



## APPENDICES

## APPENDIX 1

### PLANT COMMUNITIES WITHIN SOUTHERN AFRICAN MOPANEVELD

This list is the first attempt to list all described plant communities within the southern African Mopaneveld. It should however be noted that the list is not completely fixed yet and should be regarded as a preliminary list. Only terrestrial communities are included.

#### South Africa

The Mopaneveld of South Africa is, when compared to other countries, relatively well sampled and described. It is however easier to get access to studies in South Africa where the study is centered from. Therefore the possible existence of more vegetation studies in Mopaneveld other than South Africa is not denied.

**Study area:** Southern Mopaneveld in the Kruger National Park, South Africa

**Author:** W.P.D. Gertenbach

**Year of study:** 1987

**Study type:** D.Sc. thesis, Botany Department, University of Pretoria

**Reference** No publications

#### Communities:

1 *Euclea divinorum* alliance

1.1 *Euclea divinorum* – *Acacia welwitschii* association

1.1.1 *Acacia welwitschii* – *Senecio longiflorus* moderate tree savanna

1.1.2 *Acacia welwitschii* – *Urochloa mosambicensis* moderate tree savanna

1.2 *Euclea divinorum* – *Albizia harveyi* association

1.2.1 *Albizia harveyi* – *Pappea capensis* open shrub savanna

1.2.2 *Albizia harveyi* – *Colophospermum mopane* dense tree savanna

a) *Combretum hereroense* variant

b) *Acacia tortilis* variant

2 *Cenchrus ciliaris* alliance

2.1 *Cenchrus ciliaris* – *Colophospermum mopane* association

- 2.1.1 *Colophospermum mopane* – *Neuracanthus africanus* moderate shrubsavanna
- 2.1.2 *Colophospermum mopane* – *Combretum apiculatum* dense bush savanna
- 2.2 *Cenchrus ciliaris* – *Acacia nigrescens* association
  - 2.2.1 *Acacia nigrescens* – *Combretum apiculatum* moderate bush savanna
    - a) *Cerathotheca triloba* variant
    - b) *Terminalia prunioides* variant
  - 2.2.2 *Acacia nigrescens* – *Acacia tortilis* open shrub savanna
  - 2.2.3 *Acacia nigrescens* – *Sclerocarya birrea* moderate tree savanna
- 3 *Combretum apiculatum* alliance
  - 3.1 *Combretum apiculatum* – *Colophospermum mopane* association
    - 3.1.1 *Colophospermum mopane* – *Pogonarthria squarrosa* dense bush savanna
    - 3.1.2 *Colophospermum mopane* – *Tricholaena monachne* moderate tree savanna
    - 3.1.3 *Colophospermum mopane* – *Acacia gerrardii* dense bush savanna
    - 3.1.4 *Colophospermum mopane* – *Terminalia prunioides* moderate tree savanna
  - 3.2 *Combretum apiculatum* – *Terminalia sericea* association
    - 3.2.1 *Terminalia sericea* – *Combretum zeyheri* dense bush savanna
      - a) *Strychnos madagascariensis* variant
      - b) *Sclerocarya birrea* variant
    - 3.2.2 *Terminalia sericea* – *Eragrostis gummiflua* moderate tree savanna
    - 3.2.3 *Terminalia sericea* – *Brachiaria nigropedata* moderate tree savanna
  - 3.3 *Combretum apiculatum* – *Acacia nigrescens* association
    - 3.3.1 *Acacia nigrescens* – *Commiphora mollis* dense tree savanna
    - 3.3.2 *Acacia nigrescens* – *Grewia bicolor* moderate bush savanna
    - 3.3.3 *Acacia nigrescens* – *Themeda triandra* moderate tree savanna
- 4 Gabbro complex
  - 4.1 *Acacia nigrescens* – *Chloris virgata* open shrub savanna
    - a) *Sporobolus nitens* variant
    - b) *Schmidtia pappophoroides* variant
  - 4.2 *Acacia nigrescens* – *Colophospermum mopane* dense shrub savanna
    - a) *Sclerocarya birrea* variant
    - b) *Acacia nigrescens* variant
  - 4.3 *Acacia nigrescens* – *Sclerocarya birrea* moderate tree savanna



- a) *Acacia tortilis* variant
- b) *Heteropogon contortus* variant
- c) *Bothriochloa radicans* variant

- 5 River- and creek vegetation
- 6 Vegetation of rocky outcrops
- 7 Vegetation of floodplains

**Study area:** Punda Milia-Pafuri-Wambya, Kruger National Park, South Africa

**Author:** N. van Rooyen

**Year of study:** 1978

**Study type:** M.Sc. dissertation, Botany Department, University of Pretoria

- Reference**
- 1. *Journal of South African Botany* (1981) 47(2): 213–246
  - 2. *Journal of South African Botany* (1981) 47(3): 405–449
  - 3. *Journal of South African Botany* (1981) 47(4): 585–626

### Communities

#### ***Higrophilous communities*** (publication 1)

- 1 *Lonchocarpus capassa* – *Panicum meyerianum* tree savanna
  - 1.1 *Acacia borleae* – *Ischaemum afrum* shrub thicket
  - 1.2 *Combretum imberbe* – *Fuirena pubescens* open tree savanna
  - 1.3 *Acacia albida* – *Ficus sycomorus* riverine forest
  - 1.4 *Acacia xanthophloea* – *Panicum meyerianum* open tree savanna
- 2 Pan communities

#### ***Sandveld communities*** (publication 2)

- 1 *Terminalia sericea* – *Pteleopsis myrtifolia* tree savanna
  - 1.1 *Burkea africana* – *Pseudolachnostylis maprouneifolia* tree savanna
  - 1.2 *Baphia massaiensis* – *Guibourtia conjugata* thicket
  - 1.3 *Xeroderris stuhlmannii* – *Combretum apiculatum* tree savanna
  - 1.4 *Terminalia sericea* – *Pogonarthria squarrosa* tree savanna
- 2 *Croton gratissimus* – *Phyllanthus reticulatus* tree savanna
  - 2.1 *Kirkia acuminata* – *Azelia quanzensis* – *Combretum apiculatum* tree savanna
  - 2.2 *Androstachys johnsonii* – *Croton pseudopulchellus* dry forest
- 3 Rocky Outcrop community

#### 4 Diabase community

##### *Colophospermum mopane* communities (publication 3)

###### 1 *Colophospermum mopane* - *Euclea divinorum* tree savanna

###### 1.1 *Colophospermum mopane* – *Acacia tortilis* – *Urochloa mosambicensis* tree savanna

###### 1.2 *Colophospermum mopane* – *Euclea divinorum* – *Enteropogon macrostachyus* tall tree savanna

###### 1.3 *Colophospermum mopane* – *Commiphora glandulosa* – *Seddera capensis* open tree savanna

###### 2 *Colophospermum mopane* – *Dalbergia melanoxylon* – *Heteropogon contortus* shrub savanna

###### 2.1 *Colophospermum mopane* – *Enneapogon scoparius* shrub savanna

###### 2.2 *Colophospermum mopane* – *Themeda triandra* shrub savanna

###### 3 *Colophospermum mopane* – *Combretum apiculatum* – *Digitaria eriantha* open tree savanna

**Study area:** Kruger National Park, South Africa

**Author:** W.P.D. Gertenbach

**Year of study:** 1983

**Study type:** Research project

**Reference** *Koedoe* 26: 9–121

**Special note:** The communities listed below are landscapes of the Kruger National Park, rather than plant communities. Although a landscape comprises several plant communities, they are listed below for possible future reference. All landscapes in which *Colophospermum mopane* occurs are listed below.

##### **Communities:**

1 *Combretum* spp. / *Colophospermum mopane* woodland of the Timbavati area (landscape no. 6)

2 Olifants River rugged veld (landscape no. 7)

3 Phalaborwa sandveld (landscape no. 8)

4 *Colophospermum mopane* savanna on basic soils (landscape no. 9)

5 Letaba River rugged veld (landscape no. 10)

6 Tsende sandveld (landscape no. 11)

7 *Colophospermum mopane* / *Acacia nigrescens* savanna (landscape no. 12)



- 8 *Colophospermum mopane* forest (landscape no. 15)
- 9 Thornveld on gabbro (landscape no. 19)
- 10 *Combretum* spp. / *Colophospermum mopane* rugged veld (landscape no. 22)
- 11 *Colophospermum mopane* shrubveld on basalt (landscape no. 23)
- 12 *Colophospermum mopane* shrubveld on gabbro (landscape no 24)
- 13 *Adansonia digitata* / *Colophospermum mopane* rugged veld (landscape no. 25)
- 14 *Colophospermum mopane* shrubveld on calcrete (landscape no. 26)
- 15 Mixed *Combretum* spp. / *Colophospermum mopane* woodland (landscape no. 27)
- 16 Limpopo / Levubu floodplains (landscape no. 28)
- 17 *Pterocarpus rotundifolius* / *Combretum collinum* woodland  
(landscape no. 33)
- 18 Punda Maria sandveld on Waterberg Sandtone (landscape no. 34)
- 19 *Salvadora angustifolia* floodplains (landscape no. 35)

**Study area:** Letaba Ranch, Northern Province, South Africa

**Author:** H.B. Swart

**Year of study:** 1995

**Study type:** M.Sc. dissertation, Centre for Wildlife Management, University of Pretoria

**Reference** No publications

### **Communities**

- 1 *Colophospermum mopane* – *Combretum apiculatum* dense bush savanna
  - 1.1 *Dalbergia melanoxylon* – *Eragrostis curvula* sub-community
    - 1.1.1 *Aristida bipartita* – *Fingerhuthia africana* variant
    - 1.1.2 *Grewia flavescens* – *Grewia monticola* variant
    - 1.1.3 *Albizia harveyi* – *Maerua parvifolia* variant
    - 1.1.4 *Ximenia americana* – *Cyperus rupestris* variant
    - 1.1.5 *Lannea schweinfurthii* – *Dicoma tomentosa* variant
  - 1.2 *Microchloa caffra* – *Kyphocarpa angustifolia* sub-community
- 2 *Panicum maximum* – *Dactyloctenium giganteum* river thicket
  - 2.1 *Croton megalobotrys* – *Nuxia oppositifolia* sub-community
  - 2.2 *Acacia tortilis* – *Eragrostis lehmanniana* sub-community
- 3 *Eragrostis rigidior* – *Tricholaena monachne* open grassland

**Study area:** Foskor mine, Northern Province, South Africa  
**Author:** N.G. Beck  
**Year of study:** 1998  
**Study type:** B.Sc.(Hons.) dissertation, Centre for Wildlife Management, University of Pretoria  
**Reference** No publications

**Communities**

***Rhoda***

1. *Colophospermum mopane* – *Combretum apiculatum* low closed woodland community
- 1.1 *Colophospermum mopane* – *Eragrostis rigidior* low open woodland sub-community
- 1.2 *Colophospermum mopane* – *Burkea africana* high closed woodland sub-community
- 2 *Grewia bicolor* – *Colophospermum mopane* tall closed shrubland community
- 3 *Croton megalobotrys* – *Cassia abbreviata* short closed woodland community

***Shiela/Loole***

- 1 *Combretum apiculatum* – *Barleria pretoriensis* tall closed shrubland community
- 2 *Colophospermum mopane* – *Combretum apiculatum* low closed woodland community
- 2.1 *Colophospermum mopane* – *Cleome angustifolia* low open woodland sub-community
- 2.2 *Colophospermum mopane* – *Boscia albitrunca* low closed woodland sub-community
- 2.3 *Colophospermum mopane* *Euclea divinorum* tall open shrubland sub-community
- 3 *Croton megalobotrys* – *Lonchocarpus capassa* tall closed woodland community

***Cleveland***

- 1 *Croton megalobotrys* – *Lonchocarpus capassa* short closed woodland community
- 2 *Combretum hereroense* – *Themeda triandra* high open shrubland community
- 3 *Colophospermum mopane* – *Sansevieria hyacinthoides* low closed woodland community
- 4 *Combretum apiculatum* – *Grewia monticola* tall closed shrubland community

**Study area:** Pylkop Nature Reserve, Northern Province, South Africa  
**Authors:** G. Parker & L. Kelly  
**Year of study:** 1996  
**Study type:** B.Sc.(Hons.) dissertation, Centre for Wildlife Management, University of Pretoria  
**Reference** No publications



## Communities

- 1 *Croton gratissimus* – *Euphorbia cooperi* open rocky hill
- 2 *Terminalia sericea* – *Digitaria eriantha* short closed woodland
  - 2.1 *Terminalia sericea* – *Elephantorrhiza elephantina* short closed woodland
  - 2.2 *Terminalia sericea* – *Balanites maughamii* short closed woodland
  - 2.3 *Terminalia sericea* – *Sclerocarya birrea* short closed woodland
  - 2.4 *Digitaria eriantha* – *Colophospermum mopane* short closed woodland
- 3 *Thesium utile* – *Dichrostchys cinerea* low closed woodland
- 4 *Colophospermum mopane* – *Combretum apiculatum* low closed woodland
  - 4.1 *Colophospermum mopane* – *Aristida congesta* low closed woodland
  - 4.2 *Colophospermum mopane* – *Dicoma anomala* low closed woodland
  - 4.3 *Colophospermum mopane* – *Terminalia prunioides* low closed woodland
- 5 *Albizia brevifolia* – *Combretum apiculatum* short closed woodland
- 6 *Enneapogon scoparius* – *Enneapogon cenchroides* low closed woodland
- 7 *Brachiaria eruciformis* – *Acacia mellifera* low closed woodland

**Study area:** Messina Experimental Farm, Northern Province, South Africa

**Author:** B. Dekker

**Year of study:** 1996

**Study type:** M.Sc. dissertation, Centre for Wildlife Management, University of Pretoria

**Reference** *South African Journal of Botany* (1995) 61(3): 158–167

## Communities

- 1 *Hyphaene coriacea* – *Eragrostis rotifer* short sparse woodland
- 2 *Monechma divaricatum* – *Colophospermum mopane* low forest
- 3 *Commiphora pyracanthoides* – *Aristida congesta* low open woodland
- 4 *Mariscus rehmannianus* – *Colophospermum mopane* low closed woodland
- 5 *Kirkia acuminata* – *Enneapogon cenchroides* short closed woodland
- 6 *Blepharis diversispina* – *Combretum apiculatum* low closed woodland
  - 6.1 *Tinnea rhodesiana* variant
  - 6.2 *Abutilon austro-africanum* variant
- 7 *Tricholaena monachne* – *Commiphora tenuipetiolata* low thicket
- 8 *Ficus tettensis* – *Aristida meridionalis* tall closed woodland



**Study area:** Honnet Nature Reserve, Tshipise, Northern Province, South Africa  
**Author:** N. Visser  
**Year of study:** 1995  
**Study type:** B.Sc.(Hons) dissertation, Centre for Wildlife Management, University of Pretoria  
**Reference** Koedoe (1996) 39(1): 25-42

### Communities

- 1 *Sclerocarya birrea* – *Panicum coloratum* high closed woodland
- 2 *Colophospermum mopane* – *Terminalia prunioides* high open woodland
- 2.1 *Colophospermum mopane* – *Canthium gilfillanii* high open woodland
- 2.2 *Colophospermum mopane* – *Grewia villosa* low closed woodland
- 3 *Sesamothamnus lugardii* – *Catophractes alexandri* low open woodland
- 4 *Boscia foetida* – *Canthium gilfillanii* low sparse shrubland
- 5 *Acacia nilotica* – *Terminalia prunioides* low open woodland
- 6 *Acacia senegal* – *Ehretia amoena* low open woodland
- 7 *Commiphora glandulosa* – *Gardenia resinifolia* low closed woodland
- 8 *Grewia hexamita* – *Melinis repens* low open woodland
- 8.1 *Grewia hexamita* – *Commelina africana* low open woodland
- 8.2 *Grewia hexamita* – *Croton gratissimus* low open woodland
- 9 *Commiphora mollis* – *Digitaria eriantha* low open woodland
- 10 *Acacia tortilis* – *Indigofera melanadenia* low open woodland
- 11 *Heliotropium ciliatum* – *Tribulus terrestris* open forbland
- 12 *Acacia borleae* – *Cyathula lanceolata* low closed woodland

**Study area:** Mopaneveld north of the Soutpansberg, Northern Province, South Africa  
**Author:** A.J. Louw  
**Year of study:** 1970  
**Study type:** D.Sc. thesis, Department of Forage Science, University of Pretoria  
**Reference** No publications  
**Special note:** A non-quantitative study contributed to the identification of the communities listed below. Only the woody component were considered.

## Communities

- 1 *Colophospermum* – *Combretum* – *Commiphora* community
- 2 *Colophospermum* – *Boscia rehmanniana* community
- 3 *Colophospermum* – *Commiphora* – *Terminalia prunioides* community
- 4 *Commiphora* – *Terminalia* – *Colophospermum* community
- 5 *Acacia* – *Salvadora* – *Boscia rehmanniana* community
- 6 *Colophospermum* – *Grewia flava* – *Terminalia sericea* community
- 7 *Commiphora* – *Terminalia prunioides* community
- 8 Semi-hygrophilous community along rivers and streams
- 9 Communities at the foot hills of granitic boulders and in ravines

**Study area:** Timbavati Private Nature Reserve

**Author:** R.N. Porter

**Year of study:** 1970

**Study type:** Research report

**Reference** No publications

**Special note:** A non-quantitative study contributed to the identification of the communities listed below. Physionomy was used to classify communities

## Communities

- 1 *Combretum apiculatum* / *Sclerocarya caffra* / *Acacia nigrescens* savanna woodland
- 2 *Combretum zeyheri* / *Pterocarpus angolensis* / *Terminalia sericea* savanna woodland
- 3 *Acacia nigrescens* open woodland
- 4 *Colophospermum mopane* savanna woodland
- 5 Riparian forest and hydrophilous communities
- 6 Ecotonal vegetation types
  - 6.1 *Combretum zeyheri* / *Combretum apiculatum* / *Sclerocarya caffra* / *Acacia nigrescens* savanna woodland
  - 6.2 *Acacia nigrescens* / *Combretum zeyheri* / *Colophospermum mopane* savanna woodland
  - 6.3 *Colophospermum mopane* / *Sclerocarya caffra* / *Combretum apiculatum* savanna woodland
- 7 Terrestrial plant associations
- 8 *Themeda triandra* grassland

## Botswana

Vegetation classification studies in Botswana are very scarce. Records of vegetation classification are mainly found in vegetation maps (Appendix 2). The study of Bonyongo (1999) includes vegetation classification, but only of the seasonal floodplains in the Okavango Delta, Botswana. Biggs (1979) studied the ecology of Chief's Island in the Okavango Delta. Only a very small percentage of Mopaneveld vegetation is covered by drylands in the Okavango delta. Communities are listed below.

<b>Study area:</b>	Chief's Island, Okavango Delta, Botswana
<b>Author:</b>	R.C. Biggs
<b>Year of study:</b>	1979
<b>Study type:</b>	M.Sc. dissertation, Wildlife Management, University of Pretoria
<b>Reference</b>	No publications known of
<b>Special note:</b>	Only a small patch of Mopaneveld covers the study area. Only marginal and dryland vegetation types also listed

### Communities

#### *MARGINAL VEGETATION TYPES*

- 1 *Acacia nigrescens* – *Croton megalobotrys* woodland and savanna woodland
- 2 *Hyphaene ventricosa* – *Croton megalobotrys* palm woodland and palm savanna woodland
- 3 *Combretum imberbe* – *Croton megalobotrys* woodland and savanna woodland

#### *DRYLAND VEGETATION TYPES*

- 1 *Acacia tortilis* savanna woodland
- 2 *Acacia erioloba* woodland and savanna woodland
- 3 *Terminalia sericea* – *Combretum collinum* savanna woodland and scrub
- 4 *Colophospermum mopane* woodland and pyrophytic scrub savanna
- 5 *Grewia* spp. – *Croton megalobotrys* scrub savanna

## Zimbabwe

Vegetation classification in Zimbabwe is more developed than in other countries hosting Mopaneveld. The studies are however mostly vegetation descriptions based on the woody species. These studies were not included for a phytosociological synthesis since they do not follow the criteria stated in Chapter 4. Communities described during these studies are however listed below.

<b>Study area:</b>	Hwange National Park, Zimbabwe
<b>Author:</b>	C.M.L. Rogers
<b>Year of study:</b>	1993
<b>Study type:</b>	A report prepared for the Department of National Parks and Wild Life Management, Zimbabwe
<b>Reference</b>	Published report
<b>Special note:</b>	Identification of plant communities (listed below) is based only on the woody component. Braun-Blanquet procedures were followed.

### Communities

#### *NON-KALAHARI SAND VEGETATION TYPES*

##### *Woodland thicket types on Lower to Upper Karoo sediments*

- 1 *Combretum* – *Boscia angustifolia* open scrub and thicket on Lower Karoo sandstone
- 2 *Colophospermum mopane* – *Acacia woodland* adjacent to riverine vegetation
- 3 *Colophospermum mopane* – *Commiphora marlothii* mixed woodland on scree slopes

##### *Mixed bushland, thicket and woodland on Basement Complex formations*

- 4 Castle kopje mixed woodland and thicket
- 5 *Colophospermum mopane* – *Julbernardia* – *Combretum* wooded bushland
- 6 *Combretum* – *Baphia* thicket

##### *Colophospermum mopane woodland and thicket on granitic gneiss and Madumabisa mudstones*

- 7 *Colophospermum mopane* – *Combretum* woodland on Basement complex
- 8 *Colophospermum mopane* – *Terminalia pruniodes* woodland on Madumabisa mudstones
- 9 *Colophospermum mopane* – *Combretum elaeagnoides* thicket on Basement complex

**Colophospermum mopane – Combretum imberbe woodland to bushed grassland in seasonally inundated areas**

- 10 Riverine vegetation with *Diospyros mespiliformis* and *Combretum mossambicense*
- 11 *Colophospermum mopane* – *Acacia* – *Combretum* grassland to woodland in seasonally inundated areas

**Colophospermum mopane bushed grassland to woodland on the watershed, on Basalt and Karoo formations**

- 12 *Colophospermum mopane* – *Combretum hereroense* bushed grassland to bushland on the watershed
- 13 *Colophospermum mopane* – *Combretum* bushland on basalt
- 14 *Colophospermum mopane* bushland on basalt
- 15 *Colophospermum mopane* – *Vepris zambesiaca* woodland on Madumabisa mudstones
- 16 *Colophospermum mopane* – *Acacia* – *Grewia bicolor* stunted woodland in the Dzivanini area

***KALAHARI SAND VEGETATION TYPES***

**Combretum imberbe bushed grassland of periodically waterlogged soils**

- 17 *Colophospermum mopane* woodland – *Combretum* bushed grassland mosaic on ecotone Kalahari sands
- 18 *Acacia* – *Boscia albitrunca* – *Colophospermum mopane* bushed grassland in interdune troughs
- 19 *Combretum hereroense* – *Hyphaene* bushed grassland on calcrete

**Acacia – Baikiaea bushland and woodland on Kalahari sands**

- 20 *Acacia* – *Mundulea sericea* bushland
- 21 *Terminalia sericea* – *Lonchocarpus nelsii* bushland
- 22 *Colophospermum mopane* – *Combretum apiculatum* bushland
- 23 *Baiea* – *Combretum* woodland thicket on fossil sand dune crests

**Terminalia – Combretum bushland**

- 24 *Terminalia sericea* – *Acacia erioloba* bushland
- 25 *Terminalia sericea* – *Baikiaea plurijuga* bushland

**Baikiaea plurijuga woodland and bushland on deep Kalahari sands**

- 26 *Burkea africana* – *Pterocarpus angolensis* bushland and woodland
- 27 *Baikiaea plurijuga* – *Guibourtia coleosperma* woodland

28 *Baikiaea plurijuga* – *Croton gratissimus* woodland

***Ecotone Baikiaea plurijuga woodland and thicket on red Kalahari sands***

29 Ecotone *Baikiaea plurijuga* – *Commiphora mossambicensis* woodland and thicket

***Burkea africana* bushland surrounding calcrete areas**

30 *Burkea africana* – *Terminalia brachystemma* bushland

**Study area:** Upper Save catchment, Zimbabwe

**Author:** B.M. Campbell & R.F. du Toit

**Year of study:** 1994

**Study type:** Research project

**Reference** *Kirkia* (1994) 15(1): 10–32

**Special note:** Identification of plant communities (listed below) is based only on the woody component. Braun-Blanquet procedures were followed.

### **Communities**

- 1 *Brachystegia glaucescens* community
- 2 *Kirkia acuminata* community
- 3 *Combretum apiculatum* – *Acacia nigrescens* community
- 4 *Colophospermum mopane* community
- 5 *Julbernardia globiflora* community
  - 5.1 *Terminalia stenostachya* – *Commiphora mollis* sub-community
  - 5.2 *Brachystegia boehmii* sub-community
  - 5.3 *Julbernardia globiflora* sub-community
- 6 Riverine community
- 7 *Acacia nilotica* – *Combretum adenogonium*
  - 7.1 *Bridelia cathartica* sub-community
  - 7.2 *Acacia nilotica* sub-community
- 8 *Terminalia sericea* – *Dalbergiella nyasae* community
- 9 *Bauhinia thonningii* – *Sclerocarya birrea* community

**Study area:** Nyahungwe area on the Lundi River, Gonarezhou National Park, Zimbabwe

**Author:** T.G. O'Connor & B.M. Campbell

**Year of study:** 1986

**Study type:** Research project

**Reference** *S. Afr. J. Bot.* (1986) 52(2): 117–123

**Special note:** Identification of plant communities (listed below) is based only on the woody component.

#### **Communities**

- 1 Mixed shrub woodland
- 2 *Colophospermum mopane* and mixed shrub woodland
- 3 *Colophospermum mopane* – *Markhamia acuminata* woodland
- 4 *Colophospermum mopane* – *Spirostachys africana* woodland
- 5 *Colophospermum mopane* woodland
- 6 Open riverine woodland
- 7 *Guibourtia conjugata* woodland
- 8 Riverine woodland
- 9 Riverine shrub woodland
- 10 Dune grassland

**Study area:** Communal lands – North and West Zimbabwe

**Author:** J.R. Timberlake, N. Nobanda & I. Mapaure

**Year of study:** 1993

**Study type:** Research project

**Reference** *Kirkia* (1993) 14(2): 171–270

**Special note:** Identification of plant communities (listed below) is based only on the woody component. Braun-Blanquet procedures were followed.

#### **Communities**

##### ***RIPARIAN FORESTS AND ALLUVIAL WOODLANDS***

- 1 Dense woodland on alluvium/colluvium
- 2 Mixed riparian woodland



3 *Faidherbia* riparian woodland

4 *Syzygium* riverine woodland

**DRY FORESTS AND THICKETS**

1 *Terminalia brachystemma* bushed woodland

2 *Xylia* dry forest

3 *Combretum* woodland thicket on colluvium & sandstone

4 *Guibourtia conjugata* wooded thicket

5 *Baikiaea* woodland thicket on Kalahari sand

6 *Baikiaea* woodland on Kalahari sand

7 *Baikiaea* – *Acacia* bushed woodland on Kalahari dunes

**MIOMBO WOODLAND**

1 *Brachystegia spiciformis* – *Baikiaea* woodland on Kalahari sand

2 *Brachystegia spiciformis* – *B. boehmii* woodland on sand

3 *Brachystegia boehmii* – *Julbernardia* – *Pterocarpus angolensis* open woodland on sandstone plateaux

4 *Brachystegia boehmii* – *Julbernardia* woodland on shallow soils

5 *Brachystegia* – *Julbernardia* woodland on granite

6 *Brachystegia glaucescens* woodland on hills

7 *Brachystegia allenii* woodland

8 Mixed woodland on Zambezi escarpment

**MIOMBO-MOPANE WOODLANDS**

1 *Brachystegia boehmii* – *Colophospermum* woodland catena

2 *Julbernardia Colophospermum* woodland catena

3 *Combretum* – *Colophospermum* open woodland mosaic

4 *Colophospermum* – *Diospyros kirkii* open woodland on shallow soils

5 *Colophospermum* – *Brachystegia allenii* woodland mosaic

**MOPANE WOODLANDS**

1 *Colophospermum* woodland on skeletal soils

2 *Colophospermum* – *Terminalia stuhlmannii* woodland

3 *Colophospermum* woodland (single dominance)

**COMBRETACEAE OPEN WOODLANDS**

1 *Combretum collinum* open woodland on sand





2 Mixed dry woodland mosaic on granite

**ACACIA OPEN WOODLANDS**

1 *Acacia* open woodland on goldbelt soils

**GRASSLANDS**

- 1 *Parinari* wooded grassland
- 2 *Cynodon – Eragrostis* grassland on sand
- 3 *Cynodon – Sporobolus* grassland in granite vleis
- 4 *Panicum repens* lakeshore grassland
- 5 *Andropogon* grassland on serpentine
- 6 Grassland on basalt soils
- 7 *Setaria* grassland on clay

**Study area:** Eastern Mid-Zambezi Valley, Zimbabwe

**Author:** J.R. Timberlake & I. Mapaure

**Year of study:** 1992

**Study type:** Research project

**Reference** *Transactions of the Zimbabwe Scientific Association* (1992) 66: 1–14

**Special note:** Identification of plant communities (listed below) is based only on the woody component. Braun-Blanquet procedures were followed.

**Communities**

- 1 *Xylia torreana* dry forest and thicket
- 2 Dense woodland to woodland thicket on old alluvium
- 3 *Terminalia brachystemma* bushed woodland
- 4 Woodland or bushland fallows on alluvium/colluvium
- 5 Alluvial floodplains and riverine woodland
- 6 Mopane woodland on deeper soils
- 7 Mopane – *Terminalia stuhlmannii* woodland
- 8 Mopane – *Combretum apiculatum* woodland on shallow soils
- 9 Mopane – *Combretum apiculatum* – *Julbernardia* woodland
- 10 *Brachystegia allenii* – mopane woodland on colluvium
- 11 Escarpment woodlands
- 12 *Brachystegia allenii* – *B. boehmii* woodland on gneiss



**Study area:** Sango Ranch, Save Vallye, Zimbabwe  
**Author:** C.J. Hin  
**Year of study:** 1999  
**Study type:** M.Sc. dissertation (completed 2000)  
**Reference** No publications

### Communities

- 1 *Acacia tortilis* subsp. *heteracantha* – *Urochloa mosambicensis* closed woodland
- 1.1 *Tephrosia purpurea* subsp. *leptostachya* – *Urochloa mosambicensis* short closed woodland
- 1.2 *Dichrostachys cinerea* subsp. *africana* – *Urochloa mosambicensis* short closed woodland
- 1.3 *Capparis tomentosa* – *Urochloa mosambicensis* tall closed woodland
- 1.4 *Sporobolus nitens* – *Urochloa mosambicensis* short closed woodland
- 2 *Colophospermum mopane* – *Brachiaria deflexa* short thicket // short closed woodland
- 2.1 *Commiphora edulis* – *Colophospermum mopane* short thicket
- 2.2 *Indigofera praticola* – *Colophospermum mopane* short closed woodland
- 2.3 *Thilachium africanum* – *Colophospermum mopane* short thicket
- 2.4 *Ruellia patula* – *Colophospermum mopane* tall closed woodland
- 3 *Combretum apiculatum* subsp. *apiculatum* – *Colophospermum mopane* short closed woodland
- 4 *Combretum apiculatum* subsp. *apiculatum* – *Digitaria milanjana* tall closed woodland
- 4.1 *Dalbergia melanoxylon* – *Combretum apiculatum* subsp. *apiculatum* short closed woodland
- 4.2 *Commiphora africana* – *Digitaria milanjana* tall closed woodland
- 4.3 *Kirkia acuminata* – *Panicum maximum* tall closed woodland
- 5 *Millettia usumarensis* subsp. *australis* – *Brachiaria deflexa* short koppie thicket
- 6 *Acacia tortilis* subsp. *heteracantha* – *Panicum maximum* tall closed woodland
- 7 *Dalbergia arbutifolia* – *Diospyros mespiliformes* high riverine forest
- 7.1 *Strychnos potatorum* – *Panicum maximum* high closed woodland // short thicket
- 7.2 *Albizia glaberrima* var. *glabrescens* – *Panicum maximum* high forest
- 7.3 *Faidherbia albida* – *Eriochloa meyeriana* tall closed woodland sub-community
- 8 *Phragmites mauritianus* tall closed reedbeds
- 9 *Echinochloa colona* – *Cyperus digitatus* subsp. *auricomus* tall open wetland

9.1 *Paspalidium obtusifolium* – *Echinochloa colona* tall closed woodland

9.2 *Acacia xanthophloea* – *Echinochloa colona* tall closed woodland

## **Zambia**

Little vegetation classification studies exist in the Zambian Mopaneveld. The existence of vegetation classification studies are however not denied, but if they were undertaken, they are not easy accessible. Fanshawe (1969) however gave a description of the vegetation of Zambia. It is published in the Forest Research Bulletin (No. 7) in 1969. *Colophospermum mopane* dominates the woodland vegetation type in Zambia. The description of the types are however too broad to include for the purpose of this study.

## **Malawi**

Malawi contains only a small percentage of Mopaneveld vegetation types. Some of these Mopaneveld vegetation types are covered in vegetation classification attempts.

<b>Study area:</b>	Liwonde National Park, Malawi
<b>Author:</b>	C.O. Dudley
<b>Year of study:</b>	1994
<b>Study type:</b>	The flora of Liwonde National Park
<b>Reference</b>	In: Seyani, J.H. & A.C. Chikuni (eds). Proceedings of the XIIIth plenary meeting of Aetfat, Malawi. Zomba, Malawi. Pp 1485–1509

## **Communities**

### ***MOPANE WOODLAND COMPLEX***

Mopane woodland

Open mopane woodland

Mopane clump savanna

Mopane woodland/thickets

### ***MIXED WOODLANDS***

***TALL GRASS TREE SAVANNA***

***RIVERINE SEMI-DECIDUOUS FOREST/THICKET***

## *DROUGHT DECIDUOUS FOREST/THICKET*

### **Mozambique**

No vegetation classification study could be found in the Mopaneveld of Mozambique, emphasizing the need for detail vegetation classification for this area. The existence of vegetation studies are however not denied.

### **Angola**

Angola hosts the highest cover of Mopaneveld vegetation. Due to political instability in the country, vegetation classification studies are limited. Vegetation classification for a vegetation map contributed to vegetation knowledge in Angola. These types are listed under Appendix 2.

### **Namibia**

The vegetation of Namibian Mopaneveld is well sampled in relation to other countries hosting this extensive veld type. Many of the vegetation studies were prepared for agricultural purposes and were compiled in reports rather than publications. They however contribute to the vegetation knowledge of Namibian Mopaneveld and are listed below.

<b>Study area:</b>	Kaokoland, Northern Damaraland, Owambo, Etosha and north-western South West
<b>Author:</b>	R.I. de S. Correia
<b>Year of study:</b>	1976
<b>Study type:</b>	Unpublished report
<b>Reference</b>	No publication
<b>Special note:</b>	Seventeen main vegetation types are identified and described by the author. Unknown method of classification. All 17 are listed below.

### **Communities**

#### ***KALAHARI TYPE VEGETATION***

1 Tree/shrub savanna of *Terminalia sericea* and *Acacia giraffae*



- 2 Tree/shrub savanna of *Baikaea plurijuga*
- 3 *Baikaea plurijuga* / *Colophospermum mopane* savanna
- 4 *Colophospermum mopane* and other tree species except for *Baikaea plurijuga*
- 5 Mosaic of:
  - 5.1 *Terminalia sericea* savanna on yellow Kalahari sands
  - 5.2 *Colophospermum* / *Cathophractes* / *Terminalia prunioides* / *Combretum apiculatum* / *Combretum imberbe* shrub savanna on greyish psammitic soils
  - 5.3 Patches of *Sesamothamnus guerichii* on calcareous soil
- 6 *Colophospermum* / *Combretum* / *Terminalia sericea* savanna in the “oshanas” of Owambo
- 7 *Colophospermum mopane* / *Combretum mechowianum* savanna with pans and vleis

**TRANSITIONAL TYPES**

- 8 Dwarf savanna on sheet calcrete
- 9 Mosaic of:
  - 9.1 Tree *Colophospermum* / *Spirostachys* savanna
  - 9.2 Grassveld
  - 9.3 Shrubveld
  - 9.4 Dwarf savanna on rocky mountains
- 10 *Colophospermum mopane* / *Terminalia prunioides* / *Acacia* spp. savanna with *Terminalia sericea*, *Lonchocarpus nelsii*, *Combretum apiculatum*, *Combretum imberbe* and *Kirkia acuminata*
- 11 *Acacia giraffae* savanna

**NAMIB AND PRE-NAMIB TYPES**

- 12 *Colophospermum mopane* / *Terminalia prunioides* savanna
- 13 Sub-desert steppe to very dry dwarf savanna of *Colophospermum mopane* and *Terminalia prunioides*
- 14 Escarpment area with rocky hills, surrounding flats. The rocky hills supporting a dwarf shrubby desertic steppe and the flats are covered by grasses
- 15 Desert grassveld alternating with hills and gravelled flats of dwarf desertic steppe
- 16 Desert dwarf steppe on gravelled flat or undulated surfaces
- 17 Sandy dunes

**Study area:** Etosha National Park, Namibia  
**Author:** E. Joubert  
**Year of study:** 1971  
**Study type:** Research project  
**Reference** *Madoqua* 1(4): 5–32  
**Special note:** A more detailed Braun-Blanquet vegetation classification (Le Roux 1980) followed this classification by Joubert.

**Communities** 1 Tree savanna on sand

1.1 *Colophospermum mopane* tree savanna on granitic sand

2 Tree and shrub savanna on Kalahari-like sand, granitic sand and alkaline soils

2.1 *Colophospermum mopane* – *Acacia reficiens* – *Terminalia prunioides* association

2.2 *Colophospermum mopane* – *Terminalia prunioides* – *Combretum apiculatum* association

2.3 *Combretum apiculatum* – *Colophospermum mopane* association

3 Shrub savanna on calcrete rubble and alkaline soils

3.1 *Colophospermum mopane* – *Catophractes alexandri* shrub savanna

3.2 *Catophractes alexandri* – *Acacia nebrownii* association

3.3 *Sesamothamnus guerichii* association

4 Valley community on alluvial soils

5 *Commiphora* – *Sterculia* association on rocky outcrops

**Study area:** Etosha National Park, Namibia  
**Author:** C.J.G. Le Roux  
**Year of study:** 1980  
**Study type:** D.Sc. thesis, Department of Plant Production, University of Pretoria  
**Reference** *S. Afr. J. Bot.* 54(1): 1–10  
**Special note:** Le Roux did not name the communities according to plant species names. It is rather a list of mapping units. Detail on the vegetation of these communities (mapping units?) can be seen in the publication.

**Communities**

**TALL GRASSVELD COMMUNITIES**

1 Sweet grassveld on lime



- 2 Adoniveld
- 3 Okondeka duneveld
- 4 Poacher's peninsula
- 5 Ekuma grasslands
- 6 Omuramba onaiso
- 7 Karstveld turf pans

***KARST BUSHVELD AND FOREST***

- 8 Mopane treeveld
- 9 *Colophospermum mopane* / *Combretum apiculatum* / *Terminalia prunioides* bushveld
- 10 Dungaries vegetation mapping unit
- 11 Marble hillocks
- 12 Thai-Tkab woodlands
- 13 Marula associations
- 14 *Terminalia prunioides* / *Spirostachys africana* forest
- 15 Dolomite inselbergs

***SANDVELD AREAS***

- 16 Sandy shrub Mopaneveld
- 17 Paradys vegetation mapping unit
- 18 Sandy *Terminalia* / *Acacia* shrubveld
- 19 Southeastern sandy bushveld
- 20 Northeastern sandveld

***SHRUB MOPANE ON LOAMY SOILS***

- 21 Nineteenth latitude shrub Mopaneveld
- 22 Narawandu shrub Mopaneveld
- 23 Ekuma woodlands
- 24 Shrub mopane on Estcourt form soils

***KAOKOLAND***

- 25 *Acacia reficiens* / *Colophospermum mopane* / *Terminalia prunioides* thorn scrub
- 26 *Colophospermum mopane* / *Combretum apiculatum* / *Sesamothamnus guerichii* bushveld
- 27 Otjovasandu hilly mopane savanna
- 28 Kaross granitic Mopaneveld
- 29 Kowares sandy mopane shrubveld



30 Renostervlei mopane / *Combretum hereroense* / *Sesamothamnus guerichii* shrubveld

**BOTTOMLANDS**

31 Saline and/or depressed areas

<b>Study area:</b>	Northern Regions, Namibia
<b>Author:</b>	C. Hines & A. Burke
<b>Year of study:</b>	1997
<b>Study type:</b>	Report for the Ministry of Agriculture, Water and Rural Development, Republic of Namibia
<b>Reference</b>	No publications
<b>Special note:</b>	Classification of the vegetation of the northern regions is based on vegetation maps. Communities, as been reassessed, are listed below

**Communities**

**VEGETATION UNITS OF THE KABBE AREA**

- 1 Associations on Kalahari sands and reworked fluvial deposits
  - 1.1 *Combretum* – *Terminalia* – *Burkea* tall closed woodland
  - 1.2 *Colophospermum mopane* tall closed woodland
  - 1.3 *Terminalia sericea* – *Eragrostis pallens* short open/closed woodland
  - 1.4 Ephemeral pan short closed grasslands
- 2 Associations of the Kalahari-Floodplain transition
  - 2.1 *Acacia nigrescens* – *Lonchocarpus capassa* high closed woodland
  - 2.2 *Combretum imberbe* – *Terminalia sericea* tall open woodland
- 3 Associations of the floodplain areas
  - 3.1 Perennial swamps
  - 3.2 *Paspalum scrobiculatum* short closed grasslands
  - 3.3 *Cynodon dactylon* short closed grasslands
  - 3.4 *Vertiveria nigriflora* – *Cymbopogon* sp. tall closed grasslands
  - 3.5 *Diospyros mespiliformis* – *Piliostigma thonningii* high closed woodlands

**VEGETATION UNITS OF THE OKATJALI – EKUMA AREA**

- 1 *Hyphaene ventricosa* – *Sclerocarya birrea* high open/sparse woodland
- 2 *Sporobolus* – *Brachiaria* – *Eragrostis* tall closed grasslands



3 *Odyssea – Schmidtia* short closed grasslands

4 Pan margin sedge and grasslands

**Study area:** Kaokoland, North-West Namibia

**Author:** T. Becker & N. Jürgens

**Year of study:** 2000

**Study type:** Research project

**Reference** *Phytocoenologia* 30(3–4): 543–565

**Special note:** Communities described in this study are identified along three transects of climate gradients.

### Communities

#### *NORTHERN TRANSECT* (Opuwo – Etanga – Skeleton Coast Park)

I Ephemeral grassland and *Colophospermum mopane* savanna

1 *Stipagrostis uniplumis* grassland

2 *Commiphora wildtii* – *Stipagrostis hirtigluma* grassland

3 *Stipagrostis hirtigluma* – *Calicorema capitata* grassland

4 *Colophospermum mopane* – *Enneapogon desvauxii* savanna

5 *Colophospermum mopane* – *Tribulus zeyheri* savanna

6 *Colophospermum mopane* – *Stipagrostis hirtigluma* – *Stipagrostis uniplumis* savanna

7 *Colophospermum mopane* – *Stipagrostis uniplumis* savanna

II *Colophospermum mopane* – *Terminalia prunioides* savanna

8 *Colophospermum mopane* – *Terminalia prunioides* – *Curroria decidua* savanna

9 *Colophospermum mopane* – *Terminalia prunioides* – *Stipagrostis hirtigluma* savanna

10 *Colophospermum mopane* – *Terminalia prunioides* savanna

11 *Colophospermum mopane* – *Terminalia prunioides* – *Stipagrostis uniplumis* savanna

IIa *Colophospermum mopane* – *Terminalia prunioides* – *Combretum apiculatum* savanna

12 *Colophospermum mopane* – *Terminalia prunioides* – *Combretum apiculatum* savanna

13 *Colophospermum mopane* – *Terminalia prunioides* – *Combretum apiculatum* – *Tribulus zeyheri* savanna

14 *Colophospermum mopane* – *Terminalia prunioides* – *Combretum apiculatum* – *Geigeria acaulis* savanna

15 *Colophospermum mopane* – *Terminalia prunioides* – *Combretum apiculatum* – *Barleria*



*senensis* – *Indigofera* sp. savanna

16 *Colophospermum mopane* – *Terminalia prunioides* – *Combretum apiculatum* – *Euphorbia damarana* savanna

MIDDLE TRANSECT (Opuwo – Orupembe – Skeleton Coast Park)

I Ephemeral grassland

1 *Calicorema capitata* – *Euphorbia damarana* grassland

2 *Zygophyllum stapfii* – *Stipagrostis namaquensis* grassland

3 *Stipagrostis hirtigluma* grassland

4 *Phaeoptilum spinosum* – *Curroria decidua* grassland

II *Colophospermum mopane* – *Terminalia prunioides* savanna

IIa Species poor *Colophospermum mopane* – *Terminalia prunioides* savanna

5 *Colophospermum mopane* – *Terminalia prunioides* savanna

6 *Colophospermum mopane* – *Terminalia prunioides* – *Stipagrostis hirtigluma* savanna

7 *Colophospermum mopane* – *Terminalia prunioides* – *Amphiasma merenskianum* – *Heliotropium hereroense* savanna

IIb Species rich *Colophospermum mopane* – *Terminalia prunioides*

8 *Colophospermum mopane* – *Terminalia prunioides* – *Ceraria longipedunculata* – *Hermannia gariepina* savanna

9 *Colophospermum mopane* – *Terminalia prunioides* – *Grewia flavescens* – *Ximenia americana* savanna

10 *Colophospermum mopane* – *Terminalia prunioides* – *Fingerhuthia africana* savanna

11 *Colophospermum mopane* – *Terminalia prunioides* – *Lindernia clavata* savanna

12 *Colophospermum mopane* – *Terminalia prunioides* – *Commiphora anacardifolia* savanna

13 *Colophospermum mopane* – *Terminalia prunioides* – *Dicoma tomentosa* – *Stipagrostis uniplumis* savanna

14 *Colophospermum mopane* – *Terminalia prunioides* – *Acacia* spp. savanna

15 *Colophospermum mopane* – *Terminalia prunioides* – *Catophractes alexandri* savanna

16 *Colophospermum mopane* – *Terminalia prunioides* – *Catophractes alexandri* – *Petalidium rossmannianum* savanna

III *Colophospermum mopane* – *Terminalia prunioides* – *Combretum apiculatum* savanna

17 *Colophospermum mopane* – *Terminalia prunioides* – *Combretum apiculatum* savanna



*SOUTHERN TRANSECT* (Warmquelle – Puros – Skeleton Coast Park)

I Ephemeral grassland and *Colophospermum mopane* savanna

1 *Stipagrostis uniplumis* – *Cleome foliosa* – *Gisekia africana* grassland

2 *Stipagrostis hirtigluma* grassland

3 *Stipagrostis uniplumis* – *Calicorema capitata* grassland

4 *Colophospermum mopane* – *Stipagrostis uniplumis* savanna

5 *Colophospermum mopane* savanna

6 *Colophospermum mopane* – *Salvadora persica* – *Stipagrostis hirtigluma* savanna

II *Acacia* spp. savanna

7 *Acacia erioloba* – *Salvadora persica* savanna

8 *Acacia tortilis* – *Zygophyllum simplex* savanna

III *Commiphora* spp. savanna

9 *Commiphora wildii* – *Monechma genistifolia* savanna

10 *Commiphora ob lanceolata* – *Euphorbia damarana* savanna

11 *Commiphora virgata* savanna

IV *Colophospermum mopane* – *Terminalia prunioides* savanna

12 *Colophospermum mopane* – *Terminalia prunioides* – *Catophractes alexandri* savanna

## APPENDIX 2

### VEGETATION TYPES (MAPPING UNITS) IN THE SOUTHERN AFRICAN MOPANEVELD

#### South Africa

**Vegetation map / description of types:** Veld Types of South Africa

**Scale:** 1: 7 000 000

**Author:** J.P.H. Acocks

**Reference:** *Memoirs of the Botanical Survey of South Africa* 28 (1953)

**Vegetation types:** *III TROPICAL BUSH AND SAVANNA TYPES*  
Mopani Veld (Veld Type no. 15)

**Vegetation map / description of types:** Vegetation map of South Africa, Lesotho and Swaziland

**Scale:** 1: 2 000 000

**Author:** A.B. Low & A.G. Rebelo

**Reference:** A companion to the vegetation map of South Africa, Lesotho and Swaziland (1998). Department of Environmental Affairs and Tourism, Pretoria

**Vegetation types:** *SAVANNA BIOME*  
Mopane Shrubveld (Vegetation Type no. 9)  
Mopane Bushveld (Vegetation Type 10)

#### Botswana

**Vegetation map / description of types:** Vegetation of the Chobe River in Northeast Botswana (1975)

**Scale:** No vegetation map, only descriptions on vegetation

**Author:** C.D. Simpson

**Reference:** *Kirkia* 10: 185–227

**Vegetation types:** *Colophospermum* tree / bush savanna

- Vegetation map / description of types:** Vegetation map of South East Botswana (1980)
- Scale:** 1: 500 000
- Author:** J. Timberlake
- Reference:** Unpublished Report
- Vegetation types:** *SANDVELD (TREE AND SHRUB SAVANNAS ON SAND)*  
Mopane shrub savanna on sand (type A4)  
*HARDVELD (WOODLAND AND TREE SAVANNA ON NON-SANDY SOILS)*  
Mopane woodland (type B2)  
*WOODLAND ON HILLS AND ROCKY OUTCROPS*  
*Acacia nigrescens* hill woodland (type C2)
- Vegetation map / description of types:** Vegetation map of Botswana (1971)
- Author:** P.R. Weare & A. Yalala
- Reference:** *Botswana Notes and Records* 3: 131–147
- Vegetation types:** *TREE SAVANNA*
- 1 Tree and bush savanna with mopane (type 2c)
  - 2 North-western tree savanna (type 2d)
  - 3 Mopane bushveld (type 2j)
  - 4 Mixed mopane bushveld (type 2k)
    - (i) Mopane closed tree savanna
    - (ii) Mopane mixed tree savanna
    - (iii) Mopane low tree savanna
    - (iv) Mopane thicket woodland
  - 5 Mopane open tree savanna (type 2l)
  - 6 Mixed mopane tree and bush savanna (type 2m)
  - 7 Ngamiland tree savanna (type 2o)
- CLOSE TREE SAVANNA ON ROCKY HILLS*  
*Croton/Combretum* association (type 3a)
- RIPARIAN FOREST*  
Okavango fringe forest (type 8a)

**Vegetation map / description of types:** Vegetation map of the Flora Zambesiaca area (1967)

**Scale:** 1: 2 500 000

**Author:** H. Wild & L.A.G Barbosa

**Reference:** *Flora Zambesiaca* supplement. Harare, Zimbabwe

**Vegetation types:** *WOODLAND AND SAVANNA WOODLAND*  
 Dry early deciduous savanna woodland (low-land): *Colophospermum* (type 35)  
*TREE SAVANNA*  
 1 Deciduous dry tree savanna (in Kalahari sand): *Baikiaea* – *Colophospermum* – *Burkea* – *Dialium* (type 38)  
 2 Dry deciduous tree savanna: *Colophospermum mopane* (type 50)  
*SHRUB SAVANNA*  
 1 Dry early deciduous shrub savanna: *Colophospermum mopane* – *Enneapogon* – *Aristida* (type 61)

## Zimbabwe

**Vegetation map / description of types:** Vegetation types of Southern Rhodesia

**Scale:** No vegetation map, only description

**Author:** A.S. Boughey

**Reference:** *Proc. Trans. of Rhodesia Scientific Assoc.* 49: 54–98

**Vegetation types:** [Zone E – (b)] The *Colophospermum mopane* catena type

**Vegetation map / description of types:** Vegetation types of the Chewore – Angwa – Kanyemba area of the Zambezi Valley, Zimbabwe (1993)

**Scale:** 1: 100 000

**Author:** R. Du Toit

**Reference:** *Kirkia* 14(1): 61–77

- Vegetation types:** *RIVERINE VEGETATION*  
Vegetation in areas of diffuse drainage (type 1.3)
- DRY DECIDUOUS FOREST AND WOODLAND WITH UNDERSTOREY*
- 1 *Kirkia* – *Colophospermum* ridge vegetation (type 2.2)
  - 2 *Combretum* – *Strychnos* woodland (type 2.3)
- MOPANE COMMUNITIES*
- 1 Extensive mopane communities (type 3.1)
  - 2 Mopane communities on intercalated mudrock (type 3.2)
  - 3 Mixed mopane woodland (type 3.3)
- MIOMBO COMMUNITIES*
- 1 Well-developed miombo woodland (type 4.1)
  - 2 *Julbernardia* – *Colophospermum* woodland (type 4.2)
  - 3 Miombo on intercalated sandstone (type 4.3)
  - 4 Miombo on large sandstone hills (type 4.4)
  - 5 Small tree savanna woodland (type 4.6)
- TERMINALIA COMMUNITIES*
- 1 *Terminalia* mosaic (type 5.1)
  - 2 Open *Terminalia* – *Combretum* – *Colophospermum* community
- Vegetation map / description of types:** Vegetation of Southern Gokwe District, Rhodesia (1968)
- Scale:** 1: 250 000
- Author:** J.A.K. Farrell
- Reference:** *Kirkia* 6(2): 249–257
- Vegetation types:**
- 1 *Brachystegia boehmii* – *Julbernardia globiflora* vegetation type (type 3)
  - 2 *Colophospermum mopane* vegetation type (type 4)
  - 3 *Combretum apiculatum* vegetation type (type 6)
  - 4 *Terminalia randii* vegetation type (type 11)

- Vegetation map / description of types:** Vegetation of Southern the lower Sabi-Lundi Basin, Rhodesia (1968)
- Scale:** 1: 250 000
- Author:** J.A.K. Farrell
- Reference:** *Kirkia* 6(2): 223–248
- Vegetation types:**
- 1 *Kirkia acuminata* and *Commiphora mollis* vegetation type (type 5)
  - 2 *Colophospermum mopane* vegetation type (type 6)
  - 3 *Combretum apiculatum* vegetation type (type 8)
  - 4 *Spirostachys africana* vegetation type (type 15)
  - 5 *Acacia nigrescens* vegetation type (type 16)
- 
- Vegetation map / description of types:** Vegetation types of the Zambezi Valley, Rhodesia, between the Kariba and Mpata gorges (1975)
- Scale:** No vegetation map, only description of types
- Author:** P.R. Guy
- Reference:** *Kirkia* 10: 543–557
- Vegetation types:**
- 1 *Colophospermum mopane* woodland (type 1)
  - 2 Mixed species woodland (type 4)
  - 3 *Acacia* woodland savanna (type 9)
  - 4 *Colophospermum mopane* – *Acacia* woodland-savanna (type 10)
  - 5 *Colophospermum mopane* tree savanna (type 11)
  - 6 *Colophospermum mopane* tree bush savanna (type 12)
  - 7 *Combretum* – *Terminalia* – *Colophospermum mopane* bush savanna (type 14)
  - 8 *Colophospermum mopane* scrub savanna (type 16)
- 
- Vegetation map / description of types:** Vegetation map of the federation of Rhodesia and Nyasaland (1961)
- Author:** J.M. Rattray & H. Wild
- Reference:** *Kirkia* 2: 94–104
- Vegetation types:** **WOODLANDS**
- 1 *Colophospermum mopane* woodland (type 16)



**SAVANNA**

- 1 *Burkea africana* – *Dialium engleranum* – *Baikiaea* –  
*Colophospermum* savanna (type 22)
- 2 *Colophospermum mopane* savanna (type 26)

**Vegetation map /**

Vegetation types of southern Rhodesia (1962)

**description of types:**

**Scale:**

No vegetation map, only descriptions on vegetation types

**Author:**

J.M. Rattray

**Reference:**

*Kirkia* 2: 68–93

**Vegetation types:**

**WOODLANDS**

- 1 *Julbernardia globiflora* types (type 2c)
- 2 *Colophospermum mopane* types (type 2h)

**SAVANNAS**

- 1 Woodland savannas
- 2 Tree savannas
  - 2.1 *Terminalia sericea* types (type 3Bb)
  - 2.2 *Acacia* spp. types - on deep sandy soils derived from sandstones of  
the Permian system in the Sabi Valley (type 3Bd6)
  - 2.3 *Colophospermum mopane* types (type 3Be)
    1. *Colophospermum* alone - *Eragrostis* (Kalahari, Permian)
    2. *Colophospermum* - *Brachystegia boehmii* - *Aristida* (Kalahari)
    3. *Colophospermum* - *Acacia* - *Combretum* - *Cenchrus* (Basalt)
    4. *Colophospermum* - *Commiphora* - *Adansonia* - *Aristida* (annual)  
(several soil types)
- 3 Tree/bush savannas
  - 3.1 *Acacia* types (type 3Ca)
  - 3.2 *Terminalia sericea* type (type 3Cb)
  - 3.3 *Combretum* spp. types (type 3Cc)
  - 3.4 *Colophospermum mopane* types (type 3Cd)
    1. *Colophospermum* - *Pterocarpus* - *Aristida* (Kalahari sand)
    2. *Colophospermum* - *Grewia* - *Sclerocarya* - *Kirkia* - *Eragrostis*  
(granite, paragneiss)

3. *Colophospermum - Grewia - Acacia - Combretum - Cenchrus*  
(Basalt)

4. *Colophospermum - Grewia - Commiphora - Aristida* (annual)  
(several soil types)

5. *Colophospermum - Grewia - Eragrostis*

4 Scrub savannas

4.1 *Colophospermum* types (type 3Gc)

(1) that occurring on deep cracking heavy clays on basalts and  
Madumabisa shales

(2) that occurring on shallow stony basalt soils

(3) that on low-lying drainage areas subject to severe frosts

(4) that which has developed as a result of coppicing

***BUSHLANDS OR THICKETS***

1 Other secondary thickets (type 4g)

**Vegetation map /  
description of types:**

Vegetation of the communal lands - North and West Zimbabwe (1993)

**Scale:**

1: 500 000

**Author:**

J.R. Timberlake, N. Nobanda & I. Mapaire

**Reference:**

*Kirkia* 14 (2): 171–270

**Vegetation types:**

***RIPARIAN FORESTS AND ALLUVIAL WOODLANDS***

1 Dense woodland to woodland and thicket on alluvium / colluvium  
(type B1)

1.1 Subtype A: well developed closed woodland to woodland thicket on  
heavier textured soils

2 Mixed riparian woodland (type B2)

2.1 Subtype A: closed to open woodland characterized by trees

2.2 Subtype B: woodland to open woodland

***DRY FORESTS AND THICKETS***

1 *Terminalia brachystemma* bushed woodland (type C1)

2 *Combretum* woodland thicket on colluvium and sandstone (type C3)

2.1 Subtype A: well developed woodland thicket

2.2 Subtype B: heterogeneous vegetation subtype ranging from woodland thicket to woodland

2.3 Subtype C: woodland thicket characterized by a usually well developed shrub layer

3 *Baikiaea* woodland on Kalahari sands (type C6)

3.1 Subtype B: open woodland

4 *Baikiaea* - *Acacia* bushed woodland on sand dunes (type C7)

4.1 Subtype B: wooded grassland to shrubland

#### **MIOMBO WOODLANDS**

1 *Brachystegia spiciformis* - *B. boehmii* woodland on sand (type D2)

Subtype A: *Brachystegia spiciformis* woodland (*Colophospermum mopane* only on termitaria)

1.2 Subtype B: *Brachystegia boehmii* woodland (*Colophospermum mopane* only on termitaria)

2 *Brachystegia boehmii* - *Julbernardia* - *Pterocarpus angolensis* open woodland on sandstone plateaux (type D3)

2.1 Subtype A: open woodland (*Colophospermum mopane* only on termitaria)

3 *Brachystegia boehmii* - *Julbernardia* woodland on shallow soils (type D4)

3.1 Subtype B: woodland, mostly rather open (*Colophospermum mopane* only on termitaria)

3.2 Subtype F: low woodland, mostly rather open (*Colophospermum mopane* only on termitaria)

4 *Brachystegia glaucescens* woodland on hills (type D6)

4.1 Subtype A: woodland to open woodland

#### **MIOMBO - MOPANE WOODLANDS**

1 *Brachystegia boehmii* - *Colophospermum* woodland catena (type E1)

1.1 Subtype A: woodland to open woodland

1.2 Subtype B: woodland of alternating dominance by *Brachystegia boehmii*, *Julbernardia globiflora*, *Colophospermum mopane* and *Kirkia acuminata*

1.3 Subtype C: clumped woodland to woodland thicket on termitaria or

rocky outcrops surrounded by more open woodland

2 *Julbernardia - Colophospermum* woodland catena (type E2)

2.1 Subtype A: mosaic of open woodland, woodland to bushed woodland - alternating dominance of *Julbernardia globiflora*, *Pteleopsis anisoptera* and *Colophospermum mopane*

2.2 Subtype B: woodland to open woodland

2.3 Subtype C: well developed woodland

3 *Combretum - Colophospermum* open woodland mosaic (type E3)

4 *Colophospermum - Diospyros kirkii* open woodland on shallow soils (type E4)

4.1 Subtype A: open woodland, verging on wooded grassland on the shallowest soils

4.2 Subtype B: open woodland to wooded grassland characterized by small trees

5 *Colophospermum - Brachystegia allenii* woodland mosaic (E5)

**MOPANE WOODLANDS**

1 *Colophospermum* woodland on skeletal soils (type F1)

1.1 Subtype A: open woodland with alternating dominance of *Colophospermum mopane* and *Kirkia acuminata* with *Acacia nigrescens*

1.2 Subtype B: mosaic of open woodland

2 *Colophospermum - Terminalia stuhlmannii* woodland (type F2)

3 *Colophospermum* woodland (single dominance)

3.1 Subtype A: uniform woodland characterized by single-species dominance of *Colophospermum mopane*

3.2 Subtype B: woodland with low abundances of other woody species

3.3 Subtype C: open woodland

3.4 Subtype D: single-species dominance woodland with a lower canopy

**COMBRETACEAE OPEN WOODLANDS**

1 *Combretum collinum* low open woodland on sand (type G1)

2 Mixed dry woodland mosaic on granite (type G2)

**ACACIA OPEN WOODLANDS**

1 Acacia open woodland on Goldbelt soils (type H1)

1.1 Subtype A: open woodland

1.2 Subtype B: open woodland to woodland

**Vegetation map / description of types:** Vegetation in the Eastern Mid-Zambezi Valley, Zimbabwe

**Scale:** 1: 500 000

**Author:** J. Timberlake & I. Mapaure

**Reference:** *Transactions of the Zimbabwe Scientific Association* 66: 1–14

**Vegetation types:**

- 1 Dense woodland to woodland thicket on old alluvium (type 2)
- 2 *Terminalia brachystemma* bushed woodland (type 3)
- 3 Woodland or bushland fallows on alluvium / colluvium (type 4)
- 4 Mopane woodland on deeper soils (type 6)
- 5 Mopane - *Terminalia stuhlmannii* woodland (type 7)
- 6 Mopane - *Combretum apiculatum* woodland on shallow soils
- 7 Mopane - *Combretum apiculatum* - *Julbernardia* woodland (type 9)
- 8 *Brachystegia allenii* - mopane woodland on colluvium (type 10)

**Vegetation map / description of types:** Vegetation map of the Flora Zambesiaca area (1967)

**Scale:** 1: 2 500 000

**Author:** H. Wild & L.A.G Barbosa

**Reference:** *Flora Zambesiaca* supplement. Harare, Zimbabwe

**Vegetation types:** **WOODLAND AND SAVANNA WOODLAND**  
Dry early deciduous savanna woodland (low-land): *Colophospermum* (type 35)

**TREE SAVANNA**

1 Deciduous dry tree savanna (in Kalahari sand): *Baikiaea* – *Colophospermum* – *Burkea* – *Dialium* (type 38)

2 Dry deciduous tree savanna: *Colophospermum mopane* (type 50)

**SHRUB SAVANNA**

Dry early deciduous shrub savanna: *Colophospermum mopane* – *Enneapogon* – *Aristida* (type 61)

## Zambia

**Vegetation map /** Vegetation of Zambia (1969)

**description of types:**

**Author:** Fanshawe, D.B.

**Reference:** Forest Research Bulletin 7: 1–67

**Vegetation types:** *OPEN FOREST WITH GRASS*  
Mopane Woodland (type IIA3)  
*TERMITARIA*  
Mopane termitaria

**Vegetation map /** Vegetation map of the Flora Zambesiaca area (1967)

**description of types:**

**Scale:** 1: 2 500 000

**Author:** H. Wild & L.A.G Barbosa

**Reference:** *Flora Zambesiaca* supplement. Harare, Zimbabwe

**Vegetation types:** *WOODLAND AND SAVANNA WOODLAND*  
Dry early deciduous savanna woodland (low-land): *Colophospermum*  
(type 35)  
*TREE SAVANNA*  
1 Deciduous dry tree savanna (in Kalahari sand): *Baikiaea* –  
*Colophospermum* – *Burkea* – *Dialium* (type 38)  
2 Dry deciduous tree savanna: *Colophospermum mopane* (type 50)

## Malawi

**Vegetation map /** Vegetation map of the Flora Zambesiaca area (1967)

**description of types:**

**Scale:** 1: 2 500 000

**Author:** H. Wild & L.A.G Barbosa

**Reference:** *Flora Zambesiaca* supplement. Harare, Zimbabwe

**Vegetation types:** *WOODLAND AND SAVANNA WOODLAND*  
Dry early deciduous savanna woodland (low-land): *Colophospermum*  
(type 35)  
*TREE SAVANNA*  
Dry deciduous tree savanna: *Colophospermum mopane* (type 50)

## Mozambique

**Vegetation map / description of types:** Vegetation map of the Flora Zambesiaca area (1967)  
**Scale:** 1: 2 500 000  
**Author:** H. Wild & L.A.G Barbosa  
**Reference:** *Flora Zambesiaca* supplement. Harare, Zimbabwe  
**Vegetation types:** *WOODLAND AND SAVANNA WOODLAND*  
Dry early deciduous savanna woodland (low-land): *Colophospermum*  
(type 35)  
*TREE SAVANNA*  
Dry deciduous tree savanna: *Colophospermum mopane* (type 50)  
*SHRUB SAVANNA*  
Dry early deciduous shrub savanna: *Colophospermum mopane* –  
*Enneapogon – Aristida* (type 61)

## Angola

**Vegetation map / description of types:** Carta fitogeográfica de Angola  
**Author:** L.A.G. Barbosa  
**Reference:** Carta fitogeográfica de Angola. Luanda, Angola. Instituto de  
Investigação Científica de Angola (1970)



<b>Vegetation types:</b>	Mapping unit	Vegetation type
	20	Dry deciduous woodland and mosaic of savanna and shrubland
	21	Dry valley woodland and riverine vegetation
	27	Sublittoral shrubland
<b>Vegetation map / description of types:</b>	Generalized vegetation map of Angola (after Barbosa 1970)	
<b>Scale:</b>	1: 8 000 000	
<b>Author:</b>	Unknown	
<b>Vegetation types:</b>	Mapping unit	Vegetation type
	18WS	Mosaic of: (1) xeric (deciduous) woodland (2) xeric savannas
	19S	Imperfectly drained <i>Colophospermum</i> shrubland on cracking clays
	20WS	Mosaic of: (1) low growing woodlands (2) tall grass savannas
	25SG	Mosaic of: (1) xerophytic shrublands (2) annual grasslands (3) dwarf shrubland

## Namibia

<b>Vegetation map / description of types:</b>	Vegetation map of Namibia (1998)
<b>Scale:</b>	1: 5 000 000
<b>Author:</b>	W. Giess
<b>Reference:</b>	<i>Dinteria</i> 4: 1–112





**Vegetation types:** *SAVANNA*

- 1 Mopane savanna (type 5)
- 2 Riverine woodland (not a mapping unit)



## APPENDIX 3

### LIST OF PLANT SPECIES / INFRASPECIFIC TAXA

- Abrus laevigatus* E.Mey.  
*Abutilon angulatum* (Guill. & Perr.) Mast.  
*Abutilon austro-africanum* Hochr.  
*Abutilon englerianum* Ulbr.  
*Abutilon fruticosum* Guill. & Perr.  
*Abutilon grandiflorum* G.Don  
*Abutilon guineense* (K.Schum.) Baker f. & Exell  
*Abutilon hirtum* (Lam.) Sweet  
*Abutilon pycnodon* Hochr.  
*Abutilon ramosum* (Cav.) Guill. & Perr.  
*Abutilon* species  
*Acacia arenaria* Schinz  
*Acacia ataxacantha* DC.  
*Acacia borleae* Burttt Davy  
*Acacia burkei* Benth.  
*Acacia caffra* (Thunb.) Willd.  
*Acacia erioloba* E.Mey.  
*Acacia erubescens* Welw. ex Oliv.  
*Acacia exuvialis* I.Verd.  
*Acacia fleckii* Schinz  
*Acacia gerrardii* Benth.  
*Acacia grandicornuta* Gerstner  
*Acacia hebeclada* DC.  
*Acacia hebeclada* DC. ssp. *chobiensis*  
(O.B.Mill.) A.Schreib.  
*Acacia hebeclada* DC. ssp. *hebeclada*  
*Acacia hebeclada* DC. ssp. *tristis* A.Schreib.  
*Acacia karroo* Hayne  
*Acacia kirkii* Oliv.  
*Acacia luederitzii* Engl.  
*Acacia mellifera* (Vahl) Benth.  
*Acacia mellifera* (Vahl) Benth. ssp. *detinens*  
(Burch.) Brenan  
*Acacia mellifera* (Vahl) Benth. ssp. *mellifera*  
*Acacia montis-usti* Merxm. & A.Schreib.  
*Acacia nebrownii* Burttt Davy  
*Acacia nigrescens* Oliv.  
*Acacia nilotica* (L.) Willd. ex Del.  
*Acacia permixta* Burttt Davy  
*Acacia reficiens* Wawra  
*Acacia robusta* Burch.  
*Acacia schweinfurthii* Brenan & Exell  
*Acacia senegal* (L.) Willd.  
*Acacia senegal* (L.) Willd. var. *leiorhachis* Brenan  
*Acacia senegal* (L.) Willd. var. *rostrata* Brenan  
*Acacia* species  
*Acacia tortilis* (Forssk.) Hayne  
*Acacia welwitschii* Oliv. ssp. *delagoensis*  
(Harms) J.H.Ross & Brenan  
*Acacia xanthophloea* Benth.  
*Acalypha fruticosa* Forssk.  
*Acalypha glabrata* Thunb.  
*Acalypha indica* L.  
*Acalypha segetalis* Müll.Arg.  
*Acalypha* species  
*Acalypha villicaulis* Hochst. ex A.Rich.  
*Acanthosicyos naudinianus* (Sond.) C.Jeffrey  
*Acanthospermum hispidum* DC.  
*Achyranthes aspera* L.  
*Achyropsis leptostachya* (E.Mey. ex Meisn.)  
Baker & C.B.Clarke  
*Acrachne racemosa* (Roem. & Schult.) Ohwi  
*Acrotome hispida* Benth.  
*Acrotome inflata* Benth.  
*Actiniopteris radiata* (J.Konig ex Sw.) Link  
*Adansonia digitata* L.  
*Adenia digitata* (Harv.) Engl.  
*Adenium boehmianum* Schinz  
*Adenium multiflorum* Klotzsch  
*Adenolobus garipensis* (E.Mey.) Torre & Hillc.  
*Aerva leucura* Moq.  
*Azelia quanzensis* Welw.  
*Agathisanthemum bojeri* Klotzsch  
*Ageratum conyzoides* L.  
*Aizoanthemum dinteri* (Schinz) Friedrich  
*Aizoon giessii* Friedrich  
*Aizoon glinoides* L.f.  
*Aizoon* species  
*Aizoon virgatum* Welw. ex Oliv.  
*Albizia anthelmintica* (A.Rich.) Brongn.  
*Albizia brevifolia* Schinz  
*Albizia forbesii* Benth.  
*Albizia harveyi* E.Fourn.  
*Albizia petersiana* (Bolle) Oliv.  
*Albizia* species  
*Albizia tanganyicensis* Bak. f.  
*Albizia versicolor* Welw. ex Oliv.  
*Albuca angolensis* Welw.  
*Albuca melleri* Baker  
*Albuca setosa* Jacq.  
*Alchornea laxiflora* (Benth.) Pax & K.Hoffm.  
*Alectra orobanchoides* Benth.



*Alectra* species  
*Aloe chabaudii* Schonl.  
*Aloe excelsa* A.Berger  
*Aloe littoralis* Baker  
*Aloe* species  
*Aloe x esculenta* L.C.Leach  
*Alternanthera pungens* Humb.  
*Alysicarpus vaginalis* (L.) DC.  
*Amaranthus dinteri* Schinz  
*Amaranthus praetermissus* Brenan  
*Amaranthus schinzianus* Thell.  
*Amaranthus* species  
*Amaranthus thunbergii* Moq.  
*Ammannia senegalensis* Lam. ex Poir.  
*Ammocharis coranica* (Ker Gawl.) Herb.  
*Ammocharis* species  
*Amphiasma benguellense* (Hiern) Bremek.  
*Andropogon chinensis* (Nees) Merr.  
*Andropogon gayanus* Kunth  
*Androstachys johnsonii* Prain  
*Aneilema hockii* De Wild.  
*Anisotes rogersii* S.Moore  
*Anthephora pubescens* Nees  
*Anthephora ramosa* Gooss.  
*Anthephora schinzii* Hack.  
*Anticharis inflata* Marloth & Engl.  
*Anticharis linearis* (Benth.) Hochst. ex Asch.  
*Aptosimum angustifolium* E.Weber & Schinz  
*Aptosimum decumbens* Schinz  
*Aptosimum glandulosum* E.Weber & Schinz  
*Aptosimum lineare* Marloth & Engl.  
*Aptosimum lugardiae* (N.E.Br.) E.Phillips  
*Aptosimum* species  
*Argemone mexicana* L.  
*Argyrolobium stipulaceum* Eckl. & Zeyh.  
*Aridaria* species  
*Aristida adscensionis* L.  
*Aristida bipartita* (Nees) Trin. & Rupr.  
*Aristida canescens* Henr.  
*Aristida congesta* Roem. & Schult.  
*Aristida congesta* Roem. & Schult. ssp. *barbicollis*  
(Trin. & Rupr.) De Winter  
*Aristida congesta* Roem. & Schult. ssp. *congesta*  
*Aristida effusa* Henrard  
*Aristida hordeacea* Kunth  
*Aristida junciformis* Trin. & Rupr.  
*Aristida meridionalis* Henrard  
*Aristida mollissima* Pilg.  
*Aristida rhiniochloa* Hochst.  
*Aristida scabrivalvis* Hack.  
*Aristida* species  
*Aristida stipitata* Hack.  
*Aristida stipitata* Hack. ssp. *graciliflora*  
(Pilg.) Melderis  
*Aristida stipitata* Hack. ssp. *stipitata*  
*Aristida stipoides* Lam.  
*Artabotrys brachypetalus* Benth.  
*Ascolepis* species  
*Asparagus africanus* Lam.  
*Asparagus buchananii* Baker  
*Asparagus burchellii* Baker  
*Asparagus crassicladus* Jessop  
*Asparagus denudatus* (Kunth) Baker  
*Asparagus exuvialis* Burch. fo. *ecklonii*  
(Baker) Fellingham & N.L.Mey.  
*Asparagus falcatus* L.  
*Asparagus macowanii* Baker  
*Asparagus minutiflorus* (Kunth) Baker  
*Asparagus natalensis* (Baker)  
J.P.Lebrun & Stork  
*Asparagus nelsii* Schinz  
*Asparagus pearsonii* Kies  
*Asparagus plumosus* Baker  
*Asparagus setaceus* (Kunth) Jessop  
*Asparagus* species  
*Asparagus spinescens* Steud. ex  
Roem. & Schult.  
*Asparagus suaveolens* Burch.  
*Aspilia mossambicensis* (Oliv.) Wild  
*Asystasia gangetica* (L.) T.  
*Asystasia subbiflora* C.B.Clarke  
*Atriplex lindleyi* Moq.  
*Azima tetraantha* Lam.  
*Baikiaea plurijuga* Harms  
*Baissea wulfhorstii* Schinz  
*Balanites maughamii* Sprague  
*Balanites pedicellaris* Mildbr. & Schltr.  
*Balanites welwitschii* (Tiegh.)  
Exell & Mendonca  
*Baphia massaiensis* Taub.  
*Barleria affinis* C.B.Clarke  
*Barleria crossandriiformis* C.B.Clarke  
*Barleria elegans* S.Moore ex C.B.Clarke  
*Barleria galpinii* C.B.Clarke  
*Barleria holubii* C.B.Clarke  
*Barleria kaloxytone* Lindau  
*Barleria lanceolata* (Schinz) Oberm.  
*Barleria lancifolia* T.Anderson  
*Barleria lugardii* C.B.Clarke  
*Barleria mackenii* Hook.f.  
*Barleria merxmulleri* P.G.Mey.  
*Barleria oxyphylla* Lindau



- Barleria prionitis* L.  
*Barleria rogersii* S.Moore  
*Barleria saxatilis* Oberm.  
*Barleria senensis* Klotzsch  
*Barleria* species  
*Barleria transvaalensis* Oberm.  
*Basananthe pedata* (Baker f.) W.J.de Wilde  
*Bauhinia galpinii* N.E.Br.  
*Bauhinia petersiana* Bolle  
*Becium filamentosum* (Forssk.) Chiov.  
*Becium obovatum* (E. Mey. ex Benth.)  
*Becium* species  
*Berchemia discolor* (Klotzsch) Hemsl.  
*Berchemia zeyheri* (Sond.) Grubov  
*Bergia salaria* Bremek.  
*Bidens biternata* (Lour.) Merr. & Sherff  
*Bidens pilosa* L.  
*Bidens* species  
*Blainvillea gayana* Cass.  
*Blepharis diversispina* (Nees) C.B.Clarke  
*Blepharis gertindae* P.G.Mey.  
*Blepharis innocua* C.B. Cl.  
*Blepharis integrifolia* (L. f.) E. Mey. ex Schinz  
*Blepharis leendertziae* Oberm.  
*Blepharis maderaspatensis* (L.) Heyne ex Roth  
*Blepharis obmitrata* C.B.Clarke  
*Blepharis* species  
*Blepharis subvolubilis* C.B. Cl.  
*Boerhavia coccinea* Mill.  
*Boerhavia diffusa* L.  
*Boerhavia* species  
*Bolusanthus speciosus* (Bolus) Harms  
*Bonamia schizantha* (Hallier f.) A.Meeuse  
*Boophane disticha* (L.f.) Herb.  
*Boscia albitrunca* (Burch.)  
*Boscia foetida* Schinz  
*Boscia foetida* Schinz ssp. foetida  
*Boscia matabelensis* Pestal.  
*Boscia microphylla* Oliv.  
*Boscia mossambicensis* Klotzsch  
*Boscia salicifolia* Oliv.  
*Boscia tomentosa* Toelken  
*Bothriochloa insculpta* (A.Rich.) A.Camus  
*Bothriochloa radicans* (Lehm.) A.Camus  
*Bothriochloa* species  
*Brachiaria brizantha* (A.Rich.) Stapf  
*Brachiaria deflexa* (Schumach.)  
C.E.Hubb. ex Robyns  
*Brachiaria eruciformis* (Sm.) Griseb.  
*Brachiaria humidicola* (Rendle) Schweick.  
*Brachiaria malacodes* (Mez & K.Schum.) Scholz  
*Brachiaria marlothii* (Hack.) Stent  
*Brachiaria nigropedata* (Ficalho & Hiern) Stapf  
*Brachiaria schoenfelderi* C.E.Hubb. & Schweick.  
*Brachiaria serrata* (Thunb.) Stapf  
*Brachiaria* species  
*Brachiaria xantholeuca* (Schinz) Stapf  
*Brachylaena huillensis* O.Hoffm.  
*Breonadia salicina* (Vahl) Hepper & J.R.I.Wood  
*Bridelia cathartica* Bertol.f.  
*Bridelia micrantha* (Hochst.) Baill.  
*Bridelia mollis* Hutch.  
*Brunsvigia* species  
*Buchnera glabrata* Benth.  
*Buchnera longespicata* Schinz  
*Bulbostylis contexta* (Nees) M.Bodard  
*Bulbostylis hispidula* (Vahl) R.W.Haines  
*Bulbostylis* species  
*Burkea africana* Hook.  
*Cadaba aphylla* (Thunb.) Wild  
*Cadaba schroeppeii* Suess.  
*Caesalpinia rubra* (Engl.) Brenan  
*Calostephane divaricata* Benth.  
*Camptorrhiza strumosa* (Baker) Oberm.  
*Canthium glaucum* (Klotzsch) Kuntze  
*Canthium setiflorum* Hiern  
*Capparis tomentosa* Lam.  
*Cardamine africana* L.  
*Cardiospermum corindum* L.  
*Cardiospermum halicacabum* L.  
*Carissa bispinosa* (L.) Desf. ex Brenan  
*Carissa tetramera* (Sacleux) Stapf  
*Cassia abbreviata* Oliv.  
*Cassine aethiopica* Thunb.  
*Cassine eucleiformis* (Eckl. & Zeyh.) Kuntze  
*Cassine transvaalensis* (Burt Davy) Codd  
*Catophractes alexandri* D.Don  
*Catunaregam spinosa* (Thunb.)  
*Celosia trigyna* L.  
*Cenchrus ciliaris* L.  
*Centropodia glauca* (Nees) Cope  
*Cephalocroton mollis* Klotzsch  
*Ceraria longipedunculata* Merxm. & Podlech  
*Ceratotheca* species  
*Ceratotheca triloba* (Bernh.) Hook.f.  
*Cereus peruvianus* (L.) Mill.  
*Chaetacanthus costatus* Nees  
*Chamaecrista absus* (L.) Irwin & Barneby  
*Chamaecrista biensis* (Steyaert) Lock  
*Chamaecrista comosa* E. Mey.  
*Chamaecrista mimosoides* (L.) Greene  
*Chamaesyce glanduligera* (Pax) Koutnik



- Chamaesyce inaequilatera* (Sond.) Sojak  
*Chamaesyce neopolycnemoides*  
(Pax & K.Hoffm.) Koutnik  
*Chamaesyce prostrata* (Aiton) Small  
*Chamaesyce tettensis* (Klotzsch) Koutnik  
*Chascanum adenostachyum* (Schauer) Moldenke  
*Chascanum hederaceum* (Sond.)  
*Chascanum pinnatifidum* (L.f.)  
*Cheilanthes dinteri* Brause  
*Cheilanthes involuta* (Swartz) Schelpe & N.C.  
Anthony  
*Cheilanthes viridis* (Forssk.) Swartz  
*Chenopodium album* L.  
*Chloris gayana* Kunth  
*Chloris mossambicensis* K.Schum.  
*Chloris roxburghiana* Schult.  
*Chloris species*  
*Chloris virgata* Sw.  
*Chlorophytum galpinii* Oberm.  
*Cirsium vulgare* (Savi) Ten.  
*Cissampelos mucronata* A.Rich.  
*Cissus cornifolia* (Baker) Planch.  
*Cissus nymphaeifolia* (Welw. ex Baker) Planch.  
*Cissus quadrangularis* L.  
*Cissus rotundifolia* (Forssk.) Vahl  
*Cissus species*  
*Citrullus lanatus* (Thunb.) Matsum. & Nakai  
*Cleistanthus schlechteri* (Pax) Hutch.  
*Clematis brachiata* Thunb.  
*Cleome angustifolia* (Forssk.)  
*Cleome gynandra* L.  
*Cleome hirta* (Klotzsch) Oliv.  
*Cleome maculata* (Sond.) Szyzyl.  
*Cleome monophylla* L.  
*Cleome oxyphylla* Burch.  
*Cleome rubella* Burch.  
*Cleome species*  
*Clerodendrum dekindtii* Guerke  
*Clerodendrum glabrum* E. Mey.  
*Clerodendrum species*  
*Clerodendrum ternatum* Schinz  
*Clerodendrum uncinatum* Schinz  
*Clitoria ternatea* L.  
*Coccinia adoensis* (A.Rich.) Cogn.  
*Coccinia rehmannii* Cogn.  
*Coccinia sessilifolia* (Sond.) Cogn.  
*Cocculus hirsutus* (L.) Diels  
*Coddia rudis* (E.Mey. ex Harv.) Verdc.  
*Coelachyrum yemenicum* (Schweinf.) S.M.Phillips  
*Colophospermum mopane* (J.Kirk ex Benth.)  
J.Kirk ex J.Léonard  
*Combea mollusca* (Ach.) Nyl.  
*Combea species*  
*Combretum albopunctatum* Suess.  
*Combretum apiculatum* Sond.  
*Combretum celastroides* Welw. ex Laws.  
*Combretum collinum* Welw. ex Laws.  
*Combretum engleri* Schinz  
*Combretum erythrophyllum* (Burch.) Sond.  
*Combretum hereroense* Schinz  
*Combretum imberbe* Wawra  
*Combretum microphyllum* Klotzsch  
*Combretum molle* R.Br. ex G.Don  
*Combretum mossambicense* (Klotzsch) Engl.  
*Combretum nelsonii* Dummer  
*Combretum padoides* Engl. & Diels  
*Combretum psidioides* Welw.  
*Combretum species*  
*Combretum wattii* Exell  
*Combretum zeyheri* Sond.  
*Commelina africana* L.  
*Commelina benghalensis* L.  
*Commelina diffusa* Burm. f.  
*Commelina erecta* L.  
*Commelina forskaolii* Vahl  
*Commelina livingstonii* C.B.Clarke  
*Commelina species*  
*Commelina subulata* Roth  
*Commicarpus africanus* (Lour.) Dandy  
*Commicarpus fallacissimus* (Heimerl)  
Heimerl ex Oberm.  
*Commiphora africana* (A.Rich.) Engl.  
*Commiphora anacardiifolia* Dinter & Engl.  
*Commiphora angolensis* Engl.  
*Commiphora crenato-serrata* Engl.  
*Commiphora edulis* (Klotzsch) Engl.  
*Commiphora giessii* J.J.A.van der Walt  
*Commiphora glandulosa* Schinz  
*Commiphora glaucescens* Engl.  
*Commiphora gracilifronsosa* Dinter ex  
J.J.A.van der Walt  
*Commiphora marlothii* Engl.  
*Commiphora merkeri* Engl.  
*Commiphora mollis* (Oliv.) Engl.  
*Commiphora mossambicensis* (Oliv.) Engl.  
*Commiphora multijuga* (Hiern) K.Schum.  
*Commiphora pyracanthoides* Engl.  
*Commiphora schimperi* (O.Berg) Engl.  
*Commiphora species*  
*Commiphora tenuipetiolata* Engl.  
*Commiphora virgata* Engl.  
*Conostomium zoutpansbergense* (Bremek.)



- Convolvulus ocellatus* Hook. f.  
*Conyza attenuata* DC.  
*Corallocarpus bainesii* (Hook.f.) A.Meeuse  
*Corallocarpus triangularis* Cogn.  
*Corbichonia decumbens* (Forssk.) Exell  
*Corchorus asplenifolius* Burch.  
*Corchorus confusus* Wild  
*Corchorus junodii* (Schinz) N.E.Br.  
*Corchorus kirkii* N.E.Br.  
*Corchorus longipedunculatus* Mast.  
*Corchorus tridens* L.  
*Corchorus trilocularis* L.  
*Cordia caffra* Sond.  
*Cordia grandicalyx* Oberm.  
*Cordia monoica* Roxb.  
*Cordia sinensis* Lam.  
*Cotyledon barbeyi* Schweinf. ex Baker  
*Crabbea hirsuta* Harv.  
*Crabbea velutina* S.Moore  
*Crinum buphanoides* Welw. ex Baker  
*Crinum delagoense* I.Verd.  
*Crinum macowanii* Baker  
*Crinum species*  
*Crossandra mucronata* Lindau  
*Crossopteryx febrifuga* (Afzel. ex G.Don) Benth.  
*Crotalaria argyrea* Welw. ex Baker  
*Crotalaria barnabassii* Dinter ex Baker f.  
*Crotalaria damarensis* Engl.  
*Crotalaria distans* Benth.  
*Crotalaria laburnifolia* L.  
*Crotalaria meyeriana* Steud.  
*Crotalaria monteiroi* Taub. ex Bak. f.  
*Crotalaria pallida* Ait.  
*Crotalaria pisicarpa* Welw. ex Baker  
*Crotalaria platysepala* Harv.  
*Crotalaria podocarpa* DC.  
*Crotalaria schinzii* Baker f.  
*Crotalaria spartioides* DC.  
*Crotalaria species*  
*Crotalaria sphaerocarpa* Perr. ex DC.  
*Crotalaria teixeirae* Torre  
*Crotalaria virgulata* Klotzsch  
*Croton gratissimus* Burch.  
*Croton megalobotrys* Müll.Arg.  
*Croton menyhartii* Pax  
*Croton pseudopulchellus* Pax  
*Croton species*  
*Cryptolepis oblongifolia* (Meisn.) Schltr.  
*Ctenolepis cerasiformis* (Stocks) Hook.f.  
*Cucumella species*  
*Cucumis africanus* L.f.  
  
*Bremek.*  
*Cucumis anguria* L.  
*Cucumis hirsutus* Sond.  
*Cucumis metuliferus* Naudin  
*Cucumis species*  
*Cucumis zeyheri* Sond.  
*Cullen obtusifolia* (DC.) C.H.Stirt.  
*Curroria decidua* Planch. ex Hook.f. & Benth.  
*Cussonia zuluensis* Strey  
*Cyathula lanceolata* Schinz  
*Cyathula uncinulata* (Schrad.) Schinz  
*Cycnium adonense* E. Mey. ex Benth.  
*Cymbopogon excavatus* (Hochst.) Stapf ex  
Burt Davy  
*Cymbopogon plurinodis* (Stapf)  
Stapf ex Burt Davy  
*Cymbopogon validus* (Stapf) Stapf ex Burt Davy  
*Cynodon dactylon* (L.) Pers.  
*Cynodon species*  
*Cyperus amabilis* Vahl  
*Cyperus esculentus*  
*Cyperus fenzelianus* Steud.  
*Cyperus fulgens* C.B. Cl.  
*Cyperus margaritaceus* Vahl  
*Cyperus marginatus* Thunb.  
*Cyperus obtusiflorus* Vahl  
*Cyperus procerus* Rottb.  
*Cyperus rupestris* Kunth  
*Cyperus schinzii* Boeck.  
*Cyperus sexangularis* Nees  
*Cyperus species*  
*Cyphia angustifolia* Eckl. & Zeyh.  
*Cyphostemma cirrhosum* (Thunb.) Descoings  
ex Wild & Drum.  
*Cyphostemma currorii* (Hook.f.) Desc.  
*Cyphostemma hereroense* (Schinz) Desc. ex  
Wild & R.B.Drumm.  
*Cyphostemma puberulum* (C.A.Sm.)  
Wild & R.B.Drumm.  
*Cyphostemma schlechteri* (Gilg & M.Brandt)  
Desc. ex Wild & R.B.Drumm.  
*Cyphostemma species*  
*Cyphostemma subciliatum* (Baker)  
Desc. ex Wild & R.B.Drumm.  
*Dactyloctenium aegyptium* (L.) Willd.  
*Dactyloctenium australe* Steud.  
*Dactyloctenium geminatum* Hack.  
*Dactyloctenium giganteum* Fisher & Schweick.  
*Dalbergia melanoxyton* Guill. & Perr.  
*Dalbergia nitidula* Baker  
*Dalechampia galpinii* Pax



- Danthoniopsis dinteri* (Pilg.) C.E.Hubb.  
*Datura ferox* L.  
*Decorsea schlechteri* (Harms) Verdc.  
*Desmodium velutinum* (Willd.) DC.  
*Dialium engleranum* Henriq.  
*Dicerocaryum eriocarpum* (Decne.) Abels  
*Dichanthium annulatum* (Forssk.)  
*Dichapetalum cymosum* (Hook.) Engl.  
*Dichrostachys cinerea* (L.) Wight & Arn.  
*Dicoma anomala* Sond.  
*Dicoma galpinii* Wilson  
*Dicoma schinzii* O.Hoffm.  
*Dicoma* species  
*Dicoma tomentosa* Cass.  
*Digitaria argyrograpta* (Nees) Stapf  
*Digitaria diagonalis* (Nees) Stapf  
*Digitaria eriantha* Steud.  
*Digitaria milanjana* (Rendle) Stapf  
*Digitaria seriata* Stapf  
*Digitaria* species  
*Digitaria velutina* (Forssk.) P.Beauv.  
*Diheteropogon amplexans* (Nees) Clayton  
*Dinebra retroflexa* (Vahl) Panz.  
*Dioscorea cotinifolia* Kunth  
*Diospyros chamaethamnus* Mildbr.  
*Diospyros lycioides* Desf.  
*Diospyros mespiliformis* Hochst. ex A.DC.  
*Dipcadi glaucum* (Ker Gawl.) Baker  
*Dipcadi gracillimum* Baker  
*Dipcadi* species  
*Diplachne fusca* (L.) P.Beauv. ex Roem. & Schult.  
*Diplachne* species  
*Diplorhynchus condylocarpon* (Müll.Arg.) Pichon  
*Dolichos falciformis* E.Mey.  
*Dolichos trilobus* L.  
*Dombeya cymosa* Harv.  
*Dombeya kirkii* Mast.  
*Dombeya rotundifolia* (Hochst.) Planch  
*Dovyalis caffra* (Hook.f. & Harv.) Hook.f.  
*Dracaena aletriformis* (Haw.) Bos  
*Dracaena mannii* Baker  
*Dregea macrantha* Klotzsch  
*Drosera acaulis* L.f.  
*Drypetes gerrardii* Hutch.  
*Duosperma crenatum* (Lindau) P.G.Mey.  
*Dyschoriste rogersii* S.Moore  
*Ecbolium glabratum* Vollesen  
*Echinochloa colona* (L.) Link  
*Echinochloa crus-galli* (L.) P.Beauv.  
*Echinochloa pyramidalis* (Lam.) Hitchc. & Chase  
*Ehretia amoena* Klotzsch  
*Ehretia rigida* (Thunb.) Druce  
*Ekebergia capensis* Sparrm.  
*Elephantorrhiza burkei* Benth.  
*Elephantorrhiza elephantina* (Burch.) Skeels  
*Elephantorrhiza* species  
*Elephantorrhiza suffruticosa* Schinz  
*Eleusine coracana* (L.) Gaertn.  
*Elytraria acaulis* (L.f.) Lindau  
*Elytrophorus globularis* Hack.  
*Emilia ambifaria* (S.Moore) C.Jeffrey  
*Emilia transvaalensis* (Bolus) C.Jeffrey  
*Endostemon obtusifolius* (E.Mey. ex Benth.)  
N.E.Br.  
*Endostemon tenuiflorus* (Benth.) M.Ashby  
*Endostemon tereticaulis* (Poir.) M.Ashby  
*Enicostema hyssopifolium* (Willd.) I.Verd.  
*Enicostema* species  
*Enneapogon cenchroides* (Roem. & Schult.)  
C.E.Hubb.  
*Enneapogon desvauxii* P.Beauv.  
*Enneapogon scoparius* Stapf  
*Enneapogon* species  
*Entandrophragma caudatum* (Sprague) Sprague  
*Enteropogon macrostachyus* (A.Rich.) Benth.  
*Enteropogon monostachyus* (Vahl) K. Schum.  
*Eragrostis annulata* Rendle ex Scott-Elliott  
*Eragrostis aspera* (Jacq.) Nees  
*Eragrostis biflora* Hack. ex Schinz  
*Eragrostis capensis* (Thunb.) Trin.  
*Eragrostis chloromelas* Steud.  
*Eragrostis cilianensis* (All.) F.T.Hubb.  
*Eragrostis ciliaris* (L.) R.Br.  
*Eragrostis curvula* (Schrad.) Nees  
*Eragrostis cylindriflora* Hochst.  
*Eragrostis dinteri* Stapf  
*Eragrostis echinochloidea* Stapf  
*Eragrostis glandulosipedata* De Winter  
*Eragrostis gummiiflua* Nees  
*Eragrostis heteromera* Stapf  
*Eragrostis inamoena* K.Schum.  
*Eragrostis lappula* Nees  
*Eragrostis lehmanniana* Nees  
*Eragrostis micrantha* Hack.  
*Eragrostis nindensis* Ficalho & Hiern  
*Eragrostis pallens* Hack.  
*Eragrostis pilgeriana* Dinter ex Pilg.  
*Eragrostis porosa* Nees  
*Eragrostis racemosa* (Thunb.) Steud.  
*Eragrostis rigidior* Pilg.  
*Eragrostis rotifer* Rendle  
*Eragrostis sabiniae* Launert



*Eragrostis* species  
*Eragrostis stapfii* De Winter  
*Eragrostis superba* Peyr.  
*Eragrostis trichophora* Coss. & Durieu  
*Eragrostis viscosa* (Retz.) Trin.  
*Eriocephalus pubescens* DC.  
*Eriocephalus* species  
*Eriochloa meyeriana* (Nees) Pilg.  
*Eriospermum bakerianum* Schinz  
*Eriospermum rautanenii* Schinz  
*Erlangea misera* (Oliv. & Hiern) S.Moore  
*Erucastrum arabicum* Fisch. & C.A.Mey.  
*Erythrina latissima* E.Mey.  
*Erythrina lysistemon* Hutch.  
*Erythrina* species  
*Euclea crispa* (Thunb.) Guerke  
*Euclea divinatorum* Hiern  
*Euclea natalensis* A. DC.  
*Euclea pseudebenus* E.Mey. ex A.DC.  
*Euclea schimperii* (A. DC.) Dandy  
*Euclea* species  
*Euclea undulata* Thunb.  
*Euphorbia confinalis* R.A. Dyer  
*Euphorbia cooperi* N.E. Br. ex Berger  
*Euphorbia crotonoides* Boiss.  
*Euphorbia cyathophora* Murray  
*Euphorbia gueinzii* Boiss.  
*Euphorbia guerchiana* Pax  
*Euphorbia ingens* E.Mey. ex Boiss.  
*Euphorbia monteiroi* Hook. f.  
*Euphorbia quadrata* Nel  
*Euphorbia schinzii* Pax  
*Euphorbia tirucalli* L.  
*Euphorbia venenata* Marloth  
*Euphorbia virosa* Willd.  
*Eustachys paspaloides* (Vahl) Lanza & Mattei  
*Evolvulus alsinoides* (L.) L.  
*Faidherbia albida* (Delile) A.Chev.  
*Felicia alba* Grau  
*Felicia anthemidodes* (Hiern) Mendonca  
*Felicia bechuanica* Mattf.  
*Felicia clavipilosa* Grau  
*Felicia minima* (Hutch.) Grau  
*Felicia mossamedensis* (Hiern) Mendonca  
*Ferraria glutinosa* (Baker) Rendle  
*Ficus abutilifolia* (Miq.) Miq.  
*Ficus capreifolia* Delile  
*Ficus cordata* Thunb.  
*Ficus glumosa* (Miq.) Delile  
*Ficus lutea* Vahl  
*Ficus stuhlmannii* Warb.  
*Ficus sycomorus* L.  
*Ficus tettensis* Hutch.  
*Fimbristylis complanata* (Retz.) Link  
*Fimbristylis* species  
*Fingerhuthia africana* Lehm.  
*Flacourtia indica* (Burm.f.) Merr.  
*Flaveria bidentis* (L.) Kuntze  
*Flueggea virosa* (Roxb. Ex Willd.) Pax & K. Hoffm.  
*Fockea angustifolia* K.Schum.  
*Fockea* species  
*Forsskaolea viridis* Ehrenb. ex Webb  
*Fuirena pachyrrhiza* Ridley  
*Fuirena pubescens* (Poir.) Kunth  
*Garcinia livingstonei* T.Anderson  
*Gardenia resiniflua* Hiern  
*Gardenia* species  
*Gardenia volkensii* K.Schum.  
*Gardenia volkensii* K.Schum. ssp. spatulifolia  
(Stapf & Hutch.) Verdc.  
*Geigeria acaulis* (Sch.Bip.) Benth. & Hook.f. ex  
Oliv. & Hiern  
*Geigeria burkei* Harv.  
*Geigeria odontoptera* O.Hoffm.  
*Geigeria ornativa* O.Hoffm.  
*Geigeria schinzii* O. Hoffm.  
*Gisekia africana* (Lour.) Kuntze  
*Gisekia pharnacioides* L.  
*Gisekia* species  
*Glinus lotoides* L.  
*Gloriosa superba* L.  
*Gnidia rubescens* B.Peterson  
*Gnidia sericea* L.  
*Gnidia sericocephala* (Meisn.) Gilg ex Engl.  
*Gomphocarpus fruticosus* (L.) Aiton f.  
*Gomphocarpus tomentosus* Burch.  
*Gomphrena celosioides* Mart.  
*Gossypium anomalum*  
*Gossypium herbaceum* Wawra ex Wawra & Peyr.  
*Gossypium triphyllum* (Harv.) Hochr.  
*Grewia avellana* Hiern  
*Grewia bicolor* Juss.  
*Grewia caffra* Meisn.  
*Grewia falcistipula* K.Schum.  
*Grewia flava* DC.  
*Grewia flavescens* Juss.  
*Grewia hexamita* Burret  
*Grewia inaequilatera* Garcke  
*Grewia microthyrsa* K.Schum. ex Burret  
*Grewia monticola* Sond.  
*Grewia occidentalis* L.  
*Grewia pachycalyx* K.Schum.





- Grewia retinervis* Burret  
*Grewia* species  
*Grewia subspathulata* N.E.Br.  
*Grewia tenax* (Forssk.) Fiori  
*Grewia villosa* Willd.  
*Guibourtia coleosperma* (Benth.) J.Léonard  
*Guibourtia conjugata* (Bolle) J.Léonard  
*Gymnema sylvestre* (Retz.) Schult.  
*Haemanthus* species  
*Harpagophytum procumbens* (Burch.) DC. ex  
Meissn. F. sublobatum Engl.  
*Harpagophytum zeyheri*  
*Heinsia crinita*  
*Helichrysum album* N.E.Br.  
*Helichrysum candolleanum* H.Buek  
*Helichrysum herbaceum* (Andrews) Sweet  
*Helichrysum hemiarioides* DC.  
*Helichrysum lineare* DC.  
*Helichrysum miconiifolium* DC.  
*Helichrysum* species  
*Helichrysum tomentosulum* (Klatt) Merxm.  
*Helinus integrifolius* (Lam.) Kuntze  
*Helinus spartioides* (Engl.) Schinz ex Engl.  
*Heliotropium ciliatum* Kaplan  
*Heliotropium giessii* Friedr.-Holzh.  
*Heliotropium indicum* L.  
*Heliotropium lineare* (A.DC.) Guerke  
*Heliotropium ovalifolium* Forssk.  
*Heliotropium* species  
*Heliotropium steudneri* Vatke  
*Heliotropium strigosum* Willd.  
*Heliotropium zeylanicum* (Burm.f.) Lam.  
*Hemizygia bracteosa* (Benth.) Briq.  
*Hemizygia elliotii* (Baker) M.Ashby  
*Hemizygia petrensii* (Hiern) M.Ashby  
*Hemizygia* species  
*Hermannia boraginiflora* Hook.  
*Hermannia eenii* Baker f.  
*Hermannia glanduligera* K.Schum.  
*Hermannia glandulosissima* Engl.  
*Hermannia modesta* (Ehrenb.) Mast.  
*Hermannia quartiniana* A. Rich.  
*Hermannia rigida* Harv.  
*Hermannia* species  
*Hermannia tomentosa* (Turcz.) Schinz ex Engl.  
*Hermbstaedtia glauca* (J.C.Wendl.)  
Rchb. ex Steud.  
*Hermbstaedtia linearis* Schinz  
*Hermbstaedtia odorata* (Burch.) T. Cooke  
*Hermbstaedtia* species  
*Heteromorpha arborescens* (Thunb.)  
Cham. & Schldl.  
*Heteropogon contortus* (L.) Roem. & Schult.  
*Heteropogon melanocarpus* (Elliott) Benth.  
*Heteropyxis natalensis* Harv.  
*Hexalobus monopetalus* (A. Rich.) Engl. & Diels  
*Hibiscus allenii* Sprague & Hutch.  
*Hibiscus caesius* Garcke  
*Hibiscus calyphyllus* Cav.  
*Hibiscus cannabinus* L.  
*Hibiscus elliotiae* Harv.  
*Hibiscus engleri* K.Schum.  
*Hibiscus micranthus* L.f.  
*Hibiscus nigricaulis* Baker f.  
*Hibiscus palmatus* Forssk.  
*Hibiscus pedunculatus* L.f.  
*Hibiscus platycalyx* Mast.  
*Hibiscus praeteritus* R.A.Dyer  
*Hibiscus pusillus* Thunb.  
*Hibiscus sidiformis* Baill.  
*Hibiscus* species  
*Hibiscus subreniformis* Burt Davy  
*Hibiscus trionum* L.  
*Hibiscus upingtoniae* Guerke  
*Hibiscus vitifolius* L.  
*Hiernia angolensis* S.Moore  
*Hippocratea crenata* (Klotzsch) K.Schum. & Loes.  
*Hippocratea longipetiolata* Oliv.  
*Hirpicium bechuanense* (S.Moore) Roessler  
*Hirpicium gazanioides* (Harv.) Roessler  
*Hirpicium gorterioides* (Oliv. & Hiern) Rössl.  
*Holarrhena pubescens* (Buch.-Ham.) Wall.  
*Holubia saccata* Oliv.  
*Huernia hystrix* (Hook. f.) N.E. Br.  
*Huernia kirkii* N.E.Br.  
*Huernia* species  
*Hugonia orientalis* Engl.  
*Hybanthus enneaspermus* (L.) F.Muell.  
*Hygrophila auriculata* (Schumach.) Heine  
*Hymenocardia ulmoides* Oliv.  
*Hyparrhenia anamesa* Clayton  
*Hyparrhenia hirta* (L.) Stapf  
*Hyparrhenia rufa* (Nees) Stapf  
*Hyparrhenia* species  
*Hyparrhenia tamba* (Steud.) Stapf  
*Hyparrhenia variabilis* Stapf  
*Hyperacanthus amoenus* (Sims) Bridson  
*Hypertelis salsoloides* (Burch.) Adamson  
*Hyperthelia dissoluta* (Nees ex Steud.) Clayton  
*Hyphaene coriacea* Gaertn.  
*Hyphaene petersiana* Klotzsch  
*Hypoestes forskalii* (Vahl) R.Br.



- Hypoxis hemerocallidea* Fisch. & C.A.Mey.  
*Indigastrum costatum*  
*Indigastrum fastigiatum* (E.Mey.) Schrire  
*Indigastrum parviflorum*  
*Indigofera adenocarpa* E.Mey.  
*Indigofera arrecta* Hochst. ex A.Rich.  
*Indigofera astragalina* DC.  
*Indigofera auricoma* E.Mey.  
*Indigofera bainesii* Baker  
*Indigofera charlieriana* Schinz  
*Indigofera colutea* (Burm.f.) Merr.  
*Indigofera comosa* N.E.Br.  
*Indigofera daleoides* Benth. ex Harv.  
*Indigofera enormis* N.E.Br.  
*Indigofera filipes* Benth. ex Harv.  
*Indigofera flavicans* Baker  
*Indigofera frutescens* L.f.  
*Indigofera galpinii* N.E.Br.  
*Indigofera heterotricha* DC.  
*Indigofera holubii* N.E.Br.  
*Indigofera ingrata* N.E.Br.  
*Indigofera inhambanensis* Klotzsch  
*Indigofera lupatana* Baker f.  
*Indigofera lydenburgensis* N.E.Br.  
*Indigofera melanadenia* Benth. ex Harv.  
*Indigofera nebrowniana* J.B.Gillett  
*Indigofera rautanenii* Baker f.  
*Indigofera rhytidocarpa* Benth. ex Harv.  
*Indigofera schimperii* Jaub. & Spach  
*Indigofera species*  
*Indigofera suffruticosa* Mill.  
*Indigofera swaziensis* (H. Bol.)  
*Indigofera teixeirae* Torre  
*Indigofera trigonelloides* Jaub. & Spach  
*Indigofera tristis* E.Mey.  
*Indigofera tristoides* N.E.Br.  
*Indigofera trita* L. f.  
*Indigofera vicioides* Jaub. & Spach  
*Ipomoea adenioides* Schinz  
*Ipomoea arachnosperma* Welw.  
*Ipomoea bolusiana* Schinz  
*Ipomoea cairica* (L.) Sweet  
*Ipomoea chloroneura* Hallier f.  
*Ipomoea optica* (L.) Roth ex Roem. & Schult  
*Ipomoea coscinosperma* Hochst. ex Choisy  
*Ipomoea crassipes* Hook.  
*Ipomoea eriocarpa* R.Br.  
*Ipomoea hochstetteri* House  
*Ipomoea magnusiana* Schinz  
*Ipomoea obscura* (L.) Ker-Gawl.  
*Ipomoea papilio* Hallier f.  
*Ipomoea pes-tigridis* L.  
*Ipomoea sinensis* (Desr.) Choisy  
*Ipomoea species*  
*Ipomoea transvaalensis* A.Meeuse  
*Ipomoea tuberculata* Ker Gawl.  
*Ipomoea verbascoidea* Choisy  
*Ischaemum afrum* (J.F.Gmel.) Dandy  
*Ischaemum fasciculatum* Brongn.  
*Jacquemontia tamnifolia* (L.) Griseb.  
*Jamesbrittenia micrantha* (Klotzsch) Hilliard  
*Jamesbrittenia montana* (Diels) Hilliard  
*Jasminum fluminense* Vell.  
*Jasminum stenolobum* Rolfe  
*Jatropha schlechteri* Pax  
*Jatropha species*  
*Jatropha spicata* Pax  
*Jatropha variifolia* Pax  
*Jatropha zeyheri* Sond.  
*Justicia anagalloides* (Nees) T.Anderson  
*Justicia betonica* L.  
*Justicia exigua* S.Moore  
*Justicia flava* (Vahl) Vahl  
*Justicia matammensis* (Schweinf.) Oliv.  
*Justicia odora* (Forssk.) Vahl  
*Justicia petiolaris* (Nees) T. Anders.  
*Justicia platysepala* (S.Moore) P.G.Mey.  
*Justicia protracta* (Nees) T. Anders.  
*Justicia species*  
*Kalanchoe brachyloba* Welw. ex Britten  
*Kalanchoe lanceolata* (Forssk.) Pers.  
*Kalanchoe paniculata* Harv.  
*Kalanchoe rotundifolia* (Haw.) Haw.  
*Kalanchoe species*  
*Kedrostis capensis* (Sond.) A.Meeuse  
*Kedrostis foetidissima* (Jacq.) Cogn.  
*Kigelia africana* (Lam.) Benth.  
*Kirkia acuminata* Oliv.  
*Kirkia wilmsii* Engl.  
*Kleinia longiflora* DC.  
*Kohautia amatymbica* Eckl. & Zeyh.  
*Kohautia amboensis* (Schinz) Bremek.  
*Kohautia azurea* (Dinter & K.Krause) Bremek.  
*Kohautia caespitosa* Schnizl.  
*Kohautia cicendioides* (K.Schum.) Bremek.  
*Kohautia cynanchica* DC.  
*Kohautia ramosissima* Bremek.  
*Kohautia species*  
*Kohautia virgata* (Willd.) Bremek.  
*Kyllinga alba* Nees  
*Kyphocarpa angustifolia* (Moq.) Lopr.  
*Lagenaria species*



- Lagera decurrens* (Vahl) Hepper & J.R.I.Wood  
*Lagynias dryadum* (S.Moore) Robyns  
*Landolphia kirkii* Dyer  
*Lansea discolor* (Sond.) Engl.  
*Lansea schweinfurthii* (Engl.) Engl.  
*Lantana angolensis* Moldenke  
*Lantana camara* L.  
*Lantana dinteri* Moldenke  
*Lantana rugosa* Thunb.  
*Lantana* species  
*Lapeirousia sandersonii* Baker  
*Launaea intybacea* (Jacq.) P.Beauv.  
*Ledebouria* species  
*Lemna aequinoctialis* Welw.  
*Leonotis nepetifolia* (L.) R.Br.  
*Leonotis ocymifolia* (Burm. f.) Iwarsson  
*Leonotis* species  
*Lepidagathis scabra* C.B.Clarke  
*Leptactina delagoensis* K. Schum.  
*Leptocarydion vulpiastrum* (De Not.) Stapf  
*Leptochloa uniflora* A.Rich.  
*Lessertia benguellensis* Baker f.  
*Leucas glabrata* (Vahl) Sm.  
*Leucas martinicensis* (Jacq.) R.Br.  
*Leucas neuffizeana* Courbon  
*Leucas pechuelii* (Kuntze) G.Ørke  
*Leucas sexdentata* Skan  
*Leucosphaera bainesii* (Hook.f.) Gilg  
*Limeum aethiopicum* Burm.  
*Limeum argute-carinatum* Wawra & Peyr.  
*Limeum dinteri* G.Schellenb.  
*Limeum fenestratum* (Fenzl) Hiemerl  
*Limeum myosotis* H. Walter  
*Limeum* species  
*Limeum sulcatum* (Klotzsch)  
*Limeum viscosum* (Gay)  
*Lindneria clavata* (Mast.) Speta  
*Lippia javanica* (Burm.f.) Spreng.  
*Litanthus pusillus* Harv.  
*Litogyne gariepina* (DC.) Anderb.  
*Lonchocarpus capassa* Rolfe  
*Lonchocarpus nelsii* (Schinz) Heering & Grimme  
*Lophiocarpus polystachyus* Turcz.  
*Lophiocarpus tenuissimus* Hook.f.  
*Lotononis brachyantha* Harms  
*Lotononis pulchella* (E.Mey.) B.-E.van Wyk  
*Lotononis pulchra* Dummer  
*Lotononis rabenaviana* Dinter & Harms  
*Lotononis solitudinis* Dummer  
*Lotononis* species  
*Lotononis stipulosa* Baker f.  
*Ludwigia octovalvis* (Jacq.) Raven  
*Ludwigia stolonifera* (Guill. & Perr.) P.H.Raven  
*Lycium bosciifolium* Schinz  
*Lycium oxycarpum* Dunal  
*Lycium* species  
*Maclura africana* (Bureau) Corner  
*Macrotyloma axillare* (E. Mey.)  
*Macrotyloma maranguense* (Taub.) Verdc.  
*Maerua angolensis* DC.  
*Maerua cafra* (DC.) Pax  
*Maerua edulis* (Gilg & Gilg-Ben.) DeWolf  
*Maerua juncea* Pax  
*Maerua parvifolia* Pax  
*Maerua schinzii* Pax  
*Maerua* species  
*Manilkara mochisia* (Baker) Dubard  
*Margaritaria discoidea* (Baill.) Webster  
*Mariscus aristatus* (Rottb.) Cherm  
*Mariscus congestus* (Vahl) C.B.Clarke  
*Mariscus macer* Kunth  
*Mariscus rehmannianus* C.B.Clarke  
*Mariscus* species  
*Markhamia zanzibarica* (Bojer ex DC.) K.Schum.  
*Maytenus heterophylla* (Eckl. & Zeyh.) N.Robson  
*Maytenus mossambicensis* (Klotzsch) Blakelock  
*Maytenus procumbens* (L.f.) Loes.  
*Maytenus senegalensis* (Lam.) Exell  
*Maytenus* species  
*Maytenus tenuispina* (Sond.) Marais  
*Megalochlamys kenyensis* Vollesen  
*Megalochlamys marlothii* (Engl.) Lindau  
*Megalochlamys revoluta* (Lindau) Vollesen  
*Melanthera tritemata* (Klatt) Wild  
*Melhania acuminata* Mast.  
*Melhania burchellii* DC.  
*Melhania damarana* Harv.  
*Melhania didyma* Eckl. & Zeyh.  
*Melhania forbesii* Planch. ex Mast.  
*Melhania prostrata* DC.  
*Melhania rehmannii* Szyszyl.  
*Melhania* species  
*Melia* species  
*Melinis longiseta* (A. Rich.) Zizka  
*Melinis nerviglumis* (Franch.) Zizka  
*Melinis repens* (Willd.) Zizka  
*Melinis* species  
*Melolobium glanduliferum* Dummer  
*Merremia kentrocaulos* (C.B.Clarke) Rendle  
*Merremia palmata* Hallier f.  
*Merremia pinnata* (Hochst. ex Choisy) Hallier f.  
*Merremia tridentata* (L.) Hallier f.



- Microchloa caffra* Nees  
*Microchloa kunthii* Desv.  
*Millettia grandis* (E.Mey.) Skeels  
*Millettia sutherlandii* Harv.  
*Mollugo cerviana* (L.) Ser. ex DC.  
*Mollugo nudicaulis* Lam.  
*Momordica balsamina* L.  
*Momordica boivinii* Baill.  
*Momordica cardiospermoides* Klotzsch  
*Momordica* species  
*Monadenia bracteata* (Sw.) T.Durand & Schinz  
*Monechma cleomoides* (S.Moore) C.B.Clarke  
*Monechma debile* (Forssk.) Nees  
*Monechma divaricatum* (Nees) C.B.Clarke  
*Monechma genistifolium* (Engl.) C.B. Cl.  
*Monechma* species  
*Monechma tonsum* P.G.Mey.  
*Monelytrum luederitzianum* Hack.  
*Monodora junodii* Engl. & Diels  
*Monsonia angustifolia* E.Mey. ex A.Rich.  
*Monsonia burkeana* Planch. ex Harv.  
*Monsonia glauca* R.Knuth  
*Monsonia senegalensis* Guill. & Perr.  
*Monsonia* species  
*Montinia caryophyllacea* Thunb.  
*Moringa ovalifolia* Dinter & A.Berger  
*Mucuna coriacea* Bak.  
*Mundulea sericea* (Willd.) A.Chev.  
*Myrothamnus flabellifolius* Welw.  
*Nelsia quadrangula* (Engl.) Schinz  
*Neorautanenia amboensis* Schinz  
*Neorautanenia* species  
*Nesaea schinzii* Koehne  
*Neuracanthus africanus* S.Moore  
*Neuradopsis austro-africana* (Schinz) Bremek. & Oberm.  
*Nicolasia costata* (Klatt) Thell.  
*Nicolasia stenoptera* (O. Hoffm.) Merxm.  
*Nidorella resedifolia* DC.  
*Nolletia rarifolia* (Turcz.) Steetz  
*Nuxia oppositifolia* (Hochst.) Benth.  
*Nymphaea nouchali* Burm. f.  
*Nymphaea* species  
*Ochna arborea* Burch. ex DC  
*Ochna inermis* (Forssk.) Schweinf.  
*Ochna natalitia* (Meisn.) Walp.  
*Ochna pretoriensis* E.Phillips  
*Ochna pulchra* Hook.  
*Ocimum americanum* L.  
*Ocimum gratissimum* L.  
*Ocimum* species  
*Odyssea paucinervis* (Nees) Stapf  
*Olax dissitiflora* Oliv.  
*Olea capensis* L.  
*Ophioglossum polyphyllum* A.Braun  
*Ophioglossum* species  
*Opilia campestris* Engl.  
*Opuntia ficus-indica* (L.) Mill.  
*Opuntia stricta* Haw.  
*Ormocarpum trichocarpum* (Taub.) Engl.  
*Ornithogalum seineri* (Engl. & K.Krause) Oberm.  
*Ornithoglossum calcicola* K.Krause & Dinter  
*Oropetium capense* Stapf  
*Orthosiphon labiatus* N.E.Br.  
*Orthosiphon suffrutescens* (Thonn.) J.K.Morton  
*Otoptera burchellii* DC.  
*Oxalis latifolia* Humb.  
*Oxalis semiloba* Sond.  
*Oxalis* species  
*Oxygonum alatum* Burch.  
*Oxygonum dregeanum* Meisn.  
*Oxygonum sinuatum* (Hochst. & Steud. ex Meisn.) Dammer  
*Oxygonum* species  
*Ozoroa engleri* R.& A.Fern.  
*Ozoroa insignis* Del.  
*Ozoroa paniculosa* (Sond.) R. & A. Fernandes  
*Ozoroa schinzii* (Engl.) R.& A.Fern.  
*Pachypodium lealii* Welw.  
*Panicum coloratum* L.  
*Panicum deustum* Thunb.  
*Panicum dregeanum* Nees  
*Panicum heterostachyum* Hack.  
*Panicum lanipes* Mez  
*Panicum maximum* Jacq.  
*Panicum natalense* Hochst.  
*Panicum novemnerve* Stapf  
*Panicum schinzii* Hack.  
*Panicum* species  
*Panicum stapfianum* Fourc.  
*Pappea capensis* Eckl. & Zeyh.  
*Parinari curatellifolia* Planch. ex Benth.  
*Paspalum dilatatum* Poir.  
*Paspalum distichum* L.  
*Pavetta catophylla* K.Schum.  
*Pavetta gardeniifolia* A. Rich  
*Pavetta schumanniana* F.Hoffm. ex K.Schum.  
*Pavetta zeyheri* Sond.  
*Pavonia burchellii* (DC.) R.A.Dyer  
*Pavonia columella* Cav.  
*Pavonia leptocalyx* (Sond.) Ulbr.  
*Pavonia* species



- Pechuel-Loeschea leubnitziae* (Kuntze) O.Hoffm.  
*Pegolettia senegalensis* Cass.  
*Pelargonium englerianum* R.Knuth  
*Peliostomum leucorrhizum* E.Mey. ex Benth.  
*Pellaea calomelanos* (Swartz) Link  
*Peltophorum africanum* Sond.  
*Pennisetum foermerianum* Leeke  
*Pentarrhinum insipidum* E.Mey.  
*Pergularia daemia* (Forssk.) Chiov.  
*Peristrophe bicalyculata* (Retz.) Nees  
*Peristrophe cernua* Nees  
*Perotis patens* Gand.  
*Petalidium bracteatum* Oberm.  
*Petalidium coccineum* S.Moore  
*Petalidium englerianum* (Schinz) C.B.Clarke  
*Petalidium luteo-album* A.Meeuse  
*Petalidium ohopohense* P.G.Mey.  
*Petalidium rautanenii* Schinz  
*Petalidium setosum* C.B.Clarke ex Schinz  
*Petalidium species*  
*Petalidium variabile* (Engl.) C.B. Cl.  
*Phamaceum elongatum* (DC.) Adamson  
*Phoenix reclinata* Jacq.  
*Phragmites australis* (Cav.) Steud.  
*Phragmites mauritanus* Kunth  
*Phragmites species*  
*Phyllica retorta* Pillans  
*Phyllanthus asperulatus* Hutch.  
*Phyllanthus burchellii* Müll.Arg.  
*Phyllanthus dinteri* Pax  
*Phyllanthus incurvus* Thunb.  
*Phyllanthus maderaspatensis* L.  
*Phyllanthus nummularifolius* Poir.  
*Phyllanthus parvulus* Sond.  
*Phyllanthus pentandrus* Schumach. & Thonn.  
*Phyllanthus reticulatus* Poir.  
*Phyllanthus species*  
*Phymaspermum pinnatifidum* (Oliv.) Kallersjo  
*Piliostigma thonningii* (Schumach.) Milne-Redh.  
*Plectranthus hereroensis* Engl.  
*Plectranthus neochilus* Schltr.  
*Plectranthus species*  
*Plectranthus tetensis* (Baker) Agnew  
*Plectranthus tetragonus* Guerke  
*Plectroniella armata* (K.Schum.) Robyns  
*Plumbago zeylanica* L.  
*Pogonarthria fleckii* (Hack.) Hack.  
*Pogonarthria species*  
*Pogonarthria squarrosa* (Roem. & Schult.) Pilg.  
*Pollichia campestris* Aiton  
*Polygala erioptera* DC.  
*Polygala hottentotta* C.Presl  
*Polygala pallida* E.Mey.  
*Polygala producta* N.E.Br.  
*Polygala schinziana* Chodat  
*Polygala species*  
*Polygala sphenoptera* Fresen.  
*Polygala wilmsii* Chodat  
*Polygonum aviculare* L.  
*Portulaca collina* Dinter  
*Portulaca hereroensis* Schinz  
*Portulaca kermesina* N.E.Br.  
*Portulaca oleracea* L.  
*Portulaca quadrifida* L.  
*Portulaca species*  
*Portulacaria afra* Jacq.  
*Priva africana* Moldenke  
*Pseudolachnostylis maprouneifolia* Pax  
*Pseudosalacia species*  
*Psydrax livida* (Hiern) Bridson  
*Ptaeroxylon obliquum* (Thunb.) Radlk.  
*Pteleopsis myrtifolia* (M.A.Lawson) Engl. & Diels  
*Pterocarpus angolensis* DC.  
*Pterocarpus lucens* Guill. & Perr. ssp. antunesii  
(Taub.) Rojo  
*Pterocarpus rotundifolius* (Sond.) Druce  
*Pterococcus africanus* (Sond.) Pax & K.Hoffm.  
*Pterodiscus aurantiacus* Welw.  
*Pterodiscus luridus* Hook.f.  
*Ptychobium biflorum* (E. Mey.)  
*Ptychobium contortum* (N.E.Br.) Brummitt  
*Ptychobium plicatum* (Oliv.) Harms  
*Pupalia lappacea* (L.) A. Juss.  
*Pycreus pelophilus* (Ridl.) C.B.Clarke  
*Pyrostria hystrix* (Bremek.) Bridson  
*Raphionacme elata* N.E.Br.  
*Raphionacme lanceolata* Schinz  
*Raphionacme procumbens* Schltr.  
*Raphionacme species*  
*Requienia pseudosphaerosperma* (Schinz)  
Brummitt  
*Requienia species*  
*Requienia sphaerosperma* DC.  
*Rhigozum brevispinosum* Kuntze  
*Rhigozum obovatum* Burch.  
*Rhigozum species*  
*Rhigozum virgatum* Merxm. & A.Schreib.  
*Rhigozum zambesiicum* Baker  
*Rhinacanthus xerophilus* A.Meeuse  
*Rhoicissus digitata* (L.f.) Gilg & M.Brandt  
*Rhoicissus revouillii* Planch.  
*Rhoicissus tridentata* (L.f.) Wild & Drum.



*Rhus dentata* Thunb.  
*Rhus gueinzii* Sond.  
*Rhus leptodictya* Diels  
*Rhus marlothii* Engl.  
*Rhus pentheri* Zahlbr.  
*Rhus pyroides* Burch.  
*Rhus species*  
*Rhus tenuinervis* Engl.  
*Rhynchosia angulosa* Schinz  
*Rhynchosia caribaea* (Jacq.) DC.  
*Rhynchosia densiflora* (Roth) DC.  
*Rhynchosia longiflora* Schinz  
*Rhynchosia minima* (L.) DC.  
*Rhynchosia resinosa* (A.Rich.) Baker  
*Rhynchosia species*  
*Rhynchosia sublobata* (Schumach.) Meikle  
*Rhynchosia totta* (Thunb.) DC.  
*Rhynchosia venulosa* (Hiern) K.Schum.  
*Rhynchospora candida* (Nees) Boeck.  
*Rogeria adenophylla* J.Gay ex Delile  
*Rothia hirsuta* (Guill. & Perr.) Baker  
*Rottboellia cochinchinensis* (Lour.) Clayton  
*Ruellia cordata* Thunb.  
*Ruellia malacophylla* C.B.Clarke  
*Ruellia patula* Jacq.  
*Ruelliopsis setosa* (Nees) C.B.Clarke  
*Salacia luebbertii* Loes.  
*Salix babylonica* L.  
*Salsola aphylla* L.f.  
*Salsola rabieana* I.Verd.  
*Salsola sericata* Botsch.  
*Salsola tuberculata* (Moq.) Fenzl  
*Salvadora australis* Schweick.  
*Salvadora persica* L.  
*Sansevieria aethiopica* Thunb.  
*Sansevieria hyacinthoides* (L.) Druce  
*Sansevieria pearsonii* N.E.Br.  
*Sarcostemma viminale* (L.) R.Br.  
*Schinziophyton rautanenii* (Schinz) Radcl.-Sm.  
*Schizachyrium exile* (Hochst.) Pilg.  
*Schizachyrium jeffreysii* (Hack.) Stapf  
*Schizobasis intricata* (Baker) Baker  
*Schkuhria pinnata* (Lam.) Cabrera  
*Schmidtia kalahariensis* Stent  
*Schmidtia pappophoroides* Steud.  
*Schoenoplectus muricinux* (C.B.Clarke) J.Raynal  
*Schotia brachypetala* Sond.  
*Schotia capitata* Bolle  
*Schrebera alata* (Hochst.) Welw.  
*Scilla nervosa* (Burch.) Jessop  
*Scilla species*  
*Scirpoides dioecus* (Kunth) Browning  
*Sclerocarya birrea* (A. Rich.) Hochst.  
*Sebaea grandis* (E.Mey.) Steud.  
*Seddera capensis* (E.Mey. ex Choisy) Hallier f.  
*Seddera species*  
*Seddera suffruticosa* (Schinz) Hallier f.  
*Selaginella dregei* (C.Presl) Hieron.  
*Senecio harveianus* MacOwan  
*Senecio inaequidens* DC.  
*Senecio sociorum* Bolus  
*Senecio species*  
*Senecio speciosus* Willd.  
*Senna italica* Mill.  
*Senna occidentalis* (L.) Link  
*Senna petersiana* (Bolle) Lock  
*Sericanthe andongensis* (Hiern) Robbrecht  
*Sericorema remotiflora* (Hook.f.) Lopr.  
*Sericorema sericea* (Schinz) Lopr.  
*Serruria stellata* Rourke  
*Sesamothamnus guerichii* (Engl.) E.A.Bruce  
*Sesamothamnus lugardii* N.E.Br. ex Stapf  
*Sesamum alatum* Thonn.  
*Sesamum species*  
*Sesamum triphyllum* Welw. ex Aschers  
*Sesbania bispinosa* (Jacq.) W. f. Wight  
*Sesbania sesban* (L.) Merr.  
*Setaria incrassata* (Hochst.) Hack.  
*Setaria sagittifolia* (A.Rich.) Walp.  
*Setaria species*  
*Setaria sphacelata* (Schumach.) Moss  
*Setaria ustilata* de Wit  
*Setaria verticillata* (L.) P.Beauv.  
*Sida alba* L.  
*Sida chrysantha* Ulbr.  
*Sida cordifolia* L.  
*Sida dregei* Burtt Davy  
*Sida ovata* Forssk.  
*Sida rhombifolia* L.  
*Sida species*  
*Solanecio species*  
*Solanum anguivi* Lam.  
*Solanum burchellii* Dunal  
*Solanum catombelense* Peyr.  
*Solanum coccineum* Jacq.  
*Solanum delagoense* Dunal  
*Solanum incanum* L.  
*Solanum kwebense* N.E.Br.  
*Solanum multiglandulosum* Bitter  
*Solanum nodiflorum* Jacq.  
*Solanum panduriforme* E.Mey.  
*Solanum species*



*Solanum tomentosum* L.  
*Sonchus oleraceus* L.  
*Sorghum bicolor* (L.) Moench  
*Sorghum versicolor* Andersson  
*Spermacoce senensis* (Klotzsch) Hiern  
*Sphaeranthus incisus* Robyns  
*Sphaeranthus peduncularis* DC.  
*Sphegamnocarpus pruriens* (Juss.) Szyszyl.  
*Spirostachys africana* Sond.  
*Sporobolus acinifolius* Stapf  
*Sporobolus africanus* (Poir.) Robyns & Tournay  
*Sporobolus consimilis* Fresen.  
*Sporobolus festivus* A.Rich.  
*Sporobolus fimbriatus* (Trin.) Nees  
*Sporobolus ioclados* (Trin.) Nees  
*Sporobolus nitens* Stent  
*Sporobolus panicoides* A.Rich.  
*Sporobolus pectinatus* Hack.  
*Sporobolus pyramidalis* P.Beauv.  
*Sporobolus salsus* Mez  
*Sporobolus* species  
*Sporobolus spicatus* (Vahl) Kunth  
*Sporobolus stapfianus* Gand.  
*Stachys hyssopoides* Burch. ex Benth.  
*Stadmannia oppositifolia* (Lam.) Poir.  
*Stapelia gigantea* N.E.Br.  
*Steganotaenia araliacea* Hochst.  
*Sterculia africana* (Lour.) Fiori  
*Sterculia rogersii* N.E.Br.  
*Stigmatorhynchus hereroensis* Schltr.  
*Stipagrostis hirtigluma* (Trin. & Rupr.) De Winter  
*Stipagrostis hirtigluma* (Trin. & Rupr.) De Winter  
    ssp. *hirtigluma*  
*Stipagrostis hirtigluma* (Trin. & Rupr.) De Winter  
    ssp. *patula* (Hack.) De Winter  
*Stipagrostis hirtigluma* (Trin. & Rupr.) De Winter  
    ssp. *pearsonii* (Henrard) De Winter  
*Stipagrostis hochstetteriana* (Beck ex Hack.)  
    De Winter  
*Stipagrostis uniplumis* (Licht.) De Winter  
*Stipagrostis uniplumis* (Licht.) De Winter  
    var. *uniplumis*  
*Stomatostemma monteiroae* (Oliv.) N.E.Br.  
*Streptopetalum serratum* Hochst.  
*Striga asiatica* (L.) Kuntze  
*Striga bilabiata* (Thunb.) Kuntze  
*Striga forbesii* Benth.  
*Striga gesnerioides* (Willd.) Vatke ex Engl.  
*Strychnos cocculoides* Baker  
*Strychnos decussata* (Pappe) Gilg  
*Strychnos madagascariensis* Poir.  
*Strychnos potatorum* L.f.  
*Strychnos pungens* Soler.  
*Strychnos spinosa* Lam.  
*Stylochiton natalensis* Schott  
*Stylosanthes fruticosa* (Retz.) Alston  
*Suaeda articulata* Aellen  
*Syzygium cordatum* Hochst.  
*Tabernaemontana elegans* Stapf  
*Tagetes minuta* L.  
*Talinum amotii* Hook.f.  
*Talinum caffrum* (Thunb.) Eckl. & Zeyh.  
*Talinum portulacifolium* (Forssk.) Asch. ex  
    Schweinf.  
*Talinum* species  
*Tapinanthus oleifolius* (J.C.Wendl.) Danser  
*Tarchonanthus camphoratus* L.  
*Tarenna* species  
*Tarenna zygoon* Bridson  
*Tavaresia barklyi* (Dyer) N.E.Br.  
*Teclea pilosa* (Engl.) I. Verd.  
*Tephrosia burchellii* Burt Davy  
*Tephrosia dregeana* E.Mey.  
*Tephrosia elongata* E. Mey.  
*Tephrosia longipes* Meisn.  
*Tephrosia lupinifolia* DC.  
*Tephrosia multijuga* R.G.N.Young  
*Tephrosia pietersii* H.M.L.Forbes  
*Tephrosia polystachya* E. Mey.  
*Tephrosia purpurea* (L.) Pers.  
*Tephrosia reptans* Bak.  
*Tephrosia rhodesica* Bak. f.  
*Tephrosia semiglabra* Sond.  
*Tephrosia* species  
*Tephrosia uniflora* Pers.  
*Tephrosia villosa* (L.) Pers.  
*Terminalia phanerophlebia* Engl. & Diels  
*Terminalia prunioides* M.A.Lawson  
*Terminalia sericea* Burch. ex DC.  
*Tetradenia riparia* (Hochst.) Codd  
*Tetragonia* species  
*Tetrapogon tenellus* (Roxb.) Chiov.  
*Thamnosma africana* Engl.  
*Themeda triandra* Forssk.  
*Thesium gypsophiloides* A.W.Hill  
*Thesium lineatum* L.f.  
*Thesium resedoides* A.W.Hill  
*Thesium utile* A.W.Hill  
*Thilachium africanum* Lour.  
*Thunbergia atriplicifolia* E.Mey. ex Nees  
*Thunbergia dregeana* Nees  
*Thunbergia neglecta* Sond.



*Tinnea rhodesiana* S.Moore  
*Tinospora fragosa* (I.Verd.) I.Verd. & Troupin  
*Trachyandra* species  
*Trachypogon spicatus* (L.f.) Kuntze  
*Tragia dioica* Sond.  
*Tragia glabrata* (Müll. Arg.) Pax & K. Hoffm.  
*Tragia incisifolia* Prain  
*Tragia okanyua* Pax  
*Tragia rupestris* Sond.  
*Tragia* species  
*Tragus berteronianus* Schult.  
*Tragus koelerioides* Asch.  
*Tragus racemosus* (L.) All.  
*Trema* species  
*Trianthema salsoloides* Fenzl ex Oliv.  
*Trianthema* species  
*Trianthema triquetra* Rottler ex Willd.  
*Triaspis hypericoides* (DC.) Burch.  
*Tribulus* species  
*Tribulus terrestris* L.  
*Tribulus zeyheri* Sond.  
*Tricalysia junodii* (Schinz) Brenan  
*Tricalysia* species  
*Trichilia emetica* Vahl  
*Tricholaena monachne* (Trin.) Stapf & C.E.Hubb.  
*Trichoneura grandiglumis* (Nees) Ekman  
*Tricliceras glanduliferum* (Klotzsch) R.Fern.  
*Tricliceras laceratum* (Oberm.) Oberm.  
*Tricliceras longipedunculatum* (Mast.) R. Fernandes  
*Tricliceras schinzii* (Urb.) R. Fernandes  
*Tripogon minimus* (A.Rich.) Steud.  
*Triraphis purpurea* Hack.  
*Triraphis ramosissima* Hack.  
*Triraphis schinzii* Hack.  
*Tritonia nelsonii* Baker  
*Triumfetta pentandra* A.Rich.  
*Triumfetta rhomboidea* Jacq.  
*Trochomeria macrocarpa* (Sond.) Hook. f.  
*Turraea nilotica* Kotschy & Peyr.  
*Turraea obtusifolia* Hochst.  
*Tylosema esculentum* (Burch.) A.Schreib.  
*Tylosema fassoglense* (Schweinf.) Torre & Hillc.  
*Urginea epigea* R.A.Dyer  
*Urginea sanguinea* Schinz  
*Urginea* species  
*Urochloa brachyura* (Hack.) Stapf  
*Urochloa mosambicensis* (Hack.) Dandy  
*Urochloa oligotricha* (Fig. & De Not.) Henrard  
*Urochloa panicoides* P.Beauv.  
*Urochloa* species  
*Urospermum picroides* (L.) Scop. ex F.W.Schmidt  
*Uvaria caffra* E.Mey. ex Sond.  
*Vahlia capensis* (L. f.) Thunb.  
*Vangueria infausta*  
*Vepris carringtoniana* Mendonca  
*Verbena bonariensis* L.  
*Vernonia cinerascens* Sch.Bip.  
*Vernonia cinerea* (L.) Less.  
*Vernonia colorata* (Willd.) Drake  
*Vernonia fastigiata* Oliv. & Hiern  
*Vernonia natalensis* Sch.Bip. ex Walp.  
*Vernonia oligocephala* (DC.) Sch.Bip. ex Walp.  
*Vernonia poskeana* Vatke & Hildebr.  
*Vernonia schlechteri* O.Hoffm.  
*Vernonia* species  
*Vernonia steetziana* Oliv. & Hiern  
*Veronica persica* Poir.  
*Vigna frutescens* A. Rich.  
*Vigna oblongifolia* A. Rich.  
*Vigna* species  
*Vigna unguiculata* (L.) Walp.  
*Vitellariopsis dispar* (N.E.Br.) Aubrev.  
*Vitex ferruginea*  
*Vitex* species  
*Waltheria indica* L.  
*Welwitschia mirabilis* Hook.f.  
*Welwitschia* species  
*Willkommia annua* Hack.  
*Willkommia sarmentosa* Hack.  
*Wissadula rostrata* (Schumach.) Hook.f.  
*Xanthium strumarium* L.  
*Xanthocercis zambesiaca* (Baker) Dumaz-le-Grand  
*Xeroderris stuhlmannii* (Taub.) Mendonca & E.C.Sousa  
*Xerophyta equisetoides* Bak.  
*Xerophyta humilis* (Baker) T.Durand & Schinz  
*Xerophyta retinervis* Baker  
*Xerophyta* species  
*Xerophyta squarrosa* Baker  
*Ximenia americana* L.  
*Ximenia caffra* Sond.  
*Xylia torreana* Brenan  
*Zanthoxylum capense* (Thunb.) Harv.  
*Zanthoxylum humile* (E.A.Bruce) P.G.Waterman  
*Ziziphus mucronata* Willd.  
*Zomia glochidiata* DC.  
*Zomia linearis* E.Mey.  
*Zomia* species