte. Habitat: Highland forest, 2000–2830 m. Vouchers: FOKP 11646 (EA), Mbuni 646 (EA), Friis & Hansen 2510 (EA).

Polystachya stricta Rolfe Habit: Epiphyte. Habitat: Highland forest, 2000–2830 m. Voucher: Webster 9030 (EA).

Polystachya tenuissima Kraenzl. Habit: Epiphyte. Habitat: Highland forests, 1700–2500 m. Vouchers: SAJIT 005096 (EA, HIB), Tweedie 449 (EA).

Roeperocharis bennettiana Rchb. f. Habit: Epiphyte. Habitat: Swamps, 2300–2800 m. Voucher: Dale 3445 (EA).

Satyrium carsonii Rolfe Habit: Herb. Habitat: Open grassland, 2000–2330 m, Elgeyo open grassland. Vouchers: Napier 2126 (EA), Jex–Blake 2126 (EA).

Satyrium coriophoroides A. Rich. Habit: Herb. Habitat: Grassland, 1700–2800 m. Vouchers: Symes 95 (EA), Tweedie 1589 (EA).
Satyrium crassicaule Rendle Habit: Herb. Habitat: Swamps, 1850–3300 m. Voucher: Webster 9034 (EA).

Satyrium fimbriatum Summerh. Habit: Herb. Habitat: Grassland, 2000–3300 m. Vouchers: Stewart 1000 (EA), Dale 3269 (EA), Lucas 163 (EA).

Satyrium sceptrum Schltr. Habit: Herb. Habitat: Grassland, 1700–2800 m. Voucher: Thulin 144 (EA).

Satyrium schimperi Hochst. ex A. Rich. Habit: Herb. Habitat: Grassland, 2300–3200 m. Vouchers: Irwin 426 (EA), Mainwaring 61 (EA).

Satyrium yunnanense Rolfe Habit: Herb. Habitat: Grassland, 1700–2800 m. Voucher: FOKP 11265 (EA, HIB).

Stolzia repens (Rolfe) Summerh. Habit: Epiphyte. Habitat: Riverine forest, 1950–2900 m. Voucher: FOKP 1094 (EA).

Tridactyle anthomaniaca (Rchb. f.) Summerh. Habit: Epiphyte. Habitat: Warm forest, above 1650 m. Voucher: SAJIT 004791 (EA, HIB).

Tridactyle furcistripes Summerh. Habit: Epiphyte. Habitat: highland forest, 2300–3100 m. Vouchers: Bally 2538 (EA), Tweedie 2173 (EA), Beentje 3055 (EA).

Tridactyle nigrescens Summerh. Habit: Epiphyte. Habitat: Riverine, Woodland, 1150–2200 m. Voucher: Jackson & Tweedie 3492 (EA).

Tridactyle scottellii (Rendle) Schltr. Habit: Epiphyte. Habitat: Rocky grassland and highland forest, 2230–3000 m. Voucher: Beentje 3050 (EA).

F25. Hypoxidaceae
I Genus, 5 species

Hypoxis angustifolia Lam. Habit: Herb. Habitat: Grassland in upland, 1300–3000 m. Vouchers: Napier 1907 (EA), Symes 44 & 286 (EA).

Hypoxis kilimanjarica Baker Habit: Herb. Habitat: Grassland, 2900–3250 m. Voucher: Thulin & Tidigs 201 (EA).

Hypoxis obtusa Burch. ex Ker Gawl. Habit: Herb. Habitat: Burnt grassland, 1800–2500 m. Vouchers: Agnew 10484 (EA), Napier 1942 (EA), Symes 287 (EA), Webster 9022 (EA).

Hypoxis urceolata Nel Habit: Herb. Habitat: Grassland, 1300–3000 m. Voucher: Symes 51 (EA).

Hypoxis goetzei Harms Habit: Herb. Habitat: Burnt grassland, 1830–1920 m. Voucher: Symes 285 (EA).

F26. Iridaceae
7 Genera, 14 Species

Aristea abyssinica Pax. Habit: Herb. Habitat: Wet grassland, 1700–3500 m. Voucher: Tweedie 2985 (EA).

Aristea abyssinica Pax Habit: Herb. Habitat: Grassland, 2200–2850 m. Voucher: Blake 3108 (EA).
Aristea cognata N.E. Br. ex Weim. Habit: Herb. Habitat: Grassland, 2200–2850 m. Voucher: Symes 155 (EA).

Dierama cupuliflorum Klatt Habit: Herb. Habitat: Grassland, 2400–3500 m. Voucher: Thulin & Tidings 207 (EA).

Dierama pendulum (L. f.) Baker Habit: Herb. Habitat: Grassland, 2400–3500 m. Voucher: Lucas 216 (EA).

Freesia laxa (Thunb.) Goldblatt & J.C. Manning Habit: Herb. Habitat: Rocky grassland, 1700–3500 m. Voucher: Lucas 188 (EA).

Gladiolus dalenii Van Geel Habit: Herb. Habitat: Damp upland grassland, 1200–3100 m. Voucher: Maas 4690 (EA).

Gladiolus dichrous (Bullock) Goldblatt Habit: Herb. Habitat: Stony highland grassland, 2592–3050 m. Voucher: Mabberley & MacCall 151 (EA).

Gladiolus schweinfurthii (Baker) Goldblatt & M.P. de Vos Habit: Herb. Habitat: Montane grassland, 1830–2290 m. Voucher: Dale 3449 (EA).

Gladiolus watsonioides Baker. Habit: Herb. Habitat: Bamboo and alpine zone, 2400–3550 m. Voucher: FOKP 1812 (EA, HIB).

Hesperantha petitiana (A. Rich.) Baker Habit: Herb. Habitat: Subalpine and alpine grassland, 1520–3500 m. Voucher: Thulin & Tidings 216 (EA).

Morea thomsonii Baker Habit: Herb. Habitat: Stony grassland, 1400–1920 m. Voucher: Symes 296 (EA).

Romulea camerooniana Baker Habit: Herb. Habitat: Subalpine, 1520–3500 m. Voucher: Maas 6040 (EA).

Romulea fischeri Pax Habit: Herb. Habitat: Wet upland, 1520–3500 m. Voucher: Thulin & Tidings 110 (EA), Dowson 619 (EA).

F27. Xanthorrhoeaceae
2 Genera, 5 species

Aloe cheranganiensis S. Carter & Brandham Habit: Shrub. Habitat: Dry scrub, bushed grassland when open, 1200–1900 m. Voucher: Brandham 1727 (EA).

Aloe dawei A. Berger Habit: Shrub. Habitat: Rocky bushland, 1830–2120 m. Voucher: FOKP 11326 (EA, HIB).

Aloe penduliflora Baker Habit: Shrub. Habitat: Rocky ground, 2100–2500 m. Vouchers: FOKP 11675 (EA), Mbuni 675 (EA).

Aloe secundiflora Engl. Habit: Shrub. Habitat: Sandy soils in drier areas, 900–1800 m. Vouchers: Spoerry 2 & 14 (EA).

Kniphofia thomsonii Baker Habit: Herb. Habitat: Highland grassland, 1900–3550 m. Vouchers: SAJIT 005116 (EA, HIB), Mabberley & MacCall 251 (EA), Lucas 212 (EA).

F28. Amaryllidaceae
2 Genera, 2 Species

Allium neapolitanum Cirillo Habit: Herb. Habitat: Upland grassland, 1500–2500 m. Vouchers: FOKP 11299 (EA, HIB), Mbuni 035 (EA, HIB).
**Scadoxus multiflorus** (Martyn) Raf. Habit: Herb. Habitat: Rocky places in forest edges, riverine forest, 5–2250 m. Voucher: SAJIT 007081 (EA, HIB).

**F29. Asparagaceae**

5 Genera, 10 Species

*Anthericum angustifolium* Hochst. ex A. Rich. Habit: Herb. Habitat: Grassland, 1980–2450 m. Voucher: Blake 1896 (EA).

*Asparagus africanus* Lam. Habit: Shrub. Habitat: Bushy wooded, 100–2680 m. Voucher: Symes 281 (EA).

*Asparagus falcatus* L. Habit: Climber. Habitat: Upland forest, Woodland, 10–2750 m. Vouchers: FOKP 11699 (EA), Mbuni 699 (EA).

*Asparagus racemosus* Willd. Habit: Climber. Habitat: Drier bushland 1160–2800 m. Vouchers: FOKP 954, 1018, 11288 & 11699 (EA, HIB), Mbuni 024 & 699 (EA), Webster 9000 (EA), Mus 114 (EA).

*Chlorophytum cameronii* (Baker) Kativu Habit: Herb. Habitat: Highland grassland, 1675–2450 m. Voucher: Symes 97 (EA).

*Chlorophytum cameronii* var. *pterocaulon* (Welw. ex Baker) Nordal Habit: Herb. Habitat: Highland grassland, 1675–2450 m. Vouchers: FOKP 11689 (EA), Mbuni 689 (EA), Symes 36 (EA).

*Chlorophytum affine* Baker Habit: Herb. Habitat: Dry bushland, 15–1980 m. Vouchers: Symes 609 (EA), Napier & Tweedie 2119 (EA).

*Dracaena ellenbeckiana* Engl. Habit: Tree. Habitat: Bushland, 1050–1950 m. Voucher: SAJIT 005050 (EA, HIB).

*Dracaena afromontana* Mildbr. Habit: Tree. Habitat: Bamboo forest, 1900–2400 m. Vouchers: FOKP 1070, 11398 & 11522 (EA), Mbuni 134 & 258 (EA), Oteke 97 (EA).

*Ornithogalum gracillimum* R.E. Fr. Habit: Herb. Habitat: Grassland, 1800–2700 m. Voucher: SAJIT 005076 (EA, HIB).

**F30. Commelinaceae**

5 Genera, 11 Species

*Aneilema recurvatum* Faden Habit: Herb. Habitat: Grassland, 700–1300 m. Voucher: Faden 78 (EA).

*Aneilema sebitense* Faden Habit: Herb. Habitat: Woodland, 1500–1550 m. Vouchers: Faden 803A (EA), Mabberley & McCall 88 & 88A (EA).

*Aneilema zebrinum* Chiov. ex Chiarugi. Habit: Herb. Habitat: Woodland, 10–1150 m. Voucher: Faden et al. 888 (EA).

*Cyanotis barbata* D. Don Habit: Herb. Habitat: Grassland, 1650–3200 m. Vouchers: Stewart 1008 (EA), Symes 617 (EA).

*Commelina africana* var. *krebstana* (Kunth) C.B. Clarke Habit: Herb. Habitat: Grassland, 700–2300 m. Voucher: Lye 907 (EA).

*Commelina benghalensis* L. Habit: Herb. Habitat: Grassland, bushland, disturbed habitats, 10–2200 m. Vouchers: FOKP 11415 (EA), Mbuni 151 (EA).
**Commelina foliacea** Chiov. Habit: Herb. Habitat: Grassland, 350–1550 m. Vouchers: Faden 807 (EA), Mabberley & McCall 88 (EA).

**Commelina imberbis** Ehrenb. ex Hassk. Habit: Herb. Habitat: Cultivated ground, disturbed habitat, 1000–1750 m. Voucher: Faden 805 (EA).

**Commelina triangulispatha** Mildbr. Habit: Herb. Habitat: Moist roadside banks, 1650–2300 m. Vouchers: Tweedie 4083 (EA), Faden & Evans 487 (EA).

**Floscopa glomerata** (Willd. ex Schult. & Schult. f.) Hassk. Habit: Herb. Habitat: Standing water in forest, 1650–2200 m. Vouchers: Ivens 1251 (EA), Webster 8995 (EA).

**Murdannia edulis** (Stokes) Faden Habit: Herb. Habitat: Grassland, bushland, 900–1300 m. Voucher: Maas 6373 (EA).

**Eriocaulaceae**
1 Genus, 3 Species

**Eriocaulon abyssinicum** Hochst. Habit: Herb. Habitat: Wet shallow soils, 1650–2730 m. Voucher: SAJIT 005160 (EA, HIB).

**Eriocaulon inyangense** Arw. Habit: Herb. Habitat: Swamps in grassland, around 900 m. Voucher: Townsend 1435 (EA).

**Eriocaulon schimperi** Körn. ex Ruhland Habit: Herb. Habitat: Heath zones, 2440–3100 m. Vouchers: SAJIT 006822 (EA, HIB), FOKP 945, 1133, 1243 & 10922, (EA, HIB), Fries & Hansen 2533 (EA), Rauh 678 (EA).

**Juncaceae**
2 Genera, 5 Species

**Juncus dregeanus** Kunth Habit: Herb. Habitat: Upland and alpine forest, 2900–3300 m. Vouchers: FOKP 1148 (EA, HIB), Bogdan 4991 (EA).

**Juncus effusus** L. Habit: Herb. Habitat: Highland and moorland forest, 1500–3300 m. Voucher: FOKP 1151 (EA, HIB).

**Juncus oxycarpus** E. Mey. ex Kunth Habit: Herb. Habitat: Upland streamsides and alpine seepage zones, 1500–2750 m. Vouchers: FOKP 1241 (EA, HIB), Verdcourt 2435 (EA).

**Luzula abyssinica** Parl. Habit: Herb. Habitat: High forest streamsides and wet alpine, 2000–3500 m. Voucher: Bogdan 10100 (EA).

**Luzula johnstonii** Buchenau Habit: Herb. Habitat: Alpine wet grassland, 2400–3500 m. Vouchers: Thulin & Tidigs 244 (EA), Mabberley 193 (EA).

**Cyperaceae**
9 Genera, 40 Species

**Bulbostylis densa** subsp. **afromontana** (Lye) R.W. Haines Habit: Herb. Habitat: Shallow soils, 1500–3000 m. Voucher: Knight 71 (EA).

**Carex bequaertii** De Wild. Habit: Herb. Habitat: Alpine grassland and montane swamps, 2300–3500 m. Voucher: Thulin & Tidigs 49 (EA).
Carex chlorosaccus C.B. Clarke Habit: Herb. Habitat: Swampy edges, 1500–3300 m. Vouchers: Lye 9125 (EA), Gehrke & Muasya 165 (EA).

Carex erythrorrhiza Boeckeler Habit: Herb. Habitat: Streams, 2500–3500 m. Voucher: Kirk 9887 (EA).

Carex elgonensis Nelmes Habit: Herb. Habitat: Alpine swamps, 1500–3300 m. Voucher: Part II Botany 75 (EA).

Carex johnstonii Boeckeler Habit: Herb. Habitat: High forest edges, 2200–3300 m. Voucher: Thulin & Tidigs 48 (EA).

Carex lycurus K. Schum. ex Engl. Habit: Herb. Habitat: Montane river-sides, 1950–3300 m. Voucher: Thulin 50 (EA).

Carex mannii E.A. Bruce Habit: Herb. Habitat: Montane forest grades, 2200–3300 m. Voucher: Gehrke & Muasya 167 (EA).

Carex monostachya A. Rich. Habit: Herb. Habitat: Disturbed bushland, alpine openings, above 2700 m. Voucher: Kirk 58 (EA).

Carex peregrina Link Habit: Herb. Habitat: Common in alpine around, 2300 m. Voucher: Thulin & Tidigs 112 (EA).

Carex petitiana A. Rich. Habit: Herb. Habitat: Montane forest grades, 2500–3500 m. Voucher: Beentje 212 (EA).

Carex steudneri Boeckeler Habit: Herb. Habitat: Grassland & woodland edges, 2300–3000 m. Voucher: Bogdan 4972 (EA).

Carex simensis Hochst. ex A. Rich. Habit: Herb. Habitat: Alpine grassland, 1900–3500 m. Voucher: Thulin 243 (EA).

Cyperus aterrimus Hochst. ex Steud. Habit: Herb. Habitat: Alpine grassland, 1900–3500 m. Voucher: Ivens 1246 (EA).

Cyperus alternifolius L. Habit: Herb. Habitat: Montane forest, 2200–3300 m. Vouchers: Agnew et al. 10458 (EA), Mus 244 (EA), Mbuni 683 (EA).

Cyperus cyperoides (L.) Kuntze Habit: Herb. Habitat: Montane forest, 1600–3500 m. Voucher: Hanson & Thomasson 57 (EA).

Cyperus distans L. Habit: Herb. Habitat: Temporary water, marshes and ferns up to 2500 m. Voucher: Ivens 1247 (EA).

Cyperus derreilema Steud. Habit: Herb. Habitat: Upland forest and streamsides, 2000–3000 m. Voucher: Ivens 1245 (EA).

Cyperus dichrostachyus Hochst. ex A. Rich. Habit: Herb. Habitat: Highland swamps, 1200–2400 m. Vouchers: SAJIT 004745 (EA, HIB), FOKP 997 & 1152 (EA, HIB).

Cyperus involucratus Rottb. Habit: Herb. Habitat: Upland forest, 1800–3000 m. Voucher: Lugard 2793 (EA).

Cyperus impubes Steud. Habit: Herb. Habitat: Forest shade, 1400–2500 m. Voucher: Maas 4701 (EA).

Cyperus iria L. Habit: Herb. Habitat: Disturbed wet forests, 1000–1500 m. Voucher: Bogdan 5169 (EA).

Cyperus kerstenii Boeckeler Habit: Herb. Habitat: Alpine, Moorland 2500–3500 m. Voucher: Smith et al, 194 (EA).

Cyperus mollipes (C.B. Clarke) K. Schum. Habit: Herb. Habitat: Grassland, 100–2750 m. Voucher: Bogdan 4528 (EA).
**Cyperus cruentus** Rottb. Habit: Herb. Habitat: Grassland, 500–2000 m. Voucher: Leippert 5116 (EA).

**Cyperus nutans var. eleusinoides** (Kunth) Haines Habit: Herb. Habitat: streamside, swampy areas, 1000–2200 m. Voucher: Bogdan 5308 (EA).

**Cyperus platycaulis** Baker Habit: Herb. Habitat: Wet areas, 1000–3000 m. Vouchers: FOKP 980 & 1134 (EA, HIB), Smith, Beentje & Muasya 208 (EA), Botany 2 Exp. 74 (EA).

**Cyperus rotundus** L. Habit: Herb. Habitat: Grassland, Up to 2000 m. Vouchers: Mbuni 014 (EA), FOKP 11278 (EA).

**Cyperus schimperianus** Steud. Habit: Herb. Habitat: River-side swamps, Sandy, stony river banks, grassland, 450–1600 m. Voucher: Thomas 2117 (EA).

**Cyperus squarrosus** L. Habit: Herb. Habitat: Wet pool edges, up to 2000 m. Voucher: Leippert 5041 (EA).

**Fimbristylis dichotoma** (L.) Vahl Habit: Herb. Habitat: Grassland, up to 2000 m. Voucher: Bogdan 4960 (EA).

**Fuirena stricta** subsp. **chlorocarpa** (Ridl.) Lye Habit: Herb. Habitat: Wet grassland, 500–2800 m. Voucher: Bogdan 4992 (EA).

**Isolepis costata** Hochst. ex A. Rich. Habit: Herb. Habitat: Alpine, Sedge in dense growth, 1700–3500 m. Voucher: Bogdan 4990 (EA).

**Isolepis fluitans** (L.) R. Br. Habit: Herb. Habitat: Montane water, 1300–3500 m. Voucher: Thulin & Tidigs 97 (EA).

**Kyllinga alba** Nees Habit: Herb. Habitat: Dry bushland, 500–2500 m. Voucher: Napper & Tweedie 2124 (EA).

**Kyllinga brevifolia** Rottb Habit: Herb. Habitat: Streamside, 1600–3000 m. Vouchers: FOKP 11731 (EA), Mbuni 731 (EA).

**Kyllinga odorata** Vahl Habit: Herb. Habitat: Streamside, 1300–3300 m. Vouchers: Smith et al. 196 (EA), Bogdan 5002 (EA).

**Pycreus elegantulus** (Steud.) C.B. Clarke Habit: Herb. Habitat: Grassland, 1000–2200 m. Vouchers: FOKP 990 & 1130 (EA, HIB).

**Kyllinga pulchella** Kunth Habit: Herb. Habitat: Woodland edge, 1500–2600 m. Voucher: Smith et al. 190 (EA).

**Schoenoplectus corymbosus** (Roth ex Roem. & Schult.) J. Raynal Habit: Herb. Habitat: Grassland, 1000–2500 m. Vouchers: FOKP 984, 1141 (EA, HIB), Muasya 1284 (EA).

F34. Poaceae

40 Genera, 59 Species

**Agrostis kilimandscharica** Mez. Habit: Herb. Habitat: Bamboo and upland, 2000–3500 m. Voucher: Bogdan 4974 (EA).

**Agrostis producta** Pilg. Habit: Herb. Habitat: Upland grassland & moorland 2500–3500 m, Vouchers: Bogdan 4977 (EA), Thulin et al. 256 (EA).
Agrostis quinqueseta (Steud.) Hochst. Habit: Herb. Habitat: Moorland & alpine, 3000–3500 m. Voucher: Bogdan 4973 (EA).

Aira caryophyllea L. Habit: Herb. Habitat: Grassland and moorland above 2000 m. Vouchers: Bogdan 4989 (EA), Braun 582 (EA).

Andropogon amethystinus Steud. Habit: Herb. Habitat: Alpine grassland, 2000–3550 m. Vouchers: Thulin & Tidigs 225 (EA), Braun 581 (EA).

Andropogon chinensis (Nees) Merr. Habit: Herb. Habitat: Savannah and bushland, 0–1800 m. Voucher: Bogdan 3829 (EA).

Andropogon schirensis Hochst. Habit: Herb. Habitat: Grassland, 2000–3500 m. Voucher: Strange 82 (EA).

Anthephora nigritana Stapf & C.E. Hubb. Habit: Herb. Habitat: Rocky bushland, 1200–1700 m. Vouchers: Bogdan 3407 & 5633 (EA).

Anthoxanthum nivale K. Schum. Habit: Herb. Habitat: Upland grassland & moorland, above 2500 m. Vouchers: Bogdan 4971 & Bogdan 4997 (EA).

Aristida adscensionis L. Habit: Herb. Habitat: Bushland, 1500–2500 m. Voucher: Bogdan 5632 (EA).

Aristida bordeacea Kunth Habit: Herb. Habitat: Bushland, 400–1600 m. Voucher: Bogdan 3414 (EA).

Bothriochloa radicans (Lehm.) A. Camus Habit: Herb. Habitat: Deciduous bushland, 0–2000 m. Voucher: Bogdan 3413 (EA).

Brachiaria scalaris Pilg. Habit: Herb. Habitat: Upland weedy places, 900–2400 m. Vouchers: Bogdan 5306 (EA), Baner 481 (EA).

Brachypodium flexum Nees Habit: Herb. Habitat: Upland forest, 2000–3000 m. Voucher: Bogdan 4870 (EA).

Cymbopogon giganteus Chiov. Habit: Herb. Habitat: Bushland, 0–2300 m. Voucher: Bogdan 3854 (EA).

Digitaria gayana (Kunth) A. Chev. Habit: Herb. Habitat: Disturbed place, farmland, 1200–2000 m. Voucher: Bogdan 4337 (EA).

Digitaria velutina (Forssk.) P. Beauv. Habit: Herb. Habitat: Disturbed places, 0–2300 m. Voucher: Baner 480 (EA).

Dinebra retroflexa (Vahl) Panz. Habit: Herb. Habitat: Black clay soils, 500–2000 m. Voucher: Pratt 5716 (EA).

Ehrharta erecta Lam. Habit: Herb. Habitat: Forest clearing, 1500–2700 m. Voucher: Bogdan 5305 (EA).

Eragrostis cylindriflora Hochst. Habit: Herb. Habitat: Dry bushland, 1200–2000 m. Voucher: Bogdan 3422 (EA).

Eragrostis patens Oliv. Habit: Herb. Habitat: Dry land area, 400–2000 m. Voucher: Bogdan 3423 (EA).

Eragrostis tremula Hochst. ex Steud. Habit: Herb. Habitat: Grassland, 0–1600 m. Voucher: Bogdan 4492 (EA).

Exotheca abyssinica (Hochst. ex A. Rich.) Andersson Habit: Herb. Habitat: Upland and montane grassland, 2000–3550 m. Voucher: Strange 85 (EA).
**Festuca abyssinica** A. Rich. Habit: Herb. Habitat: Highland grassland and moorland, 2000–3000 m. Voucher: Heady 1415 (EA).

**Hyparrhenia pilgeriana** C.E. Hubb. Habit: Herb. Habitat: Swamps, 1000–2700 m. Voucher: Bogdan 4513 (EA).

**Hyparrhenia variabilis** Stapf. Habit: Herb. Habitat: Deciduous bushland, wooded grassland, 600–2200 m. Voucher: Bogdan 3635 (EA).

**Koeleria capensis** Nees Habit: Herb. Habitat: Upland Grassland and moorland, 2000–3550 m. Voucher: Thulin & Tidigs 249 (EA).

**Leersia hexandra** Sw. Habit: Herb. Habitat: Shallow water and swamps, up to 2000 m. Voucher: Ivens 1283 (EA).

**Leptochloa rupestris** C.E. Hubb. Habit: Herb. Habitat: Deciduous bushland, rocky places, 1600–1900 m. Voucher: Bogdan 3844 (EA).

**Loudetia flavida** (Stapf) C.E. Hubb. Habit: Herb. Habitat: Dry bushland, 300–1600 m. Voucher: Deg 32 (EA).

**Loudetia kagerensis** (K. Schum.) C.E. Hubb. Habit: Herb. Habitat: Stony soil, 1200–2700 m. Voucher: Kuchar 8653 (EA).

**Microchloa indica** (L. f.) P. Beauv. Habit: Herb. Habitat: Low altitude, shallow soil, 800–1600 m. Voucher: Bogdan 5171 (EA).

**Melinis repens** (Willd.) Zizka Habit: Herb. Habitat: Grassland, 0–2500 m. Voucher: FOKP 1034 (EA).

**Melinis nerviglumis** (Franch.) Zizka Habit: Herb. Habitat: Upland grassland and open woodland, 500–2000 m. Voucher: Bogdan 3426 (EA).

**Oplismenus compositus** (L.) P. Beauv. Habit: Herb. Habitat: Evergreen grassland, 0–2400 m. Voucher: Bogdan 4952 (EA).

**Oplismenus hirtellus** (L.) P. Beauv. Habit: Herb. Habitat: Forest shade, 0–2500 m. Voucher: Bogdan 4952 (EA).

**Oplismenus undulatifolius** (Ard.) Roem. & Schult. Habit: Herb. Habitat: Forest shade, 1400–2500 m. Voucher: Mabberley & McCall 60 (EA).

**Oropetium minimum** (Hochst.) Pilg. Habit: Herb. Habitat: Open deciduous, dry grassland, 780–2600 m. Voucher: Bogdan 4948 (EA).

**Oropetium thomaeum** (L. f.) Trin. Habit: Herb. Habitat: Deciduous grassland, 500–1100 m. Voucher: Bogdan 4949 (EA).

**Panicum atrosanguineum** Hochst. ex A. Rich. Habit: Herb. Habitat: Dry bushland, 100–2200 m. Voucher: Baner 482 (EA).

**Panicum pusillum** Hook. f. Habit: Herb. Habitat: Grassland, moorland, Streams, 1300–3300 m. Voucher: Bogdan 5299 (EA).

**Panicum hochstetteri** Steud. Habit: Herb. Habitat: Drier in forest shade, 1500–3000 m. Voucher: Bogdan 3835 (EA).

**Panicum hymeniochilum** Nees. Habit: Herb. Habitat: Wet places, 1000–3000 m. Vouchers: Thulin & Tidigs 180, Thulin et al. 161 (EA).

**Pennisetum macrourum** Trin. Habit: Herb. Habitat: River banks & Streams, 700–2300 m. Voucher: Bogdan 3637 (EA).
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**Pennisetum sphacelatum** (Nees) T. Durand & Schinz. Habit: Herb. Habitat: Bushland, 1500–3200 m. Voucher: Thulin & Tidigs 277 (EA).

**Pennisetum squamulatum** Fresen. Habit: Herb. Habitat: Deciduous bushland, 300–1600 m. Voucher: Bogdan 3833 (EA).

**Pogonarthria squarrosa** (Roem. & Schult.) Pilg. Habit: Herb. Habitat: Open moorland, 500–2000 m. Voucher: Bogdan 3447 (EA).

**Polypogon schimperianus** (Hochst. ex Steud.) Cope Habit: Herb. Habitat: Moorland & alpine, 3000–3500 m. Voucher: Ivens 1244 (EA).

**Sacciolepis africana** C.E. Hubb. & Snowden. Habit: Herb. Habitat: Shallow water up to 1600 m. Voucher: Knight 5309 (EA).

**Sacciolepis indica** (L.) Chase Habit: Herb. Habitat: Streamside marshes, 1000–2200 m. Voucher: Bogdan 5309 (EA).

**Schmidtia pappophoroides** Steud. ex J.A. Schmidt Habit: Herb. Habitat: Bushland, 200–2000 m. Voucher: Bogdan 3845 (EA).

**Setaria orthosticha** K. Schum. ex R.A.W. Herrm. Habit: Herb. Habitat: Evergreen grassland, 1000–2300 m. Voucher: Bogdan 3851 (EA).

**Sporobolus panicoides** A. Rich. Habit: Herb. Habitat: Deciduous bushland, 1100–2000 m. Voucher: Bogdan 3884 (EA).

**Stipa keniensis** (Pilg.) Freitag Habit: Herb. Habitat: Upland forest shade and road sides, 2000–2700 m. Voucher: Bogdan 500 (EA).

**Streblochaeta longiarista** (A. Rich.) Pilg. Habit: Herb. Habitat: Forest shade & bamboo clearing, 1500–3000 m. Voucher: Thorold 2758 (EA).

**Urochloa oligotricha** (Fig. & De Not.) Henrard. Habit: Herb. Habitat: Wooded grassland, 1300–2000 m. Voucher: Bogdan 3409 (EA).

**Vulpia bromoides** (L.) Gray Habit: Herb. Habitat: Rocky soils, 2500–3500 m. Vouchers: Verdcourt 2439A (EA), Taylor et al. 2439 (EA).

**Yushania alpina** (K. Schum.) W.C. Lin Habit: Herb. Habitat: Montane forest 3000–3300 m. Voucher: Davidse 9224 (EA).

**F35. Papaveraceae**
1 Genus, 1 Species

**Corydalis mildbraedii** Fedde Habit: Herb. Habitat: Grassland, 2200–3500 m. Voucher: Thulin et al. 235 (EA).

**F36. Menispermaceae**
2 Genera, 2 Species

**Cissampelos pareira** L. Habit: Herb. Habitat: Woodland, 2–2600 m. Vouchers: FOKP 11289 & 11604 (EA, HIB), Mbuni 593 & 604 (EA).
Stephania abyssinica (Quart.-Dill. & A. Rich.) Walp. Habit: Liana. Habitat: bushland, 1950–2600 m. Vouchers: SAJIT 005058 (EA, HIB), FOKP 934 (EA, HIB).

F37. Berberidaceae
1 Genus, 1 Species

Berberis holstii Engl. Habit: Shrub. Habitat: Upland bushland, 2150–3000 m. Voucher: SAJIT 007059 (EA, HIB).

F38. Ranunculaceae
6 Genera, 9 Species

Anemone thomsonii Oliv. Habit: Herb. Habitat: Grassland, 2500–3500 m. Vouchers: Bogdan 4994 (EA), Knox 3392 (EA).

Clematis brachiata Thunb. Habit: Climber. Habitat: Wooded grassland, 720–3150 m. Vouchers: FOKP 11277 (EA, HIB), Webster 8708 (EA), Lind 5094 (EA), Ivens 1254 (EA).

Clematis simensis Fresen. Habit: Climber. Habitat: Grassland 1600–3250 m. Vouchers: FOKP 993, 1022 & 11512 (EA, HIB), Mbuni 248 (EA), Lind 2851 (EA), Knox 3857 (EA), Mabberley et al. 227 (EA).

Clematis villosa DC. Habit: Herb. Habitat: Grassland, 1600–3250 m Vouchers: Symes 42 (EA), Webster 8710 (EA).

Delphinium macrocentrum Oliv. Habit: Herb. Habitat: grassland, 1650–3500 m. Vouchers: FOKP 11387 (EA, HIB), Lind 5099 (EA), Mabberley 235 (EA).

Ranunculus multifidus Forssk. Habit: Herb. Habitat: streamside, 1350–3450 m. Vouchers: FOKP 1137, 1207 & 11360 (EA, HIB), Mbuni 096 (EA), Mabberley & McCall 213 (EA), Thulin et al. 78 (EA).

Ranunculus oreophytopus Delile Habit: Herb. Habitat: streamside, 2550–3500 m. Vouchers: Knox 3383 (EA), Trelawny 4385 (EA).

Ranunculus volkensii Engl. Habit: Herb. Habitat: Grassland, 2550–3400 m. Vouchers: Thulin & Tidigs 194 (EA), Knox 3382 (EA).

Thalictrum rhyndocarpum Dillon & A. Rich Habit: Herb. Habitat: Upland forest, 1550–3275 m. Vouchers: SAJIT 005057 (EA, HIB), FOKP 11533 (EA), Mbuni 269 (EA), Mabberley & McCall 188 (EA).

F39. Proteaceae
2 Genera, 6 Species

Faurea arborea Engl. Habit: Tree. Habitat: Wooded grassland, 1600–2400 m. Voucher: Thulin & Tidings 181 (EA).

Faurea rochetiana (A. Rich.) Chiov. ex Pic. Serm. Habit: Tree. Habitat: Wooded grassland, 1600–2400 m. Vouchers: FOKP 11325 (EA, HIB), Birch 61 & 178 (EA).
Faurea saligna Harv. Habit: Tree. Habitat: Wooded grassland, 1600–2400 m. Vouchers: SAJIT 004766 (EA, HIB), FOKP 1092 & 11268 (EA, HIB), Mbuni 004 (EA), Trapnell 2301 (EA), Botany Part II 61 (EA), Buch 178 (EA).

Protea caffra subsp. kilimandscharica (Engl.) Chisumpa & Brummitt Habit: Shrub. Habitat: Moorland, 2500–3500 m. Voucher: Dale 862 (EA).

Protea gaguedi J.F. Gmel. Habit: Tree. Habitat: Grassland bushland, 1500–2900 m. Vouchers: SAJIT 005146 (EA, HIB), FOKP 11275 (EA), Mbuni 014 (EA), Thulin & Tidigs 73 (EA), Napper 1504 (EA).

Protea madiensis Oliv. Habit: Shrub. Habitat: Wooded grassland, 1650–1900 m. Voucher: Buch 161 (EA).

F40. Gunneraceae
1 Genus, 1 Species

Gunnera perpensa L. Habit: Herb. Habitat: River-side marshes, 2300–3370 m. Voucher: Tweedie 3014 (EA).

F41. Crassulaceae
5 Genera, 16 Species

Bryophyllum pinnatum (Lam.) Oken Habit: Herb. Habitat: Grassland, 1000–2100 m. Voucher: Symes 2799 (EA).

Crassula alata (Viv.) A. Berger Habit: Herb. Habitat: Grassland, 1350–2700 m. Voucher: Maas 6348 (EA).

Crassula alsinoides (Hook. f.) Engl. Habit: Herb. Habitat: Wet rocky, 1475–3500 m. Vouchers: SAJIT 006816 (EA, HIB), FOKP 10916 & 11530 (EA, HIB), Mbuni 266 (EA), Mabberley 572 (EA).

Crassula granvikii Mildbr. Habit: Herb. Habitat: Alpine 1650–3500 m. Vouchers: FOKP 1214 & 11733 (EA, HIB), Mbuni 112 & 733 (EA), Thulin 204 (EA).

Crassula schimperi Fisch. & C.A. Mey. Habit: Herb. Habitat: Upland grassland, 1050–3550 m. Voucher: SAJIT 004833 (EA).

Crassula vaginata Eckl. & Zeyh. Habit: Herb. Habitat: Upland grassland, 2000–3500 m. Voucher: Lucas 214 (EA).

Kalanchoe citrina Schweinfl. Habit: Herb. Habitat: Bushland, 1150–2100 m. Voucher: Tweedie 1773 (EA).

Kalanchoe crenata (Andrews) Haw. Habit: Herb. Habitat: Grassland, 1650–2300 m. Vouchers: SAJIT 006894 (EA, HIB), Symes 279 (EA).

Kalanchoe densiflora Rolfe Habit: Herb; Habitat: Montane grassland, 1500–3000 m. Vouchers: SAJIT 006793 (EA, HIB), FOKP 11380 (EA), Mbuni 129 (EA), Thulin & Tidigs 85 (EA), Rauh 683 (EA).
Kalanchoe glaucescens **Britten** Habit: Herb. Habitat: Bushland, 900–2200 m. Vouchers: FOKP 1279 (EA, HIB), Mortimer 207 (EA).

*Kalanchoe lanceolata* *(Forssk.)* **Pers.** Habit: Herb. Habitat: Grassland, Dry areas, 950–2100 m. Vouchers: SAJIT 006899 (EA, HIB), Tweedie 1774 (EA).

*Kalanchoe prittwitzii** **Engl.** Habit: Herb. Habitat: Bushland, 1650–2300 m. Voucher: SAJIT 006845 (EA, HIB).

*Sedum meyeri–johannis** **Engl.** Habit: Herb. Habitat: Heartland, 2100–3150 m. Vouchers: SAJIT 006824 (EA, HIB), FOKP 10924 (EA, HIB).

*Sedum ruwenzoriense** **Baker f.** Habit: Herb. Habitat: Upland heartland, 2800–3500 m. Vouchers: Mabberley & McCall 230 (EA), Symes 649 (EA).

*Umbilicus botryoides** **Hochst. ex A. Rich.** Habit: Herb. Habitat: Montane forest, 2250–3500 m. Voucher: SAJIT 004850 (EA).

**F42. Haloragaceae**  
1 Genus, 1 Species

*Laurembergia tetrandra* *(Schott)* **Kanitz** Habit: Herb. Habitat: Wet grassland at streamside, 2000–2350 m. Vouchers: SAJIT 006823 (EA, HIB), FOKP 10923 (EA, HIB).

**F43. Vitaceae**  
4 Genera, 14 Species

*Ampelocissus africana* *(Lour.)* **Merr.** Habit: Liana. Habitat: Riverine, woodland, 1450–1800 m. Voucher: Napier 2000 (EA).

*Cissus petiolata** **Hook. f.** Habit: Liana. Habitat: Riverine forest, 1050–1800 m. Voucher: Balley 12355 (EA).

*Cissus rotundifolia** **Vahl** Habit: Shrub. Habitat: *Acacia–Commiphora* bushland, 0–2100 m. Voucher: SAJIT Z0041 (EA, HIB).

*Cissus rupestris** **Gilg** Habit: Climber. Habitat: Bushland, 1300–1620 m. Voucher: Meyerhoff 102 (EA).

*Cyphostemma bambuseti* *(Gilg & M. Brandt)* **Desc. ex Wild & R.B. Drumm.** Habit: Climber. Habitat: Dry upland forest, 1450–2400 m. Voucher: SAJIT 004750 (EA, HIB).

*Cyphostemma junceum* *(Baker)* **Desc. ex Wild & R.B. Drumm.** Habit: Climber. Habitat: Grassland 1650–2280 m. Voucher: Symes 292 (EA).

*Cyphostemma cyphopetalum* *(Fresen.)* **Desc. ex Wild & R.B. Drumm.** Habit: Climber. Habitat: Bushland, 470–2450 m. Vouchers: FOKP 11752 (EA), Mbuni 752 (EA), Symes 334 (EA).

*Cyphostemma dysocarpum* *(Gilg & M. Brandt)* **Desc.** Habit: Climber. Habitat: *Acacia–Commiphora* bushland, 1000–1600 m. Voucher: Lindsay 129 (EA).

*Cyphostemma heterotrichum* *(Gilg & R.E. Fr.)* **Desc. ex Wild & R.B. Drumm.** Habit: Climber. Habitat: Grassland, 1600–2300 m. Vouchers: Napier 2028 (EA), Symes 103 (EA).
Cyphostemma kilimandscharicum (Gilg) Desc. ex Wild & R.B. Drumm. Habit: Climber. Habitat: Montane rain forest, 1600–3040 m. Voucher: SAJIT 005070 (EA, HIB).

Cyphostemma maranguense (Gilg) Desc. Habit: Climber. Habitat: Dry upland forest, 1600–3040 m. Voucher: FOKP 11276 (EA, HIB).

Cyphostemma pseudosesquipedale Verdc. Habit: Herb. Habitat: Grassland up to 1372 m. Voucher: Agnew et al. 10230 (EA).

Cyphostemma Serpens (Hochst. ex A. Rich.) Desc. Habit: Climber. Habitat: Bushed grassland, 1200–2550 m. Vouchers: SAJIT 006876 (EA, HIB), FOKP 11281 (EA, HIB).

Rhoicissus tridentata (L. f.) Wild & R.B. Drumm. Habit: Shrub. Habitat: Wooded, 60–2700 m. Vouchers: SAJIT 004846 (EA, HIB), FOKP 1108, 1262, 11280 & 11451 (EA, HIB), Mbuni 187 & 679 (EA).

F44. Zygophyllaceae
1 Genus, 1 Species

Tribulus terrestris L. Habit: Herb. Habitat: Waste places and trodden earth, 10–2300 m. Vouchers: FOKP 11488 (EA), Mbuni 224 (EA).

F45. Fabaceae
39 Genera, 98 Species

Vachellia abyssinica Benth. Habit: Tree. Habitat: Wooded grassland, 1450–3300 m. Vouchers: FOKP 11269 (EA), Mbuni 005 (EA).

Senegalia brevispica Harms Habit: Tree. Habitat: Dry bushland, thickets, 170–1830 m. Vouchers: SAJIT Z0058 (EA, HIB), Napier 2037 (EA).

Vachellia hockii De Wild. Habit: Tree. Habitat: Wooded grassland, 750–2250 m. Vouchers: FOKP 1266 (EA, HIB), Mbuni 654 (EA).

Vachellia labai Benth. Habit: Tree. Habitat: Upland forest, dense woodland, 1500–2700 m. Vouchers: Mbuni 005 (EA), Napier 1952 & 2014 (EA), Padwa 56 (EA), Brown 577 (EA).

Mimosa oerfota (Forssk.) Schweinf. Habit: Tree. Habitat: Riverine woodland, 1500–2900 m. Voucher: Sooboda 58 (EA).

Racosperma mearnsii De Wild. Habit: Tree. Habitat: Wooded grassland, 900–2600 m. Vouchers: FOKP 11561 (EA, HIB), Mbuni 298 (EA).

Mimosa melilfera (M. Vahl) Benth. Habit: Tree. Habitat: Bushland grassland, Dry woodland, 1–1800 m. Vouchers: SAJIT Z0064 (EA, HIB), FOKP 1252 (EA, HIB).

Mimosa nilotica (L.) Delile Habit: Tree. Habitat: Woodland grassland, 1–2300 m. Vouchers: Mus 169 (EA), Bogdan 4340 (EA), Collias 15382 (EA).

Vachellia tortilis subsp. spirocarpa (A. Rich.) Brenan Habit: Tree. Habitat: Bushland along streams, 200–1650 m. Voucher: FOKP 1249 (EA, HIB).

Vachellia reficiens Wawra Habit: Tree. Habitat: Bushland, 50–1450 m. Voucher: FOKP 1257 (EA, HIB).
**Adenocarpus mannii** (Hook. f.) Hook. f. Habit: Shrub. Habitat: Shrub Grassland, riverside, hearth, bamboo zone, 2400–3500 m. Voucher: SAJIT 007113 (EA, HIB).

**Albizia anthelmintica** Brongn. Habit: Tree. Habitat: Dry bushland, 1–3550 m. Voucher: Kazuaki 52 (EA).

**Argyrolobium fischeri** Taub. Habit: Herb. Habitat: Bushland, grassland, 1700–2700 m. Vouchers: SAJIT 005102 (EA, HIB), FOKP 1805 (EA, HIB).

**Argyrolobium ramosissimum** Baker. Habit: Herb. Habitat: Forest margin, moorland, ericaceous, around 2300 m. Voucher: Rawlins 7 (EA).

**Astragalus atropilosulus** (Hochst.) Bunge. Habit: Herb. Habitat: Open moorland, 1750–3550 m. Voucher: SAJIT 005084 (EA, HIB).

**Caesalpinia decapetala** (Roth) Alston Habit: Shrub. Habitat: Bushland, Forest edges, 650–2050 m. Voucher: FOKP 1297 (EA, HIB).

**Cassia abbreviata** Oliv. Habit: Shrub. Habitat: Bushland, 1–1000 m. Voucher: SAJIT 004734 (EA, HIB).

**Crotalaria anthyllopsis** Baker Habit: Herb. Habitat: Wooded grassland, 1200–2250 m. Rocky places. Voucher: Tweedie 1921 (EA).

**Crotalaria axillaris** Aiton Habit: Shrub. Habitat: Secondary bushland, woodland, grassland 1–2250 m. Vouchers: FOKP 1870, 11414 & 11613 (EA, HIB), Mbuni 150 (EA), Part II Botany 13 (EA).

**Crotalaria brevidens** Benth. Habit: Shrub. Habitat: Grassland, bushland, 1500–3000 m. Vouchers: FOKP 11482 (EA), Mbuni 218 (EA), Napier 1979 (EA).

**Crotalaria chrysochlora** Harms Habit: Herb. Habitat: Upland grassland, 1700–2900 m. Vouchers: Napier 1916 (EA), Webster 8786 (EA).

**Crotalaria deserticola** Baker f. Habit: Shrub. Habitat: Open and wooded grassland, 100–2500 m. Vouchers: FOKP 11483 (EA, HIB), Mbuni 219 (EA).

**Crotalaria fascicularis** Polhill Habit: Shrub. Habitat: Dry evergreen forest, 1300–2300 m. Voucher: Champion 1 (EA).

**Crotalaria incana** L. Habit: Shrub. Habitat: Upland grassland, 600–1800 m. Vouchers: FOKP 11347 (EA, HIB), Mbuni 083 (EA).

**Crotalaria lachnocarpa** Polhill Habit: Shrub. Habitat: Bushed Grassland, forest thicket, forest margin, 1200–2650 m. Vouchers: FOKP 11573 (EA, HIB), Mbuni 310 (EA).

**Crotalaria microcarpa** Benth. Habit: Herb. Habitat: Bushland, Grassland, 100–1700 m. Voucher: Tweedie 2040 (EA).

**Crotalaria natalitia** Meissner Habit: Herb. Habitat: Forest edges, bushland and wooded or grassland, 1300–2500 m. Voucher: Symes 116 (EA).

**Crotalaria pallida** var. obovata (G. Don) Polhill. Habit: Herb. Habitat: Bushland, near rivers and lakes, 450–1800 m. Voucher: Bogdan 4963 (EA).

**Crotalaria pallida** Aiton Habit: Herb. Habitat: Bushland near rivers, 1100–1900 m. Voucher: Tweedie 2097 (EA).

**Crotalaria podocarpa** DC Habit: Herb. Habitat: Open sandy place, wooded grassland, 1300–1650 m. Voucher: Bogdan 5173 (EA).
Crotalaria stolzii (Baker f.) Polhill Habit: Herb. Habitat: Upland grassland, forest margin, 1800–3000 m. Voucher: Thulin & Tidigs 163 (EA).

Dalbergia lactea Vatke Habit: Shrub. Habitat: Riverine, 1050–2400 m. Vouchers: SAJIT 006880 (EA, HIB), FOKP 1289 (EA, HIB), Tweedie 1084 (EA).

Desmodium incanum DC. Habit: Herb. Habitat: Forest margin, 1450–2800 m. Vouchers: FOKP 11527 (EA, HIB), Mbuni 263 (EA).

Desmodium uncinatum (Jacq.) DC. Habit: Shrub. Habitat: Forest shade, 1400–2800 m. Vouchers: FOKP 11715 (EA, HIB), Mbuni 715 (EA).

Dinebra retroflexa (Vahl) Panz. Habit: Herb. Habitat: Black clay soil, 500–2000 m. Voucher: Pratt 5716 (EA).

Dolichos sericeus subsp. formosus (A. Rich.) Verdc. Habit: Climber. Habitat: Evergreen montane forest edge, 1150–2750 m. Vouchers: SAJIT 00686 (EA, HIB), Tweedie 2959 (EA).

Dolichos sericeus E. Mey. Habit: Herb. Habitat: Montane forest edge, 1150–2750 m. Voucher: Irwin 369 (EA).

Entada abyssinica A. Rich. Habit: Tree. Habitat: Wooded grassland, Riverine forest, 1450–2150 m. Vouchers: SAJIT 004842 & 006851 (EA, HIB), FOKP 1277 (EA, HIB).

Entada leptostachya Harms. Habit: Climber. Habitat: Dry bushland, 100–1350 m. Voucher: SAJIT 004842 (EA, HIB).

Eriosema buchananii Baker f. Habit: Herb. Habitat: Upland grassland, 1900–2300 m. Voucher: Napier 1971 (EA).

Eriosema cordifolium A. Rich. Habit: Herb. Habitat: Upland grassland about 2290 m. Voucher: Symes 526 (EA).

Eriosema macrostipulum Baker f. Habit: Herb. Habitat: Bushed grassland around 2100 m. Voucher: Symes 61 (EA).

Eriosema montanum Baker f. Habit: Herb. Habitat: Wooded grassland, 1500–3300 m. Voucher: Symes 203 (EA).

Eriosema rhodesicum R.E. Fr. Habit: Herb. Habitat: Burnt upland grassland, rocky hill side, 1620–2400 m. Voucher: Symes 277 (EA).

Erythrina abyssinica DC. Habit: Tree. Habitat: Open woodland, forest edge, 900–2250 m. Vouchers: FOKP 11488 (EA, HIB), Mbuni 224 (EA), Trapnell 2302 (EA).

Faidherbia albida (Delile) A. Chev. Habit: Tree. Habitat: Wooded grassland, 1500–2900 m. Voucher: Tweedie 2288 (EA).

Galega lindblomii (Harms) J.B. Gillett. Habit: Herb. Habitat: Mountain grassland, 2200–2800 m. Vouchers: SAJIT Z0071, FOKP 949 & 1143, Geesteranus 6320 (EA), Gillett 18423 (EA).

Glycine wrightii Lopez. Habit: Climber. Habitat: Disturbed ground, 2000–2900 m. Vouchers: FOKP 11450 (EA, HIB), Mbuni186 (EA).

Hylopacking repanandum (Vahl) H. Ohashi & R.R. Mill Habit: Herb. Habitat: Forest shade, medium altitude forest, 1450–2800 m. Vouchers: FOKP 11525 (EA, HIB), Mbuni 261 (EA).

Indigofera ambelacensis Schweinf. Habit: Herb. Habitat: Grassland and bushland, 1000–2200 m. Vouchers: FOKP 11475 (EA, HIB), Mbuni 211 (EA).
**Indigofera arrecta** A. Rich. Habit: Herb. Habitat: Grassland and bushland and forest edges, 300–2700 m. Vouchers: FOKP 11497 & 11714 (EA, HIB), Mbuni 233 & 714 (EA), Bogdan 5358 (EA).

**Indigofera astragalina** DC. Habit: Herb. Habitat: Grazed grassland, 600–900 m. Vouchers: Bogdan 3410 (EA), Tweedie 2894 (EA).

**Indigofera bogdanii** J.B. Gillett Habit: Shrub. Habitat: Dry grassland, 1500–2300 m. Voucher: Gillet 18423 (EA).

**Indigofera garckeana** Vatke Habit: Herb. Habitat: Grassland and bushland, 1000–2500 m. Vouchers: Agnew et al. 10388 (EA), Irwin 144 (EA).

**Indigofera hochstetteri** Baker. Habit: Herb. Habitat: Dry grassland, 200–2000 m. Voucher: Bogdan 3842 (EA).

**Indigofera schimperi** Jaub. & Spach. Habit: Herb. Habitat: Grassland and bushland, 200–2200 m. Vouchers: FOKP 11747 (EA, HIB), Mbuni 747 (EA).

**Indigofera spicata** Forssk. Habit: Herb. Habitat: Grassland and bushland, 0–2900 m. Vouchers: FOKP 11502 (EA, HIB), Mbuni 238 (EA).

**Indigofera trita** L. f. Habit: Herb. Habitat: Grassland and bushland, 0–2500 m. Vouchers: SAJIT 004747 (EA, HIB), FOKP 1288 (EA, HIB).

**Lablab purpureus** (L.) Sweet. Habit: Climber. Habitat: Riverine forest, 1–2400 m. Voucher: Webster 8788 (EA).

**Lonchocarpus eriocalyx** Harms Habit: Tree. Habitat: Wooded grassland, 500–1680 m. Voucher: Bally 12334 (EA).

**Lotus becquetii** Boutique. Habit: Herb. Habitat: Rocky hill side, 2000–2800 m. Voucher: Strange 185 (EA).

**Macrotyloma stipulosum** (Baker) Verdc. Habit: Herb. Habitat: Wooded grassland, 1800–2150 m. Voucher: Symes 59 (EA).

**Neonotonia wightii** (Wight & Arn.) J.A. Lackey Habit: Tree. Habitat: Bushland edges, 500–2100 m. Voucher: FOKP 1283 (EA, HIB).

**Neorautanenia mitis** (A. Rich.) Verdc. Habit: Climber. Habitat: Dry bushland, 20–1800 m. Voucher: Padwa 291 (EA).

**Parochetus communis** D. Don. Habit: Herb. Habitat: Moist area, 2200–3400 m. Voucher: FOKP 1908 & 1904 (EA, HIB).

**Pseudarthria confertiflora** (A. Rich.) Baker Habit: Shrub. Habitat: Wooded grassland, 1–2200 m. Voucher: Webster 8793 (EA).

**Pterolobium stellatum** (Forssk.) Brenan Habit: Shrub. Habitat: Bushland, Woodland, 1000–2250 m. Voucher: FOKP 1265 (EA, HIB).

**Rhynchosia hirta** (Andrews) Meikle & Verdc. Habit: Liana. Habitat: Dry woodland and bushland, 1–1800 m. Voucher: SAJIT 006841 (EA, HIB).

**Rhynchosia orthobotrya** Harms. Habit: Herb. Habitat: Dry rocky, bushland, 1000–2100 m. Voucher: Bogdan 3852 (EA).

**Rhynchosia resinosa** (A. Rich.) Baker. Habit: Liana. Habitat: Wooded grassland, bushland, 1530–2500 m. Voucher: Tweedie 1914 (EA).

**Rhynchosia usambarensis** Taub. Habit: Herb. Habitat: Upland grassland forest edge, 1650–2400 m. Voucher: FOKP 1284 (EA, HIB).
**Senna bicapsularis** (L.) Roxb. Habit: Shrub. Habitat: Wooded or bushed grassland, 1–1750 m. Voucher: Kuzuaki 9 (EA).

**Senna didymobotrya** (Fresen.) H.S. Irwin & Barneby Habit: Shrub. Habitat: Riverine, forest edge, 1500–2250 m. Vouchers: FOKP 11391 (EA, HIB), Mbuyi 126 (EA).

**Senna birsuta** (L.) H.S. Irwin & Barneby. Habit: Shrub. Habitat: Bushed grassland 100–1750 m. Vouchers: FOKP 11422 (EA), Mbuyi 158 (EA).

**Senna obtusifolia** (L.) H.S. Irwin & Barneby. Habit: Shrub. Habitat: Riverine, 1000–1750 m. Voucher: Brodhurst hill 677 (EA).

**Senna occidentalis** (L.) Link. Habit: Shrub. Habitat: Cultivated ground, 250–1450 m. Vouchers: FOKP 11487 (EA), Mbuyi 223 (EA), Ndegwa 974 (EA).

**Senna septemtrionalis** (Viv.) H.S. Irwin & Barneby Habit: Shrub. Habitat: Riverine, grassland, waste places, 1450–2200 m. Voucher: FOKP 1903 (EA, HIB).

**Sesbania sesban** (L.) Merr. Habit: Shrub. Habitat: Water logged areas below 1900 m. Vouchers: FOKP 11493 (EA, HIB), Mbuyi 229 (EA).

**Tamarindus indica** L. Habit: Tree. Habitat: Riverine, bushland, 1–1500 m. Vouchers: Tweedie 65 (EA), Kuzuaki 16 (EA).

**Tephrosia bolstii** Taub. Habit: Herb. Habitat: Upland grassland, 1600–2600 m. Voucher: Symes 101 (EA).

**Tephrosia interrupta** Engl. Habit: Herb. Habitat: Scrub margin, 1400–3100 m. Vouchers: FOKP 11289 (EA), Mbuyi 025 (EA), Thulin 120 (EA).

**Tephrosia vogelii** Hook. f. Habit: Herb. Habitat: Waste ground up to 2300 m. Voucher: Hepper 5058 (EA)

**Teramnus labialis** (L. f.) Spreng. Habit: Climber. Habitat: Wooded grassland, 1700–2500 m. Voucher: Boonman 6627 (EA).

**Vigna subterranea** (L.) Verdc. Habit: Herb. Habitat: Cultivated land below 1200 m. Voucher: FOKP 1716 (EA, HIB).

**Trifolium burchellianum** Ser. Habit: Herb. Habitat: Moist upland, 1600–3500 m. Vouchers: FOKP 951 (EA, HIB), Mabberley & McCall 242 (EA), Bogdan 4966 (EA).

**Trifolium cheranganiense** J.B. Gillett Habit: Herb. Habitat: Upland grassland, 2100–3100 m, Vouchers: Thorold 2759 (EA), Strange 48 (EA), Rawlins 2 (EA).

**Trifolium cryptopodium** A. Rich. Habit: Herb. Habitat: Grassland, 2100–3500 m. Vouchers: Thulin & Tidigs 113 (EA), Bogdan 4968 (EA).

**Trifolium polystachyum** Fresen. Habit: Herb. Habitat: Forest margin, Swamp grassland, 1600–2800 m. Vouchers: Irwin 308 (EA), Symes 637 (EA).

**Trifolium rueppellianum** Fresen. Habit: Herb. Habitat: Upland grassland and moorland, 1700–3500 m. Vouchers: FOKP 1128 (EA, HIB), Strange 140 (EA).

**Trifolium simense** Fresen. Habit: Herb. Habitat: Upland grassland, 2000–3500 m. Vouchers: Symes 638 (EA), Knight 56 (EA).

**Trifolium semipilosum** Fresen. Habit: Herb. Habitat: Upland grassland, 1500–3000 m. Vouchers: FOKP 11501 (EA), Mbuyi 237 (EA).

**Trifolium usambarense** Taub. Habit: Herb. Habitat: Forest opening, 1500–2700 m. Voucher: SAJIT Z0074 (HIB).
**Vicia benghalensis** L. Habit: Climber. Habitat: Upland grassland 2400–2800 m. Voucher: Irwin 205 (EA).

**Vigna monophylla** Taub. Habit: Herb. Habitat: Wooded grassland, 1650–2500 m. Voucher: Symes 86 (EA).

**Vigna unguiculata** subsp. *dekindtiana* (Harms) Verdc. Habit: Herb. Habitat: Bushland and forest edges, 1–2500 m. Voucher: Lyes 57 (EA).

**Vigna vexillata** (L.) A. Rich. Habit: Herb. Habitat: Grassland, bushland and forest margins, 100–2500 m. Voucher: Symes 212 (EA).

**Zornia glochidiata** DC. Habit: Herb. Habitat: Grassland, rocky areas, 0–1800 m. Voucher: Bogdan 3450 (EA).

**F46. Polygalaceae**

1 Genus 4 Species

**Polygala albida** Schinz Habit: Herb. Habitat: Field of Weeds and roadside, 1400–2300 m. Voucher: Symes 758 (EA).

**Polygala arenaria** Willd. Habit: Herb. Habitat: Disturbed ground, 60–1200 m. Voucher: Lucas 218 (EA).

**Polygala petitiana** A. Rich. Habit: Herb. Habitat: Shallow soils on grassland, 100–2300 m. Voucher: Symes 158 (EA).

**Polygala sphenoptera** Fresen. Habit: Herb. Habitat: Upland grassland, disturbed soil on wet forest, 100–3200 m. Vouchers: SAJIT 005100 & Z0051 (EA, HIB), Mburuni 087 (EA), Carter & Stannard 48 (EA), Mabberley & McCall 279 (EA), Symes 217 (EA), Webster 8717 (EA).

**F47. Rosaceae**

5 Genera, 15 Species

**Alchemilla cryptantha** Steud. ex A. Rich. Habit: Herb. Habitat: Montane grassland 2900–3500 m. Vouchers: Napier 1978 (EA), Knox 4185 & 4193 (EA).

**Alchemilla elgonensis** Mildbr. Habit: Shrub. Habitat: Montane grassland, 3000–3500 m. Voucher: Thulin & Tidigs 248 (EA).

**Alchemilla ellenbeckii** Engl. Habit: Shrub. Habitat: Highland grassland, 2100–3500 m. Voucher: Knox 3384 (EA).

**Alchemilla gracilipes** (Engl.) Engl. Habit: Herb. Habitat: Montane grassland 2120–3500 m. Vouchers: SAJIT 006928 (EA, HIB), Dale 3400 (EA), Symes 619 (EA), Verdcourt 2426 (EA).

**Alchemilla johnstonii** Oliv. Habit: Shrub. Habitat: Alpine forest, 3150–3350 m. Vouchers: Dale 340, Thulin & Tidigs 212 & 258 (EA), Knox 3385 (EA).

**Alchemilla lindblomiana** (Mildbr.) T.C.E. Fr. Habit: Shrub. Habitat: 3000–3300 m. Voucher: Dale 3401 (EA)
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*Alchemilla rothii* Oliv. Habit: Herb. Habitat: Bamboo zones, 2100–3500 m. Vouchers: Mabberley 579 (EA), Knox 3404 (EA).

*Cliffortia nitidula* (Engl.) R.E. Fr. & T.C.E. Fr. Habit: Shrub. Habitat: Bamboo glades, moorland, 2920–3490 m. Voucher: Dale 3432 (EA).

*Hagenia abyssinica* (Bruce ex Steud.) J.F. Gmel. Habit: Tree. Habitat: Woodland, 2300–3300 m. Voucher: SAJIT 004854 (EA, HIB).

*Prunus africana* (Hook. f.) Kalkman Habit: Tree. Habitat: Woodland, Riverine, 1350–2750 m. Vouchers: SAJIT 006869 (EA, HIB), FOKP 1019, 10969 & 11609 (EA, HIB), Mbuni 609 (EA).

*Rubus apetalus* Poir. Habit: Shrub. Habitat: Upland bushland, 1600–3000 m. Vouchers: FOKP 1060 & 11274 (EA, HIB).

*Rubus pinnatus* Willd. Habit: Trailing Shrub. Habitat: Upland rain forest, bamboo 2400–3000 m. Voucher: Tweedie 4086 (EA).

*Rubus scheffleri* Engl. Habit: Shrub. Habitat: Upland rain forest glades, 1800–2930 m. Vouchers: Mabberley 496 (EA), Lindsay 137 (EA).

*Rubus steudneri* Schweinf. Habit: Shrub. Habitat: Montane forest, 2000–3480 m. Vouchers: SAJIT 003385, 005121 & 006811 (EA, HIB), FOKP 1010 & 10911 (EA, HIB), Beentje 3065 (EA), Tweedie 4086 (EA).

*Rubus volkensii* Engl. Habit: Shrub. Habitat: Secondary bushland, bamboo zones, 2600–3500 m. Vouchers: SAJIT 004800 (EA, HIB), Thulin & Tidigs 242 (EA).

**F48. Rhamnaceae**

6 Genera, 8 Species

*Gouania longispicata* Engl. Habit: Shrub. Habitat: Wooded grassland, 1450–2400 m. Vouchers: SAJIT 005057 (EA, HIB), FOKP 955, 1030, 2355 & 11278 (EA, HIB).

*Helinus integrifolius* (Lam.) Kuntze Habit: Shrub. Habitat: Bushland, open woodland, 300–1330 m. Voucher: FOKP 1098 (EA, HIB).

*Helinus mystacinus* (Aiton) E. Mey. ex Steud. Habit: Shrub. Habitat: 1000–1500 m. Voucher: FOKP 1098 (EA, HIB).

*Rhamnus prinoides* L’Hér. Habit: Tree. Habitat: Bushland, Bamboo, heath zone, 1500–3150 m. Vouchers: SAJIT 004817 & 005080 (EA, HIB), FOKP 1001, 1226, 11310 & 11366, (EA, HIB), Mbuni 046 (EA).

*Rhamnus staddo* A. Rich. Habit: Shrub. Habitat: Bushland, Grassland, 1500–2950 m. Vouchers: FOKP 11310 & 11652 (EA, HIB), Mbuni 046 & 652 (EA).

*Scutia myrtina* (Burm. f.) Kurz Habit: Shrub. Habitat: Moist, dry forest, riverine up to 2750 m. Vouchers: SAJIT 005064 (EA, HIB), FOKP 943, 11266, 11309 & 11378 (EA, HIB), Mbuni 045 (EA).

*Ziziphus abyssinica* Hochst. ex A. Rich. Habit: Tree. Habitat: Bushland, woodland, 700–2200 m. Voucher: FOKP 11318 (EA, HIB).

*Ziziphus mucronata* Willd. Habit: Tree. Habitat: Bushland, Wooded Grassland, 1–1950 m. Voucher: FOKP 11334 (EA, HIB).
F49. Ulmaceae
1 Genus, 1 Species

Chaetachme aristata Planch. Habit: Tree. Habitat: Bushland, 1050–2100 m. Voucher: FORK 927 (EA, HIB).

F50. Cannabaceae
2 Genera, 2 Species

Celtis africana Burm. f. Habit: Tree. Habitat: Riverine forest, 1150–2400 m. Voucher: Verdcourt 11725 (EA).
Trema orientalis (L.) Blume Habit: Tree. Habitat: Wooded grassland, forest edges, 1–1800 m. Vouchers: FOKP 11562 (EA), Mbuni 299 (EA).

F51. Moraceae
2 Genera, 8 Species

Ficus glumosa Delile Habit: Tree. Habitat: Rocky hillsides, 450–2050 m. Vouchers: SAJIT 006836 (EA, HIB), FOKP 10936 (EA, HIB).
Ficus sur Forssk. Habit: Tree. Habitat: Riverine, Bushland, 1–2100 m. Vouchers: SAJIT 006849 (EA, HIB), FOKP 1273 & 10949 (EA, HIB).
Ficus exasperata Vahl Habit: Tree. Habitat: Wet forest up to 1850 m. Voucher: FOKP 920 (EA, HIB).
Ficus natalensis Hochst. Habit: Tree. Habitat: Riverine, 900–1800 m. Voucher: FOKP 1032 (EA, HIB).
Ficus thonningii Blume Habit: Tree. Habitat: Wooded grassland, 1050–2400 m. Vouchers: SAJIT 005149 (EA, HIB).
Dorstenia afromontana R.E. Fr. Habit: Herb. Habitat: Wet montane forest, 2000–2600 m. Voucher: FOKP 1814 (EA, HIB).
Dorstenia bildebrandtii var. schlechteri (Engl.) Hijman Habit: Herb. Habitat: Riverine forest, 275–2100 m. Vouchers: FOKP 11671 (EA, HIB), Mbuni 671 (EA), Napier 1915 (EA).
Dorstenia barnimiana var. tropaeolifolia (Schweinf.) Rendle Habit: Herb. Habitat: Open savannah, common everywhere in short grass, Stony upland, 1000–2100 m. Voucher: Symes 627 (EA).

F52. Urticaceae
8 Genera, 13 Species

Droguetia debilis Rendle Habit: Herb. Habitat: Highland forest, 275–2100 m. Voucher: FOKP 1875 (EA, HIB).
Droguetia iners (Forssk.) Schweinf. Habit: Herb. Habitat: Lower edge bamboo, 1600–3250 m. Vouchers: SAJIT 004828 & 006920 (EA, HIB), FOKP 11020 (EA, HIB).
Elatostema monticola Hook. f. Habit: Herb. Habitat: Wet places, 1600–2800 m. Vouchers: SAJIT 006890 (EA, HIB), FOKP1735 & 10990 (EA, HIB).

Laportea alatipes Hook. f. Habit: Herb. Habitat: Disturbed ground in wet montane forest, 1560–3000 m. Habitat: Wet mountain forest, 1560–3010 m. Voucher: FOKP 1080 (EA, HIB).

Laportea ovalifolia (Schumach. & Thonn.) Chew. Habit: Herb. Habitat: Disturbed woodland, 900–2910 m. Habitat: Wet mountain forest, 1560–3010 m. Voucher: SAJIT 007125 (EA, HIB).

Parietaria debilis G. Forst. Habit: Herb. Habitat: Montane forest, 1560–3010 m. Voucher: Tweedie 2698 (EA).

Pilea angolensis (Hiern) Rendle Habit: Herb. Habitat: streamsides, 1400–2800 m Voucher: SAJIT 005090 (EA, HIB).

Pilea johnstonii Oliv. Habit: Herb. Habitat: streamsides 1680–2910 m. Voucher: Part II Botany 52 (EA).

Pilea rivularis Wedd. Habit: Herb. Habitat: Montane forest, Streams & Paths, 1480–3100 m. Voucher: SAJIT 004827 (EA, HIB).

Pilea tetraphylla (Steu.) Blume Habit: Herb. Habitat: Montane forest, 1750–2480 m. Voucher: Gilbert & Meifin 6467 (EA).

Urera hypselodendron (Hochst. ex A. Rich.) Wedd. Habit: Climber. Habitat: Montane forest, moist upland forest, 1480–3100 m. Vouchers: SAJIT 004822, 005082 & 006866 (EA, HIB), FOKP 952, 964, 11358, 11377 & 11617 (EA, HIB), Mbuni 114 & 617 (EA).

Urtica massaica Mildbr. Habit: Herb. Habitat: Montane forest, 2000–3400 m. Vouchers: FOKP 961, 11312 & 11326 (EA, HIB), Mbuni 062 (EA).

Pouzolzia parasitica (Forssk.) Schweinf. Habit: Herb. Habitat: Upland forest 1050–2100 m. Voucher: FOKP 1880 (EA, HIB).

F53. Cucurbitaceae
6 Genera, 8 Species

Coccinia adoensis (Hochst. ex A. Rich.) Cogn. Habit: Climber. Habitat: Highland grassland, 1600–2300 m. Vouchers: Napier 1899 (EA), Symes 283 (EA).

Coccinia grandis (L.) Voigt Habit: Climber. Habitat: Riverine, 250–1650 m Vouchers: SAJIT 006918 (EA, HIB), FOKP 11018 (EA, HIB).

Cucumis ficifolius A. Rich. Habit: Climber. Habitat: Highland grassland, 1000–1650 m. Voucher: Symes 273 (EA).

Momordica foetida Schumach. Habit: Climber. Habitat: Grassland, Woodland 150–1650 m. Vouchers: SAJIT 004743 & 006882 (EA, HIB), FOKP 11293 (EA, HIB), Mbuni 656 & 716 (EA).

Peponium vogelii (Hook. f.) Engl. Habit: Climber. Habitat: Forest edge, 10–2600 m. Vouchers: SAJIT 006870 (EA, HIB), FOKP 1256, 1269 & 11428 (EA, HIB), Mbuni 164 (EA), Brodhust hill 537 (EA), Napier 1975 (EA).

Trochomeria macrocarpa subsp. vitifolia R. Fern. & A. Fern. Habit: Climber. Habitat: Grassland, 1000–2500 m. Voucher: Lindsay 130 (EA).
**Zehneria anomala** C. Jeffrey Habit: Climber. Habitat: 1000–2500 m. Vouchers: FOKP 11328 (EA, HIB), Mbuni 064 (EA).

**Zehneria scabra** Sond. Habit: Climber. Habitat: Bushland, Forest edges, 1000–3300 m. Vouchers: SAJIT 004721, 006799 & 006872 (EA, HIB), FORK 933, 1005, 10899 & 11462 (EA, HIB), Mbuni 064 & 198 (EA).

**F54. Bignoniaceae**
1 Genus, 1 Species

**Stereospermum kunthianum** Cham. Habit: Tree. Habitat: Rocky bushland, wooded grassland, 900–2100 m. Habitat: Voucher: Bogdan 265 (EA).

**F55. Celastraceae**
6 Genera, 11 Species

**Catha edulis** (Vahl) Endl. Habit: Tree. Habitat: Wooded grassland, 1200–2400 m. Vouchers: Munro 989 (EA), Agnew 5087 (EA).

**Cassine aethiopica** Thunb. Habit: Shrub. Habitat: Bushland, 900–2400 m. Vouchers: FOKP 11608 (EA, HIB), Mbuni 608 (EA).

**Gymnosporia buchananii** Loes. Habit: Shrub. Habitat: Grassland, 1–2650 m. Vouchers: FOKP 11294 (EA, HIB), Birch 61 & 180 (EA).

**Gymnosporia heterophylla** (Eckl. & Zeyh.) Loes. Habit: Shrub. Habitat: Dry Upland & lowland Forest, Riverine, wooded grassland, 1150–2700 m. Vouchers: FOKP 11601 (EA, HIB), Mbuni 144 & 601 (EA, HIB).

**Gymnosporia keniensis** (Loes.) Jordaan Habit: Shrub Habitat: Dry Upland & lowland Forest, Riverine, thickets, Woodland, 1350–2250 m. Vouchers: SAJIT 004826 (EA, HIB), Fries & Hansen 2549 (EA).

**Gymnosporia senegalensis** (Lam.) Loes. Habit: Tree. Habitat: Bushed grassland, Riverine, 1–2100m. Vouchers: FOKP 11376 (EA), Buich 61 & 180 (EA), Lind et al. 5082 (EA), Webster 8812 (EA).

**Hippocratea goetzei** Loes. Habit: Shrub. Habitat: Woodland, forest thicket, 1100–2700 m. Voucher: FOKP 1806 (EA, HIB).

**Maytenus arbutifolia** (Hochst. ex A. Rich.) R. Wilczek Habit: Tree. Habitat: Bushland, Grassland, 1600–2350 m. Vouchers: SAJIT 004757 (EA, HIB), FOKP 1271 (EA, HIB).

**Maytenus obscura** (A. Rich.) Cufod. Habit: Shrub. Habitat: Bushland, 1900–2550 m. Vouchers: FOKP 1089, 1235 (EA, HIB).

**Maytenus undata** (Thunb.) Blakelock Habit: Tree. Habitat: Evergreen forest, dry Bushland, Grassland, 1500–3200 m. Vouchers: SAJIT 004755 (EA, HIB), FOKP 1015 (EA, HIB).

**Simirestis brianii** N. Hallé Habit: Tree. Habitat: Forest margin, 500–2550 m. Voucher: SAJIT Z0110 (HIB).
F56. Oxalidaceae
1 Genus, 4 Species

*Oxalis anthelmintica* A. Rich. Habit: Herb. Habitat: Grassland, Riverine 840–2400 m. Voucher: Symes 58 (EA).

*Oxalis corniculata* L. Habit: Herb. Habitat: Grassland, Disturbed ground, 0–3500 m. Voucher: Townsend 2374 (EA).

*Oxalis obliquifolia* Steud. ex A. Rich. Habit: Herb. Habitat: Grazer pasture, Grassland, roadsides, 830–3300 m. Voucher: Thulin 81 (EA).

*Oxalis radicosa* A. Rich. Habit: Herb. Habitat: Weed of cultivation and disturbed ground, 830–2500 m. Voucher: Symes 46 (EA).

F57. Rhizophoraceae
1 Genus, 3 Species

*Cassipourea malosana* (Baker) Alston Habit: Tree. Habitat: Bushland, Understorey in moist forest, 750–2900 m. Voucher: SAJIT 004730 (EA, HIB).

*Cassipourea rotundifolia* (Engl.) Alston. Habit: Tree. Habitat: Woodland, 900–1700 m. Voucher: SAJIT 007077 (EA, HIB).

*Cassipourea ruwensorensis* (Engl.) Alston Habit: Tree. Habitat: Evergreen forest, woodland, 1450–1600 m, Voucher: FOKP 1125 (EA, HIB).

F58. Peraceae
1 Genus, 1 Species

*Clutia abyssinica* Jaub. & Spach Habit: Shrub; Habitat: Secondary bushland, 1600–3100 m. Vouchers: SAJIT 007042 (EA, HIB), FOKP 1035 & 11283 (EA, HIB), Mbuni 019 (EA).

F59. Euphorbiaceae
13 Genera, 30 Species

*Acalypha fruticosa* Forsk. Habit: Shrub. Habitat: Lowland forest edge, 200–2000 m. Vouchers: FOKP 11676 (EA, HIB), Mbuni 676 (EA).

*Acalypha volkensii* Pax Habit: Shrub. Habitat: Upland grassland, 800–2700 m Vouchers: SAJIT 004732 & 006867 (EA, HIB), FOKP 11407 (EA, HIB), Mbuni 143 & 712 & (EA).

*Acalypha polymorpha* Müll. Arg. Habit: Herb. Habitat: Wooded, grassland, 1700–2300 m. Voucher: Symes 34 (EA).

*Croton dichogamus* Pax Habit: Tree. Habitat: Dry bushland, Disturbed sites, 500–2100 m. Vouchers: FOKP 11466 & 11658 (EA, HIB), Mbuni 202 & 658 (EA).
**Croton macrostachyus** Hochst. ex Delile Habit: Tree. Habitat: Wooded Grassland, dry or moist upland forest, 1350–2250 m. Vouchers: FOKP 1150 & 11697 (EA, HIB), Mbuni 236 & 697 (EA), Birch 61 & 169 (EA).

**Cordia monoica** Roxb. Habit: Shrub. Habitat: Deciduous bushland, grassland, 1–2100 m. Vouchers: SAJIT Z006 (HIB).

**Erythrococca bongensis** Pax Habit: Tree. Habitat: Wooded Bushland, River line or thicket, 900–2100 m. Vouchers: FOKP 11430 (EA, HIB), Mbuni 166 (EA).

**Erythrococca fischeri** Pax Habit: Shrub. Habitat: Woodland, grassland, 1500–2300 m. Vouchers: FOKP 1028 & 1234 (EA, HIB).

**Euphorbia abyssinica** J.F. Gmel. Habit: Tree. Habitat: Woodland, 2100–2400 m. Vouchers: SAJIT 006883 (EA, HIB), Haper & Field 4975 (EA), Mabberley 497 (EA).

**Euphorbia ampliphylla** Pax Habit: Tree. Habitat: Woodland, grassland, 1500–2300 m. Voucher: Mabberley 497 (EA).

**Euphorbia bongensis** Kotschy & Peyr. ex Boiss. Habit: Shrub. Habitat: Rare in grassland, 1200–2000 m. Voucher: Napper & Tweedie 2115 (EA).

**Euphorbia brevicornu** Pax Habit: Herb. Habitat: Drier highlands, 2200–3600 m. Voucher: Mabberley & McCall 254 (EA).

**Euphorbia cyparissioides** Pax Habit: Herb. Habitat: Grassland, 1900–2250 m. Voucher: Webster 8773 (EA).

**Euphorbia depauperata** Hochst. ex A. Rich. Habit: Shrub. Habitat: Highland grassland, 1900–3200 m. Voucher: Thulin & Tidigs 224 (EA).

**Euphorbia engleri** Pax Habit: Herb. Habitat: Shade of montane forest, 1500–2800 m. Voucher: FOKP 1807 (EA, HIB).

**Euphorbia heterospina** S. Carter Habit: Shrub. Habitat: Woodland, 900–1800 m. Voucher: FOKP 1247 (EA, HIB).

**Euphorbia repetita** Hochst. ex A. Rich. Habit: Herb. Habitat: Grassland, 2300–2700 m. Vouchers: Thulin & Tidigs 142 (EA), Agnew et al. 10530 (EA).

**Euphorbia scarlatina** S. Carter Habit: Shrub. Habitat: Bushland on rocky slopes, 600–2000 m. Voucher: SAJIT 006875 (EA, HIB).

**Euphorbia schimperiana** Scheele Habit: Herb. Habitat: Grassland, montane 1600–3500 m. Vouchers: SAJIT 005113 (EA, HIB), Thulin & Tidigs 142 (EA).

**Euphorbia tirucalli** L. Habit: Shrub. Habitat: Dry bushland, 0–1600 m. Voucher: Tweedie 2101 (EA).

**Euphorbia umbellata** (Pax) Bruyns Habit: Tree. Habitat: Dry forest, riverine, 1150–2100 m. Voucher: Glover et al. 1969 (EA).

**Macaranga capensis** (Baill.) Sim Habit: Tree Habitat: Moist forest, 300–2100 m. Voucher: SAJIT 004824 (EA, HIB).

**Macaranga kilimandscharica** Pax Habit: Tree. Habitat: Moist upland forest, 1650–2400 m. Vouchers: SAJIT 006797 (EA, HIB), FORK 991, 1000, 10896 & 11349 (EA, HIB), Birch 175 (EA), Buch 61 & 175 (EA).

**Margaritaria discoidea** var. *fagifolia* (Pax) Radcl.–Sm. Habit: Herb. Habitat: Upland forest, 10–1700 m. Voucher: Obunyali & Omondi 0226 (EA).
**Micrococca mercurialis** (L.) Benth. Habit: Herb. Habitat: Dry bushland, 10–1610 m. Voucher: Bogdan 3847 (EA).

**Mondia whitei** (Hook. f.) Skeels. Habit: Shrub. Habitat: Forest thickets, 800–2200 m. Voucher: FOKP 1718 (EA, HIB).

**Neoboutonia macrocalyx** Pax Habit: Tree. Habitat: Upland forest, evergreen forest, Riverbanks 1600–2700 m. Vouchers: SAJIT 005087 & 006798 (EA, HIB), FOKP 11351 & 11523 (EA, HIB), Mbuni 259 (EA), Tweedie 4118 (EA).

**Ricinus communis** L. Habit: Herb. Habitat: Bushland, Grassland, 600–3100 m. Voucher: Mas 236 (EA).

**Shirakiopsis elliptica** (Hochst.) Esser Habit: Tree. Habitat: Woodland, 1400–1800 m. Voucher: Birch 177 (EA).

**Tragia brevipes** Pax Habit: Herb. Habitat: Dry forest, 600–2600 m. Vouchers: SAJIT 004744 (EA, HIB), FOKP 1059 & 11753 (EA, HIB), Mbuni 753 (EA).

**F60. Ochnaceae**

1 Genus, 2 Species

**Ochna inermis** (Forssk.) Schweinf. ex Penz. Habit: Shrub. Habitat: Bushland, 1–1450 m. Voucher: Carter & Stannard 70 (EA).

**Ochna thomasiana** Engl. & Gilg Habit: Tree. Habitat: Bushland, woodland, 1500–2400 m. Vouchers: FOKP 11628 (EA), Mbuni 628 (EA).

**F61. Phyllanthaceae**

2 Genera, 7 Species

**Bridelia scleroneura** Müll. Arg. Habit: Shrub. Habitat: Wooded grassland, 900–1650 m. Voucher: Pole & Erens 1519 (EA).

**Phyllanthus fischeri** Pax Habit: Shrub. Habitat: Woodland, Forest edge, river line bushes, 1450–2700 m. Vouchers: SAJIT 004778 (EA, HIB), FOKP 11370 (EA, HIB), Mbuni 106 (EA), Thulin & Tidigs 122 (EA), Agnew et al. 10493 (EA), Hepper 4980 (EA).

**Phyllanthus ovalifolius** Forssk. Habit: Shrub. Habitat: Bushland, 1350–2450 m. Vouchers: FOKP 11459 & 11679 (EA, HIB), Mbuni 195 & 679 (EA).

**Phyllanthus sepialis** Müll. Arg. Habit: Shrub. Habitat: Riverine Woodland, Bushland, 600–1950 m. Voucher: FOKP 11384 (EA, HIB).

**Phyllanthus suffrutescens** Pax Habit: Herb. Habitat: Grassland 1200–2350 m. Voucher: Napier 1911 (EA).

**Phyllanthus niruroides** Müll. Arg. Habit: Herb. Habitat: Grassland, 1200–2350 m. Voucher: Agnew et al. 10318 (EA).

**Phyllanthus boehmii** Pax Habit: Herb. Habitat: Grassland moorland, 2000–3270 m. Voucher: FOKP 960 (EA, HIB).
F62. Passifloraceae
1 Genus, 1 Species

*Adenia cissampeloides* (Planch. ex Hook.) Harms Habit: Climber. Habitat: Moist forest, 0–2500 m. Voucher: SAJIT 004724 (EA, HIB).

F63. Salicaceae
4 Genera, 5 Species

*Casearia battiscombei* R.E. Fr. Habit: Tree. Habitat: Upland moist forest, 1350–2400 m. Vouchers: SAJIT 006907 (EA, HIB), FOKP 1122 & 11007 (EA, HIB), Mbuni 588 & 618 (EA).

*Dovyalis abyssinica* (A. Rich.) Warb. Habit: Tree. Habitat: Upland moist forest, 1450–2600 m. Vouchers: FOKP 11365 (EA), Mbuni 101 (EA).

*Dovyalis macrocalyx* (Oliv.) Warb. Habit: Shrub. Habitat: Moist forest, grassland 120–2400 m. Vouchers: FOKP 11678 (EA), Mbuni 678 (EA).

*Flacourtia indica* (Burm. f.) Merr. Habit: Tree. Habitat: Wooded grassland, 1200–2400 m. Vouchers: FOKP 1264, 11288 & 11321 (EA, HIB), Mbuni 741 (EA), Brunt 1410 (EA), Kazuaki 15 (EA), Buch 164 (EA).

*Trimeria grandifolia* (Hochst.) Habit: Tree. Habitat: Bushland 150–2500 m. Vouchers: FOKP 11672 (EA), Mbuni 672 (EA), Beentje 3044 (EA).

F64. Violaceae
1 Genus, 3 Species

*Viola eminii* (Engl.) R.E. Fr. Habit: Herb. Habitat: Forest paths & streamside, 2100–3540 m. Voucher: Mabberley & McCall 240 (EA).

*Viola abyssinica* Steud. ex Oliv. Habit: Herb. Habitat: Alpine, along paths, 1600–3500 m. Voucher: Townsend 2383 (EA).

*Viola villosa* Walter Habit: Climber. Habitat: Forest paths & streamside, 2100–3540 m. Voucher: Irwin 205 (EA).

F65. Linaceae
1 Genus, 1 Species

*Linum volkensii* Engl. Habit: Herb. Habitat: Upland grassland, Roadsides & waste places, 1100–2900 m. Voucher: Agnew et al. 10504 (EA).

F66. Hypericaceae
1 Genus, 6 Species

*Hypericum kiboense* Oliv. Habit: Shrub. Habitat: Bamboo zone, 2250–3250 m. Voucher: Mabberley 582 (EA).
Hypericum lalandii Choisy. Habit: Herb. Habitat: Grassland, 1500–2300 m. Voucher: Symes 615 (EA).

Hypericum peplidifolium A. Rich. Habit: Herb. Habitat: Subalpine grassland, 1350–3500 m. Voucher: Napier 1927 (EA), Mabberley 7 (EA), McCall 192 (EA), Symes 45 (EA).

Hypericum quartinianum A. Rich. Habit: Shrub. Habitat: Rocky stream-banks, 1500–2250 m. Voucher: FOKP 11268 (EA, HIB).

Hypericum revolutum Vahl Habit: Shrub. Habitat: Heath zone, 2700–3500 m. Vouchers: SAJIT 004812 (EA, HIB), FOKP 992, 1087 & 11773 (EA, HIB), Mbuni 001 (EA), Knox 4174 (EA), Kokwaro 2532 (EA).

Hypericum scioanum Chiov. Habit: Herb. Habitat: Montane forest, 1850–3500 m. Vouchers: SAJIT 005120 (EA, HIB), Knox 3451 & 3364 (EA).

F67. Geraniaceae
2 Genera, 4 Species

Geranium vagans Baker Habit: Herb. Habitat: Grassland in montane, 2640–3500 m. Voucher: Beentje 3072 (EA).

Geranium aculeolatum Oliv. Habit: Herb. Habitat: Montane forest 2640–3500 m. Vouchers: SAJIT 005030 (EA, HIB), Mabberley 255 (EA).

Geranium arabicum Forssk. Habit: Herb. Habitat: Montane forest, 1800–3550 m. Voucher: FOKP 1300, Napier 1972 (EA).

Pelargonium alchemilloides (L.) Aiton Habit: Herb. Habitat: Wooded grassland montane forest edge, 1000–2100 m. Voucher: FOKP 1825 (EA).

F68. Melianthaceae
1 Genus, 1 Species

Bersama abyssinica Fresen. Habit: Tree. Habitat: Dry & wet montane forest, 1150–2550 m. Vouchers: SAJIT 004818, 005071 & 007049 (EA, HIB), FOKP 941, 1263, 11284 & 11410 (EA, HIB), Mbuni 146 & 708 (EA).

F69. Combretaceae
2 Genera, 6 Species

Combretum apiculatum Sond. Habit: Tree. Habitat: Wooded grassland, 250–1750 m. Voucher: SAJIT 004849 (EA).

Combretum collinum subsp. binderianum (Kotschy) Okafa Habit: Tree. Habitat: Wooded grassland, 700–2200 m. Voucher: Lucas 156 (EA).

Combretum capituliflorum Fenzl ex Schweinf. Habit: Liana. Habitat: Wooded grassland, Riverine forest, 900–1100 m. Voucher: Wilson 310 (EA).

Combretum molle R. Br. ex G. Don Habit: Tree. Habitat: Wooded grassland, 150–2100 m. Vouchers: FOKP 1102, 11270 & 11682 (EA, HIB).
**Terminalia boivinii** Tul. Habit: Tree. Habitat: Woodland, 700–1900 m. Voucher: SAJIT Z0055 (EA, HIB).

**Terminalia brownii** Fresen. Habit: Tree. Habitat: Bushland, Woodland 700–1900 m. Voucher: FOKP 11342 (EA, HIB).

**F70. Lythraceae**
2 Genera, 2 Species

**Rotala tenella** (Guill. & Perr.) Hiern Habit: Herb. Habitat: Grassland, 1250–2100 m. Vouchers: SAJIT 006913 (EA, HIB), FOKP 11013 (EA, HIB).

**Woodfordia uniflora** (A. Rich.) Koehne Habit: Shrub. Habitat: Bushland, Rocky slopes, along dry rivers, 1350–2300 m. Voucher: Gardner 3717 (EA).

**F71. Onagraceae**
2 Genera, 4 Species

**Epilobium hirsutum** L. Habit: Herb. Habitat: Swamps, upland grassland, 1800–2450 m. Vouchers: FOKP 11332 & 11720 (EA, HIB), Mbuni 068, 720 (EA).

**Epilobium salignum** Hausskn. Habit: Herb. Habitat: Swamplakes, 1800–3550 m. Voucher: Brodhurst 505 (EA).

**Epilobium stereophyllum** Fresen. Habit: Herb. Habitat: Upland grassland, 2600–3500 m. Vouchers: Symes 626 (EA), Thulin et al. 106 (EA), Muthama et al. 170 (EA).

**Ludwigia abyssinica** A. Rich. Habit: Herb. Habitat: Swamplakes, 1000–2300 m. Vouchers: FOKP 974 (EA, HIB), Symes 517 (EA).

**F72. Myrtaceae**
2 Genera, 3 Species

**Psidium guajava** L. Habit: Tree. Habitat: Bushland, 1000–2500 m. Vouchers: Mbuni 207 (EA), FOKP 11471 (EA).

**Syzygium guineense** (Willd.) DC. Habit: Tree. Habitat: Wooded grassland, Riverine, 1–2500 m. Vouchers: SAJIT 005086 (EA, HIB), FOKP 11612 (EA), Mbuni 612 (EA), Thomas 2110 (EA), Dale 902 (EA).

**Syzygium cordatum** Hochst. ex Krauss Habit: Tree. Habitat: Riverine, 1–2500 m. Vouchers: FOKP 11272, 11443 & 11669 (EA, HIB), Mbuni 179 & 669 (EA).

**F73. Melastomataceae**
2 Genera, 6 Species

**Antherotoma naudinii** Hook. f. Habit: Herb. Habitat: Shallow soils, watercourses, 500–2300 m. Voucher: Bogdan 5280 (EA).

**Dissotis debilis** Triana Habit: Herb. Habitat: Swampland grassland, 10–1800 m. Voucher: FOKP 1242 (EA, HIB).
**Dissotis speciosa** Taub. Habit: Shrub. Habitat: Swampy areas, 1000–2250 m. Vouchers: Verdcourt 734 (EA), Webster 8749, Gardner 3718 (EA).

**Dissotis canescens** (E. Mey. ex Graham) Hook. f. Habit: Herb. Habitat: Swampy grassland, 800–2200 m. Vouchers: Webster 748 & 8747 (EA).

**Dissotis senegambiensis** (Guill. & Perr.) Triana Habit: Herb. Habitat: Grassland, 1350–2650 m. Voucher: Webster 8746 (EA).

**Dissotis irvingiana** Hook. Habit: Herb. Habitat: Swampy grassland, 800–2200 m. Voucher: Webster 8745 (EA).

**F74. Penaeaceae**
1 Genera, 1 Species

**Olinia rochetiana** A. Juss. Habit: Tree. Habitat: Dry upland forest, 1700–3050 m. Vouchers: FOKP 1024 & 1216 (EA, HIB), Mbuni 007 & 745 (EA), Rauh 577 (EA), Part II Botany 47 (EA).

**F75. Burseraceae**
1 Genus, 3 Species

**Commiphora eminii** Engl. Habit: Tree. Habitat: Dry evergreen forest, 600–1000 m. Voucher: SAJIT Z0062 (EA, HIB).

**Commiphora habessinica** (O. Berg) Engl. Habit: Shrub. Habitat: Bushed grassland, 500–1900 m. Voucher: Tanaka 234 (EA).

**Commiphora holtziana** Engl. Habit: Tree. Habitat: Bushland, 20–1100 m. Voucher: FOKP 11341 (EA, HIB).

**F76. Anacardiaceae**
4 Genera, 10 Species

**Lannea fulva** (Engl.) Engl. Habit: Shrub. Habitat: Bushland, Wooded grassland, 950–1900 m. Voucher: FOKP 11335 (EA, HIB).

**Lannea schimperi** (Hochst. ex A. Rich.) Engl. Habit: Tree. Habitat: Wooded grassland, 1300–1900 m. Voucher: FOKP1818 (EA, HIB).

**Lannea triphylla** (Hochst. ex A. Rich.) Engl. Habit: Shrub. Habitat: Wooded grassland, 50–1650 m. Vouchers: FOKP 11674 (EA), Mbuni 674 (EA).

**Ozoroa insignis** Delile Habit: Tree. Habitat: Wooded grassland, 1–2500 m. Vouchers: SAJIT 004740 (EA, HIB), FOKP 11746 (EA, HIB), Mbuni 746 (EA), Kefri 24 (EA).

**Ozoroa insignis** subsp. *reticulata* (Baker f.) J.B. Gillett Habit: Tree. Habitat: Wooded grassland, 1500–2500 m. Voucher: Rindsay 169 (EA).

**Rhus longipes** Engl. Habit: Tree. Habitat: Wooded grassland, 1000–2400 m. Vouchers: SAJIT 006808 (EA, HIB), FOKP 10908 & 11308 (EA, HIB).
Searsia natalensis (Bernh. ex C. Krauss) F.A. Barkley Habit: Shrub. Habitat: Dry forest wooded grassland, forest margin, forest thicket, 1050–2700 m. Vouchers: FOKP 1096, 11436 & 11290 (EA, HIB), Mbuni 172 (EA).

Searsia pyroides (Burch.) Moffett Habit: Tree. Habitat: Wooded grassland; 1200–2700 m. Vouchers: FOKP 11352 & 11650 (EA, HIB), Mbuni 088 & 650 (EA).

Searsia tenuinervis (Engl.) Moffett Habit: Shrub. Habitat: Wooded grassland, 850–1500 m. Vouchers: FOKP 11740 (EA, HIB), Mbuni 740 (EA).

Searsia ruspolii (Engl.) Moffett Habit: Shrub. Habitat: Evergreen bushland, 1500–2400 m. Vouchers: SAJIT 006871 (EA, HIB), FOKP 1021, 11324 & 11575 (EA, HIB), Mbuni 312 (EA), Kokwaro 2537 (EA).

F77. Sapindaceae
8 Genera, 9 Species

Allophylus abyssinicus (Hochst.) Radlk. Habit: Tree. Habitat: Moist forest, river line, 1000–2550 m. Vouchers: SAJIT 006927 (EA, HIB), FOKP 1130, 11359 & 11542 (EA, HIB), Mbuni 279 (EA).

Cardiospermum grandiflorum Sw. Habit: Climber. Habitat: Upland forest edges, 750–1800 m. Vouchers: Bogdan 3834 (EA), Mabberley & McCall 99 (EA).

Deinbollia borbonica Scheff. Habit: Tree. Habitat: Secondary bushland, 1200–2550 m. Vouchers: FOKP 1068 (EA, HIB).

Dodonaea viscosa (L.) Jacq. Habit: Shrub. Habitat: Secondary bushland, 1000–2700 m. Vouchers: SAJIT 004844 (EA, HIB), FOKP 11295 (EA, HIB).

Dodonaea viscosa subsp. angustifolia (L. f.) J.G. West Habit: Shrub. Habitat: Secondary bushland, 1000–2700 m. Vouchers: FOKP 1278 & 11686 (EA, HIB), Mbuni 686 (EA).

Haplocoelum foliolosum (Hiern) Bullock Habit: Tree. Habitat: Secondary bushland, 900–1800 m. Voucher: SAJIT Z0048 (HIB).

Lecaniodiscus fraxinifolius subsp. vaughanii (Dunkley) Friis Habit: Tree. Habitat: Woodland, 1–1200 m. Voucher: Dale 1093 (EA).

Lepisanthes senegalensis (Poir.) Leenh. Habit: Tree. Habitat: Woodland, riverine forest, 1–1900 m. Voucher: Tweedie 2961 (EA).

Pappea capensis Eckl. & Zeyh. Habit: Tree. Habitat: Bushland, Wooded grassland, 1050–2300 m. Voucher: Aggundey 5 (EA).

F78. Rutaceae
5 Genera, 6 Species

Clausena anisata (Willd.) Hook. f. ex Benth. Habit: Shrub. Habitat: Secondary bushland, 1–2650 m. Vouchers: FOKP 11460, 11554 & 11657 (EA, HIB), Mbuni 196, 291 & 657 (EA).

Harrisonia abyssinica Oliv. Habit: Tree. Habitat: Dry bushland, wooded grassland, 1–1650 m. Voucher: Tweedie 3793 (EA).
**Teclea nobilis** Delile Habit: Tree. Habitat: Wooded grassland, 1050–2550 m. Vouchers: FOKP 11637 (EA, HIB), Mbuni 637 (EA), Lind 5083 (EA).

**Toddalia asiatica** (L.) Lam. Habit: Liana. Habitat: Forest margin, grassland thicket, 1200–3000 m. Vouchers: SAJIT 005074 & Z0004 (EA, HIB), FOKP 11401 & 957 (EA, HIB), Nappier 1994 (EA).

**Vepris nobilis** (Delile) Mziray Habit: Tree. Habitat: Woodland, 1–1400 m. Vouchers: SAJIT 004823 & 005083 (EA, HIB), FOKP 1028 (EA, HIB), Mbuni 194 (EA).

**Vepris simplicifolia** (Engl.) Mziray Habit: Tree. Habitat: Woodland, 1–1400 m. Voucher: FOKP 1872 (EA, HIB).

**F79. Meliaceae**
2 Genera, 2 Species

**Ekebergia capensis** Sparrm. Habit: Tree. Habitat: Dry forest and riverine, 1300–2600 m. Voucher: SAJIT 005079 (EA, HIB).

**Lepidotrichillia volkensii** (Gurke) Leroy Habit: Tree. Habitat: Dry forest, Forest margin, 1500–2000 m. Vouchers: FOKP 1068, 11411 & 11623 (EA, HIB), Mbuni 147 & 623 (EA).

**F80. Malvaceae**
10 Genera, 34 Species

**Abutilon bidentatum** Hochst. ex A. Rich. Habit: Herb. Habitat: Savanna, rocky places, 500–2000 m. Voucher: Lye 9057 (EA).

**Abutilon holstii** K. Schum. ex Engl. Habit: Shrub. Habitat: Bushland up to 2000 m. Voucher: Webster 8758 (EA).

**Abutilon hirtum** (Lam.) Sweet Habit: Herb. Habitat: Dry Bushland, 1–1350 m. Voucher: Mas 201 (EA).

**Abutilon longicuspe** Hochst. ex A. Rich. Habit: Shrub. Habitat: Upland forest, 1650–3300 m. Voucher: SAJIT 004752 (EA, HIB).

**Abutilon mauritianum** (Jacq.) Medik. Habit: Shrub. Habitat: Riverine, 0–2300 m. Voucher: Lindsay 2 (EA).

**Dombeya burgessiae** Gerrard ex Harv. Habit: Tree. Habitat: Riverine, bushland, Woodland, thickets, 1200–3000 m. Vouchers: SAJIT 004764 (EA, HIB), FOKP 1286 & 11572 (EA, HIB), Mbuni 309 (EA).

**Dombeya torrida** (J.F. Gmel.) Bamps Habit: Tree. Habitat: Hagenia forest, 1850–2700 m. Vouchers: FOKP 937 (EA, HIB), Lind et al. 5080 (EA).

**Dombeya quinqueseta** (Delile) Exell Habit: Tree. Habitat: Wooded grassland, 1650–1750 m. Voucher: Webster 8757 (EA).

**Dombeya torrida** subsp. erythroleuca (K. Schum.) Seyani Habit: Tree. Habitat: Secondary bushland, 1850–2700 m. Voucher: FOKP 11363 (EA, HIB).

**Dombeya rotundifolia** (Hochst.) Planch. Habit. Tree. Habitat: Wooded grassland, 900–2250 m. Voucher: Webster 8757 (EA).
**Hibiscus aponeurus** Sprague & Hutch. Habit. Shrub. Habitat: Grassland, 600–2600 m. Vouchers: Agnew et al. 10300 (EA), Lindsay 164 (EA).

**Hibiscus berberidifolius** A. Rich. Habit. Shrub. Habitat: Upper forest edge, 1500–3600 m. Vouchers: SAJIT 007069 (EA, HIB), FOKP 973 (EA, HIB), Mbuni 080 (EA).

**Hibiscus diversifolius** Jacq. Habit: Shrub. Habitat: Disturbed places, 1330–2800 m. Voucher: Brodhurst–Hill 8765 (EA).

**Hibiscus fuscus** Garcke Habit: Shrub. Habitat: Permanent grassland, Disturbed places, 1400–2650 m. Vouchers: FOKP 11291 & 11498 (EA, HIB), Mbuni 234 & 687 (EA), Maas 6358 (EA), Symes 72 (EA).

**Hibiscus ludwigii** Eckl. & Zeyh. Habit. Shrub. Habitat: Cleared forest, Roadside, 1800–3000 m. Vouchers: SAJIT 004472 & 006923 (EA, HIB), FOKP 11504 (EA), Mbuni 059, 117 & 240B (EA), Mabberley & McCall 2003 (EA).

**Hibiscus micranthus** L. f. Habit: Shrub. Habitat: Grassland, 1500–2900 m. Vouchers: Agnew et al. 10333 (EA), Bogdan 4769 (EA), Mora 4039 (EA), Mus 97 (EA), Webster 8763 (EA).

**Grewia similis** K. Schum. Habit. Shrub. Habitat: Bushland, Grassland, 700–2250 m. Vouchers: FOKP 1025 & 11667 (EA, HIB), Mbuni 667 (EA), Webster 8752 (EA).

**Grewia tephrodermis** K. Schum. Habit. Tree. Habitat: Bushland, 700–2250 m. Voucher: Mbuni 226 & 672 (EA), FOKP 11490 & 11672 (EA, HIB).

**Grewia densa** K. Schum. Habit. Shrub. Habitat: Bushland, 350–1500 m. Voucher: FOKP 11726 (EA, HIB), Mbuni 726 (EA).

**Kosteletzkya adoensis** (Hochst. ex A. Rich.) Mast. Habit: Shrub. Habitat: Grassland, 1200–2650 m. Voucher: FOKP 1294 (EA, HIB).

**Kosteletzkya begoniifolia** Ulbr. Habit: Shrub. Habitat: Grassland, 750–2100 m. Habitat: Voucher: FOKP 985 (EA, HIB).

**Malva verticillata** L. Habit: Herb. Habitat: Grassland, 1500–3500 m. Voucher: Thu- lin & Tidings 241 (EA).

**Pavonia burchellii** (DC.) R.A. Dyer. Habit. Shrub. Habitat: *Commiphora* Woodland, 100–2300 m. Voucher: Symes 65 (EA).

**Pavonia propinqua** Garcke Habit. Shrub. Habitat: *Commiphora* Bushland, 550–1400 m. Voucher: SAJIT 004720 (EA, HIB).

**Pavonia urens** Cav. Habit: Shrub. Habitat: Riverine Woodland, 1200–3000 m. Vouchers: FOKP 975 & 11403 (EA, HIB), Mbuni 073 & 103 (EA), Symes 513 (EA), Brown 12809 (EA), Kerfoot 8771 (EA).

**Sida acuta** Burm. f. Habit: Herb. Habitat: Grassland, 5–2400 m. Disturbed places on grassland forest, 5–1300 m. Vouchers: Mbuni 245 (EA), FOKP 11509 (EA, HIB).

**Sida schimperiana** Hochst. ex A. Rich. Habit: Shrub. Habitat: Dry grassland, bushland forest edges, 1390–2480 m. Voucher: Mbuni 245 (EA).

**Sida ovata** Forssk. Habit. Herb. Habitat: Dry grassland, 15–2500 m. Voucher: Leippert 5042 (EA).

**Sida rhombifolia** L. Habit. Herb. Habitat: Grassland, 900–2600 m. Vouchers: SAJIT 004735 (EA, HIB), Napier 1901 (EA), Agnew et al. 10275 (EA).
Sida ternata L. f. Habit. Herb. Habitat: Bamboo forest, montane rain forest, 2000–3280 m. Vouchers: FOKP 11545 (EA, HIB), Mbuni 282 (EA), Symes 100 (EA).

Sparmannia ricinocarpa (Eckl. & Zeyh.) Kuntze Habit: Shrub. Habitat: Forest edge, 2015–3380 m. Vouchers: FOKP 11711 (EA, HIB), Mbuni 711 (EA).

Triumfetta rhomboidea Jacq. Habit. Shrub. Habitat: Upland forest, 1100–2200 m. Vouchers: FOKP 11445 (EA, HIB), Mbuni 181 (EA), Symes 215 (EA).

Triumfetta brachyceras K. Schum. Habit. Shrub. Habitat: Forest edge, roadside, 1500–3000 m. Voucher: Hepper & Field 4983 (EA).

Triumfetta cordifolia A. Rich. Habit. Shrub. Habitat: Montane forest edges, 1000–2600 m. Vouchers: FOKP 11333 (EA, HIB), Mbuni 069 (EA).

F81. Thymelaeaceae
2 Genera, 8 Species

Englerodaphne subcordata (Meisn.) Engl. Habit: Shrub. Habitat: Dry forest, Bushland, 1450–2500 m. Voucher: SAJIT 005147 (EA, HIB).

Gnidia chrysantha (Solms ex Schweinf.) Gilg Habit: Herb. Habitat: Woodland, 2000–2350 m. Voucher: Symes 382 (EA).

Gnidia fastigiata Rendle Habit: Shrub. Habitat: Subalpine grassland, 2300–3000 m. Vouchers: Dale 3175 (EA), Townsend 2370 (EA).

Gnidia glauca (Fresen.) Gilg Habit: Tree. Habitat: Forest margin, Bamboo Zone, 2250–3300 m. Vouchers: FOKP 1244 & 11266 (EA), Mbuni 002 (EA), Birnie 480 (EA), Kokwaro 2524 (EA).

Gnidia kraussiana Meisn. Habit: Herb. Habitat: Grassland & rocky hillside, 1650–2650 m. Voucher: Lind 2845 (EA).

Gnidia latifolia (Oliv.) Gilg. Habit: Shrub. Habitat: Bushed grassland, 1–1950 m. Vouchers: SAJIT 006814 (EA, HIB), FOKP 10914 (EA, HIB).

Gnidia lamprantha Gilg. Habit: Shrub. Habitat: Woodland, Bushland, 1200–2150 m. Vouchers: FOKP 11267 (EA, HIB), Webster 8740 (EA).

Struthiola thomsonii Oliv. Habit: Shrub. Habitat: Rocky grassland, 2000–3500 m. Vouchers: SAJIT 004793 (EA, HIB), Mbuni 104 (EA), Bogdan 4516 (EA), Wamukoya 128 (EA), Rauh 676 (EA).

F82. Moringaceae
1 Genus, 1 Species

Moringa oleifera Lam. Habit: Tree. Habitat: Grassland, Bushland, 15–1350 m. Voucher: Bogdan 4517A (EA).

F83. Salvadoraceae
1 Genus, 1 Species

Salvadora persica L. Habit: Herb. Habitat: Grassland, Bushland, 1–1850 m. Voucher: FOKP 1253 (EA, HIB).
F84. Resedaceae
1 Genus, 1 Species

*Caylusea abyssinica* (Fresen.) Fisch. & C.A. Mey. Habit: Herb. Habitat: Disturbed, medium altitude, 1100–2800 m. Vouchers: FOKP 11511 (EA, HIB), Mbuni 247 (EA).

F85. Capparaceae
4 Genera, 6 Species

*Cleome gynandra* L. Habit: Herb. Habitat: Dry bushland, 1–2200 m. Voucher: Mabberley & McCall 100 (EA).

*Cadaba farinosa* Forssk. Habit: Shrub. Habitat: Bushland, 1–1900 m. Vouchers: FOKP 1254 & 11338 (EA, HIB).

*Capparis erythrocarpos* Isert. Habit: Shrub. Habitat: Bushed or wooded grassland, 1100–1800 m. Voucher: Tweedie 1931 (EA).

*Maerua decumbens* (Brongn.) DeWolf Habit: Shrub. Habitat: Bushland, 1–1800 m. Voucher: FOKP 1248 (EA, HIB).

*Maerua parvifolia* Pax Habit: Shrub. Habitat: Bushland, 700–1650 m. Voucher: Tweedie 1571 (EA).

*Maerua triphylla* A. Rich. Habit: Shrub. Habitat: Bushland, 1–2300 m. Vouchers: SAJIT Z0060 (HIB), FOKP 11304 & 11332 (EA, HIB).

F86. Brassicaceae
4 Genera, 4 Species

*Arabis alpina* L. Habit: Herb. Habitat: Highland grassland, 2800–3500 m. Voucher: Mabberley & McCall 211 (EA).

*Cardamine africana* L. Habit: Herb. Habitat: Highland grassland, 2200–3300 m. Vouchers: FOKP 1723 & 11615 (EA, HIB), Mbuni 615 (EA).

*Nasturtium officinale* R. Br. Habit: Herb. Habitat: Highland streamside, 1500–2700 m. Voucher: FOKP 1731 (EA, HIB).

*Thlaspi alliaceum* L. Habit: Herb. Habitat: Bamboo forest, 3000–3500 m. Voucher: Mabberley & McCall 258 (EA).

F87. Santalaceae
4 Genera, 5 Species

*Osyridicarpos schimperianus* (Hochst. ex A. Rich.) A. DC. Habit: Shrub. Habitat: Rocky site, thickers Bushland, Grassland, 1550–2415 m. Vouchers: Mbuni 750 (EA), FOKP 11750 (EA).

*Osyris lanceolata* Hochst. & Steud. Habit: Shrub. Habitat: Rocky site, forest thicket, bushland, grassland, 900–2550 m. Vouchers: SAJIT 004835 (EA, HIB), FOKP 1093, 1094, 11269 & 11270 (EA, HIB), Mbuni 006 (EA).
**Thesium radicans** Hochst. ex A. Rich. Habit: Herb. Habitat: Grassland, 1800–3000 m. Voucher: SAJIT 006858 (EA, HIB).

**Thesium ussanguense** Engl. Habit: Herb. Habitat: Grassland, around 2100 m. Voucher: Friis & Hansen 2508 (EA).

**Viscum tuberculatum** A. Rich. Habit: Parasitic herb. Habitat: Dry woodland forest, 1650–2400 m. Vouchers: SAJIT 006852 & 007078 (EA, HIB), FOKP 1106 & 10952 (EA, HIB), Mbuni 727 (EA).

**F88. Loranthaceae**

6 Genera, 11 Species

**Englerina woodfordioides** (Schweinf.) Balle. Habit: Shrub. Habitat: Montane forest, 1600–3050 m. Vouchers: SAJIT 006885 & 006905 (EA, HIB), FOKP 1029 & 11631 (EA, HIB), Mbuni 631 (EA), Bogdan 4512 (EA), Mabberley 33 (EA).

**Erianthemum dregii** (Eckl. & Zeyh.) Tiegh. Habit: Shrub. Habitat: Bushland, 0–2950 m. Vouchers: SAJIT 004846 & 004847 (EA, HIB), FOKP 1103 & 11329 (EA, HIB).

**Oncocalyx fischeri** (Engl.) M.G. Gilbert Habit: Shrub. Habitat: Bushland, 550–2100 m. Vouchers: Lucas 175 (EA), Kazuaki 28 (EA).

**Oncocalyx sulfureus** (Engl.) Wiens & Polhill Habit: Shrub. Habitat: Dry upland forest, Bushland, 550–2680 m. Voucher: SAJIT Z0024 (EA, HIB).

**Oncocalyx ugogensis** (Engl.) Wiens & Polhill Habit: Shrub. Habitat: Dry Bushland 10–1425 m. Voucher: Carter & Stannard 79 (EA).

**Phragmanthera dschallensis** (Engl.) M.G. Gilbert. Habit: Shrub. Habitat: Wooded grassland, 1400–1900 m. Vouchers: SAJIT 006865 (EA, HIB), FOKP 11373 (EA, HIB), Mbuni 109 (EA), Wiens 4504 (EA).

**Phragmanthera usuiensis** (Oliv.) M.G. Gilbert. Habit: Shrub. Habitat: Montane forest, 1150–2600 m. Vouchers: SAJIT 004841 (EA, HIB), FOKP 11323 (EA, HIB).

**Plicosepalus curviflorus** (Benth. ex Oliv.) Tiegh. Habit: Shrub. Habitat: Wooded grassland, 500–2320 m. Vouchers: FOKP 11340 & 1258 (EA, HIB), Webster 8813 (EA).

**Plicosepalus meridianus** (Danser) Wiens & Polhill Habit: Shrub. Habitat: Dry bushland, 100–1550 m. Vouchers: Tweedie 2974 (EA), Archer 494 (EA).

**Plicosepalus sagittifolius** (Engl.) Danser Habit: Shrub. Habitat: Dry bushland & wooded grassland, 150–2100 m. Voucher: Lucas 186 (EA).

**Tapinanthus buvumae** (Rendle) Danser Habit: Climber. Habitat: Wooded grassland, up to 1980 m. Vouchers: SAJIT 004831 & 005060 (EA, HIB).

**F89. Plumbaginaceae**

1 Genus, 1 Species

**Plumbago zeylanica** L. Habit: Shrub. Habitat: Dry bushland, 700–1860 m. Voucher: Mabberley 87 (EA).
F90. Polygonaceae
3 Genera, 9 Species

**Harpagocarpus snowdenii** Hutch. & Dandy Habit: Herb. Habitat: Highland forest up to 1650 m. Vouchers: FOKP 11541 (EA, HIB), Mbuni 278 (EA).

**Persicaria decipiens** (R. Br.) K.L. Wilson Habit: Herb. Habitat: Waterside grassland, 1000–3170 m. Vouchers: FOKP 978 & 1129 (EA, HIB).

**Persicaria nepalensis** (Meisn.) Miyabe Habit: Shrub. Habitat: Wet forest zones, 2250–3500 m. Vouchers: SAJIT 004740 (EA HIB), Mbuni 043 (EA), Ivens 1250 (EA).

**Persicaria senegalensis** (Meisn.) Soják Habit: Herb. Habitat: Waterside grassland up to 2850 m. Vouchers: FOKP 11730 (EA, HIB), Mbuni 730(EA).

**Persicaria setosula** (A. Rich.) K.L. Wilson Habit: Herb. Habitat: Higher altitudes in waterside, 1330–3000 m. Vouchers: FOKP 1734, 11307 & 11357 (EA, HIB), Mbuni 043 & 093 (EA).

**Persicaria strigosa** (R. Br.) Nakai Habit: Herb. Habitat: Grassland, 1600–3000 m. Voucher: Ivens 1250 (EA).

**Rumex abyssinicus** Jacq. Habit: Herb. Habitat: Upper forest levels, 1600–2800 m. Voucher: Townsend 2385 (EA).

**Rumex steudelii** Hochst. ex A. Rich. Habit: Herb. Habitat: Upper forest, streamside, around 1200 m. Vouchers: FOKP 1203 & 1225 (EA, HIB), Mbuni 089 (EA, HIB).

**Rumex usambarensis** (Dammer) Dammer. Habit: Herb. Habitat: Secondary shrubland, 900–2300 m. Vouchers: FOKP 11565 (EA, HIB), Mbuni 302 (EA).

F91. Caryophyllaceae
4 Genera, 7 Species

**Cerastium afromontana** T.C.E. Fr. Habit: Herb. Habitat: Grassland, 2300–3500 m. Voucher: Symes 648 (EA).

**Cerastium lanceolatum** (Poir.) Volponi Habit: Herb. Habitat: Wet Grassland, 1500–3500 m. Vouchers: SAJIT 006860 (EA, HIB), FOKP 1063 (EA, HIB).

**Cerastium octandrum** Hochst. ex A. Rich. Habit: Herb. Habitat: Grassland, 2500–3500 m. Voucher: Knight 95 (EA).

**Lychnis crassifolia** (T.C.E. Fr.) M. Popp Habit: Herb. Habitat: Grassland, 3150–3350 m. Voucher: Thulin & Tidigs 232 & 3150 (EA).

**Silene gallica** L. Habit: Herb. Habitat: Alpine zone, 1900–3500 m. Vouchers: FOKP 1801 & 11306 (EA, HIB), Mbuni 042 (EA), Symes 125 (EA).

**Stellaria mannii** Hook. f. Habit: Herb. Habitat: Wet highland forest, 1550–2500 m. Vouchers: FOKP 1121 & 1224 (EA, HIB).

**Stellaria sennii** Chiov. Habit: Herb. Habitat: Wet highland forest, 2020–3500 m. Vouchers: Mabberley & McCall 203 (EA), Thulin & Tidigs 238 (EA).
F92. Amaranthaceae
7 Genera, 11 Species.

*Achyranthes aspera* L. Habit: Herb. Habitat: Woodland, disturbed dry places, 0–3080 m. Vouchers: Mbuni 81 (EA), FOKP 11345 (EA, HIB).

*Achyranthes aspera var. sicula* L. Habit: Herb. Habitat: Disturbed dry places, 0–3080 m. Voucher: Part II Botany 15 (EA).

*Aerva lanata* (L.) Juss. Habit: Shrub. Habitat: Open ground, 1–2200 m. Vouchers: FOKP 11485 (EA, HIB), Mbuni 221 (EA).

*Amaranthus hybridus* L. Habit: Herb. Habitat: Disturbed ground, 1500–2600 m. Vouchers: FOKP 11516 (EA, HIB), Mbuni 252 (EA).

*Amaranthus spinosus* L. Habit: Herb. Habitat: Wooded grassland, 0–2000 m. Vouchers: FOKP 11486 (EA, HIB), Mbuni 222 (EA).

*Celosia anthelminthica* Asch. Habit: Climber. Habitat: Dry bushland 500–2300 m. Voucher: Mabberley & McCall 107 (EA).

*Chenopodium opulifolium* Schrad. ex W.D.J. Koch & Ziz. Habit: Herb. Habitat: Cultivated land, roadside, waste places, 1600–2300 m. Vouchers: FOKP 11342 (EA, HIB), Mbuni 078 (EA).

*Cyathula cylindrica* Moq. Habit: Herb. Habitat: Rocky scarps with bushland, 1300–3240 m. Voucher: SAJIT 007115 (EA, HIB).

*Cyathula polyccephala* Baker Habit: Herb. Habitat: Grassland, woodland, 1600–3000 m. Voucher: FOKP 1126 (EA, HIB).

*Cyathula uncinulata* (Schrad.) Schinz. Habit: Herb. Habitat: Forest edges, 1500–2900 m. Vouchers: FOKP 1126 (EA, HIB), Part II Botany 26 (EA).

*Pupalia lappacea* (L.) Juss. Habit: Herb. Habitat: Dry bushland, 10–2060 m. Vouchers: FOKP 11693 & 11721 (EA, HIB), Mbuni 693 & 721 (EA).

F93. Phytolaccaceae
1 Genus, 2 Species

*Phytolacca dodecandra* L’Hér. Habit: Shrub. Habitat: Moist forest margin, Riverine forest, 1650–2450 m. Vouchers: SAJIT 004749 & 006884 (EA, HIB), FOKP 969 & 1038 (EA, HIB).

*Phytolacca octandra* L. Habit: Shrub. Habitat: Moist forest margin, 1500–2400 m. Vouchers: SAJIT 004776, 005085 (EA, HIB), FOKP 1111 & 11327 (EA, HIB), Mbuni 063 (EA).

F94. Nyctaginaceae
1 Genus, 1 Species

*Boerhavia plumbaginea* Cav. Habit: Herb. Habitat: Grassland, 600–2030 m. Voucher: FOKP 1250 (EA, HIB).
F95. Molluginaceae
1 Genus, 1 Species

*Corrigiola litoralis* L. Habit: Herb. Habitat: Mountain grassland roadside, 2350–3500 m. Voucher: Mabberley & McCall 220 (EA).

F96. Basellaceae
1 Genus, 1 Species

*Basella alba* L. Habit: Shrub. Habitat: Riverine forest margin and hedges, 1500–3000 m. Vouchers: FOKP 982 & 11355 (EA, HIB), Mbuni 091 (EA).

F97. Talinaceae
1 Genus, 2 Species

*Talinum caffrum* (Thunb.) Eckl. & Zeyh. Habit: Herb. Habitat: Bushland, 1000–2000 m. Voucher: Greenway 9890 (EA).

*Talinum arnotii* Hook. f. Habit: Herb. Habitat: Grassland, 800–2000 m. Voucher: Carter & Stannard 62 (EA).

F98. Cactaceae
1 Genus, 1 Species

*Rhipsalis baccifera* (J.S. Muell.) Stearn Habit: Epiphyte. Habitat: Dry forest, 150–2300 m. Voucher: FOKP 988 (EA, HIB).

F99. Cornaceae
1 Genus, 1 Species

*Cornus volkensii* Harms Habit: Tree. Habitat: Bamboo zone, wet upland, 2100–3200 m. Vouchers: SAJIT 006804 & 007123 (EA, HIB), FOKP 1058, 11445, 10904 & 11544 (EA, HIB), Mbuni 181 & 281 (EA).

F100. Balsaminaceae
1 Genus, 9 Species

*Impatiens elegantissima* Gilg Habit: Herb. Habitat: Streamsides in wet forest, 1000–2750 m. Vouchers: Hepper & Field 5017, Maas 4774 (EA), Webster 8737 (EA).

*Impatiens hochstetteri* Warb. Habit: Herb. Habitat: Streamsides in wet forest, 1000–2750 m. Vouchers: SAJIT 004858, 005097 & Z0014 (EA, HIB), FOKP 1303 & 11382 (EA, HIB), Knox 3355 (EA), Mabberley 485 (EA).

*Impatiens hoehnelii* T.C.E. Fr. Habit: Herb. Habitat: Upper forest level, 1500–3470 m. Vouchers: SAJIT 006810 (EA, HIB), FOKP 10910 (EA, HIB), Hughes 2 (EA).
Impatiens irvingii Hook. f. Habit: Herb. Habitat: Wet forest floor up to 2000 m. Voucher: Webster 8738 (EA).

Impatiens meruensis Gilg. Habit: Herb. Habitat: Highland forest, marshes and streamside, 1000–3550 m. Vouchers: SAJIT 004780 (EA, HIB), FOKP 1720, 11385 & 11528 (EA, HIB), Mbuni 120 & 264 (EA), Lind 2828 (EA).

Impatiens meruensis subsp. cruciata (T.C.E. Fr.) Grey–Wilson. Habit: Herb. Habitat: Highland forest, marshes & streamside, 1000–3550 m. Vouchers: SAJIT 005089 (EA, HIB), FOKP 11643 (EA, HIB), Mbuni 643 (EA), Lind 2828 (EA), Knox 3356 (EA).

Impatiens pseudoviola Gilg Habit: Herb. Habitat: Lower Highland forest, 1500–3300 m. Voucher: Hughes 1 (EA).

Impatiens sodenii Engl. & Warb. Habit: Herb. Habitat: Escarpment zones with frequent mist, 1000–2700 m. Vouchers: SAJIT 004733 (EA, HIB).

Impatiens tinctoria A. Rich Habit: Herb. Habitat: Highland forest areas, streamside, 1800–3550 m. Vouchers: SAJIT 004789 & 006819 (EA, HIB), FOKP 10919, 11356 &11644 (EA, HIB), Webster 8737 (EA), Mbuni 092 & 644 (EA).

F101. Sapotaceae
2 Genera, 2 Species

Chrysophyllum oliviforme subsp. angustifolium (Lam.) T.D. Penn. Habit: Tree. Habitat: Moist forest, 1500–2200 m. Voucher: FOKP 1067 (EA, HIB).

Pouteria adolfi–friedericii (Engl.) A. Meeuse Habit: Tree. Habitat: Moist forest, 1500–2400 m. Vouchers: SAJIT 006904 (EA, HIB), FOKP 11004 (EA, HIB), Colby H134 (EA).

F102. Ebenaceae
2 Genera, 3 Species

Diospyros scabra (Chiov.) Cufod. Habit: Tree. Habitat: Rocky hillsides, 400–1050 m. Voucher: FOKP 11331 (EA, HIB).

Euclea divinorum Hiern Habit: Shrub. Habitat: Bushed grassland, 1–2700 m. Vouchers: FOKP 1099, 1107 & 11461 (EA, HIB), Mbuni 197 & 743 (EA).

Euclea racemosa L. Habit: Tree. Habitat: Bushland, 1–2250 m. Vouchers: FOKP 11659 (EA, HIB), Mbuni 659 (EA).

F103. Primulaceae
4 Genera, 5 Species

Anagallis hexamera P. Taylor. Habit: Herb. Habitat: streamside marshes, 2275–2600 m. Voucher: Hale 209 (EA).

Anagallis Serpens subsp. meyeri–johannis (Endl.) P. Taylor Habit: Herb. Habitat: Upland dry forest, 2600–3550 m. Vouchers: FOKP 988 (EA, HIB), Thulin & Tidigs 221 (EA).
**Maesa lanceolata** Forssk. Habit: Shrub. Habitat: Widespread secondary forest, Forest margin, 1300–2853 m. Vouchers: SAJIT 004770 & 005138 (EA, HIB), FOKP 1033 (EA, HIB).

**Myrsine africana** L. Habit: Shrub. Habitat: Upland dry forest, 1500–3000 m. Vouchers: SAJIT 004801 (EA, HIB), FOKP 11385 (EA, HIB), Mbuni 009 & 757 (EA), Hepper & Field 5027 (EA), Lind & Agnew 5160 (EA).

**Rapanea melanophloeos** (L.) Mez. Habit: Tree. Habitat: Upland forest, to the edge of moorland, 1200–3550 m. Vouchers: SAJIT 006806 (EA), FOKP 10906 & 11267 (EA, HIB), Mbuni 003 (EA), Knight 87 (EA).

**F104. Ericaceae**
2 Genera, 6 Species

**Agarista salicifolia** (Lam.) G. Don Habit: Tree. Habitat: Secondary forest, high altitude bushland, forest edge, 2100–3300 m. Vouchers: SAJIT 004758 (EA, HIB), FOKP 1086 & 1717 (EA, HIB), Friis & Hansen 2513 (EA), Thulin & Tidigs 257 (A).

**Erica arborea** L. Habit: Shrub. Habitat: Heath, woodland, Rocky, bushland, 2300–2700 m. Vouchers: SAJIT 004801 (EA, HIB), Thulin & Tidigs 92 (EA).

**Erica filago** (Alm & T.C.E. Fr.) Beentje Habit: Shrub. Habitat: Heath zones, 2500–3550 m. Voucher: Thulin & Tidings 257 (EA).

**Erica silvatica** (Welw. ex Engl.) Beentje Habit: Shrub. Habitat: Moorlands, alpine zones, 2300–3550 m. Voucher: Bogdan 4984 (EA).

**Erica ventricosa** Thunb. Habit: Shrub. Habitat: Boggy moorlands, heath zones, 2500–3550 m. Voucher: SAJIT 004807 (EA, HIB).

**Erica whyteana** Britten Habit: Shrub. Habitat: Wooded grassland, 2700–3550 m. Vouchers: Thulin & Tidings 89 (EA), Bogdan 4999 (EA).

**F105. Rubiaceae**
25 Genera, Species 64

**Agathisanthemum globosum** (Hochst. ex A. Rich.) Klotzsch Habit: Herb. Habitat: Wooded grassland, 1600–2170 m. Vouchers: Lewis 5987 (EA), Blake 2132 (EA).

**Anthospermum usambarense** K. Schum. Habit: Shrub. Habitat: Ericaceous belt, alpine bushland, 2150–3550 m. Voucher: Thulin & Tidigs 251 (EA).

**Anthospermum herbaceum** L. f. Habit: Herb. Habitat: Forest edge, wet forest zone, 1560–2650 m. Vouchers: Mbuni 029 (EA, HIB), Symes 211 (EA).

**Conostomium quadrangulare** (Rendle) Cufod. Habit: Herb. Habitat: Rocky bushland, 60–1950 m. Voucher: Napier 2067 (EA).

**Coffea eugenioides** S. Moore Habit: Shrub. Habitat: Dry bushland, 1450–2250 m. Voucher: Thomas 232 (EA).

**Fadogia cienkowskii** Schweinf. Habit: Shrub. Habitat: Wooded grassland, 1800–1950 m. Voucher: Napier 2005 (EA).
Fagaropsis angolensis (Engl.) H.M. Gardner Habit: Tree. Habitat: Dry Forest, 1150–2100 m. Voucher: Lindsay 16 (EA).

Galiniera coffeoides Delile Habit: Shrub. Habitat: Moist forest, 1850–2400 m. Vouchers: Friis & Hansen 2552 (EA), Dale 907 (EA).

Galiniera saxifraga (Hochst.) Bridson Habit: Shrub. Habitat: Moist forest, 1850–2400 m. Vouchers: SAJIT 005072 & 006795 (EA, HIB), FOKP 936, 1074, 10895, 11361 & 11412 (EA, HIB), Mbuni 148 (EA).

Galium aparine L. Habit: Climber. Habitat: Grassland, 1600–3200 m. Voucher: SAJIT 006856 (EA, HIB).

Galium aparoides Forssk. Habit: Climber. Habitat: Montane forest edges, 1600–3500 m. Vouchers: FOKP 11404 (EA, HIB), Mbuni 030 (EA), Verdcourt & Taylor et al. 2434 (EA).

Galium scioanum Chiov. Habit: Herb. Habitat: Moist woodland, 1800–2700 m. Vouchers: FOKP 1138 & 11536 (EA, HIB), Mbuni 272 (EA), Thulin & Tidings 175 (EA), Tweedie 2699 (EA).

Galium kenyanum Verdc. Habit: Herb. Habitat: Alpine grassland, 2880–3540 m. Voucher: Tweedie 3864 (EA), Mabberley 51 (EA).

Galium ruwenzoriense (Cortesi) Ehrend. Habit: Herb. Habitat: Forest edges & bushland, 2700–3500 m. Vouchers: Knox 3387 (EA), Thulin & Tidigs 101 (EA).

Galium thunbergianum Eckl. & Zeyh. Habit: Herb. Habitat: Montane forest, 2050–3550 m. Vouchers: SAJIT 006857 (EA, HIB), FOKP 1060 (EA, HIB), Knox 3376 (EA).

Gardenia ternifolia Schumach. & Thonn. Habit: Tree. Habitat: Wooded grassland, riverine, 1100–2500 m. Voucher: Champion 189 (EA).

Gardenia volkensii K. Schum. Habit: Shrub. Habitat: Riverine woodland, wooded grassland, 1–1750 m. Vouchers: SAJIT 006878 (EA, HIB), FOKP 11310 (EA, HIB), Rindsay 1958 (EA).

Keetia gueinzii (Sond.) Bridson. Habit: Climber. Habitat: Moist forest, bushland, riverine, 1300–2500 m. Vouchers: SAJIT 004819 & 005066 (EA, HIB), FOKP 1017 (EA, HIB), Mbuni 052 (EA, HIB), Mabberley 155 (EA), Lind 2849 (EA), Friis & Hansen 2545 (EA).

Kohautia coccinea Royle Habit: Shrub. Habitat: Riverine woodland, rocky bushland, dry grassland, 1250–2500 m. Vouchers: Faden 144 (EA), Symes 208 (EA).

Meyna tetraphylla (Schweinf. ex Hiern) Robyns. Habit: Shrub. Habitat: Riverine woodland, rocky bushland, 1–1400 m. Voucher: Faden 77 & 792 (EA).

Mitracarpus villosus (Sw.) DC. Habit: Herb. Habitat: As weed on cultivated ground, 60–1400 m. Voucher: SAJIT Z0008 (HIB).

Oldenlandia corymbosa var. nana (Bremek.) Verdc. Habit: Herb. Habitat: Dry areas, 1–2500 m. Voucher: Symes 754 (EA).

Oldenlandia corymbosa var. caespitosa (Benth.). Habit: Herb. Habitat: Dry areas, 1–2500 m. Voucher: Verdcourt 736 (EA).

Oldenlandia herbacea (L.) Roxb. Habit: Herb. Habitat: Dry grassland, 75–2400 m. Vouchers: FOKP 11315 (EA, HIB), Mbuni 051 (EA).
Oldenlandia lancifolia (Schumach.) DC. Habit: Herb. Habitat: Wooded grassland, 400–2350 m. Voucher: SAJIT 007055 (EA, HIB).

Oldenlandia monanthos (Hochst. ex A. Rich.) Hiern: Habit: Herb. Habitat: Montane grassland, 1650–3150 m. Vouchers: SAJIT 006820 (EA, HIB), FOKP 10920 (EA, HIB).

Oxyanthus speciosus DC. Habit: Tree. Habitat: Forest riverine, 1400–2200 m. Vouchers: SAJIT 006898 (EA, HIB), FOKP 1275, 1736 & 11463 (EA, HIB), Mbuni 199 (EA).

Oxyanthus speciosus subsp. stenocarpus (K. Schum.) Bridson Habit: Tree. Habitat: Riverine forest, 1400–2200 m. Voucher: SAJIT 007095 (EA, HIB).

Pavetta abyssinica Fresen. Habit: Shrub. Habitat: Forest riverine, secondary bushland, 1500–2550 m. Vouchers: SAJIT 005069 (EA, HIB), FOKP 1084, 1719 & 11607 (EA, HIB), Mbuni 607 (EA).

Pavetta crassipes K. Sch. Habit: Shrub. Habitat: Wooded grassland, 900–1500 m. Voucher: Nyamwaya 28 (EA).

Pavetta dolichantha Bremek. Habit: Shrub. Habitat: Bushland and rocky slopes, 750–1650 m. Voucher: Tweedie 3029 (EA).

Pavetta elliottii K. Schum. & K. Krause. Habit: Shrub. Habitat: Bushland, grassland, forest margin, 1400–1900 m. Voucher: Pole et al. 1512 (EA).

Pavetta gardenifolia Hochst. ex A. Rich. Habit: Shrub. Habitat: Rocky, bushland, 7005–2500 m. Vouchers: FOKP 11429 (EA, HIB), Mbuni 165 (EA).

Pentas decora S. Moore. Habit: Herb. Habitat: Wooded grassland, 1590–2700 m. Voucher: Lucas 200 (EA).

Pentas lanceolata (Forssk.) Deflers. Habit: Shrub. Habitat: Forest edge, 1200–2830 m. Voucher: Paswa 49 (EA).

Pentas lanceolata var. leucaster (K. Krause) Verdc. Habit: Herb. Habitat: Forest edges, 1200–2830 m. Vouchers: Napier 1902 (EA), Lind 5093 (EA).

Pentas longiflora Oliv. Habit: Herb. Habitat: Bushed grassland, 500–2500 m. Vouchers: FOKP 1095, 11299 & 11621 (EA, HIB), Mbuni 621 (EA).

Pentas parvifolia Hiern. Habit: Shrub. Habitat: Bushed grassland, 650–2400 m. Vouchers: FOKP 11467 (EA, HIB), Mbuni 203 (EA).

Pentas schimperiana Vatke Habit: Herb. Habitat: Forest clearing, 2100–2700 m. Vouchers: SAJIT 004741 (EA, HIB), FOKP 1008 (EA, HIB), Tweedie 2801 (EA), Gardener 2852 (EA).

Pentanisia ouranogyne S. Moore. Habit: Herb. Habitat: Grassland, 300–2400 m. Voucher: Thomasson & Hansson 91A (EA).

Pentanisia schweinfurthii Hiern. Habit: Herb. Habitat: Wooded grassland, 1500–2480 m. Voucher: Symes 278 (EA).
Psychotria fractinervata E.M.A. Petit Habit: Shrub. Habitat: Ocotea forest, 1900–2550 m. Voucher: FOKP 1873 (EA, HIB).

Psychotria kirkii Hiern. Habit: Shrub. Habitat: Bushland, Wooded grassland, 250–2250 m. Vouchers: FOKP 11298 & 11437 (EA, HIB), Mbuni 173 (EA).

Psychotria mahonii var. puberula (E.M.A. Petit) Verdc. Habit: Tree. Habitat: Swampy forest, riverine, 1400–2400 m. Voucher: Gardener 1398a (EA).

Psychotria mahonii var. pubescens (Robyns) Verdc. Habit: Tree. Habitat: Swampy forest, riverine, 1400–2400 m. Voucher: Tweedie 2801 (EA).

Pyrex schimperiana (A. Rich.) Bridson Habit: Tree. Habitat: Riverine, 1400–2400 m. Vouchers: FOKP 11474 (EA, HIB), Mbuni 210 (EA).

Richardia brasiliensis Gomes Habit: Herb. Habitat: Grassland, 1500–2010 m. Voucher: FOKP 11489 (EA, HIB), Mbuni 225 (EA).

Rubia cordifolia L. Habit: Herb. Habitat: Woodland clearings, riverine bushland, 1240–3120 m. Voucher: Mungai 84 & 128 (EA).

Rutidea orientalis Bridson Habit: Shrub. Habitat: Woodland, 1400–2400 m. Vouchers: SAJIT 006891 (EA, HIB), FOKP 10991 (EA, HIB).

Rytigynia neglecta (Hiern) Robyns Habit: Tree. Habitat: Riverine forest, 1350–2200 m. Vouchers: FOKP 1809 (EA, HIB), Paswa 54 (EA).

Rytigynia ubiligii (K. Schum. & K. Krause) Verdc. Habit: Tree. Habitat: Wet forest, 1050–2400 m. Vouchers: FOKP 11404, 11452 & 11603 (EA, HIB), Mbuni 140, 188 & 603 (EA, HIB).

Spermacoce minutiflora (K. Schum.) Verdc. Habit: Herb. Habitat: Woodland, grassland, 1500–2350 m. Voucher: Napier 1973 (EA).

Spermacoce princeae (K. Schum.) Verdc. Habit: Herb. Habitat: Wet forest, 1470–2650 m. Vouchers: SAJIT 006926 (EA, HIB), FOKP 1129 (EA, HIB).

Spermacoce sphaerostigma (A. Rich.) Habit: Herb. Habitat: Grassland, 900–2200 m. Voucher: Symes 198 & 756 (EA).

Coptosperma graveolens (S. Moore) Bremek. Habit: Tree. Habitat: Bushland, forest thicket, 1–2500 m. Vouchers: FOKP 11429 (EA, HIB), Mbuni 165 (EA).

Coptosperma pavettoideus (Harv.) Sim Habit: Shrub. Habitat: Secondary bushland, 1200–1750 m. Voucher: FOKP 1009 (EA, HIB).

Vangueria apiculata K. Schum. Habit: Tree. Habitat: Thickets, riverine, wooded grassland, bushland, 950–2300 m. Vouchers: SAJIT 004742 & 005061 (EA, HIB), Nyamwaya 31 (EA).

Vangueria infausta Burch. Habit: Shrub. Habitat: Thickets, riverine, wooded grassland, bushland, 1–2100 m. Vouchers: SAJIT 006853 (EA, HIB), FOKP 10953 (EA, HIB).

Vangueria linearisepala K. Schum. Habit: Shrub. Habitat: Wooded grassland, bushland, 750–2100 m. Voucher: Friis & Hansen 2539 (EA).

Vangueria madagascariensis J.F. Gmel. Habit: Tree. Habitat: Riverine, wooded grassland, bushland, 750–2100 m. Vouchers: Mbuni 751 (EA), Maundu & Musya 31 (EA).

Vangueria volkensii K. Schum. Habit: Tree. Habitat: Riverine, bushland, 900–2300 m. Vouchers: FOKP 956, 1023, 1075 & 11405 (EA, HIB), Mbuni 141, 738 (EA), Bridson 105 (EA).
F106. Gentianaceae
3 Genera, 11 Species

Chironia elgonensis Bullock. Habit: Herb. Habitat: Swamps, 1705–2325 m. Voucher: Symes 1406 (EA).

Sebaea brachyphylla Griseb. Habit: Herb. Habitat: Wooded grassland, 1650–3470 m. Vouchers: Thulin 218 (EA), Verdcourt 2439 (EA).

Sebaea grandis (E. Mey.) Steud. Habit: Herb. Habitat: Wooded grassland on shallow soil, 1550–2160 m. Voucher: Symes 1010 (EA).

Swertia abyssinica Hochst. Habit: Herb. Habitat: Alpine zone, 2000–3300 m. Vouchers: Mabberley 580 (EA), Nemomissa 970830 (EA).

Swertia brownii J. Shah. Habit: Herb. Habitat: Wooded grassland, 1800–2600 m. Vouchers: SAJIT 006925 (EA, HIB), FOKP 1128 (EA, HIB).

Swertia crassiuscula Gilg Habit: Herb. Habitat: Wet stony, heath, lower alpine zones, 2700–3500 m. Vouchers: Dale 3263 & 3264 (EA).

Swertia kilimandscharica Engl. Habit: Herb. Habitat: Montane, subalpine, 2100–3550 m. Vouchers: FOKP 11282 (EA), Mbuni 018 (EA), Mabberley & McCall 124 (EA), Lucas 169 (EA), Mainwaring 46 (EA).

Swertia lugardiae Bullock Habit: Herb. Habitat: Montane and subalpine grassland, 2100–3500 m. Vouchers: Sileshi 4 & 5 (EA).

Swertia tetrandra Hochst. Habit: Herb. Habitat: Disturbed upland grassland, 1800–2200 m. Voucher: SAJIT 005101 (EA, HIB).

Swertia usambarensis Engl. Habit: Herb. Habitat: Montane grassland, 1600–3500 m. Vouchers: Mabberley & McCall 264 (EA), Thulin & Tidigs 39 (EA), Symes 623 (EA).

Swertia welwitschii Engl. Habit: Herb. Habitat: Roadside, 1845–2400 m. Voucher: Jex–Blake 2122 (EA).

F107. Loganiaceae
1 Genus, 2 Species

Strychnos henningsii Gilg. Habit: Tree. Habitat: Forest thicket on rocky hills, 850–2100 m. Vouchers: SAJIT Z0035 (HIB), FOKP 11661 (EA), Mbuni 661(EA).

Strychnos mitis S. Moore Habit: Tree. Habitat: Riverine forest, 1–1950 m. Vouchers: FOKP 11464 (EA), Mbuni 200 (EA).

F108. Apocynaceae
20 Genera, 37 Species

Acokanthera oppositifolia (Lam.) Codd Habit: Shrub. Habitat: Woodland, 1450–2100 m. Voucher: FOKP 1097 (EA, HIB).

Acokanthera schimperi (A. DC.) Schweinf. Habit: Tree. Habitat: Wooded grassland, 1200–2300 m. Voucher: FOKP 11306 (EA, HIB).
**Caralluma arachnoidea** (P.R.O. Bally) M.G. Gilbert. Habit: Herb. Habitat: Rocky grassland, 100–1300 m. Voucher: Hartmann & Newton 284046 (EA).

**Caralluma dicapuae** (Chiov.) Chiov. Habit: Herb. Habitat: Rocky bushland, 700–1700 m. Voucher: FOKP 1260 (EA, HIB).

**Caralluma peckii** P.R.O. Bally Habit: Herb. Habitat: Rare in rocky bushland, 900–1150 m. Voucher: Bally 12359 (EA).

**Carissa edulis** (Forssk.) Vahl Habit: Shrub. Habitat: Bushland, thicket, grassland, 1–2550 m. Vouchers: FOKP 11681 (EA), Mbuni 681 (EA).

**Carissa spinarum** L. Habit: Shrub. Habitat: Forest edges woodland, 1–2550 m. Vouchers: FOKP 1109, 1272 & 11439 (EA, HIB), Mbuni 175 (EA).

**Ceropegia ballyana** Bullock Habit: Climber. Habitat: Dry bushland, 900–1400 m. Voucher: Masinde 683 (EA).

**Ceropegia racemosa** N.E. Br. Habit: Climber. Habitat: Evergreen forest, 1–1900 m. Voucher: FOKP 1822 (EA, HIB).

**Gomphocarpus fruticosus** subsp. **flavidus** (N.E. Br.) Goyder Habit: Shrub. Habitat: Upland grassland, 900–2900 m. Vouchers: Napier 2039 (EA), Hepper 5056 (EA).

**Gomphocarpus phillipsiae** (N.E. Br.) Goyder Habit: Shrub. Habitat: Upland grassland, 1600–3050 m. Vouchers: FOKP 11279 (EA, HIB), Mbuni 015 (EA).

**Gomphocarpus physocarpus** E. Mey. Habit: Shrub. Habitat: Upland grassland, 1800–3000 m. Vouchers: SAJIT 004771 (EA, HIB), FOKP 11300 (EA, HIB), Mbuni 056 (EA, HIB).

**Gomphocarpus stenoglossus** Schltr. Habit: Herb. Habitat: Grassland, rocky soils, 1600–3050 m. Voucher: FOKP 1817 (EA, HIB).

**Landolphia buchananii** (Hallier f.) Stapf Habit: Climber. Habitat: Riverine, 1350–2150 m. Vouchers: FOKP 1270 & 11273 (EA, HIB).

**Leptadenia lancifolia** (Schumach. & Thonn.) Decne. Habit: Climber. Habitat: Aluvial & Riverine bushland, 1650–2600 m. Voucher: Balley 12360 (EA).

**Margaretta rosea** Oliv. Habit: Herb. Habitat: Grasslands, 1600–2500 m. Voucher: Symes 280 (EA).

**Marsdenia robusta** Balf. f Habit: Climber. Habitat: bushland, 1600–2000 m. Voucher: FOKP 11310 (EA, HIB).

**Marsdenia angolensis** N.E. Br. Habit: Climber. Habitat: Shrubland and Riverine bushland, 1600–2000 m. Voucher: Tweedie 2403 (EA).

**Marsdenia rubicunda** N.E. Br. Habit: Climber. Habitat: Riverine, bushland in dry areas, 0–1300 m. Voucher: Goyder & Masinde 3952 (EA).

**Marsdenia schimperi** Decne. Habit: Climber. Habitat: Upland forest edge, 1800–2650 m. Vouchers: SAJIT 006886 (EA, HIB), FOKP 1884 & 10986 (EA, HIB).

**Mondia whitei** (Hook. f.) Skeels. Habit: Climber. Habitat: 1600–2000 m. Voucher: FOKP 998 (EA, HIB).

**Pachycarpus eximius** (Schltr.) Bullock. Habit: Herb. Habitat: Uncommon in grassland, 1600–2500 m. Voucher: Haper & Field 5038 (EA).

**Pachycarpus grantii** (Oliv.) Bullock Habit: Herb. Habitat: Montane grassland, 1850–2950 m. Voucher: Hepper et al. 5038 (EA).
**Pachycarpus lineolatus** (Decne.) Bullock Habit: Herb. Habitat: Dry wooded grassland, 1000–2700 m. Voucher: Napier 2019 (EA).

**Pachycarpus petherickianus** (Oliv.) Goyder. Habit: Herb. Habitat: 1000–2000 m. Voucher: Tweedie 380 (EA).

**Pentarrhinum gonoloboides** (Scltr.) Liede Habit: Climber. Habitat: Montane forest, 2500–3200 m. Voucher: Tweedie 3912 (EA).

**Pergularia daemia** (Forssk.) Chiov. Habit: Herb. Habitat: Upland forest, around 2050 m. Vouchers: FOKP 1268 & 11481 (EA, HIB), Mbuni 217 & 749 (EA).

**Periploca linearifolia** Quart.–Dill. & A. Rich. Habit: Climber. Habitat: Upland forest, 1900–2900 m. Vouchers: SAJIT 005059 (EA, HIB), FOKP 1076 (EA, HIB), Mbuni 044 & 622 (EA, HIB), Bridson 104 (EA), Fattan 13876 (EA).

**Saba comorensis** (Bojer ex A. DC.) Pichon. Habit: Shrub. Habitat: Riverine forest, 1–1800 m. Voucher: Mabberley & McCall 98 (EA).

**Secamone attenuifolia** Goyder Habit: Shrub. Habitat: Bushland, wooded grassland, 1000–1850 m. Voucher: Tweedie 3638 (EA).

**Stathmostelma pedunculatum** (Decne.) K. Schum. Habit: Herb. Habitat: Sandy grassland, 0–2300 m. Voucher: Lucas 190 (EA).

**Tabernaemontana stapfiana** Britten Habit: Tree. Habitat: Wet forest, 1500–2300 m. Vouchers: SAJIT 006887 (EA, HIB), FOKP 1112, 10987 (EA, HIB).

**Tylophora heterophylla** A. Rich. Habit: Climber. Habitat: Upper forest, 2600–3500 m. Vouchers: FOKP 11600 (EA), Mbuni 596 & 600 (EA), Mabberley & McCall 65 (EA).

**Tylophora lugardae** Bullock Habit: Climber. Habitat: Upland forest, 2000–2500 m. Voucher: Archer 303 (EA).

**Tylophora tenuipedunculata** K. Schum. Habit: Climber. Habitat: Upland forest up to 1500 m. Vouchers: FOKP 11453 (EA, HIB), Mbuni 189 (EA).

**Xysmalobium heudelotianum** Decne. Habit: Herb. Habitat: Dry grassland, 1500–2000 m. Voucher: Napier 1974 (EA).

F109. Boraginaceae
6 Genus, 11 Species

**Cordia africana** Lam. Habit: Tree. Habitat: Riverine, forest, wooded grassland, 1050–2100 m. Voucher: SAJIT 005062 (EA, HIB).

**Cynoglossum amplifolium** Hochst. ex A. DC. Habit: Herb. Habitat: Montane forest, 2100–3430 m. Voucher: Irwin 423 (EA).

**Cynoglossum aequinoctiale** T.C.E. Fr. Habit: Herb. Habitat: Montane grassland, 1770–2480 m. Voucher: Thulin & Tidigs 77 (EA).

**Cynoglossum cheranganiense** Verdc. Habit: Herb. Habitat: Rare in alpine grassland, heath and upper forest zone, 2480–3255 m. Vouchers: Tweedie 2984 (EA), Mabberley 207 (EA), Lucas 168 (EA).

**Cynoglossum coeruleum** Hochst. ex A. DC. Habit: Herb. Habitat: Montane forest, 1100–3200 m. Voucher: FOKP 1245 & 11435 (EA, HIB), Mbuni 171 (EA), Dale 15331 (EA).
**Ehretia cymosa** Thonn. Habit: Shrub. Habitat: Evergreen forest, dry or wet forest patches, 1050–2300 m. Vouchers: FOKP 1882 & 11625 (EA, HIB), Mbuni 625 (EA).

**Lithospermum afromontanum** Weim. Habit: Shrub. Habitat: Montane forest edges, heath woodland, 2100–3350 m. Vouchers: Tweedie 3828 (EA), Thulin & Tidings 239 (EA).

**Myosotis abyssinica** Boiss. & Reut. Habit: Herb. Habitat: Montane forest edges, heath woodland, 1560–3590 m. Voucher: Thulin & Tidings 236 (EA).

**Myosotis keniensis** T.C.E. Fr. Habit: Herb. Habitat: Alpine zones, 3150–3350 m. Voucher: Thulin & Tidings 236 (EA).

**Trichodesma physaloides** (Fenzl) A. DC. Habit: Herb. Habitat: Wooded grassland, 700–2400 m. Voucher: Mortimer 275 (EA).

**Trichodesma zeylanicum** (Burm. f.) R. Br. Habit: Herb. Habitat: Dry bushland, 250–1710 m. Vouchers: FOKP 11281 (EA), Mbuni 017 (EA).

**F110. Convolvulaceae**

7 Genera, 15 Species

**Astripomoea lachnosperma** (Choisy) A. Meeuse Habit: Herb. Habitat: Bushland, 750–2600 m. Voucher: Napier 2035 (EA, HIB).

**Astripomoea malvacea** (Klotzsch) A. Meeuse. Habit: Shrub. Habitat: Wooded grassland, 725–2240 m. Voucher: Napier 2074 (EA).

**Convolvulus kilimandschari** Engl. Habit: Climber. Habitat: Bamboo thicket, 2400–3500 m. Voucher: FOKP 1062 (EA, HIB).

**Convolvulus wightii** Wall. Habit: Herb. Habitat: Grassland, 1500–2500 m. Voucher: FOKP 1292 (EA, HIB).

**Cuscuta kilimanjari** Oliv. Habit: Climber. Habitat: Common in forest areas, 1500–2770 m. Voucher: SAJIT 006901 (EA, HIB).

**Cuscuta epilinum** Weihe Habit: Climber. Habitat: Cultivated ground, 1800–2250 m. Voucher: Schouten 58 & H348 (EA).

**Cuscuta planiflora** Ten. Habit: Climber. Habitat: Occurring on various hosts, 1500–3000 m. Vouchers: FOKP 11553 (EA, HIB), Mbuni 290 (EA).

**Ipomoea cairica** (L.) Sweet. Habit: Herb. Habitat: Swampy grassland, 6000–1950 m. Voucher: SAJIT Z0056 (EA).

**Ipomoea tenuirostris** Choisy Habit: Herb. Habitat: Bushland and thicket, 1650–2710 m. Vouchers: FOKP 1885 & 11510 (EA, HIB), Mbuni 246 (EA), Tweedie 3115 (EA), Webster 8924 (EA).

**Ipomoea crepidiformis** Hallier f. Habit: Herb. Habitat: Wooded grassland, 900–2150 m. Voucher: Champion T3 (EA).

**Ipomoea spathulata** Hallier f. Habit: Shrub. Habitat: *Acacia–Commiphora* Bushland, 610–1640 m. Vouchers: FOKP 11440 (EA) & Mbuni 176 (EA).

**Ipomoea kituiensis** Vatke. Habit: Herb. Habitat: Dry bushland, 180–1860 m. Vouchers: SAJIT 006850 (EA, HIB), FOKP 11510 & 10950 (EA, HIB), Mbuni 246 (EA).

**Ipomoea tenuirostris** Choisy Habit: Herb. Habitat: Bushland and thicket, 1650–2710 m. Voucher: Tweedie 3115 (EA).
**Stictocardia beraviensis** (Vatke) Hallier f. Habit: Shrub. Habitat: Bushland, 900–1800 m. Voucher: Honore 3451 (EA).

**Turbina stenosiphon** (Hallier f.) A. Meeuse Habit: Climber. Habitat: Bushland and in rocky areas, 900–1800 m. Voucher: Tweedie 1926 (EA).

**F111. Solanaceae**

5 Genera, 18 Species

*Cestrum aurantiacum* Lindl. Habit: Shrub. Habitat: Cultivated and disturbed ground, 1000–2500 m. Vouchers: FOKP 1020 (EA, HIB), Mbuni 085 (EA, HIB).

*Discopodium penninervium* Hochst. Habit: Shrub. Habitat: Bamboo zone, 2900–3300 m. Voucher: FOKP 1891 (EA, HIB).

*Physalis lagascae* Roem. & Schult. Habit: Herb. Habitat: Cultivated and disturbed ground, 40–1850 m. Voucher: Meyerhoff 12 (EA).

*Physalis peruviana* L. Habit: Herb. Habitat: Cultivated and naturalized, 1700–2480 m. Voucher: Mabberley & McCall 108 (EA).

*Solanum aculeastrum* Dunal. Habit: Shrub. Habitat: Forest margin, 1800–2650 m. Vouchers: FOKP 935 & 11364 (EA, HIB), Mbuni 100 (EA), Symes 635 (EA).

*Solanum aculeatissimum* Jacq. Habit: Herb. Habitat: Montane forest, 1425–2640 m. Voucher: FOKP 11397 (EA), Mbuni 133 (EA), Hepper & Field 4985 (EA).

*Solanum anguivi* Lam. Habit: Shrub. Habitat: Cultivated, 1230–2700 m. Vouchers: SAJIT 005143 (EA, HIB), FOKP 966 & 11535 (EA, HIB), Mbuni 271 (EA), Hepper & Field 4986 (EA).

*Solanum betaceum* Cav. Habit: Shrub. Habitat: Cultivated, 1200–2800 m. Voucher: FOKP 1879 (EA, HIB).

*Solanum campylacanthum* Hochst. Habit: Shrub. Habitat: Cultivated, 1030–2000 m. Vouchers: FOKP 1296 & 11480 (EA, HIB), Mbuni 216 (EA).

*Solanum giganteum* Jacq. Habit: Shrub. Habitat: Forest margin, Undergrowth, 1500–2400 m. Vouchers: FOKP 11365 (EA, HIB) & Mbuni 100 (EA).

*Solanum hastifolium* Dunal Habit: Shrub. Habitat: Dry bushland or grassland, 50–1400 m. Voucher: Carter & Stannard 59 (EA).

*Solanum mauense* Bitter Habit: Shrub. Habitat: Secondary forest, 1800–2700 m. Vouchers: SAJIT 004754 & 004774 (EA, HIB), FOKP 11291 (EA, HIB), Mbuni 027 (EA).

*Solanum mauritianum* Scop. Habit: Tree. Habitat: Cultivation, 1450–2750 m. Vouchers: FOKP 1069 & 11397 (EA, HIB), Mbuni 133 (EA).

*Solanum nakurense* C.H. Wright. Habit: Shrub. Habitat: Upland bushland, 900–2950 m. Vouchers: FOKP 1006 & 11605 (EA, HIB), Mbuni 605 (EA), Hepper & Field 4976 (EA), Webster 8918 (EA).

*Solanum nigrum* L. Habit: Shrub. Habitat: Cultivated, 0–3070 m. Vouchers: FOKP 11341 (EA, HIB), Mbuni 077 (EA), Webster 8918 (EA).

*Solanum sessilistellatum* Bitter. Habit: Shrub. Habitat: Montane rain forest, 2130–2990 m. Vouchers: FOKP 11379 (EA, HIB), Mbuni 115 (EA), Jackson 2424 (EA).
Solanum terminale Forssk. Habit: Shrub. Habitat: Riverine, thickets, 1350–2950 m. Vouchers: SAJIT 004736 (EA, HIB), FOKP 1888, 11297 (EA, HIB), Mbuni 033 (EA), Irwin 139 (EA).

Withania somnifera (L.) Dunal. Habit: Shrub. Habitat: Forest margin, 450–2250 m. Vouchers: FOKP 11384 & 14477 (EA, HIB), Mbuni 119 & 213 (EA).

F112. Oleaceae
2 Genera, 5 Species

Jasminum abyssinicum Hochst. ex DC. Habit: Climber. Habitat: Upland forest edges, bushland, open and riverine, 900–3000 m. Vouchers: SAJIT 005088 (EA, HIB), FOKP 11353 (EA, HIB), Webster 8823 (EA).

Jasminum fluminense Vell. Habit: Climber. Habitat: Dry Combretum, Albizia woods, 280–2700 m. Vouchers: SAJIT 006807 (EA, HIB), FOKP 10907 (EA, HIB).

Olea europaea subsp. africana (Mill.) P.S. Green. Habit: Tree. Habitat: Upland forest, 1150–2550 m. Voucher: SAJIT 004756 (EA, HIB).

Olea europaea subsp. cuspidata (Wall. & G. Don) Cif. Habit: Tree. Habitat: Upland evergreen forest, 950–2400 m. Voucher: FOKP 1798 (EA, HIB).

Olea africana Mill. Habit: Tree. Habitat: Upland forest, 1150–2550 m. Voucher: Lind 5088 (EA).

F113. Plantaginaceae
4 Genera, 5 Species

Callitriche oreophila Schotsman. Habit: Herb. Habitat: Bamboo zone, 1900–3500 m. Voucher: Townsend 2389 (EA).

Plantago palmata Hook. f. Habit: Herb. Habitat: Montane rain forest, Path sides, 1704–3550 m. Vouchers: FOKP 1065 & 11552 (EA, HIB), Mbuni 289 (EA), Pudwa 67 (EA).

Plantago lanceolata L. Habit: Herb. Habitat: Path sides, 1650–2750 m. Voucher: Tweedie 2806 (EA).

Sibthorpia europaea L. Habit: Herb. Habitat: Alpine zone, 1860–2345 m. Voucher: Mabberley 576 (EA).

Veronica abyssinica Fresen. Habit: Herb. Habitat: Upland grassland, woodland edges, 1560–3500 m. Voucher: Symes 516 (EA).

F114. Scrophulariaceae
7 Genera, 7 Species

Alectra asperrima Benth. Habit: Herb. Habitat: Montane wet grassland, 2000–3000 m. Voucher: Thorold 2761 (EA).
**Buddleja polystachya** Fresen. Habit: Tree. Habitat: Montane forest, Bushland, 1000–2700 m. Vouchers: SAJIT 006895 (EA, HIB), FOKP 965, 11319, 11327 & 11393 (EA, HIB), Mbuni 055 & 128 (EA).

**Cycnium tenuisectum** (Standl.) O.J. Hansen Habit: Tree. Habitat: Bushland, 1000–2700 m. Voucher: SAJIT 007119 (EA, HIB).

**Hebenstretia dentata** L. Habit: Shrub. Habitat: Grassland at around 2300 m. Voucher: Thulin 119 (EA).

**Limosella africana** Glück Habit: Herb. Habitat: Upland grassland, 1600–3500 m. Voucher: Mabberley 570 (EA).

**Selago thomsonii** Rolfe. Habit: Shrub. Habitat: Dry subalpine heathland, 1860–3380 m. Vouchers: Dale 3395 (EA), Part II Botany 5159 (EA).

**Verbascum scrophulariifolium** (Hochst.) Hub.-Mor. Habit: Herb. Habitat: Upland grassland, 1950–2635 m. Voucher: Thulin & Tidigs 44 (EA).

F115. Stilbaceae
3 Genera, 4 Species

**Halleria lucida** L. Habit: Tree. Habitat: Montane forest, Drier forests associated with cedar, podo and Bamboo, 1550–2750 m. Vouchers: SAJIT 005142 & 006802 (EA, HIB), FOKP 1014, 10902 & 11354 (EA, HIB), Mbuni 619 (EA), Agnew et al. 5076 (EA).

**Hebenstretia angolensis** Rolfe. Habit: Shrub. Habitat: Rocky heathlands, 1500–3500 m. Vouchers: Mbuni 125 (EA), Bogdan 4390 (EA).

**Nuxia congesta** R. Br. ex Fresen. Habit: Tree. Habitat: Montane forest, bamboo Zone, 1550–2850 m. Vouchers: SAJIT 005068 (EA, HIB), FOKP 11350 & 11370 (EA, HIB).

**Nuxia oppositifolia** (Hochst.) Benth. Habit: Tree. Habitat: Riverine forest, bushland, 1550–2850 m. Voucher: Honare 3716 (EA).

F116. Linderniaceae
3 Genera, 7 Species

**Craterostigma plantagineum** Hochst. Habit: Herb. Habitat: Over rocks, 1160–2300 m. Voucher: Hepper & Field 5063 (EA).

**Craterostigma pumilum** Hochst. Habit: Herb. Habitat: Over rocks, in montane, 1800–3300 m. Voucher: Hepper & Field 5026 (EA).

**Cycnium adonense** E. Mey. ex Benth. Habit: Herb. Habitat: Wooded grassland, 0–2550 m. Vouchers: Lucas 194 (EA), Symes 32 (EA).

**Lindernia abyssinica** Engl. Habit: Herb. Habitat: Shallow soil, 1800–2600 m. Voucher: Maas 4744 (EA).

**Lindernia pulchella** (Skan) Philcox Habit: Herb. Habitat: Short grassland, 400–1800 m. Voucher: Tweedie 3810 (EA).
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**Lindernia rotundifolia** (L.) Alston Habit: Herb. Habitat: Grassy marshes, 1650–1900 m. Vouchers: FOKP 1146, 1236 & 1795 (EA, HIB).

**Lindernia schweinfurthii** (Engl.) Dandy Habit: Herb. Habitat: Shallow soils, 1700–1850 m. Voucher: Lucas 174 (EA).

**F117. Pedaliaceae**
1 Genus, 2 Species

**Sesamum angolense** Welw. Habit: Shrub. Habitat: Grassland and roadside, 400–2400 m. Voucher: FOKP 1039 (EA, HIB).

**Sesamum calycinum** Welw. Habit: Herb. Habitat: Grassland and wasteland, 310–1340 m. Voucher: FOKP 1039 (EA, HIB).

**F118. Lamiaceae**
32 Genera, 68 Species

**Achyrospermum schimperi** (Hochst. ex Briq.) Perkins Habit: Shrub. Habitat: Wet streamside, 1600–3000 m. Vouchers: FOKP 11311 (EA), Mbuni 047 (EA).

**Ajuga remotata** Benth. Habit: Herb. Habitat: Montane forest, 1500–3150 m. Vouchers: FOKP 11473 (EA, HIB), Mbuni 209 (EA).

**Aeollanthus densiflorus** Ryding Habit: Herb. Habitat: wooded grassland, Rocky slopes 1730–2300 m. Voucher: FOKP 1813 (EA, HIB).

**Aeollanthus repens** Oliv. Habit: Shrub. Habitat: Wooded grassland, 1550–2700 m. Vouchers: FOKP 1031, Thulin & Tidigs 196 (EA).

**Becium decumbens** (Gürke) A.J. Paton Habit: Herb. Habitat: grassland, 1550–3200 m. Voucher: Townsend 2355 (EA).

**Bridson rotundifolium** (Briq.) A.J. Paton Habit: Herb. Habitat: Wooded grassland, 1500–2800 m. Voucher: Bridson 102 (EA).

**Clerodendrum capense** Eckl. & Zeyh. ex Schauer Habit: Shrub. Habitat: Wooded grassland, 1200–1900 m. Voucher: SAJIT 005081 (EA, HIB).

**Clerodendrum johnstonii** Oliv. Habit: Shrub. Habitat: Wet forest margin, 1200–2500 m. Vouchers: SAJIT 004723, 005081 & 006817 (EA, HIB), FOKP 10917 & 11432 (EA, HIB), Mbuni 168 & 739 (EA, HIB), Tweedie 4201 (EA).

**Clerodendrum umbellatum** Poir. Habit: Herb. Habitat: Wooded grassland, up to 1860 m. Vouchers: Napier 2007 (EA), Tweedie 2732 (EA).

**Clinopodium abyssinicum** (Benth.) Kuntze Habit: Herb. Habitat: Woodland, 1000–3000 m. Voucher: Verdcourt 2439 (EA).

**Fuerstia africana** T.C.E. Fr. Habit: Herb. Habitat: Grassland, 800–2400 m. Vouchers: FOKP 11295, 11431 & 11728 (EA, HIB), Mbuni 031, 167 & 728 (EA).

**Geniosporum paludosum** Baker. Habit: Herb. Habitat: Grassland, 1000–2500 m. Voucher: Ivens 1253 (EA).

**Hoslundia opposita** Vahl. Habit: Shrub. Habitat: Bushland wooded grassland, 1–2000 m. Vouchers: FOKP 11441 (EA, HIB), Mbuni 177 (EA), Webster 8969 AE.
**Leonotis mollissima** Gürke. Habit: Herb. Habitat: Disturbed grassland, 1500–2600 m. Voucher: SAJIT 004845 (EA, HIB).

**Leonotis nepetifolia** (L.) R. Br. Habit: Shrub. Habitat: Disturbed grassland, 900–2300 m. Voucher: SAJIT 004845 (EA, HIB).

**Leonotis ocymifolia var. raineriana** (Vis.) Iwarsson. Habit: Shrub. Habitat: Montane forest zone, 1770–3360 m. Vouchers: FOKP 942 & 11311 (EA, HIB), Part II Botany 53 (EA).

**Leucas argentea** Gürke. Habit: Shrub. Habitat: Upland grassland, 1200–2710 m. Vouchers: Thulin & Tidigs 123 (EA), Dale 3408 (EA).

**Leucas calostachys var. fasciculata** (Baker) Sebald. Habit: Herb. Habitat: Grassland, 1600–2800 m. Vouchers: FOKP 1217, 11348 & 11371 (EA, HIB), Mbuni 10 & 754 (EA).

**Leucas deflexa** Hook. f. Habit: Herb. Habitat: Upland grassland, 1600–2600 m. Vouchers: SAJIT 006803 (EA, HIB), FOKP 10903 & 11312 (EA, HIB), Mbuni 048 (EA).

**Leucas masaiensis** Oliv. Habit: Herb. Habitat: Upland grassland, 1280–2735 m. Voucher: Thulin & Tidigs 272 (EA).

**Leucas martinecensis** (Jacq.) R. Br. Habit: Herb. Habitat: Disturbed soil especially on farmland, 0–2200 m. Vouchers: FOKP 11696 (EA), Mbuni 696 (EA).

**Leucas oligocephala** Hook. f. Habit: Shrub. Habitat: Wooded grassland, 1600–2990 m. Voucher: Symes 753 (EA).

**Lippia javanica** (Burm. f.) Spreng. Habit: Shrub. Habitat: Wooded bushland, 1300–2100 m. Vouchers: FOKP 11448 (EA, HIB), Mbuni 184 (EA).

**Mentha aquatica** L. Habit: Herb. Habitat: Upland forest, 1950–2600 m. Voucher: Symes 213 (EA).

**Micromeria imbricata** (Forssk.) C. Chr. Habit: Herb. Habitat: Upland dry grassland, 1580–3600 m. Vouchers: FOKP 11546 & 14499 (EA, HIB), Mbuni 235 & 283 (EA), Thulin & Tidigs 74 (EA).

**Nepeta azurea** R. Br. ex Benth. Habit: Herb. Habitat: Bushland, 1800–3600 m. Voucher: Mabberley & McCall 248 (EA).

**Ocimum americanum** L. Habit: Herb. Habitat: Bushland, Disturbed grassland, 0–1850 m. Vouchers: FOKP 11472 (EA, HIB), Mbuni 208 (EA).

**Ocimum decumbens** Gürke. Habit: Shrub. Habitat: Bushland, 1950–3000 m. Voucher: Maas 4754b (EA).

**Ocimum gratissimum** L. Habit: Shrub. Habitat: Disturbed grassland, 1100–2325 m. Voucher: Symes 156 (EA).

**Ocimum kelimandscharicum** Gürke Habit: Shrub. Habitat: Stony, Riverine grassland, 1100–2350 m. Voucher: SAJIT 004746 (EA, HIB).

**Ocimum lamiiifolium** Hochst. ex Benth. Habit: Shrub. Habitat: Montane forest, 1550–2340 m. Vouchers: FOKP 11350, 11355 & 11633 (EA, HIB), Mbuni 086 & 633 (EA, HIB), Webster 8975 (EA).

**Orthosiphon rubicundus** (D. Don) Benth. Habit: Herb. Habitat: Wooded grassland, 1600–2635 m. Voucher: Symes 73 (EA, HIB).
Orthosiphon schimperi Benth. Habit: Herb. Habitat: Wooded grassland, 1600–2635 m. Voucher: Napier 1935 (EA).

Platostoma rotundifolium (Briq.) A.J. Paton. Habit: Herb. Habitat: Swampy grassland, 1500–2800 m. Vouchers: SAJIT Z0021 (EA, HIB), FOKP 1222 (EA, HIB).

Plectranthus agnewii Lukhoba & A.J. Paton. Habit: Herb. Habitat: Rocky grassland, 1700–1900 m. Voucher: Thomas 3396 (EA).

Plectranthus amboinicus (Lour.) Spreng. Habit: Shrub. Habitat: Rocky, bushland, 130–1870 m. Voucher: Tweedie 4264 (EA).

Plectranthus autranii (Briq.) Erhardt, Götz & Seybold Habit: Shrub. Habitat: Wet forest, streamside, 1500–3000 m. Voucher: Thulin & Tidigs 176 (EA).

Plectranthus barbatus Andrews. Habit: Shrub. Habitat: Bushland, rocky grassland, 880–2950 m. Vouchers: FOKP 967, 1037, 11360, & 11425 (EA, HIB), Mbuni 160 (EA), Tweedie 4263 (EA), Symes 655 (EA).

Plectranthus bojeri (Benth.) Hedge Habit: Herb. Habitat: Grassland, 1200–2670 m. Voucher: Pole et al. 1514 (EA).

Plectranthus caninus Roth. Habit: Herb. Habitat: Disturbed dry rocky area, 1100–2500 m. Vouchers: SAJIT 004820 (EA, HIB), FOKP 11343 (EA, HIB).

Plectranthus defoliatus Hochst. ex Benth. Habit: Herb. Habitat: Open grassland, 2000–2880 m. Voucher: Tweedie 3728 (EA).

Plectranthus dupuisii (Briq.) A.J. Paton Habit: Shrub. Habitat: Grazed grassland, 2032–3000 m. Vouchers: SAJIT Z008, Symes 752.

Plectranthus edulis Agnew. Habit: Shrub. Habitat: Grassland, 2032–3000 m. Voucher: FOKP 994 (EA, HIB).

Plectranthus grandicalyx (E.A. Bruce) J.K. Morton. Habit: Shrub. Habitat: Grassland, 2000–3000 m. Voucher: Rauh 652 (EA).

Plectranthus kamerunensis Gürke Habit: Shrub. Habitat: Montane forest zone, 1500–2950 m. Vouchers: FOKP 11365 (EA, HIB), Mbuni 413 (EA).

Plectranthus lactiflorus (Vatke) Angew Habit: Shrub. Habitat: Wooded grassland, 1100–2500 m. Voucher: Webster 8980 (EA).

Plectranthus longipes Baker Habit: Herb. Habitat: Woodland, 700–2440 m. Voucher: SAJIT Z0046 (EA, HIB).

Plectranthus ornatus Codd. Habit: Herb. Habitat: Acacia, Commiphora bushland, 1000–2790 m. Voucher: Gillett 18495 (EA).

Plectranthus punctatus (L. f.) L’Hér. Habit: Herb. Habitat: Disturbed montane, bamboo forest, 1950–3350 m. Vouchers: FOKP 1132 (EA, HIB), Mbuni 090 (EA), Thulin & Tidigs 51 (EA).

Plectranthus tetradenifolius A.J. Paton Habit: Herb. Habitat: Rocky places, 950–2325 m. Voucher: Mathew 6170 (EA).

Plectranthus xylopodus Lukhoba & A.J. Paton Habit: Herb. Habitat: Dry grassland, bushland, 100–1400 m. Vouchers: SAJIT 004837 (EA, HIB), Cymes 293 (EA).

Pycnostachys eminii Gürke Habit: Shrub. Habitat: Riverine and forest margin, 1600–1800 m. Vouchers: FOKP 11734 (EA), Mbuni 734 (EA).
**Pycnostachys meyeri** Gürke ex Engl. Habit: Herb. Habitat: Bamboo zone, secondary bushland, 1900–3000 m. Vouchers: FOKP 11274, 11301 & 11346 (EA, HIB), Mbuni 010 (EA).

**Pycnostachys stubmannii** Gürke. Habit: Herb. Habitat: Marshes, 1860–2400 m. Voucher: Symes 202 (EA).

**Rotheca myricoides** (Hochst.) Steane & Mabb. Habit: Shrub. Habitat: Bushland, 1180–2120 m. Vouchers: FOKP 11566 & 11691 (EA), Mbuni 303, 691 (EA).

**Salvia merjamie** Forssk. Habit: Herb. Habitat: Grassland, 1800–3500 m. Voucher: Lucas 167 (EA).

**Salvia nilotica** Juss. ex Jacq. Habit: Herb. Habitat: Grassland, 1800–3500 m. Vouchers: FOKP 11534 & 11704 (EA, HIB), Mbuni 270 & 704 (EA), Symes 75 (EA).

**Scutellaria paucifolia** Baker Habit: Herb. Habitat: Short grassland, 1550–2200 m. Voucher: Webster 8978 (EA).

**Scutellaria Schweinfurthii** Briq. Habit: Herb. Habitat: Short grassland, 1550–1950 m. Voucher: Symes 33 (EA).

**Scutellaria violascens** Gürke Habit: Herb. Habitat: wooded grassland, 1920–2480 m. Vouchers: SAJIT 005107 (EA, HIB), Chater 1932 (EA).

**Satureja abyssinica** (Benth.) Briq. Habit: Herb. Habitat: Wooded grassland, 1920–2500 m. Vouchers: FOKP 1085, Bridson 101 (EA).

**Micromeria biflora** (Buch.-Ham. ex D. Don) Benth. Habit: Herb. Habitat: Alpine zone, 2940–3550 m. Vouchers: FOKP 11325 (EA, HIB), Mbuni 061 (EA).

**Tetradenia riparia** (Hochst.) Codd. Habit: Shrub. Habitat: Short grassland, 1180–2120 m. Vouchers: FOKP 11566 (EA, HIB), Mbuni 303 (EA).

**Tinnea aethiopica** Kotschy ex Hook. f. Habit: Shrub. Habitat: Forest thicket, forest margin, Upland woodland up to 2200 m. Vouchers: FOKP 11692, Mbuni 692 (EA), Lucas 160 (EA).

**Rotheca myricoides** (Hochst.) Steane & Mabb. Habit: Shrub. Habitat: Grazed bushland, 1180–2120 m. Vouchers: FOKP 11566 (EA, HIB), Mbuni 303 (EA).

F119. Orobanchaceae
9 Genera, 14 Species

**Alectra parasitica** A. Rich. Habit: Parasitic herb. Habitat: Dry areas, 434–1670 m. Voucher: Mabberley & McCall 276 (EA).

**Alectra sessiliflora** (Vahl) Kuntze. Habit: Parasitic herb. Habitat: Dry areas, 500–2000 m. Voucher: Bogdan 5302 (EA).

**Bartsia longiflora** Hochst. ex Benth. Habit: Shrub. Habitat: Heath vegetation, 2450–3480 m. Voucher: Mabberley 299 (EA).
**Bartsia trixago** L. Habit: Herb. Habitat: Heath vegetation, 900–3100 m. Vouchers: Symes 645 (EA), Tweedie 4201 (EA), Mabberley 589 (EA).

**Buchnera nuttii** Skan. Habit: Parasitic herb. Habitat: Wooded grassland, 1300–2170 m. Vouchers: Gardener 3723 (EA), Webster 8979 (EA).

**Buchnera scabridula** E.A. Bruce Habit: Herb. Habitat: Grassland, 2640–2940 m. Vouchers: Mabberley & McCall 303 (EA), Irwin 370 (EA).

**Buttonia natalensis** McKen ex Benth Habit: Climber. Habitat: Dry bushland, 1800–1860 m. Voucher: SAJIT 005142 (EA, HIB).

**Cycnium tenuisectum** (Standl.) O.J. Hansen Habit: Herb. Habitat: Upland grassy marshes, 1800–3200 m. Vouchers: SAJIT 005103 (EA, HIB), Thulin & Tidigs 129 (EA), Lucas 213 (EA).

**Hedbergia abyssinica** (Benth.) Molau Habit: Herb. Habitat: Upland grassland around, 2700 m. Voucher: Thulin & Tidigs 157 (EA).

**Orobanche ramosa** L. Habit: Herb. Habitat: Upland grassland, 1735–2250 m. Voucher: SAJIT 004782 (EA, HIB).

**Orobanche minor** Sm. Habit: Herb. Habitat: Upland grassland, 800–2480 m. Vouchers: SAJIT 006900 (EA, HIB), Thulin & Tidigs 177 (EA).

**Sopubia karaguensis** var. *welwitschii* (Engl.) O.J. Hansen Habit: Herb. Habitat: Montane grassland, 500–3400 m. Voucher: Thulin & Tidigs 2980 (EA).

**Sopubia ramosa** (Hochst.) Hochst. Habit: Herb. Habitat: Wooded grassland, 1600–2170 m. Vouchers: Graham 324 (EA), Agnew et al. 10581 (EA), Gardner 3724 (EA).

**Striga asiatica** (L.) Kuntze Habit: Parasitic herb. Habitat: Upland grassland, 0–2480 m. Voucher: Mabberley 86 (EA).

120. Lentibulariaceae

2 Genera, 4 Species

**Genlisea hispidula** Stapf Habit: Herb. Habitat: Grassland pools, 1860–2400 m. Voucher: Thulin & Tidings 182 (EA).

**Utricularia arenaria** A. DC. Habit: Herb. Habitat: Seasonal swamps, 380–2950 m. Voucher: FOKP 1140 (EA, HIB).

**Utricularia livida** E. Mey. Habit: Herb. Habitat: Seasonal pools, 2325–2730 m. Vouchers: SAJIT 006914, FOKP 1140 & 11014 (EA, HIB).

**Utricularia prehensilis** E. Mey. Habit: Herb. Habitat: Upland marshes, 1860–2400 m. Voucher: Thulin & Tidings 181 (EA).

F121. Acanthaceae

17 Genera, 35 Species

**Acanthus eminens** C.B. Clarke Habit: Shrub. Habitat: Dry forest, amongst bamboo, 1500–2800 m. Vouchers: FOKP 1002 (EA, HIB), Part II Botany Class 11 (EA).

**Asystasia mysorensis** (Roth) T. Anderson Habit: Herb. Habitat: Bushland, 1160–2100 m. Voucher: SAJIT 005148 (EA, HIB).
Barleria grandicalyx Lindau Habit: Herb. Habitat: Savannah, Wooded grassland, 1100–2500 m. Vouchers: Napier 1949 (EA), Symes 35 (EA).

Blepharis edulis (Forssk.) Pers. Habit: Herb. Habitat: Grassland, 140–2015 m. Voucher: SAJIT Z0066 (HIB).

Blepharis maderaspatensis (L.) B. Heyne ex Roth Habit: Herb. Habitat: Grassland, bushland, 1000–3300 m. Voucher: SAJIT Z0044 (HIB).

Crossandra massaica Mildbr. Habit: Herb. Habitat: Bushland, 1200–2700 m. Vouchers: FOKP 11455 & 11663 (EA), Mbuni 191 & 663 (EA).

Crossandra nilotica Oliv. Habit: Herb. Habitat: Bushland, 1200–1500 m. Voucher: Mabberley 793 (EA).

Dyschoriste thunbergiiflora (S. Moore) Lindau Habit: Shrub. Habitat: Acacia, Commiphora bush, 600–1450 m. Vouchers: FOKP 11398 & 11555 (EA, HIB), Mabberley & McCall 265 (EA).

Dicliptera laxata C.B. Clarke Habit: Herb. Habitat: Forest undergrowth, 1300–2800 m. Voucher: Part II Botany 31 (EA).

Dicliptera latibracteata I. Darbysh. Habit: Herb. Habitat: Forest undergrowth, grassland, 2200–2900 m. Voucher: Hepper 5033 (EA).

Dicliptera maculata Nees Habit: Climber. Habitat: Grassland, 1700–2800 m. Voucher: FOKP 11398 (EA, HIB).

Hypoestes triflora (Forssk.) Roem. & Schult. Habit: Herb. Habitat: Grassland, bushland, 1600–3300 m. Vouchers: FOKP 1153 & 11305 (EA, HIB), Mbuni 041 (EA), Lind 2828 (EA).

Hypoestes forskaolii subsp. bildebrandtii (Lindau) I. Darbysh. Habit: Herb. Habitat: Dry grassland, bushland forest, 0–2820 m. Vouchers: FOKP 932, 11296 & 11626, (EA, HIB), Mbuni 032 & 626 (EA, HIB).

Hygrophila auriculata (Schumach.) Heine Habit: Herb. Habitat: Grassland, about 2000 m. Voucher: Ivens 1285 (EA).

Hygrophila schulli M.R. Almeida & S.M. Almeida Habit: Herb. Habitat: Bushland, up to 2170 m. Voucher: Ivens 1285 (EA).

Isoglossa gregoryi (S. Moore) Lindau Habit: Herb. Habitat: Montane and bamboo forest, 1900–2820 m. Voucher: FOKP 1745 (EA, HIB).

Isoglossa substrobilina C.B. Clarke Habit: Herb. Habitat: Montane rain forest, 1600–2200 m. Vouchers: FOKP 948 1120 & 1747 (EA, HIB).

Justicia anagalloides (Nees) T. Anderson Habit: Herb. Habitat: Grassland, 1020–2500 m. Vouchers: Geesteranus 4785 (EA), Symes 39 (EA).

Justicia betonica L. Habit: Herb. Habitat: Grassland, Wet forests, riversides, 700–2220 m. Voucher: Tweedie 2958 (EA).

Justicia calyculata Deflers Habit: Herb. Habitat: Bushland, 1000–2200 m. Voucher: SAJIT Z0043 (HIB).

Justicia exigua S. Moore. Habit: Herb. Habitat: Grassland, 1000–2200 m. Voucher: Symes 272 (EA).

Justicia diclipteroideas Lindau Habit: Herb. Habitat: Woodland 1600–2325 m. Vouchers: FOKP 1088 & 11555 (EA, HIB), Mbuni 292 & 744 (EA), Geesteranus 4793 (EA).
Justicia flava (Forssk.) Vahl Habit: Herb. Habitat: Wooded grassland, 1400–2300 m. Vouchers: SAJIT 004725 (EA, HIB), Geesteranus 6375 (EA).

Justicia leikpiensis S. Moore Habit: Herb. Habitat: Grassland, 2130–2480 m. Vouchers: Napier 1914 (EA), Mainwaring 18 (EA).

Justicia pinguior C.B. Clarke Habit: Herb. Habitat: Wooded grassland, 1720–2170 m. Voucher: Symes 40 (EA).

Justicia unyorensis S. Moore Habit: Herb. Habitat: Montane rain forest, 2170–3100 m. Voucher: Trelawny 4389 (EA).

Justicia uncinulata Oliv. ex C.B. Clarke Habit: Herb. Habitat: Wooded grassland, 1700–2200 m. Voucher: Symes 39 (EA).

Lepidagathis collina (Endl.) Milne–Redh. Habit: Herb. Habitat: Bushland, 1800–2170 m. Voucher: Heliz et al. 853 (EA).

Megalochlamys kenynensis Vollesen Habit: Shrub. Habitat: Wooded grassland, bushland, 1050–1450 m. Voucher: Tweedie 4265 (EA).

Megalochlamys violacea (Vahl) Vollesen Habit: Shrub. Habitat: Acacia bushland, 150–1420 m. Voucher: Tweedie 4265 (EA).

Mimulopsis solmsii Schweinf. Habit: Herb. Habitat: Bushland, 1700–2300 m. Vouchers: SAJIT Z0009 (EA, HIB), FOKP 1073 & 1202 (EA, HIB), Tweedie 3229 (EA).

Schaueria paniculata Nees Habit: Herb. Habitat: Bushland, 1800–2170 m. Vouchers: FOKP 11484 (EA), Mbuni 220 (EA).

Thunbergia alata Bojer ex Sims Habit: Herb. Habitat: Grassland, bushland, 100–3000 m. Voucher: FOKP 11275 & 11568 (EA, HIB), Mbuni 305 & 662 (EA), Tweedie 2703 (EA).

Thunbergia paulitschkeana Beck Habit: Herb. Habitat: Grassland, 1200–3000 m. Voucher: Hepper 5024 (EA).

F122. Bignoniaceae
1 Genus, 1 Species

Stereospermum kunthianum Cham. Habit: Tree. Habitat: Rocky bushland, wooded grassland, 900–2100 m. Voucher: Bogdan 265 (EA).

F123. Verbenaceae
4 Genera, 10 Species

Hebenstreitia rariflora A. Terracc. Habit: Herb. Habitat: Heathland to 3550 m. Vouchers: FOKP 11390 (EA, HIB), Mbuni 125 (EA).

Lantana trifolia L. Habit: Shrub. Habitat: Bushland, 900–2350 m. Vouchers: FOKP 1036, 1287, 11322, 11685 & 11742 (EA, HIB), Mbuni 058, 685 & 742 (EA), Lind 5095 (EA).

Lippia grandifolia Hochst. ex A. Rich. Habit: Shrub. Habitat: Wooded grassland, 750–2250 m. Voucher: Lind 5096 (EA).
Lippia javanica (Burm. f.) Spreng. Habit: Shrub. Habitat: Wooded grassland, bushland, 1050–2300 m. Vouchers: FOKP 1886 & 11684 (EA, HIB), Mbuni 684 (EA).

Lippia kituiensis Vatke Habit: Shrub. Habitat: Bushland, 450–2560 m. Voucher: Tweedie 3736 (EA).

Lippia rehmannii H. Pearson Habit: Shrub. Habitat: Grassland, Bushland, 750–2250 m. Voucher: Symes 29 (EA).

Lippia woodii Moldenke Habit: Herb. Habitat: Burnt grassland, 1550–2170 m. Voucher: Napier 1928 (EA).

Verbena aristigera S. Moore Habit: Herb. Habitat: Open forest, 1650–2110 m. Voucher: SAJIT 004738 (EA, HIB).

Verbena bonariensis L. Habit: Herb. Habitat: Bushland, Disturbed areas, 1800–2650 m. Vouchers: FOKP 1282 & 11557 (EA, HIB), Mbuni 294 (EA).

Verbena rigida Spreng. Habit: Herb. Habitat: Roadside verge, 1660–2100 m. Voucher: Dyson 568 (EA).

F124. Aquifoliaceae
1 Genus, 1 Species

Ilex mitis (L.) Radlk. Habit: Tree. Habitat: Upland riverine forest, 1450–3150 m. Vouchers: SAJIT 006912 (EA, HIB), FOKP 1013, 1227, 11374 & 11549 (EA, HIB), Mbuni 110, 286 (EA).

F125. Campanulaceae
4 Genera, 15 Species

Canarina eminii Asch. & Schweinf. Habit: Epiphyte. Habitat: Wet forest, 2100–2650 m. Voucher: Thulin & Tidigs 59 (EA).

Lobelia aberdarica R.E. Fr. & T.C.E. Fr. Habit: Shrub. Habitat: Moorland, Swamps, 1860–3350 m. Vouchers: Thulin & Tidigs 105 (EA), Townsend 2387 (EA).

Lobelia cheranganiensis Thulin Habit: Herb. Habitat: Upland Forest & Moorland, 2750–3300 m. Vouchers: SAJIT 006863 (EA, HIB), FOKP 10963 (EA, HIB), Tweedie 3883 (EA), Knox 3379 (EA), Thulin & Tidigs 220 (EA).

Lobelia deckenii (Asch.) Hemsl. Habit: Shrub. Habitat: Moorland up to 3550 m. Voucher: Mabberley & McCall 186 (EA).

Lobelia duriprati T.C.E. Fr. Habit: Herb. Habitat: Wet montane, 1700–3550 m. Voucher: Thulin & Tidigs 220 (EA).

Lobelia giberroa Hemsl. Habit: Shrub. Habitat: Forest margin, 1200–3000 m. Vouchers: FOKP 962, 1232 & 11539 (EA, HIB), Mbuni 275 (EA), Verdcourt 2437 (EA), Knox 3790 & 3852 (EA).

Lobelia holstii Engl. Habit: Herb. Habitat: Grassland 1800–3520 m. Vouchers: SAJIT 004798, Newbould 2440 (EA).

Lobelia minutula Engl. Habit: Herb. Habitat: Disturbed alpine, 1700–3500 m. Voucher: Thulin & Tidigs 198 (EA).
Monopsis stellarioides (C. Presl) Urb.  Habit: Herb. Habitat: Grassland, 1650–3500 m. Vouchers: FOKP 11532 & 11540 (EA, HIB), Mbuni 276 (EA), Mabberley & McCall 97 (EA).

Monopsis zeyheri (Sond.) Thulin Habit: Herb. Habitat: Wet grassland about 1600 m. Voucher: SAJIT 005137 (EA, HIB).

Wahlenbergia capillacea (L. f.) A. DC. Habit: Herb. Habitat: Bamboo zone, Rocky soils, 2300m–2950 m. Vouchers: Bogdan 4987 (EA), Symes 620 (EA).

Wahlenbergia krebsii Cham. Habit: Herb. Habitat: Grassland. Lower alpine, Heath zones, 2130–3600 m. Voucher: Napier 1992 (EA).

Wahlenbergia krebsii subsp. arguta (Hook. f.) Thulin. Habit: Herb. Habitat: Grassland, in lower alpine and heath zone, 2100–3550 m. Voucher: Thulin & Tidigs 70 (EA).

Wahlenbergia scottii Thulin Habit: Herb. Habitat: Wooded grassland, 2300–2700 m. Vouchers: Thulin & Tidigs 131 (EA), Verdcourt 2427 (EA).

Wahlenbergia silenoides Hochst. ex A. Rich. Habit: Herb. Habitat: Montane grassland, 1500–2100 m. Voucher: Tweedie 3020 (EA).

F126. Asteraceae
66 Genera, 165 Species

Acanthospermum glabratum (DC.) Wild Habit: Herb. Habitat: Grassland, 1300–2500 m. Voucher: SAJIT Z0007 (EA).

Acmella caulirhiza Delile Habit: Herb. Habitat: Grassland, 600–2600 m. Vouchers: FOKP 1230 & 11427 (EA) Mbuni 163 (EA).

Ageratina adenophora (Spreng.) R.M. King & H. Rob. Habit: Shrub. Habitat: Swampy sites, riverine, 1960–2300 m. Vouchers: SAJIT 005063 & 006809 (EA, HIB), FORK 1806 & 10909 (EA, HIB).

Ageratum conyzoides (L.) L. Habit: Herb. Habitat: Disturbed ground, 30–2500 m. Voucher: FOKP 11495 (EA), Mbuni 231 (EA).

Anthemis tigrensis J. Gay ex A. Rich. Habit: Herb. Habitat: Moorland zone, 2500–3500 m. Vouchers: Mabberley 214, Thulin 203 (EA).

Artemisia afra Jacq. ex Willd. Habit: Shrub. Habitat: Dry shrubby montane grassland, 2000–3550 m. Vouchers: SAJIT 005114 (EA, HIB), Mbuni 725 (EA, HIB), Mabberley & McCall 241 (EA), Thulin 252 (EA).

Aspilia kotschyi (Sch. Bip. ex Hochst.) Oliv. Habit: Herb. Habitat: Grassland, waste land, 10–1900 m. Voucher: Carter & Stanard 52 (EA).

Aspilia pluriseta Schweinf. ex Schweinf. Habit: Herb. Habitat: Bushed grassland, 1050–2400 m. Vouchers: FOKP 11492 (EA), Mbuni 228 (EA), Symes 98 (EA).

Athrixia rosmaninifolia (Sch. Bip. ex Walp.) Oliv. & Hiern. Habit: Herb. Habitat: Highland shrubland, 2600–3400 m. Vouchers: SAJIT 005119 (EA, HIB), Tweedie 3904 (EA).

Baccharoides dumicola (S. Moore) “Isawumi, El-Ghazaly & B. Nord.” Habit: Herb. Habitat: Woodland, grassland edge, 1200–2300 m. Voucher: Webster 8898 (EA).
Baccharoides adoensis (Sch. Bip. ex Walp.) H. Rob. Habit: Shrub. Habitat: Bushland, 125–2100 m. Voucher: FOKP 11386 (EA, HIB).

Berkheya spekeana Oliv. Habit: Herb. Habitat: Wooded grassland, 1800–3100 m. Vouchers: SAJIT 005124 (EA, HIB), FOKP 1905 (EA, HIB), Symes 157 (EA).

Bidens buchneri (Klatt) Sherff Habit: Herb. Habitat: Wooded grassland, 1450–1500 m. Vouchers: Napier 1924 (EA), Agnew et al. 312 (EA).

Bidens elgonensis (Sherff) Agnew Habit: Herb. Habitat: Erica bushland, heath zone, 1900–3550 m. Vouchers: FOKP 11280 (EA, HIB), Mbuni 016 (EA), Tweedie 338 (EA).

Bidens flagellata (Sherff) Mesfin Habit: Herb. Habitat: Grassland, 1600–3300 m. Voucher: Thulin & Tidigs 264 (EA).

Bidens kilimandscharica (O. Hoffm.) Sherff Habit: Shrub. Habitat: Upland forest edges, 1500–2800 m. Vouchers: FOKP 11569 (EA, HIB), Mbuni 306 (EA), Tweedie 4214 (EA).

Bidens linearioloba Oliv. Habit: Herb. Habitat: Bushland, wooded land, 500–1800 m. Voucher: Tweedie 369 (EA).

Bidens pilosa L. Habit: Herb. Habitat: Highland areas, 400–2500 m. Vouchers: FOKP 11434 (EA), Mbuni 170 (EA).

Blumea axillaris (Lam.) DC. Habit: Herb. Habitat: Disturbed areas, 1500–2700 m. Voucher: FOKP 11366 (EA), Mbuni 102 (EA).

Bothriocline fusca (S. Moore) M.G. Gilbert Habit: Shrub. Habitat: Upper forest zones, 2000–3550 m. Voucher: FOKP 11377 (EA, HIB).

Bothriocline longipes (Oliv. & Hiern) N.E. Br. Habit: Shrub. Habitat: Forest margin, 1500–2800 m. Vouchers: FOKP 11519 (EA, HIB), Mbuni 255 (EA).

Bothriocline monticola (M. Taylor) Wech. Habit: Shrub. Habitat: Forest margin, about 2800 m. Voucher: Tweedie 4200 (EA).

Bothriocline trifoliata (De Wild. & Musch.) Wild & G.V. Pope Habit: Shrub. Habitat: Montane rain forest, 1950–2500 m. Voucher: Thulin & Tidigs 209 (EA).

Carduus chamaecephalus (Vatke) Oliv. & Hiern Habit: Herb. Habitat: Grassland, alpine, subalpine, 2400–3550 m. Voucher: Gillett 18422 (EA).

Carduus keniensis R.E. Fr. Habit: Herb. Habitat: Grassland, 2950–3550 m. Vouchers: Mbuni 098 (EA), Mabberley & McCall 212 (EA).

Carduus nyassanus (S. Moore) R.E. Fr. Habit: Herb. Habitat: Montane forest, 2700–3550 m. SAJIT 004773 (EA, HIB), Vouchers: FOKP 11363 (EA, HIB), Mbuni 099 (EA), Symes 402 (EA).

Carduus schimperi Sch. Bip. Habit: Herb. Habitat: Grassland & Moorland, 2550–3550 m. Voucher: Gillett 18422 (EA).

Centaurea praecox Oliv. & Hierm Habit: Herb. Habitat: Wooded grassland, 1600–2300 m. Vouchers: Symes 523 (EA), Tweedie 1519 (EA), Thairu 143 (EA), Webster 8856 (EA).

Cineraria grandiflora Vatke Habit: Herb. Habitat: Wooded grassland, 1800–3500 m. Voucher: Thulin 72 (EA).
Cineraria deltoidea Sond. Habit: Herb. Habitat: Roadsides, forest edges cliffs, 1890–3550 m. Vouchers: FOKP 1131 & 11339 (EA, HIB), Mbuni 075 (EA), Thulin & Mhoro 72 (EA).

Cirsium vulgare (Savi) Ten. Habit: Herb. Habitat: Arable land, 1790–2400 m. Vouchers: FOKP 1369 & 11362 (EA, HIB), Mbuni 098 & 105 (EA).

Conyza aegyptiaca (L.) Dryand. ex Aiton Habit: Herb. Habitat: Disturbed places, 300–2000 m. Voucher: Symes 64 (EA).

Conyza agnewii Mesfin Habit: Herb. Habitat: Wooded grassland around 1850 m. Voucher: Napier 1931 (EA).

Conyza newii Oliv. & Hiern. Habit: Shrub. Habitat: Montane forest, 1600–2500 m. Vouchers: FOKP 11321 (EA, HIB) Mbuni, 057 (EA).

Conyza pyrrhopappa Sch. Bip. ex A. Rich. Habit: Shrub. Habitat: Upland bushland, 1500–2200 m. Vouchers: SAJIT 006854 (EA, HIB), FOKP 11442 (EA, HIB), Mbuni 178 (EA).

Conyza steudelii Sch. Bip. ex A. Rich. Habit: Herb. Habitat: Medium altitude, 1500–3500 m. Vouchers: FOKP 11346 (EA, HIB), Mbuni 082 (EA).

Conyza subscaposa O. Hoffm. Habit: Herb. Habitat: Alpine and subalpine grassland, 3000–3500 m. Voucher: Symes 618 (EA).

Conyza vernonioides (Sch. Bip. ex A. Rich.) Wild Habit: Shrub. Habitat: Moorland and bamboo, 3000–3550 m. Voucher: Tweedie 3901 (EA).

Cotula abyssinica Sch. Bip. ex A. Rich. Habit: Herb. Habitat: Alpine, upland grassland, 2700–3500 m. Vouchers: Bogdan 496 (EA), Symes 643 (EA), and Mabberley 216 (EA).

Crassocephalum bojeri (DC.) Robyns Habit: Herb. Habitat: Montane forest, 1500–3200 m. Voucher: Thulin 159 (EA).

Crassocephalum montuosum (S. Moore) Milne–Redh. Habit: Herb. Habitat: Montane forest, 1500–3260 m. Vouchers: FOKP 1724 (EA, HIB), Chetham 1 (EA), Thulin & Tidigs 266 (EA).

Crassocephalum × picridifolium (DC.) S. Moore Habit: Herb. Habitat: Swamps and river edges, 1300–2500 m. Vouchers: SAJIT 004806 (EA, HIB), FOKP 11503 (EA, HIB), Mbuni 239 (EA), Symes 269 (EA).

Crassocephalum rubens var. sarcobasis (Bojer ex DC.) C. Jeffrey & Beentje Habit: Herb. Habitat: Disturbed, cultivated, higher altitude, 1500–2800 m. Vouchers: Verdcourt 746 (EA), Thulin 188 (EA), Symes 205 (EA).

Crassocephalum vitellinum (Benth.) S. Moore Habit: Herb. Habitat: Upland forest and woodland, 1500–2800 m. Vouchers: FOKP 981 (EA, HIB), Thulin 158 (EA).

Crepis rueppellii Sch. Bip. Habit: Herb. Habitat: Highland grassland, 1600–3200 m. Vouchers: FOKP 1221 (EA, HIB), Townsend 2368 (EA).

Dendrosenecio cheranganiensis (Cotton & Blakelock) E.B. Knox Habit: Shrub. Habitat: Upper Afromontane evergreen, 3000–3550 m. Vouchers: Dale 3392 (EA), Mabberley 30 (EA).
**Dendrosenecio cheranganiensis** subsp. *cheranganiensis* (Cotton & Blakeclock) E.B. Knox
Habit: Shrub. Habitat: Upper Afromontane evergreen, 3000–3550 m.
Vouchers: Merberry 512 (EA), Knox 719 (EA), Beentje 3058 (EA).

**Dendrosenecio cheranganiensis** subsp. *dalei* (Cotton & Blakeclock) E.B. Knox
Habit: Shrub. Habitat: Upper Afromontane zone, 3000–3550 m. Voucher: Mabberley & McCall 209 (EA).

**Dichrocephala integrifolia** (L. f.) Kuntze
Habit: Herb. Habitat: Disturbed wet habitat, 1700–3550 m. Vouchers: FOKP 111406 (EA, HIB), Mbuni 142 (EA, HIB).

**Dicoma tomentosa** Cass.
Habit: Herb. Habitat: Dry bushland, 480–1500 m. Voucher: Carter & Stanard 13 (EA).

**Emilia abyssinica** (Sch. Bip. ex A. Rich.) C. Jeffrey
Habit: Herb. Habitat: Cultivated land, 800–1900 m. Voucher: Tweedie 1922 (EA).

**Emilia coccinea** (Sims) G. Don
Habit: Herb. Habitat: Roadside, wasteland, 0–2000 m. Voucher: Carter & Stannard 15 (EA).

**Emilia debilis** S. Moore
Habit: Herb. Habitat: Disturbed marshes, 1600–2200 m. Voucher: Symes 751 (EA)

**Echinops aberdaricus** R.E. Fr.
Habit: Herb. Habitat: Subalpine grassland, 2900–3300 m. Voucher: Thulin 143 (EA).

**Echinops angustilobus** S. Moore
Habit: Herb. Habitat: Higher altitudes, grassland, 2000–2800 m. Vouchers: FOKP 1139 (EA, HIB), Bogdan 5008 (EA), Townsend 2376 (EA).

**Echinops amplexicaulis** Oliv.
Habit: Herb. Habitat: Wooded grassland, 1300–2700 m. Voucher: Thairu 1, Napper 1501 (EA).

**Echinops hispidus** Fresen.
Habit: Herb. Habitat: Upland grassland, 1500–2200 m. Voucher: Symes 403 (EA).

**Echinops hoehnelii** Schweinf.
Habit: Herb. Habitat: High altitude woodland & heartland, 2200–3500 m. Vouchers: FOKP 11381 (EA), Mbuni 116 & 118 (EA).

**Echinops lanatus** C. Jeffrey & Mesfin
Habit: Herb. Habitat: Montane grassland, 2400–3600 m. Voucher: Tweedie 4183 (EA).

**Erigeron bonariensis** L.
Habit: Herb. Habitat: Disturbed soil, 400–2600 m. Vouchers: FOKP 11338 & 11724 (EA, HIB), Mbuni 074 & 724 (EA), Cronquist 2396 (EA).

**Euryops brownei** S. Moore
Habit: Shrub. Habitat: Upper forest level and lower heath zone, 2300–3550 m. Vouchers: SAJIT 004794, Tweedie 391 (EA), Lucas 165 (EA), Wamukoya 129 (EA).

**Euryops chrysanthemoides** (DC.) B. Nord.
Habit: Shrub. Habitat: Heath zone, 2500–3500 m. Vouchers: FOKP 11578 & 11624 (EA, HIB), Mbuni 315 & 624 (EA).

**Ethulia vernonioides** (Schweinf.) M.G. Gilbert
Habit: Shrub. Habitat: Grassland, 1650–2750 m. Vouchers: SAJIT 006815 (EA, HIB), FOKP 989, 1803 & 11550 (EA, HIB), Mbuni 287 (EA), Webster 888 (EA).

**Eupatorium adenophorum** Spreng.
Habit: Herb. Habitat: Riverine, 1750–2500 m. Voucher: Symes 282 (EA).

**Eupatorium africanum** Oliv. & Hieron.
Habit: Herb. Habitat: Riverine, 1700–2500 m. Voucher: Symes 31 (EA).
Felicia abyssinica Sch. Bip. ex A. Rich. Habit: Herb. Habitat: Grassland, 1300–2500 m. Voucher: Symes 527 (EA).

Galinsoga quadriradiata Ruiz & Pav. Habit: Herb. Habitat: Wet highland, 1800–2500 m. Vouchers: FOKP 11426 (EA, HIB), Mbuni 162 (EA).

Galinsoga parviflora Cav. Habit: Herb. Habitat: Wet highland, 300–2300 m. Voucher: Jeffery 272 (EA).

Gerbera birsuta (Forssk.) Less. Habit: Herb. Habitat: Highland grassland, 1500–3000 m. Voucher: Symes 52 (EA).

Gerbera viridifolia (DC.) Sch. Bip. Habit: Herb. Habitat: Wooded grassland, 1600–2500 m. Voucher: Symes 52 (EA).

Gerbera piloselloides (L.) Cass. Habit: Herb. Habitat: Upland and highland grassland, 1500–3400 m. Voucher: SAJIT 005106 (EA, HIB).

Gnaphalium unionis Sch. Bip. ex Oliv. & Hiern Habit: Herb. Habitat: Grassland, 1600–3200 m. Vouchers: FOKP 1794 (EA, HIB), Townsend 238 (EA).

Gnaphalium declinatum L. f. Habit: Herb. Habitat: Grassland, 1600–3000 m. Voucher: Trelawny 4384 (EA).

Gnaphalium luteoalbum L. Habit: Herb. Habitat: Highland grassland, 300–3050 m. Vouchers: Symes 74 (EA), Thulin & Tidigs 115 (EA).

Guizotia scabra (Vis.) Chiov. Habit: Herb. Habitat: Upland grassland, 1300–3200 m. Vouchers: Thulin 46 (EA), Lind 5098 (EA).

Guizotia jacksonii (S. Moore) J. Baagøe Habit: Herb. Habitat: Bamboo, heath zone, 2400–3500 m. Voucher: Thulin & Tidigs 68 (EA).

Gutenbergia rueppellii Sch. Bip. Habit: Herb. Habitat: Rocky grassland, 900–2200 m. Voucher: Bogdan 3853 (EA).

Haplocarpha rueppellii (Sch. Bip.) K. Lewin. Habit: Herb. Habitat: Alpine zone, 2600–3550 m. Voucher: SAJIT 005123 (EA, HIB).

Helichrysum argyranthum O. Hoffm. Habit: Shrub. Habitat: Upper forest edge, streamside, heath zone, 2100–3550 m. Vouchers: FOKP 996, 11264, 11374 & 11340 (EA, HIB), Mbuni 020 (EA).

Helichrysum brownei S. Moore Habit: Shrub. Habitat: Heath zone, 3000–3550 m. Voucher: SAJIT 005111 (EA, HIB).

Helichrysum cymosum (L.) D. Don Habit: Shrub. Habitat: Wooded land, 1600–2900 m. Voucher: Symes 624 (EA).

Helichrysum ellipticifolium Mooser Habit: Shrub. Habitat: Alpine grassland, 2650–3550 m. Voucher: Knox 3390 (EA).

Helichrysum foetidum (L.) Cass. Habit: Herb. Habitat: Upland forest, forest margin, 2400–3000 m. Vouchers: FOKP 11520 (EA, HIB), Mbuni 256 & 723 (EA), Mabberley 583 (EA), Symes 99 (EA).

Helichrysum formosissimum Sch. Bip. Habit: Shrub. Herb. Habitat: Alpine zone, 2300–3500 m. Voucher: Bogdan 5000 (EA).

Helichrysum formosissimum var. guilemnii (Engl.) Mesfin Habit: Herb. Habitat: Heath zone, moorland, upper bamboo zone, 1800–2500 m. Voucher: Mabberley 571 (EA).
Helichrysum forskahlii (J.F. Gmel.) Hilliard & B.L. Burtt Habitat: Herb. Habitat: Rocky grassland, 1200–3500 m. Vouchers: SAJIT 005104 & 006805 (EA, HIB), FOKP 10905 & 11538 (EA, HIB), Mbuni 274 (EA), Knox 3352 (EA), Symes 99 (EA).

Helichrysum gerberifolium Sch. Bip. ex A. Rich. Habitat: Herb. Habitat: Wooded grassland, 2600–3500 m. Voucher: Symes 25 (EA).

Helichrysum globosum Sch. Bip. Habitat: Herb. Habitat: Upland grassland, 1800–3300 m. Vouchers: FOKP 11478 (EA, HIB), Mbuni 214 (EA).

Helichrysum gloria–dei Chiov. Habitat: Shrub. Habitat: Alpine zone, 3300–3550 m. Voucher: SAJIT 005108 (EA, HIB).

Helichrysum kilimanjari Oliv. Habitat: Herb. Habitat: Lower alpine zone, 2800–3500 m. Vouchers: Mbberley & McCall 218 (EA), Knox 3863 (EA).

Helichrysum maranguense O. Hoffm. Habitat: Shrub. Habitat: Montane rain forest, 2250–3500 m. Vouchers: SAJIT 006922 (EA, HIB), FOKP 11022 (EA, HIB).

Helichrysum meyer–johannis Engl. Habitat: Herb. Habitat: Alpine grassland, 2900–3550 m. Voucher: Dale 3418 (EA).

Helichrysum nandense S. Moore Habitat: Shrub. Habitat: Grassland, 2250–2900 m. Vouchers: Knox 3447 (EA), Blake 3080 (EA).

Helichrysum odoratissimum (L.) Sweet Habitat: Shrub. Habitat: Dry areas, 1000–3500 m. Vouchers: FOKP 11537 (EA, HIB), Mbuni 273 (EA), Thulin & Tidigs 254 (EA).

Helichrysum panduratum var. panduratum O. Hoffm. Habitat: Shrub. Habitat: Grassland, 1600–2900 m. Voucher: Symes 396 (EA).

Helichrysum setosum Harv. Habitat: Herb. Habitat: Montane forest, 1900–2750 m. Voucher: FOKP 944 (EA, HIB).

Helichrysum schimperi (Sch. Bip. ex A. Rich.) Moeser Habitat: Shrub. Habitat: Dry forest 1600–3400 m. Vouchers: FOKP 11340 (EA, HIB), Mbuni 076 (EA).

Helichrysum stenopterum DC. Habitat: Herb. Habitat: Upper forest edge, 2660–3500 m. Vouchers: FOKP 11285 (EA, HIB), Mbuni 021 (EA), Symes 206 (EA).

Hirpicium diffusum (O. Hoffm.) Roessler Habitat: Herb. Habitat: Disturbed grassland, 500–2200 m. Vouchers: FOKP 11690 & 11476 (EA), Mbuni 212 & 690 (EA).

Inula glomerata Oliv. & Hiern Habitat: Herb. Habitat: Wooded grassland, 1500–2900 m. Vouchers: Freidberg & Kaplan 56 (EA), FOKP 11328 (EA, HIB).

Inula mannii (Hook. f.) Oliv. & Hiern Habitat: Herb. Habitat: Wet montane forest, 1700–2750 m. Voucher: Tweedie 4184 (EA).

Kleinia scottioides C. Jeffrey. Habitat: Herb. Habitat: Bushland, wooded grassland, 900–1900 m. Voucher: Meyerhoff 112 (EA).

Lactuca capensis Thunb. Habitat: Herb. Habitat: Disturbed ground, montane forest, 1900–3200 m. Voucher: Symes 43 (EA).

Lactuca glandulifera Hook. f. Habitat: Herb. Habitat: Montane rain forest, 1900–3290 m. Vouchers: FOKP 1040 (EA, HIB), FOKP 938 (EA).

Lactuca inermis Forssk. Habitat: Herb. Habitat: Medium altitude, 500–3300 m. Vouchers: FOKP 11348 (EA, HIB), Mbuni 084 (EA).
**Laggera brevipes** Oliv. & Hiern  Habit: Herb. Habitat: Upland grassland, 1050–2400 m. Vouchers: SAJIT 006881 (EA, HIB), Mbuni 240A (EA).

**Laggera crispata** (Vahl) Hepper & J.R.I. Wood  Habit: Shrub. Habitat: Grassland and forest margin, 150–2400 m. Vouchers: SAJIT 006801 (EA, HIB), FOKP 939, 1011, 10901 & 11505 (EA, HIB), Mbuni 241 (EA).

**Laggera elatior** R.E. Fr.  Habit: Herb. Habitat: Wet Montane forest, 100–3300 m. Vouchers: FOKP 11372 (EA, HIB), Mbuni 065 (EA), Mbaberley 483 (EA).

**Laggera pterodonta** (DC.) Sch. Bip. ex Oliv.  Habit: Herb. Habitat: Upland grassland, 1050–2400 m. Voucher: FOKP 1011 (EA, HIB).

**Melanthera pungens** Oliv. & Hiern  Habit: Herb. Habitat: Wooded grassland, 1650–2300 m. Voucher: Napier 1929 (EA, HIB).

**Melanthera scandens** (Schumach. & Thonn.) Roberty  Habit: Shrub. Habitat: Upland forest, 1300–2200 m. Vouchers: FOKP 11755 (EA, HIB), Mbuni 755 (EA).

**Micractis bojeri** DC.  Habit: Herb. Habitat: Disturbed streamside, 1700–2300 m. Vouchers: FOKP 11409 (EA, HIB), Mbuni 145 (EA).

**Microglossa densiflora** Hook. f.  Habit: Shrub. Habitat: Bushland, 1700–3200 m. Vouchers: SAJIT 006797 (EA, HIB), FOKP 1219 & 10897 (EA, HIB), Agnew et al. 10462 (EA).

**Mikania chenopodifolia** Willd.  Habit: Climber. Habitat: Riverine forest, 0–2000 m. Vouchers: SAJIT 006921 (EA, HIB), FOKP 946 & 11021 (EA, HIB).

**Mikaniopsis bambuseti** (R.E. Fr.) C. Jeffrey  Habit: Climber. Habitat: Dry upland forest, bamboo, 2100–3000 m. Vouchers: SAJIT 006929 (EA, HIB), Townsend 2393 (EA).

**Nidorella spartioides** (O. Hoffm.) Cronquist  Habit: Herb. Habitat: Wooded grassland, 1675–2150 m. Voucher: Napier 1920 (EA).

**Notonia abyssinica** A. Rich.  Habit: Herb. Habitat: Bushland, 1600–2800 m. Vouchers: FOKP 11559 (EA, HIB) & Mbuni 296 (EA).

**Pentas parvifolia** Hiern  Habit: Shrub. Habitat: Bushland and Wooded grassland, 90–2500 m. Vouchers: FOKP 11467 & 11670 (EA, HIB) & Mbuni 203 & 670 (EA).

**Pseudognaphalium luteoalbum** subsp. **affine** (D. Don) Hilliard & Burtt  Habit: Herb. Habitat: Highland grassland, 300–3050 m. Vouchers: FOKP 11303 (EA, HIB), Mbuni 039 (EA), Thulin & Tidigs 115 (EA).

**Psiadia punctulata** (DC.) Vatke  Habit: Shrub. Habitat: Grassland, bushland, forest edge, 1000–2500 m. Vouchers: FOKP 11465 (EA, HIB), Mbuni 201 & 748 (EA).

**Senecio hedbergii** C. Jeffrey  Habit: Shrub. Habitat: Rocky open grassland, Heath Vegetation, 3300–3550 m. Voucher: Thulin & Tidigs 217 (EA).

**Senecio maranguensis** O. Hoffm.  Habit: Shrub. Habitat: Upper forest edge, 2700–2900 m. Voucher: SAJIT 005117 (EA, HIB).

**Senecio moorei** R.E. Fr.  Habit: Shrub. Habitat: Grassland, 1800–3500 m. Voucher: Townsend 2381 (EA), Thulin 167 (EA).

**Senecio plantagineoides** C. Jeffrey  Habit: Herb. Habitat: Grassland, 1700–2000 m. Voucher: Powles 12 (EA).
**Senecio pseudosubsessilis** C. Jeffrey Habit: Herb. Habitat: Woodland edge, riverine, 1800–3000 m. Vouchers: Tweedie 3379 (EA), Tweedie 2169 (EA).

**Senecio purtschellleri** Engl. Habit: Herb. Habitat: Alpine zone, 3200–3550 m. Voucher: Beentje 3378 (EA).

**Senecio pseudosubsessilis** C. Jeffrey Habit: Shrub. Habitat: Woodland edge, riverine, 1800–3000 m. Voucher: Thulin & Tidigs 217 (EA).

**Senecio schweinfurthii** O. Hoffm. Habit: Herb. Habitat: Montane, alpine grassland, 2300–3500 m. Vouchers: Tweedie 3763(EA), Thulin & Tidigs 164 (EA), Part II Botany 5157(EA), Symes 640 (EA).

**Senecio subsessilis** Oliv. & Hiern Habit: Herb. Habitat: Montane rain forest, 2400–3120 m. Voucher: Thulin 187 (EA).

**Senecio syringifolius** O. Hoffm. Habit: Climber. Habitat: Montane rain forest, 1500–3300 m. Voucher: Townsend 2392 (EA).

**Schkuhria pinnata** (Lam.) Kuntze ex Thell. Habit: Herb. Habitat: Cultivated land, 1000–2220 m. Vouchers: FOKP 11484 (EA), Mbuni 220 (EA).

**Solanecio mannii** (Hook. f.) C. Jeffrey Habit: Tree. Habitat: Montane forest, 1400–2700 m. Vouchers: FOKP 1110, 1261, 11279 & 11457 (EA, HIB), Mbuni 193 (EA).

**Sonchus afronautana** R.E. Fr. Habit: Herb. Habitat: Wet highland grassland, 2200–3700 m. Voucher: Thulin & Tidigs 226 (EA).

**Sonchus schweinfurthii** Oliv. & Hiern Habit: Herb. Habitat: Montane forest, 1700–2800 m. Voucher: Thulin & Tidigs 69 (EA).

**Spilanthes mauritiana** (A. Rich. ex Pers.) DC. Habit: Herb. Habitat: Swamp areas, 1500–2000 m. Voucher: Hedberg 79 (EA).

**Sphaeranthus suaveolens** (Forssk.) DC. Habit: Herb. Habitat: Dry stream bed, 1200–2500 m. Vouchers: FOKP 1729, 11324 & 11653 (EA, HIB), Mbuni 060, 653 (EA).

**Stoebe kilimandscharica** O. Hoffm. Habit: Shrub. Habitat: Heath zone and moorland, 2700–3350 m. Vouchers: FOKP 11317 (EA, HIB), Mbuni 053 (EA), Mwangangi & Kariuki 372 (EA), Thulin & Tidigs 250 (EA).

**Stomatanthes africanus** (Oliv. & Hiern) R.M. King & H. Rob. Habit: Herb. Habitat: Wooded grassland, 2000–3000 m. Voucher: Symes 282 (EA).

**Tarchonanthus camphoratus** L. Habit: Shrub. Habitat: Bushland, 1500–2300 m. Voucher: FOKP 11297 (EA, HIB).

**Tolpis capensis** (L.) Sch. Bip. Habit: Herb. Habitat: Wet grassland, 2000–3100 m. Vouchers: FOKP 11301 (EA, HIB), Mbuni 037 (EA), Townsend 2368b (EA), Hepper & Field 5031 (EA).

**Tridax procumbens** (L.) L. Habit: Herb. Habitat: Roadside, below 2300 m. Voucher: SAJIT Z0038 (EA, HIB).

**Vernonia amygdalina** Delile Habit: Shrub. Habitat: Disturbed cultivated area, 200–2300 m. Voucher: FOKP 10934 (EA, HIB).

**Vernonia auriculata** Griseb. Habit: Shrub. Habitat: Woodland, bushland, 1600–2850 m. Voucher: FOKP 959 (EA, HIB).

**Vernonia auriculifera** Hiern Habit: Shrub. Habitat: Woodland, bushland, 1600–2650 m. Vouchers: SAJIT 006834 (EA, HIB), FOKP 11401 & 11718 (EA, HIB), Mbuni 137 & 718 (EA), Symes 268 (EA).
Vernonia holstii O. Hoffm. Habit: Shrub. Habitat: Dry forest, 1000–2050 m. Voucher: FOKP 11454 (EA, HIB), Mbuni 190 & 718 (EA).

Vernonia galamensis subsp. afromontana (R.E. Fr.) M.G. Gilbert Habit: Shrub. Habitat: Woodland edge, 800–2200 m. Vouchers: SAJIT 006896 (EA, HIB), FOKP 11331 & 11400 (EA, HIB), Mbuni 067 & 136 (EA), Napier 1957 (EA).

Vernonia hymenolepis A. Rich. Habit: Herb. Habitat: Bushed grassland, 1600–2850 m. Vouchers: FOKP 11287 & 11402 (EA, HIB), Mbuni 023, 713 (EA), Thulin & Tidigs 125 (EA).

Vernonia karaguensis Oliv. & Hiern Habit: Herb. Habitat: Wooded grassland, 1200–2500 m. Voucher: Webster 8894 (EA).

Vernonia lasiopus O. Hoffm. Habit: Herb. Habitat: Abandoned cultivation, 1100–2800 m. Voucher: Symes 261 (EA).

Vernonia smithiana Less. Habit: Herb. Habitat: Wooded grassland, 1350–2700 m. Vouchers: Napier 1934 (EA), Symes 27 (EA).

Vernonia syringifolia O. Hoffm. Habit: Shrub. Habitat: Montane rain forest, 2000–3000 m. Vouchers: SAJIT 006800 & 006818 (EA, HIB), Webster 8897 (EA).

Vernonia turbinata Oliv. & Hiern ex Oliv. Habit: Herb. Habitat: Wooded grassland, 1400–2400 m. Voucher: Verdcourt 745 (EA).

Vernonia urticifolia A. Rich. Habit: Shrub. Habitat: Forest margin and bamboo edge, 1400–2800 m. Vouchers: SAJIT Z0084 (EA, HIB), FOKP 11358 (EA, HIB), Mbuni 094 (EA).

Vernonia westermanii Ekman & Dusén ex Malme Habit: Herb. Habitat: Wooded grassland, 1400–2400 m. Voucher: FOKP 1064 (EA, HIB).

Xanthium pungens Wallr. Habit: Herb. Habitat: River bed, 1600–1800 m. Voucher: FOKP 11302 (EA, HIB).

F127. Caprifoliaceae
3 Genera, 3 Species

Cephalaria pungens Szabó Habit: Herb. Habitat: Montane and subalpine grassland, 2400–3000 m. Vouchers: FOKP 11316 (EA, HIB), Irwin 136 (EA).

Scabiosa columbaria L. Habit: Herb. Habitat: Heathland and upper land forest, 2200–3550 m. Vouchers: FOKP 11314 (EA, HIB), Webster 8843 (EA).

Valeriana volkensii Engl. Habit: Herb. Habitat: streamside and marshes, 3000–3500 m. Voucher: Mabberley McCall 231 (EA).

F128. Pittosporaceae
1 Genus, 3 Species

Pittosporum mannii Hook. f. Habit: Shrub. Habitat: Dry evergreen forest, 2000–2750 m. Vouchers: SAJIT Z0026 (EA, HIB), FOKP 11570 (EA, HIB), Mbuni 307 & 651 (EA).

Pittosporum lanatum Hutch. & E.A. Bruce Habit: Tree. Habitat: Dry evergreen forest, 2100–2850 m. Vouchers: FOKP 11391 (EA, HIB), Dale 672 (EA).
**Pittosporum viridiflorum** Sims. Habit: Tree. Habitat: Wooded grassland, 1300–2500 m. Voucher: SAJIT 007050 (EA, HIB).

**F129. Araliaceae**  
4 Genera, 8 Species

- **Cussonia arborea** Hochst. ex A. Rich. Habit: Tree. Habitat: Wooded grassland, 1100–2400 m. Voucher: Napier 1980 (EA).
- **Cussonia spicata** Thunb. Habit: Tree. Habitat: Riverine, grassland forest, 1450–2500 m. Voucher: FOKP 1026 (EA, HIB).
- **Hydrocotyle mannii** Hook. f. Habit: Herb. Habitat: Forest floor, bamboo forest, 600–3370 m. Voucher: Mabberley & McCall 301 (EA).
- **Hydrocotyle ranunculoides** L. f. Habit: Herb. Habitat: Common in ponds and marshes, 700–2400 m. Voucher: Barnley via Tweedie 2584 (EA).
- **Polyscias fulva** (Hiern) Harms Habit: Tree. Habitat: Wet highland forest, 1400–2310 m. Vouchers: FOKP 1072 (EA, HIB), SAJIT Z0034 (EA, HIB).
- **Polyscias kikuyuensis** Summerh. Habit: Tree. Habitat: Wet upland forest, 1750–2750 m. Voucher: FOKP 1722 (EA, HIB).
- **Schefflera abyssinica** (Hochst. ex A. Rich.) Harms. Habit: Tree. Habitat: Wet upland forest, 1840–2770 m. Vouchers: SAJIT 004790 & 005092 (EA, HIB).
- **Schefflera volkensii** (Harms) Harms. Habit: Tree. Habitat: Wet or dry upland forest, 1700–2250 m. Vouchers: SAJIT 004785 (EA, HIB), FOKP 1007, 1228, 1892 & 11388 (EA, HIB), Friis et al. 2530 (EA).

**F130. Apiaceae**  
14 Genera, 22 Species

- **Agrocharis melanantha** Hochst. Habit: Herb. Habitat: High altitude grassland, 2300–2700 m. Voucher: Thulin & Tidings 126 (EA).
- **Agrocharis pedunculata** (Baker f.) Heywood & Jury. Habit: Herb. Habitat: Wooded grassland, 1860–2100 m. Voucher: Napier 1922 (EA).
- **Alepidea peduncularis** Steud. ex A. Rich. Habit: Herb. Habitat: Montane grassland, 1530–3550 m. Vouchers: SAJIT 004810 & 005105 (EA, HIB), FOKP 11315 (EA, HIB), Mabberley & McCall 113 (EA), Napper 1503 (EA).
- **Apium leptophyllum** (Pers.) F. Muell. ex Benth. Habit: Herb. Habitat: Disturbed areas, 1550–1660 m. Vouchers: FOKP 1299 & 11300 (EA, HIB), Mbuni 036 (EA).
- **Anthriscus sylvestris** (L.) Hoffm. Habit: Herb. Habitat: Bamboo zone, 2100–3550 m. Voucher: Mabberley McCall 200 (EA).
- **Caucalis incognita** C. Norman Habit: Herb. Habitat: Grassland, 1530–2550m. Voucher: Symes 514 (EA).
- **Caucalis pedunculata** Baker f. Habit: Herb. Habitat: Disturbed areas, 1550–2160 m. Voucher: Symes 524 (EA).
Cryptotaenia africana (Hook. f.) Drude Habit: Herb. Habitat: Montane forest, 1600–3000 m. Vouchers: FOKP 1741 (EA, HIB), Irwin 3777 (EA), Mabberley & McCall 35 (EA), Irving 377 (EA).

Diplolophium africanum Turcz. Habit: Herb. Habitat: Wooded grassland, 1350–2500 m. Voucher: Kokwaro 2535 (EA).

Haplosciadium abyssinicum Hochst. Habit: Herb. Habitat: Disturbed areas, 2150–4600 m. Voucher: Thulin & Tidigs 152 (EA).

Heteromorpha arborescens var. abyssinica (Hochst. ex A. Rich.) H. Wolff Habit: Herb. Habitat: Wooded grassland, 1300–2600 m. Voucher: Thulin & Tidigs 152 (EA).

Heteromorpha trifoliata (H.L. Wendl.) Eckl. & Zeyh. Habit: Habitat: Wooded grassland, 1250–2500 m. Vouchers: Mbuni 304 (EA, HIB), FOKP 11567 (EA, HIB).

Oenanthe procumbens (H. Wolff) Norman Habit: Herb. Habitat: Bamboo and highland forest, 1830–3200 m. Vouchers: Mabberley 574 (EA, HIB), Thulin & Tidigs 234 (EA).

Peucedanum aculeolatum Engl Habit: Herb. Habitat: Montane forest, 1900–2700 m. Voucher: FOKP 11398 (EA, HIB).

Peucedanum elgonense H. Wolff Habit: Herb. Habitat: Subalpine zone, streamside marshes, 1800–3500 m. Voucher: SAJIT 004797 (EA, HIB).

Peucedanum winkleri H. Wolff Habit: Herb. Habitat: Montane forest, 1800–3500 m. Voucher: Thulin & Tidigs 45 (EA).

Peucedanum kerstenii Engl. Habit: Herb. Habitat: Montane forest, 1800–3500 m. Voucher: Bogdan 4995 (EA).

Pimpinella hirtella A. Rich. Habit: Herb. Habitat: Upland grassland, 1800–2850 m. Vouchers: Symes 11345 (EA), Webster 8820 (EA).

Pimpinella lindblomii H. Wolff Habit: Herb. Habitat: Upland grassland, 1530–2600 m. Vouchers: FOKP 11695, Mbuni 695 (EA), Lewis 5988 (EA), Symes 755 (EA).

Pimpinella oreophila Hook. f. Habit: Herb. Habitat: Upper montane forest, heath zone, 3000–3550 m. Voucher: SAJIT 005151 (EA, HIB).

Sanicula elata Buch.--Ham. ex D. Don Habit: Herb. Habitat: Bamboo zone, 1500–3220 m. Vouchers: SAJIT 006902 & 006906 (EA, HIB), FOKP 1083, 11006 & 11614 (EA, HIB), Mbuni 614 (EA), Townsend 2384 (EA).

Torilis arvensis subsp. purpurea (Guss.) Thell. Habit: Herb. Habitat: Drier upland forest, 1560–2850 m, Bogdan 5001 (EA).

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