

*Monograph on*  
**Endemism in the  
Highlands and Escarpments  
of Angola and Namibia**



Angola Cave-Chat *Xenocopsychus ansorgei*  
Photo: M Mills

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# A botanical assessment of Mt Namba, Cuanza-Sul, Angola: an isolated mountain towards the northwestern limits of the Great Escarpment of southern Africa

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## ABSTRACT

A rapid assessment of Mt Namba recorded 271 plant taxa including six new records for Angola and 22 new records for the province of Cuanza-Sul. The mountain has the most extensive tracts of intact Afromontane forest in the country amid a mosaic of species-rich montane rocky grassland and miombo woodland at lower elevations. Range extensions of two shrubby species of Compositae reveal floristic affinities with the discrete elevated escarpment to the west of Lubango in Huíla Province nearly 400 km south of Mt Namba. We suggest that the largely intact ecological units we observed on Mt Namba might inform speculation as to the potential vegetation of the Serra da Chela which, due to local population pressures, is now mostly devoid of woody vegetation. The extent of threatened Afromontane forest vegetation in Angola and the presence of local endemic *Barleria namba* described from the mountain, qualify Mt Namba as an Important Plant Area for Angola. It has already been designated an Important Bird Area for the country. *Araujia sericifera*, an alien species of conservation concern due to its potential as an invasive, is recorded from Angola for the first time.

**Keywords:** Angola, endemism, floristic diversity, highland, Important Bird Area, Important Plant Area, invasive plants, Mt Namba

## INTRODUCTION

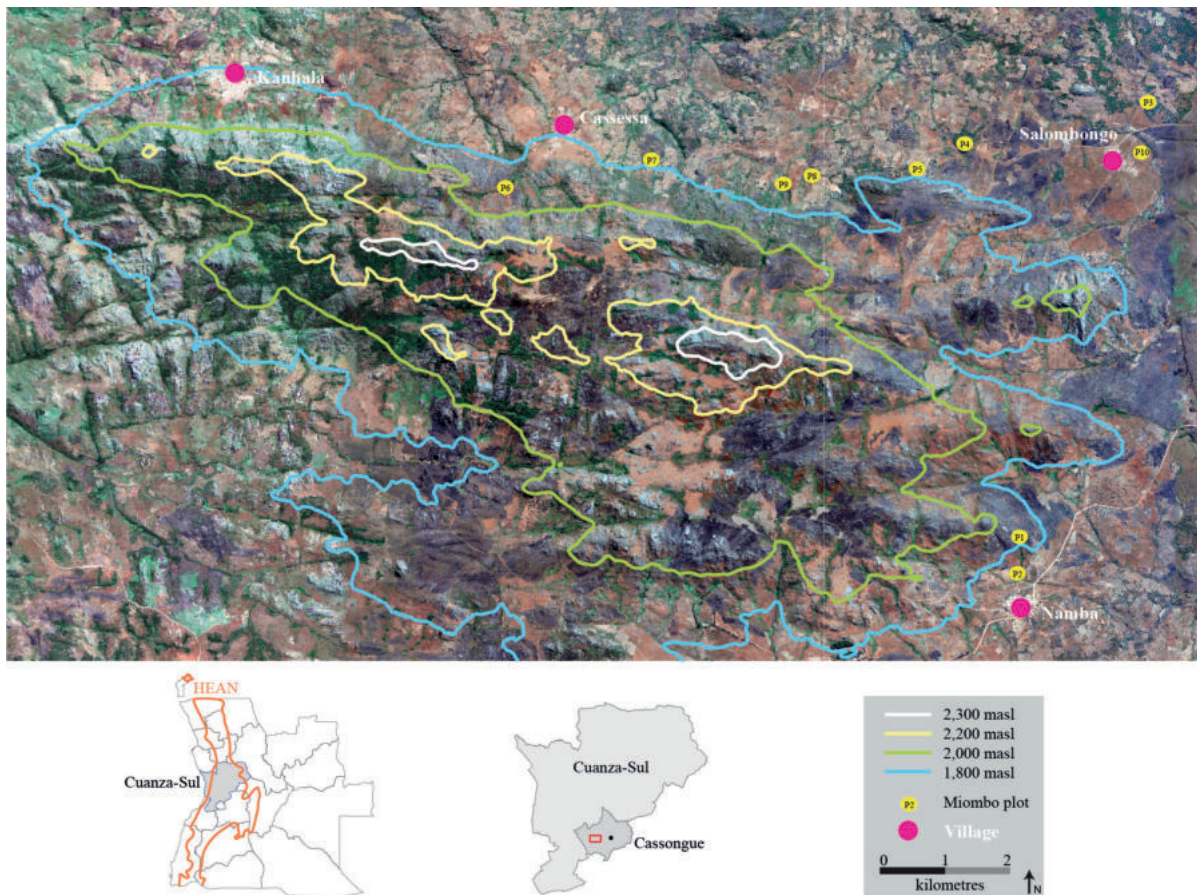
Mt Namba is located c. 30 km west of Cassongue in Cuanza-Sul Province and around 80 km to the north of Angola's highest mountain, Serra do Môco, in neighbouring Huambo Province. Huntley (2019, Mendelsohn & Huntley 2023) refers to this region as the Marginal Mountain Chain which comprises, "residual mountain lands, mostly at 1,800–2,200 m, underlain mostly by Precambrian rocks such as gneiss, granites and migmatites." Mt Namba reaches an elevation of 2,420 masl at its highest point, rising abruptly from the surrounding land which is about 1,600–1,800 masl (Figures 1–5). The Marginal Mountain Chain falls within the Angolan Montane Forest–Grasslands mosaic ecoregion (WWF 2021, Huntley 2023), an isolated portion of the Afromontane archipelago regional centre of endemism or phytochorion of White (1978, 1983), some 2,000 km to the west of Africa's eastern mountain chain.

Mt Namba lies within the northwestern limits of the Great Escarpment of southern Africa (Clark *et al.* 2011), which stretches from western Angola, through Namibia, South Africa, Lesotho and eSwatini to the Eastern Highlands of Zimbabwe and neighbouring Mozambique. Plant diversity and endemism of the northeastern limit of the Great Escarpment have been recently documented (Chimanimani: Wursten *et al.* 2017, Cheek *et al.*

2018; Nyanga: Clark *et al.* 2017; and Bvumba: Timberlake *et al.* 2020), but corresponding documentation of the Angolan portion of the escarpment is still lacking. The presence of Afromontane forest relicts in the Angolan highlands was noted by Barbosa (1970), Huntley (1974, 2011), White (1978, 1983) and Huntley and Matos (1994), but there have been no detailed surveys of these forests or regions. Indeed, the whole of Angola is poorly documented botanically in comparison to surrounding territories (Sosef *et al.* 2017, Goyder & Gonçalves 2019). Botanical surveys that have been published have focused on environments at lower elevations, such as the Serra do Pingano coffee forests of Uíge Province and other areas of neighbouring Cuanza-Norte (Lautenschläger *et al.* 2020, 2023, Mezonda *et al.* 2020); the Guineo-Congolian Cumbira Forest nestled beneath the Serra Njelo in Cuanza-Sul (Gonçalves & Goyder 2016); the upper reaches of the Okavango system centred on the high-rainfall Kalahari sand plateau of Moxico Province (Goyder *et al.* 2018); and the woody vegetation of Huíla Province (Gonçalves *et al.* 2017, 2021, Chisingui *et al.* 2018). The present contribution is an attempt to rectify that omission.

## MATERIAL AND METHODS

Botanical surveys were conducted by authors Gonçalves, Goyder and Luís on and around the Namba massif in the rainy (8–16 January) and dry



**Figure 1:** Map showing the elevation and position of Mt Namba in Cuanza-Sul Province, Angola, and the positions of the vegetation plots in the low-elevation miombo woodlands. HEAN (lower left) is the area designated as the highlands and escarpments of Angola and Namibia (Mendelsohn & Huntley 2023).

(10–18 June) seasons of 2016 in order to maximise the recording of plant diversity. Plant diversity was mostly assessed through walk-over surveys of each habitat. Higher elevations on the mountain (Vegetation Types 6 and 32; Barbosa 1970), and the lower slopes and surrounding areas (Vegetation Type 16; Barbosa 1970) were surveyed. The major vegetation types encountered generally formed discrete, readily observable units and were categorised informally.

Herbarium collections were made, mostly in sets of two, and deposited in the Lubango Herbarium (LUBA) at the Instituto Superior de Ciências de Educação da Huíla (ISCED-Huíla) in Angola and at the Herbarium of the Royal Botanic Gardens, Kew (K), United Kingdom. Herbarium acronyms follow Thiers (ongoing). Species covered by regulations of the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES), such as *Aloe* and Orchidaceae, were deposited only in Angolan institutions and identified from photographs.

Author Gomes visited the southern and eastern flanks of the mountain in June 2022, making voucher collections and field observations. In

addition, António Martins and Chris Hines kindly shared their photographs of plants taken on the mountain over several days in April and May 2018 and January 2019. Collections and photographs were identified principally by Goyder at Kew, with expert opinion sought from specialists in particular plant families: Susan Carter (*Aloe*), Iain Darbyshire (Acanthaceae and Orobanchaceae), Nicholas Hind (Compositae), Alan Paton (Lamiaceae), Andre Schuiteman (Orchidaceae), Gideon Smith (*Kalanchoe*), Marie Claire Veranso-Libalah (Melastomataceae) and Martin Xanthos (Cyperaceae, Gramineae).

Angiosperm classification and nomenclature follows APG IV *et al.* (2016) at family level, and the African Plant Database (Version 3.4.0) or Plants of the World Online (POWO 2021) in most cases at lower taxonomic levels, while fern and lycopod names follow Roux (2009). Occasionally, accepted names may diverge from these resources where expert opinion suggests otherwise. Where new country or provincial records are reported, Figueiredo and Smith (2008) with updates from Lautenschläger *et al.* (2020) and Mezonda *et al.* (2020) have been used as the baselines for comparison. Recent



**Figure 2:** Mt Namba from the east. Photo: D Goyder.



**Figure 3:** Southern slopes of Mt Namba showing rock slabs, montane grassland and fingers of Afromontane forest. Photo: C Hines.



**Figure 4:** Afromontane forest surrounded by montane rocky grassland above Kanhala village. Photo: D Goyder.



**Figure 5:** View of Mt Namba from Cassessa village. Photo: D Goyder.

taxonomic revisions and searchable online herbarium catalogues, principally those for the Natural History Museum (BM), University of Coimbra (COI), Royal Botanic Gardens, Kew (K), and Instituto de Investigação Científica Tropical (LISC), were also consulted.

Additionally, two of the authors (Gonçalves and Luís) set up a vegetation plot of 20 m × 20 m in each of ten woodland patches (Figure 1) to assess the woody species composition and diversity of the miombo woodlands below the mountain. The species were ranked by Importance Value Index (IVI) through the summation of their relative values of frequency, density and dominance (Freitas & Magalhães 2012).

## RESULTS

Around 200 plant collections were made with many additional unvouchered photographic or visual observations. An annotated checklist is presented in Appendix 1. As this represents plants collected and observed on only a few brief visits, it is by no means exhaustive. It records 271 taxa. Six new records for Angola, one of which is a potential invasive, and 22 new records for Cuanza-Sul are highlighted.

Afromontane forest patches (Figure 4) occur at high elevations within a mosaic of fire-prone montane

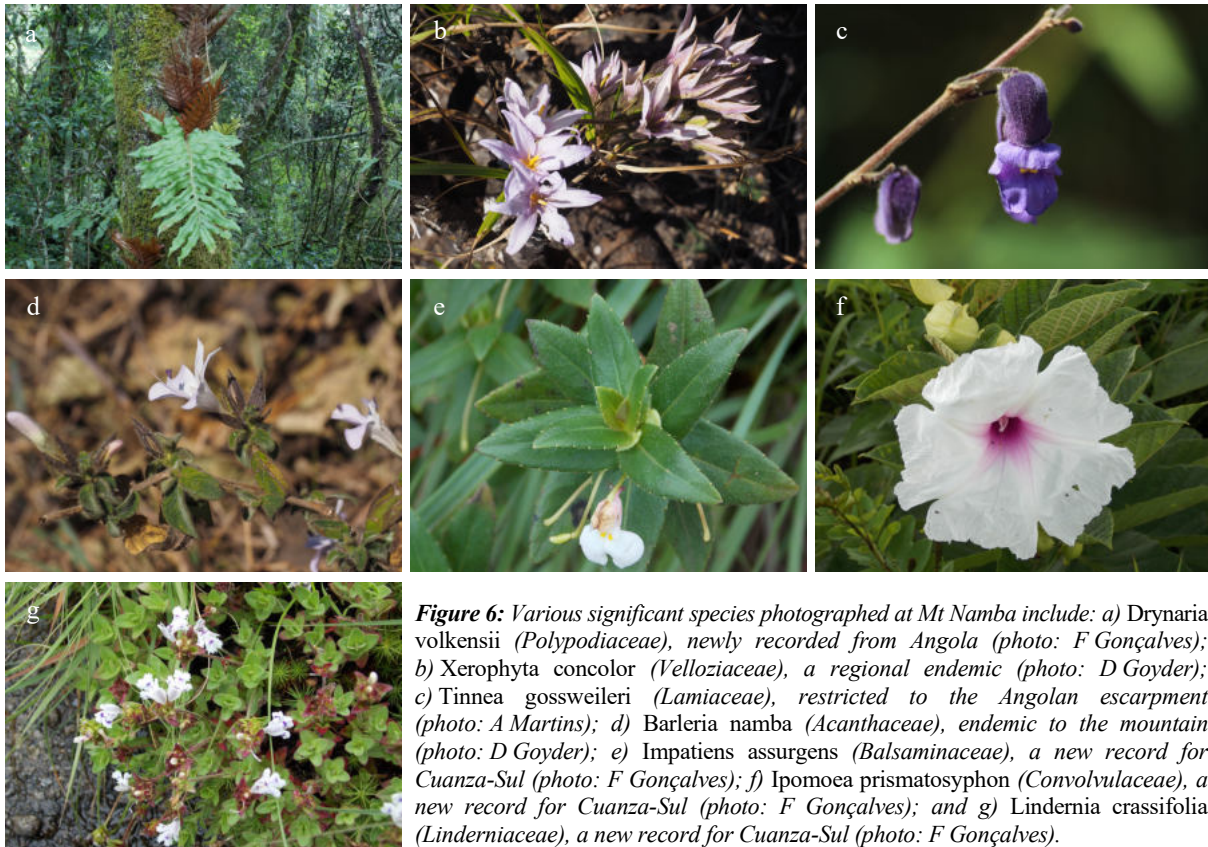
rocky grasslands, with miombo woodland and ruderal vegetation at lower elevations (Figure 3).

### Afromontane forest

We were able to access closed-canopy Afromontane forest patches above the villages of Cassessa and Kanhala on the northern slopes of the mountain (Figure 4). Patches of forest are restricted to rocky gullies at high elevation (2,000–2,200 m, generally). The principal tree species are *Bersama abyssinica* Fresen. subsp. *abyssinica*, *Nuxia congesta* R.Br. ex Fresen., *Pittosporum viridiflorum* Sims, *Podocarpus milanjanus* Rendle and *Syzygium afromontanum* (F.White) Byng. Understorey shrubs included several species of *Psychotria* (Rubiaceae), while *Elatostema monticola* Hook.f. (Urticaceae) found growing on rocks in a forest stream represents a new record for Angola. The epiphytic fern *Drynaria volkensii* Hieron. (Figure 6a) and the Apocynaceae climber *Periploca linearifolia* A.Rich are also recorded from Angola for the first time.

### Montane rocky grassland

*Cussonia angolensis* (Seem.) Hiern and *Erythrina abyssinica* Lam. ex DC. occur among larger rock slabs, along with scattered individuals of *Phoenix reclinata* Jacq., *Faurea discolor* Welw., *Rothea myricoides* (Hochst.) Steane & Mabb. var. *discolor* (Klotzsch) Verdc. and *Aloe littoralis* Baker. The resurrection plant *Myrothamnus flabellifolius*



**Figure 6:** Various significant species photographed at Mt Namba include: a) *Drynaria volkensii* (Polypodiaceae), newly recorded from Angola (photo: F Gonçalves); b) *Xerophyta concolor* (Velloziaceae), a regional endemic (photo: D Goyder); c) *Tinnea gossweileri* (Lamiaceae), restricted to the Angolan escarpment (photo: A Martins); d) *Barleria namba* (Acanthaceae), endemic to the mountain (photo: D Goyder); e) *Impatiens assurgens* (Balsaminaceae), a new record for Cuanza-Sul (photo: F Gonçalves); f) *Ipomoea prismatosyphon* (Convolvulaceae), a new record for Cuanza-Sul (photo: F Gonçalves); and g) *Lindernia crassifolia* (Linderniaceae), a new record for Cuanza-Sul (photo: F Gonçalves).

Welw. was also observed. There are extensive populations of *Xerophyta concolor* L.B.Sm. & Ayensu (Figure 6b), a species described from Serra de Candungo, west of Huambo in Benguela Province, that is also known from an inselberg in Cuanza-Sul close to the Queve River (Behnke *et al.* 2013).

We report significant range extensions for *Othonna huillensis* Welw. ex Hiern and *Lopholaena decurrens* (Hutch.) E.Phillips & C.A.Sm. These species were previously known only from the Serra da Chela close to Lubango, an area of considerable plant endemism, although this has not been adequately analysed to date (Goyder & Gonçalves 2019). We note that de Cauwer *et al.* (2023) have recently recorded *Othonna huillensis* from the remote Otjihipa Mountains of northwestern Namibia, extending its known distribution to the south as well. Compositae, Lamiaceae and Rubiaceae are all well represented in open habitats. *Tinnea gossweileri* Robyns & Lebrun (Figure 6c) is restricted to the Angolan escarpment, occurring on the Serra da Chela, through Huambo Province and into Cuanza-Sul.

A wide range of perennial herbs and subshrubs includes *Berkheya angolensis* O.Hoffm., *Droogmansia megalantha* (Taub.) De Wild. var. *pilosa* (Taub.) De Wild., *Gnidia kraussiana* Meisn. var. *mollissima* (E.A.Bruce) A.Robyns, *Hibiscus rhodanthus* Gürke,

*Humularia welwitschii* (Taub.) P.A.Duvign. var. *gossweileri* (Baker f.) P.A.Duvign., *Pentanisia rubricaulis* (K.Schum.) Kårehad & B.Bremer and *Pseudognaphalium luteo-album* (L.) Hilliard & B.L.Burt.

*Tripteris monocephala* Oliv. & Hiern represents a new record for Angola, while new provincial records include *Cephalaria retrosetosa* Engl. & Gilg, *Isodon ramosissimus* (Hook.f.) Codd and *Triumfetta welwitschii* Mast. An endemic species of Acanthaceae, *Barleria namba* I.Darbysh. (Figure 6d) was described from material collected during the June surveys and is known only from Mt Namba (Darbyshire *et al.* 2019).

Unfortunately, at the time of our brief visits, Gramineae were not in flower, so we are unable to comment on grass diversity.

#### Miombo woodland

The miombo woodlands below the mountain were comprised of detarioid legumes such as *Brachystegia floribunda* Benth., *B. gossweileri* Hutch. & Burt Davy, *B. spiciformis* Benth. and *Isoberlinia angolensis* (Welw. ex Benth.) Hoyle & Brenan var. *lasiocalyx* Hoyle & Brenan., with *Pericopsis angolensis* (Baker) Meeuwen (Papilionoideae), *Uapaca kirkiana* Müll. Arg. var. *benguelensis* (Müll. Arg.) Meerts, *U. nitida* Müll. Arg., *Bridelia micrantha* (Hochst.) Baill. and *Hymenocardia acida* Tul.

(Phyllanthaceae), *Monotes* spp. (Dipterocarpaceae) and *Parinari curatellifolia* Planch. ex Benth. (Chrysobalanaceae) also present. Several species of Combretaceae were also recorded.

Four hundred and twenty-eight individual trees were recorded and measured from the ten vegetation plots. The ten most dominant species ranked by their IVI were: *Isoberlinia angolensis* (29.2%), *Brachystegia gossweileri* (26.9%), *Monotes* sp. (15.4%), *Uapaca nitida* (11.8%), *Parinari curatellifolia* (8.8%), *Bridelia micrantha* (8.4%), *Hymenocardia acida* (7.0%), *Uapaca kirkiana* (6.7%), *Brachystegia floribunda* (5.7%) and *Brachystegia spiciformis* (5.4%).

*Vernonia nestor* S.Moore, found in a patch of miombo close to Namba village, represents a new record for Angola.

## DISCUSSION AND THREATS TO BIODIVERSITY

Mills *et al.* (2013) designated Mt Namba an Important Bird Area, principally on the basis of the twenty Afromontane-forest bird taxa found there. Many of these are now rare or extinct on Serra do Môco, the only other mountain in the region with significant patches of Afromontane forest (Mills *et al.* 2011). This reflects the more extensive and largely intact tracts of forest on Mt Namba whose extent was estimated at around 590 ha (Mills *et al.* 2013), an order of magnitude larger than equivalent forest patches on Môco, which are heavily impacted by the local population (Gonçalves 2009).

The mountain would also qualify as an Important Plant Area under Criterion A(i) of Darbyshire *et al.* (2017) on the basis of *Barleria namba* which is endemic to the mountain and which was assessed as Vulnerable under Criterion D2 of the International Union for Conservation of Nature (IUCN) Red List (Darbyshire *et al.* 2020), and under Criterion C as home to the largest extent of threatened Afromontane forest habitat in the country.

We observed no timber extraction or significant damage to trees in the Afromontane forest, and there was little evidence of charcoal production in the surrounding woodlands, although we did see a few miombo trees that had been cut. Excavations to harvest roots of the leguminous herb *Eminia benguellensis* Torre were spotted in one patch of miombo; the roots of a related species *Pseudeminia muxiria* (Welw. ex Baker) Verdc. are used to sweeten a traditional drink (*kissangua*) in south-central parts of Angola made from cornflour and water (Sanfilippo 2014).

Grasslands on the mountain are burnt annually, but this probably has little effect on species composition.

The forest itself is resistant to fire. Only in a few areas were large stands of bracken, *Pteridium aquilinum* (L.) Kuhn subsp. *centrali-africanum* Hieron. ex R.E.Fr., observed. One of these was at the margin of a patch of Afromontane forest above Cassessa village. Extensive stands of *Pteridium* can be an indicator of disturbance or excessive fire frequency. Rather worryingly, Powell *et al.* (2023) have reported fires within closed-canopy forest on the mountain in recent years, which they link to increased human pressure. A potentially invasive South American species *Araujia sericifera* Brot. was found only once, close to a cattle ranch on the plateau. Two forms are in cultivation: one, originating in the environs of Buenos Aires, has become a significant problem in Mediterranean biomes including the Cape Fynbos in South Africa; the other more tropical form originating in southeastern Brazil seems to be less of a problem. The plant found on Mt Namba was in fruit and not in flower so the variety could not be determined, but Goyder believes that the local environment would be more conducive to the tropical form than the Buenos Aires form of the species. This is the first report of *Araujia sericifera* from Angola (Figueiredo & Smith 2008, Rejmánek *et al.* 2017).

We recorded evidence of blue duiker (*Philantomba monticola* Thunberg, 1789) on the mountain on a camera-trap set up in the forest above Kanhala village. However, this was the sole observation of a mammal recorded by this method, suggesting that the population may have been reduced due to poaching. We also saw recent diggings made by aardvark (*Orycteropus afer* Pallas, 1766). Many artisanal traps were encountered in both forest and woodland environments. These were probably intended to catch small mammals and edible game birds (Swierstra's spurfowl (*Pternistis swierstrai*) and Finsch's francolin (*Scleroptila finschi*) were spotted on and around the mountain).

## CONCLUSIONS

Mt Namba retains the largest extent of intact Afromontane forest in Angola and despite some conservation concerns, the forest seems to be largely intact but vulnerable to a recent increase in fires. Miombo woodland at lower elevations is certainly more affected by human activity, however, there was little evidence of charcoal production in the region. The seasonally burnt montane rocky grassland harbours many plants of interest including the recently described *Barleria namba* (Acanthaceae), which is known only from this mountain, and large populations of the regional endemic *Xerophyta concolor*. Two shrubby Compositae species in this habitat, *Lopholaena decurrens* and *Othonna huillensis*, demonstrate floristic affinities with the much more intensively collected Serra da Chela, the high

escarpment zone close to the city of Lubango. Indeed, the more natural condition of the forest-grassland-miombo mosaic habitat on Mt Namba gives potential insights into the former state of other upland regions such as the Serra da Chela on which almost all woody vegetation has been cleared for timber or charcoal production.

Mt Namba qualifies for recognition as both an Important Bird Area (Mills *et al.* 2013) following the criteria of Fishpool and Evans (2001), and an Important Plant Area as indicated here according to criteria laid out by Darbyshire *et al.* (2017).

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**Appendix 1: Annotated checklist of the vascular plants of Mt Namba**

This checklist was based on field surveys conducted in January and June 2016 and June 2022 and photographic surveys by Martins and Hines in April/May 2018 and January 2019 of plants in Vegetation Types 6 (Afromontane forest relicts), 16 (submontane miombo woodland, savanna and geoxylic grassland) and 32 (montane geoxylic grassland) of Barbosa (1970). Two hundred and seventy-one taxa were recorded, including six new records for Angola, and 22 for the province of Cuanza-Sul.

Family	Species	Habitat	Vouchers	New records
<b>LYCOPODIOPHYTA</b>				
Lycopodiaceae	<i>Lycopodiella cernua</i> (L.) Pic.Serm.	Forest, woodland	Goyder <i>et al.</i> 8625; Maiato & Camôngua 1132	Cuanza-Sul
	<i>Lycopodium clavatum</i> L.	Forest	Gomes visual record	
<b>PTERIDOPHYTA</b>				
Anemiaceae	<i>Anemia angolensis</i> Alston	Grassland	Gomes visual record	
	<i>Mohria vestita</i> Baker	Grassland	Maiato & Camôngua 1120	
Aspleniaceae	<i>Asplenium aethiopicum</i> (Burm.f.) Bech.	Forest	Maiato & Camôngua 1121	Cuanza-Sul
	<i>Asplenium friesiorum</i> C.Chr.	Forest	Goyder <i>et al.</i> 8643	Cuanza-Sul
Cyatheaceae	<i>Alsophila dregei</i> (Kunze) R.M.Tryon	Woodland	Goyder <i>et al.</i> visual record 4	Cuanza-Sul
Dennstaedtiaceae	<i>Pteridium aquilinum</i> (L.) Kuhn subsp. <i>centrali-africanum</i> Hieron. ex R.E.Fr.	Forest, grassland	Goyder <i>et al.</i> visual record 27	
Dryopteridaceae	<i>Didymochlaena truncatulata</i> (Sw.) J.Sm.	Forest	Goyder <i>et al.</i> 8637	
Nephrolepidaceae	<i>Nephrolepis</i> sp.	Forest	Goyder <i>et al.</i> 8689	
Osmundaceae	<i>Osmunda regalis</i> L.	Woodland, wetland, grassland	Goyder <i>et al.</i> 8629; Maiato & Camôngua 1118	
Polypodiaceae	<i>Drynaria laurentii</i> (H.Christ ex De Wild. & T.Durand) Hieron.	Forest	Maiato & Camôngua 1115	
	<i>Drynaria volkensii</i> Hieron.	Forest	Maiato & Camôngua 1133; Goyder <i>et al.</i> visual record 7 (Figure 6a)	Angola
Sinopteridaceae	<i>Cheilanthes inaequalis</i> (Kunze) Mett.	Grassland	Maiato & Camôngua 1134	
<b>GYMNOSPERMAE</b>				
Podocarpaceae	<i>Podocarpus milanjanus</i> Rendle	Forest	Gomes 882; Goyder <i>et al.</i> 8642; Goyder <i>et al.</i> visual record 13	
<b>ANGIOSPERMAE: MAGNOLIIDS</b>				
Annonaceae	<i>Annona stenophylla</i> Engl. & Diels	Woodland	Gomes visual record	
Piperaceae	<i>Piper capense</i> L.f. var. <i>capense</i>	Forest	Gomes 925; Goyder <i>et al.</i> 8641	
<b>ANGIOSPERMAE: MONOCOTS</b>				
Amaryllidaceae	<i>Boophone disticha</i> (L.f.) Herb.	Grassland	Gomes visual record	
Asparagaceae	<i>Asparagus</i> sp.	Forest	Goyder <i>et al.</i> 8690	
	<i>Albuca abyssinica</i> Jacq.	Grassland	Photographic record (Martins s.n.)	

Family	Species	Habitat	Vouchers	New records
	<i>Dracaena mannii</i> Baker	Forest	Gomes visual record	
<b>Asphodelaceae</b>	<i>Aloe andongensis</i> Baker var. <i>andongensis</i>	Grassland	Photographic record (Hines CJHH-4561; Martins s.n.)	
	<i>Aloe littoralis</i> Baker	Grassland	Goyder <i>et al.</i> visual record 17	
	<i>Aloe</i> sp.	Grassland	Maiato & Camôngua 1098	
<b>Burmanniaceae</b>	<i>Burmannia madagascariensis</i> Mart.	Wetland	Photographic record (Hines CJHH-4129; Martins s.n.)	
<b>Commelinaceae</b>	<i>Cyanotis lanata</i> Benth.	Grassland	Maiato & Camôngua 1062	
	<i>Cyanotis longifolia</i> Benth.	Grassland	Maiato & Camôngua 1068	
<b>Gramineae</b>	<i>Hyparrhenia newtonii</i> (Hack.) Stapf	Grassland	Photographic record (Hines CJHH-4523)	
<b>Iridaceae</b>	<i>Gladiolus dalenii</i> Van Geel	Woodland, grassland	Goyder <i>et al.</i> 8662; Maiato & Camôngua 1123; Goyder <i>et al.</i> visual record 16	
	<i>Gladiolus</i> sp.	Grassland	Maiato & Camôngua 1125	
	<i>Moraea textilis</i> Baker	Grassland	Maiato & Camôngua 1124; photographic record (Hines CJHH-4715; Martins s.n.)	
<b>Orchidaceae</b>	<i>Bulbophyllum scaberulum</i> (Rolfe) Bolus	Woodland	Maiato & Camôngua 1114; photographic record (CJHH-4688; Martins s.n.)	
	<i>Eulophia horsfallii</i> (Bateman) Summerh.	Wetland	Goyder <i>et al.</i> 8628	
	<i>Platycoryne micrantha</i> Summerh.	Wetland	Photographic record (Hines CJHH-8490)	
<b>Palmae</b>	<i>Phoenix reclinata</i> Jacq.	Forest, woodland, grassland	Goyder <i>et al.</i> visual record 2; visual record 5; visual record 18	
<b>Pandanaceae</b>	<i>Pandanus welwitschii</i> Rendle	Grassland, wetland	Goyder <i>et al.</i> 8676 (photographic record only)	
<b>Smilacaceae</b>	<i>Smilax anceps</i> Willd.	Grassland	Gomes visual record	
<b>Velloziaceae</b>	<i>Xerophyta concolor</i> L.B.Sm. & Ayensu	Grassland	Goyder <i>et al.</i> 8627 (Figure 6b)	
<b>ANGIOSPERMAE: EUDICOTS</b>				
<b>Acanthaceae</b>	<i>Acanthus montanus</i> (Nees) T.Anderson	Woodland, forest	Goyder <i>et al.</i> 8612; Goyder <i>et al.</i> visual record 10; photographic record (Martins s.n.)	
	<i>Barleria namba</i> I.Darbysh.	Grassland	Goyder <i>et al.</i> 8660 (Figure 6d)	
	<i>Blepharis buchneri</i> Lindau	Grassland	Photographic record (Martins s.n.)	
	<i>Blepharis cuanzensis</i> S.Moore	Grassland	Gomes visual record	
	<i>Hypoestes triflora</i> (Forssk.) Roem. & Schult.	Forest	Goyder <i>et al.</i> 8639	Cuanza-Sul
	<i>Justicia betonica</i> L.	Forest	Gomes visual record	
	<i>Neuracanthus gracilior</i> S.Moore	Woodland, grassland	Photographic record (Martins s.n.)	
<b>Anacardiaceae</b>	<i>Phaulopsis lankesterioides</i> (Lindau) Lindau	Woodland	Goyder <i>et al.</i> 8680	Cuanza-Sul
	<i>Lannea edulis</i> (Sond.) Engl.	Grassland	Gomes visual record	
	<i>Lannea rubra</i> (Hiern) Engl.	Grassland	Gomes visual record	
<b>Anisophylleaceae</b>	<i>Anisophyllea boehmii</i> Engl.	Woodland	Goyder <i>et al.</i> 8675	
<b>Apocynaceae</b>	<i>Araujia sericifera</i> Brot.	Grassland, ruderal	Photographic record (Gomes DSCN1049)	Angola

Family	Species	Habitat	Vouchers	New records
	<i>Gomphocarpus physocarpus</i> E.Mey.	Forest, grassland	Goyder <i>et al.</i> 8620; photographic record (Martins s.n.)	
	<i>Huernia volkartii</i> Werderm. & Peitscher var. <i>volkartii</i>	Grassland	Photographic record (Hines CJHH-8498)	
	<i>Landolphia buchananii</i> (Hallier f.) Stapf	Forest	Goyder <i>et al.</i> 8645	
	<i>Landolphia camptoloba</i> (K.Schum.) Pichon	Forest	Gomes visual record	
	<i>Periploca linearifolia</i> A.Rich.	Forest	Goyder <i>et al.</i> 8650; Goyder <i>et al.</i> visual record 12	Angola
	<i>Strophanthus welwitschii</i> (Baill.) K.Schum.	Grassland	Gomes visual record	
<b>Araliaceae</b>	<i>Cussonia angolensis</i> (Seem.) Hiern	Grassland	Visual record 8; photographic record (Martins s.n.)	
	<i>Polyscias fulva</i> (Hiern) Harms	Forest	Gomes visual record	
<b>Balsaminaceae</b>	<i>Impatiens assurgens</i> Baker f.	Grassland	Maiato & Camôngua 1126 (Figure 6e)	Cuanza-Sul
<b>Boraginaceae</b>	<i>Trichodesma ambacense</i> Welw. [but leaves whorled like in <i>T. baumii</i> ]	Woodland	Goyder <i>et al.</i> 8679	
<b>Campanulaceae</b>	<i>Lobelia xongorolana</i> E.Wimm.	Grassland	Gomes visual record	
	<i>Wahlenbergia napiformis</i> (A.DC.) Thulin	Grassland	Maiato & Camôngua 1104	
<b>Cannabaceae</b>	<i>Trema orientale</i> (L.) Blume	Forest	Gomes visual record	
<b>Caprifoliaceae</b>	<i>Cephalaria retrosetosa</i> Engl. & Gilg	Grassland	Goyder <i>et al.</i> 8694; photographic record (Hines CJHH-5034; Martins s.n.)	Cuanza-Sul
	<i>Scabiosa columbaria</i> L.	Grassland	Gomes visual record	
<b>Caryophyllaceae</b>	<i>Dianthus angolensis</i> Hiern ex F.N.Williams subsp. <i>angolensis</i>	Woodland	Goyder <i>et al.</i> 8661	
<b>Celastraceae</b>	<i>Gymnosporia acuminata</i> (L.f.) Szyszyl.	Forest	Goyder <i>et al.</i> 8688	
	<i>Gymnosporia senegalensis</i> (Lam.) Loes.	Grassland	Gomes visual record	
<b>Chrysobalanaceae</b>	<i>Parinari curatellifolia</i> Planch. ex Benth.	Woodland	Gomes 887; Goyder <i>et al.</i> visual record 28; photographic record (Martins s.n.)	
<b>Clusiaceae</b>	<i>Garcinia smeathmannii</i> (Planch. & Triana) Oliv.	Forest	Gomes 883	
<b>Combretaceae</b>	<i>Combretum argyrotrichum</i> Welw. ex M.A.Lawson	Woodland	Maiato & Camôngua 1135	
	<i>Combretum collinum</i> Fresen	Grassland, woodland	Gomes visual record	
	<i>Combretum molle</i> R.Br. ex G.Don	Woodland	Goyder <i>et al.</i> 8603	
	<i>Combretum platypetalum</i> Welw. ex M.A.Lawson	Woodland	Goyder <i>et al.</i> 8619; photographic record (Martins s.n.)	
	<i>Combretum psidioides</i> Welw.	Woodland	Maiato & Camôngua 1138b	
	<i>Combretum</i> sp.	Grassland	Maiato & Camôngua 1146b	
	<i>Terminalia prunioides</i> M.A.Lawson	Woodland	Maiato & Camôngua 1116	
<b>Compositae</b>	<i>Artemisia afra</i> Jacq. ex Willd.	Grassland, woodland	Gomes visual record	
	<i>Berkheya angolensis</i> O.Hoffm.	Grassland	Gomes 901; Goyder <i>et al.</i> 8633; Maiato & Camôngua 1140; Goyder <i>et al.</i> visual record 15	
	<i>Berkheya carlinopsis</i> Welw. ex O.Hoffm.	Grassland	Gomes 899	
	<i>Berkheya welwitschii</i> O.Hoffm.	Grassland	Gomes 900; Maiato & Camôngua 1079	

Family	Species	Habitat	Vouchers	New records
	<i>Dicoma welwitschii</i> O.Hoffm.	Woodland	Goyder <i>et al.</i> 8707	
	<i>Helichrysum globosum</i> A.Rich.	Grassland	Maiato & Camôngua 1084	
	<i>Helichrysum odoratissimum</i> (L.) Sweet	Grassland	Goyder <i>et al.</i> 8700	
	<i>Helichrysum stramineum</i> Hiern	Grassland	Maiato & Camôngua 1082	
	<i>Inula glomerata</i> Oliv. & Hiern	Woodland	Goyder <i>et al.</i> 8611	
	<i>Lopholaena decurrens</i> (Hutch.) E.Phillips & C.A.Sm.	Grassland	Goyder <i>et al.</i> 8652; photographic record (Martins s.n.)	Cuanza-Sul
	<i>Othonna huillensis</i> Welw. ex Hiern	Grassland	Gomes 902; Goyder <i>et al.</i> 8631; Goyder <i>et al.</i> visual record 19	Cuanza-Sul
	<i>Pleiotaxis pulcherrima</i> S.Moore	Grassland	Maiato & Camôngua 1087	
	<i>Pseudognaphalium luteo-album</i> (L.) Hilliard & B.L.Burt	Grassland	Goyder <i>et al.</i> 8659	
	<i>Senecio pachyrhizus</i> O.Hoffm.	Woodland	Goyder <i>et al.</i> 8626	
	<i>Stomatanthes africanus</i> (Oliv. & Hiern) R.M.King & H.Rob.	Grassland	Gomes 903	
	<i>Tagetes minuta</i> L.	Grassland, woodland	Photographic record (Martins s.n.)	
	<i>Tripteris monocephala</i> Oliv. & Hiern	Grassland	Goyder <i>et al.</i> 8654	Angola
	<i>Vernonia britteniana</i> Hiern	Grassland	Goyder <i>et al.</i> 8696	Cuanza-Sul
	<i>Vernonia filipendula</i> Hiern	Grassland	Maiato & Camôngua 1091	
	<i>Vernonia incompta</i> S.Moore	Grassland	Maiato & Camôngua 1083	
	<i>Vernonia karaguensis</i> Oliv. & Hiern	Forest	Goyder <i>et al.</i> 8684	
	<i>Vernonia nestor</i> S.Moore	Woodland	Goyder <i>et al.</i> 8669	Angola
	<i>Vernonia</i> cf. <i>poskeana</i> Vatke & Hildebr.	Grassland	Goyder <i>et al.</i> 8655	
	<i>Vernonia sclerophylla</i> O.Hoffm.	Grassland	Maiato & Camôngua 1090	
	<i>Vernonia turbinella</i> S.Moore	Grassland	Maiato & Camôngua 1085; Maiato & Camôngua 1088	
	<i>Vernonia</i> sp. 1	Grassland	Maiato & Camôngua 1080	
	<i>Vernonia</i> sp. 2	Grassland	Maiato & Camôngua 1081	
	<i>Vernonia</i> sp. 3	Grassland	Maiato & Camôngua 1086	
<b>Convolvulaceae</b>	<i>Ipomoea involucrata</i> P.Beauv.	Grassland	Gomes visual record	
	<i>Ipomoea prismatosyphon</i> Welw.	Grassland	Maiato & Camôngua 1107 (Figure 6f)	Cuanza-Sul
<b>Crassulaceae</b>	<i>Crassula vaginata</i> Eckl. & Zeyh.	Grassland	Gomes 911	
	<i>Kalanchoe teixeirae</i> Raym.-Hamet ex R.Fern.	Grassland	Photographic record (Hines CJHH-4236; Martins s.n.)	
<b>Dipterocarpaceae</b>	<i>Monotes</i> sp. (? <i>M. hypoleucus</i> (Oliv.) Gilg var. <i>caloneurus</i> (Gilg) Meerts)	Woodland	Gomes visual record; Goyder <i>et al.</i> visual record 25	
<b>Ebenaceae</b>	<i>Euclea natalensis</i> A.DC. subsp. <i>natalensis</i>	Grassland	Goyder <i>et al.</i> 8699	
<b>Ericaceae</b>	<i>Erica benguelensis</i> (Welw. ex Engl.) E.G.H.Oliv.	Grassland	Goyder <i>et al.</i> 8651	
<b>Gentianaceae</b>	<i>Chironia angolensis</i> Gilg	Grassland	Gomes visual record	
	<i>Swertia welwitschii</i> Engl.	Grassland	Photographic record (Martins s.n.)	
<b>Hydrostachyaceae</b>	<i>Hydrostachys polymorpha</i> Klotsch	Submerged aquatic	Gomes visual record	
<b>Hypericaceae</b>	<i>Harungana madagascariensis</i> Lam. ex Poir.	Woodland	Goyder <i>et al.</i> 8670	

Family	Species	Habitat	Vouchers	New records
	<i>Hypericum roeperianum</i> Schimp. ex A.Rich.	Woodland, grassland	Goyder <i>et al.</i> 8613	Cuanza-Sul
	<i>Psorospermum febrifugum</i> Spach	Woodland	Gomes visual record	
Lamiaceae	<i>Aeollanthus buchnerianus</i> Briq.	Grassland	Maiato & Camôngua 1066	
	<i>Aeollanthus engleri</i> Briq.	Woodland	Goyder <i>et al.</i> 8609	
	<i>Aeollanthus</i> sp.	Grassland	Maiato & Camôngua 1142	
	<i>Clerodendrum capitatum</i> (Willd.) Schumach.	Forest	Goyder <i>et al.</i> 8640; photographic record (Gomes DSCN0542)	
	<i>Clerodendrum formicarum</i> Gürke	Grassland, woodland	Gomes visual record	
	<i>Clerodendrum splendens</i> G.Don	Forest, woodland	Gomes visual record	
	<i>Coleus welwitschii</i> Briq. [syn. <i>Plectranthus dupiusii</i> (Briq.) A.J.Paton]	Grassland	Maiato & Camôngua 1144b; Photographic record (Martins s.n.)	
	<i>Endostemon membranaceus</i> (Banth.) Ayob. ex A.J.Paton & Harley	Grassland	Maiato & Camôngua 1145	
	<i>Endostemon tubulascens</i> (Briq.) M.Ashby	Grassland	Maiato & Camôngua 1106	
	<i>Endostemon villosus</i> (Briq.) M.Ashby	Grassland	Maiato & Camôngua 1144a	
	<i>Holostylon robustum</i> (Hiern) G.Taylor [syn. <i>Plectranthus robustus</i> (Hiern) A.J.Paton]	Woodland	Goyder <i>et al.</i> 8681	
	<i>Isodon ramosissimus</i> (Hook.f.) Codd	Grassland	Goyder <i>et al.</i> 8698	Cuanza-Sul
	<i>Leonotis nepetifolia</i> (L.) R.Br. var. <i>nepetifolia</i>	Ruderal	Photographic record (Martins s.n.)	
	<i>Platostoma strictum</i> (Hiern) A.J.Paton	Wetland	Photographic record (Martins s.n.)	
	<i>Plectranthus tenuicaulis</i> (Hook.f.) J.K.Morton	Wetland	Photographic record (Martins s.n.)	
	<i>Pycnostachys angolensis</i> G.Taylor	Forest, grassland	Gomes 921; Goyder <i>et al.</i> 8621; photographic record (Martins s.n.)	
	<i>Rothea myricoides</i> (Hochst.) Steane & Mabb. var. <i>discolor</i> (Klotzsch) Verdc.	Grassland	Goyder <i>et al.</i> 8697; Maiato & Camôngua 1139	
	<i>Solenostemon niveus</i> Hiern	Grassland	Goyder <i>et al.</i> 8701	
	<i>Syncolostemon welwitschii</i> (Rolfe) D.F.Otieno	Grassland	Maiato & Camôngua 1143	
	<i>Tinnea eriocalyx</i> Welw.	Grassland	Maiato & Camôngua 1129; Maiato & Camôngua 1130	
<i>Tinnea gossweileri</i> Robyns & Lebrun	Grassland	Photographic record (Martins s.n.) (Figure 6c)		
<i>Vitex madiensis</i> Oliv. subsp. <i>milanskiensis</i> (Britten) F.White	Woodland	Goyder <i>et al.</i> 8710		
Leguminosae	<i>Aeschynomene baumii</i> Harms	Grassland	Goyder <i>et al.</i> 8656	
	<i>Albizia antunesiana</i> Harms	Woodland	Gomes visual record	
	<i>Albizia zygia</i> (DC.) J.F.Macbr.	Woodland	Gomes visual record	
	<i>Bobgunnia madagascariensis</i> (Desv.) J.H.Kirkbr. & Wiersema	Woodland	Gomes visual record	
	<i>Brachystegia floribunda</i> Benth.	Woodland	Goyder <i>et al.</i> 8713	
	<i>Brachystegia gossweileri</i> Hutch. & Burt Davy	Woodland	Goyder <i>et al.</i> 8712; Goyder <i>et al.</i> visual record 22	
	<i>Brachystegia spiciformis</i> Benth.	Woodland	Goyder <i>et al.</i> 8714; Goyder <i>et al.</i> visual record 21	
	<i>Brachystegia tamarindoides</i> Welw. ex Benth.	Woodland	Gomes visual record	

Family	Species	Habitat	Vouchers	New records
	<i>Crotalaria</i> sp. 1	Woodland	Photographic record (Martins s.n.)	
	<i>Crotalaria</i> sp. 2	Grassland	Photographic record (Martins s.n.)	
	<i>Droogmansia megalantha</i> (Taub.) De Wild. var. <i>pilosa</i> (Taub.) De Wild.	Grassland	Goyder <i>et al.</i> 8658	
	<i>Droogmansia pteropus</i> (Baker) De Wild.	Grassland	Gomes 906	
	<i>Eminia benguellensis</i> Torre	Woodland	Goyder <i>et al.</i> 8682	
	<i>Entada abyssinica</i> Steud. ex A.Rich.	Grassland	Gomes visual record	
	<i>Entada gigas</i> (L.) Fawc. & Rendle	Forest	Gomes 932	
	<i>Erythrina abyssinica</i> Lam. ex DC.	Woodland, grassland	Goyder <i>et al.</i> 8607; Goyder <i>et al.</i> visual record 9	
	<i>Humularia welwitschii</i> (Taub.) P.A.Duvign. var. <i>gossweileri</i> (Baker f.) P.A.Duvign.	Grassland	Goyder <i>et al.</i> 8623; Maiato & Camôngua 1108	
	<i>Indigofera hofmanniana</i> Schinz	Grassland	Maiato & Camôngua 1103	
	<i>Isoberlinia angolensis</i> (Welw. ex Benth.) Hoyle & Brenan var. <i>lasiocalyx</i> Hoyle & Brenan	Woodland	Maiato & Camôngua 1111; Goyder <i>et al.</i> visual record 1; visual record 20	
	<i>Julbernardia globiflora</i> (Benth.) Troupin	Woodland	Gomes visual record	
	<i>Kotschyia strigosa</i> (Benth.) Dewit & P.A.Duvign.	Woodland	Goyder <i>et al.</i> 8672	
	<i>Kotschyia strobilantha</i> (Welw. ex Baker) Dewit & P.A.Duvign.	Woodland	Goyder <i>et al.</i> 8671; photographic record (Martins s.n.)	
	<i>Mucuna stans</i> Welw. ex Baker	Woodland	Goyder <i>et al.</i> 8663; photographic record (Martins s.n.)	
	<i>Pericopsis angolensis</i> (Baker) Meeuwen	Woodland	Goyder <i>et al.</i> 8677	
	<i>Pterocarpus angolensis</i> DC.	Woodland	Gomes visual record	
	<i>Tephrosia vogelii</i> Hook.f.	Grassland	Maiato & Camôngua 1109	
	<i>Tylosema fassoglense</i> (Kotschy ex Schweinf.) Torre & Hille.	Grassland, woodland	Gomes visual record	
<b>Linderniaceae</b>	<i>Crepidorhopalon schweinfurthii</i> (Oliv.) Eb.Fisch.	Grassland	Photographic record (CJHH-4229; Martins s.n.)	
	<i>Lindernia crassifolia</i> (Engl.) Eb.Fisch.	Grassland	Maiato & Camôngua 1127 (Figure 6g)	Cuanza-Sul
<b>Loganiaceae</b>	<i>Strychnos pungens</i> Soler.	Grassland, woodland	Gomes visual record	
<b>Loranthaceae</b>	<i>Globimetula anguliflora</i> (Engl.) Danser	Woodland	Photographic record (Martins s.n.)	Cuanza-Sul
<b>Malvaceae</b>	<i>Dombeya burgessiae</i> Gerrard ex Harv.	Forest	Gomes 892; Goyder <i>et al.</i> 8691	
	<i>Dombeya rotundifolia</i> (Hochst.) Planch.	Woodland	Goyder <i>et al.</i> 8678	
	<i>Grewia</i> sp.	Woodland	Maiato & Camôngua 1112	
	<i>Hibiscus rhodanthus</i> Gürke	Woodland, grassland	Goyder <i>et al.</i> 8604; Goyder <i>et al.</i> 8693	
	<i>Hibiscus</i> sp.	Grassland	Maiato & Camôngua 1137	
	<i>Triumfetta macrocoma</i> K.Schum.	Woodland	Goyder <i>et al.</i> 8615; Maiato & Camôngua 1113	Cuanza-Sul
	<i>Triumfetta welwitschii</i> Mast.	Grassland	Goyder <i>et al.</i> 8657	Cuanza-Sul
<b>Melastomataceae</b>	<i>Antherotoma naudinii</i> Hook.f.	Grassland	Photographic record (Martins s.n.)	
	<i>Dissotis carrissoi</i> A.Fern. & R.Fern.	Woodland	Goyder <i>et al.</i> 8602; Goyder <i>et al.</i> 8616	
	<i>Dissotis princeps</i> (Bonpl.) Triana	Grassland, woodland	Gomes visual record	
<b>Meliaceae</b>	<i>Ekebergia benguellensis</i> Welw. ex C.DC.	Woodland	Gomes visual record	

Family	Species	Habitat	Vouchers	New records
<b>Melanthaceae</b>	<i>Bersama abyssinica</i> Fresen. subsp. <i>abyssinica</i>	Forest	Goyder <i>et al.</i> 8692; Goyder <i>et al.</i> visual record 6	
<b>Mensipermeaceae</b>	<i>Stephania abyssinica</i> (Quart.-Dill. & A.Rich.) Walp.	Grassland	Maiato & Camôngua 1105	
	<i>Stephania cyanantha</i> Welw. ex Hiern	Forest	Gomes visual record	
<b>Moraceae</b>	<i>Ficus craterostoma</i> Warb. ex Mildbr. & Burret	Woodland	Goyder <i>et al.</i> 8683	
	<i>Ficus cyathistipula</i> Warb.	Forest	Gomes visual record	
	<i>Ficus sur</i> Forssk.	Woodland	Goyder <i>et al.</i> 8608; Goyder <i>et al.</i> 8630	
<b>Myrothamnaceae</b>	<i>Myrothamnus flabelliformis</i> Welw.	Grassland	Maiato & Camôngua 1099	
<b>Myrtaceae</b>	<i>Syzygium afromontanum</i> (F.White) Byng	Forest	Goyder <i>et al.</i> 8647; Goyder <i>et al.</i> visual record 3; visual record 11	
	<i>Syzygium cordatum</i> Hochst. ex Krauss	Woodland	Goyder <i>et al.</i> 8605; photographic record (Martins s.n.)	
<b>Ochnaceae</b>	<i>Ochna afzelii</i> R.Br. ex Oliv.	Woodland	Gomes visual record	
<b>Oleaceae</b>	<i>Schrebera alata</i> (Hochst.) Welw.	Woodland	Gomes visual record	
	<i>Schrebera trichoclada</i> Welw.	Woodland	Gomes visual record	
<b>Orobanchaceae</b>	<i>Alectra rigida</i> (Hiern) Hensl.	Wetland	Photographic record (Martins s.n.)	
	<i>Buchnera</i> sp.	Woodland	Goyder <i>et al.</i> 8610	
	<i>Micrargeria filiformis</i> (Schumach. & Thonn.) Hutch. & Dalziel	Wetland	Photographic record (Hines CJHH-4953)	
	<i>Sopubia aemula</i> S.Moore	Grassland	Photographic record (Martins s.n.)	
	<i>Sopubia lanata</i> Engl. var. <i>densiflora</i> (Skan) Hansen	Woodland	Goyder <i>et al.</i> 8706; photographic record (Martins s.n.)	Cuanza-Sul
<b>Passifloraceae</b>	<i>Adenia cissampeloides</i> Harms	Forest	Gomes visual record	
	<i>Adenia lobata</i> (Jacq.) Engl.	Forest	Gomes visual record	
<b>Pedaliaceae</b>	<i>Ceratotheca reniformis</i> Abels	Ruderal	Goyder <i>et al.</i> 8601; Maiato & Camôngua 1138a; photographic record (Martins s.n.)	
<b>Penaeaceae</b>	<i>Olinia huillensis</i> Welw. ex A.Fern. & R.Fern. subsp. <i>huillensis</i>	Forest	Gomes visual record	
<b>Peraceae</b>	<i>Clutia benguelensis</i> Müll.Arg.	Grassland	Maiato & Camôngua 1073	
<b>Phyllanthaceae</b>	<i>Bridelia micrantha</i> (Hochst.) Baill.	Woodland	Gomes 892; Goyder <i>et al.</i> 8664; Goyder <i>et al.</i> 8665; Goyder <i>et al.</i> 8705	
	<i>Hymenocardia acida</i> Tul	Woodland	Goyder <i>et al.</i> 8709	
	<i>Uapaca kirkiana</i> Müll. Arg. var. <i>benguelensis</i> (Müll. Arg.) Meerts	Woodland	Goyder <i>et al.</i> 8666; Goyder <i>et al.</i> visual record 23	
	<i>Uapaca nitida</i> Müll. Arg.	Woodland	Goyder <i>et al.</i> 8667; Goyder <i>et al.</i> visual record 24; photographic record (Martins s.n.)	
<b>Picodendraceae</b>	<i>Oldfieldia dactylophylla</i> (Welw. ex Oliv.) J.Léonard	Grassland	Gomes visual record	
<b>Pittosporaceae</b>	<i>Pittosporum viridiflorum</i> Sims	Forest	Goyder <i>et al.</i> 8648	
<b>Polygalaceae</b>	<i>Polygala albida</i> Schinz	Grassland	Gomes visual record	
	<i>Polygala gomesiana</i> Welw. ex Oliv.	Wetland	Photographic record (Hines CJHH-4996; Martins s.n.)	
	<i>Polygala petitiana</i> A.Rich.	Grassland	Photographic record (Martins s.n.)	



Family	Species	Habitat	Vouchers	New records
Primulaceae	<i>Maesa lanceolata</i> Forssk.	Woodland	Photographic record (Gomes DSCN0605)	
	<i>Myrsine africana</i> L.	Woodland	Goyder <i>et al.</i> 8668	
	<i>Rapanea melanophloeos</i> (L.) Mez	Forest	Gomes visual record	
Proteaceae	<i>Faurea discolor</i> Welw.	Grassland, forest	Goyder <i>et al.</i> 8632; Goyder <i>et al.</i> 8649	
	<i>Faurea rochetiana</i> (A.Rich.) Chiov. ex Pic.Serm.	Woodland	Goyder <i>et al.</i> 8614; photographic record (Martins s.n.)	
	<i>Faurea saligna</i> Harv.	Forest	Gomes visual record	
	<i>Protea angolensis</i> Welw. var. <i>angolensis</i>	Grassland	Photographic record (Martins s.n.)	
	<i>Protea micans</i> Welw. subsp. <i>trichophylla</i> (Engl. & Gilg) Chisumpa & Brummitt	Grassland	Gomes 905; Goyder <i>et al.</i> visual record 29; photographic record (Hines CJHH-8482)	
	<i>Protea poggei</i> Engl.	Grassland	Gomes visual record	
	<i>Protea welwitschii</i> Engl.	Grassland	Maiato & Camôngua 1110	
Ranunculaceae	<i>Clematis brachiata</i> Thunb.	Grassland	Gomes visual record	
	<i>Clematis chrysocarpa</i> Welw. ex Oliv.	Grassland	Photographic record (Martins s.n.)	
	<i>Clematis villosa</i> DC.	Grassland	Maiato & Camôngua 1141; photographic record (Martins s.n.)	
Rosaceae	<i>Rubus pinnatus</i> Willd.	Forest	Gomes visual record	
Rubiaceae	<i>Agathisanthemum globosum</i> (Hochst. ex A.Rich.) Klotzsch	Grassland	Maiato & Camôngua 1067	
	<i>Anthospermum welwitschii</i> Hiern	Woodland	Photographic record (Martins s.n.)	
	<i>Ancylanthos rubiginosus</i> Desf.	Grassland	Goyder <i>et al.</i> 8622	
	<i>Fadogia</i> cf. <i>lactiflora</i> Welw. ex Hiern	Grassland	Maiato & Camôngua 1078	
	<i>Fadogia punctulata</i> Robyns	Woodland	Goyder <i>et al.</i> 8618	
	<i>Gardenia imperialis</i> K.Schum.	Forest	Gomes visual record	
	<i>Gardenia ternifolia</i> Schumach. & Thonn. subsp. <i>jovis-tonantis</i> (Welw.) Verdc.	Grassland, woodland	Gomes visual record	
	<i>Hymenodictyon floribundum</i> (Hochst. & Steud.) B.L.Rob.	Woodland	Goyder <i>et al.</i> 8606; photographic record (Gomes DSCN0455)	
	<i>Keetia gueinzii</i> (Sond.) Bridson	Forest	Gomes visual record	
	<i>Leptactina benguellensis</i> (Welw. ex Benth. & Hook.f.) R.D.Good	Woodland	Goyder <i>et al.</i> 8673	
	<i>Mussaenda arcuata</i> Poir.	Grassland	Gomes visual record	
	<i>Mussaenda rivularis</i> Welw. ex Hiern var. <i>rivularis</i>	Woodland	Goyder <i>et al.</i> 8624; Maiato & Camôngua 1076	
	<i>Otiophora caerulea</i> (Hiern) Bullock	Grassland	Maiato & Camôngua 1097	
	<i>Otomeria elatior</i> (A.Rich. ex DC.) Verdc.	Grassland	Maiato & Camôngua 1094; photographic record (Martins s.n.)	
	<i>Pentanisia rubricaulis</i> (K.Schum.) Kårehad & B.Bremer [Syn. <i>Calanda rubricaulis</i> K.Schum.]	Grassland	Goyder <i>et al.</i> 8653; Maiato & Camôngua 1095; photographic record (Martins s.n.)	
	<i>Psychotria articulata</i> (Hiern) E.M.A.Petit	Forest	Goyder <i>et al.</i> 8635	
	<i>Psychotria hypsophila</i> K.Schum. & K.Krause	Forest	Goyder <i>et al.</i> 8634; Goyder <i>et al.</i> 8644; Maiato & Camôngua 1077	
<i>Psychotria ?succulenta</i> (Schweinf. ex Hiern) E.M.A.Petit	Forest	Goyder <i>et al.</i> 8685		

Family	Species	Habitat	Vouchers	New records
	<i>Psychotria welwitschii</i> (Hiern) E.M.A.Petit	Forest	Goyder <i>et al.</i> 8687	Cuanza-Sul
	<i>Psydrax subcordata</i> (DC.) Bridson	Forest	Gomes visual record	
	<i>Rothmannia engleriana</i> (K.Schum.) Keay var. <i>engleriana</i>	Woodland	Goyder <i>et al.</i> 8674	
	<i>Tarenna pallidula</i> Hiern	Forest	Goyder <i>et al.</i> 8686	Cuanza-Sul
<b>Santalaceae</b>	<i>Osyris lanceolata</i> Hochst. ex Steud.	Grassland	Goyder <i>et al.</i> 8702	
<b>Sapindaceae</b>	<i>Dodonaea viscosa</i> Jacq.	Grassland	Goyder <i>et al.</i> 8703	Cuanza-Sul
	<i>Pappea capensis</i> Eckl. & Zeyh.	Forest	Gomes 913	
<b>Sapotaceae</b>	<i>Englerophytum magalimontanum</i> (Sond.) T.D.Penn.	Forest	Gomes 885	
<b>Sladeniaceae</b>	<i>Ficalhoa laurifolia</i> Hiern	Forest	Gomes 931	
<b>Solanaceae</b>	<i>Solanum aculeatissimum</i> Jacq.	Forest	Goyder <i>et al.</i> 8636	
	<i>Solanum mauritianum</i> Scop.	Grassland	Gomes visual record	
<b>Stilbaceae</b>	<i>Nuxia congesta</i> R.Br. ex Fresen.	Forest	Goyder <i>et al.</i> 8646; Goyder <i>et al.</i> visual record 14	
<b>Thymelaeaceae</b>	<i>Gnidia chrysantha</i> Gilg	Grassland	Maiato & Camôngua 1136	
	<i>Gnidia kraussiana</i> Meisn. var. <i>mollissima</i> (E.A.Bruce) A.Robyns	Grassland	Goyder <i>et al.</i> 8695; Maiato & Camôngua 1093	
<b>Umbelliferae</b>	<i>Centella asiatica</i> (L.) Urb.	Grassland	Gomes visual record	
	<i>Diplophium zambesianum</i> Hiern	Woodland	Goyder <i>et al.</i> 8704	
	<i>Heteromorpha stenophylla</i> Welw. ex Schinz	Grassland	Maiato & Camôngua 1146a	
	<i>Physotrichia muriculata</i> (Welw. ex Hiern) S.Droop & C.C.Towns.	Grassland	Maiato & Camôngua 1072	
	<i>Pimpinella huillensis</i> Welw. ex Engl.	Woodland	Goyder <i>et al.</i> 8708	
	<i>Steganotaenia araliacea</i> Hochst.	Grassland, woodland	Gomes visual record	
<b>Urticaceae</b>	<i>Elatostema monticola</i> Hook.f.	Forest	Goyder <i>et al.</i> 8638	Angola
<b>Verbenaceae</b>	<i>Lippia abyssinica</i> (Otto & F.Dietr.) Cufod.	Grassland	Maiato & Camôngua 1100	
	<i>Lippia plicata</i> Baker	Woodland, grassland	Goyder <i>et al.</i> 8617; Maiato & Camôngua 1100A	
<b>Vitaceae</b>	<i>Cyphostemma</i> sp. 1	Grassland	Maiato & Camôngua 1101	
	<i>Cyphostemma</i> sp. 2	Grassland	Maiato & Camôngua 1102	
	<i>Rhoicissus tridentata</i> (L.f.) Wild & R.B.Drumm. subsp. <i>cuneifolia</i> (Eckl. & Zeyh.) Urton	Forest	Maiato & Camôngua 1074	