

Arabuko-Sokoke Forest Plant List

This list of plant species was compiled from various sources; mainly Robertson & Luke (1993) and Mutangah & Mwaura (1992), with some additional records from the database made by Robertson from the E A Herbarium in 1986. The Families (and Family Numbers) are arranged in the sequence used at EA. The list is not complete but probably lists over 80% of the higher plants. Certain families such as Vitaceae, Commelinaceae, Cyperaceae and Gramineae should be studied further, as well as the aquatic plants. Before publication this list should be annotated with a specimen cited for each species, and the plant form noted. A plant reference collection (site based herbarium) is being prepared for KEFRI Gede Forest Station, and all researchers who have collected plant vouchers should be encouraged to deposit a duplicate set of specimens there.

I would like to thank Dr I Gordon for providing a Word File, named PLANLIST, containing the original of this list which I put together in 1994, but subsequently lost from my computer, for the Arabuko-Sokoke Research and Monitoring Workshop held at Watamu, 20-21 July 1999. This is an edited version, called Arabuko-Sokoke Plant List (in Word 97).

Mrs S A Robertson, Box 162, Malindi. 23.7.99

Order Pteridophyta

Family Adiantaceae

Pellaea involuta

Family Davalliaceae

Davallia chaerophylloides

Family Polypodiaceae

Microgramma lycopodioides

Phymatosorus scolopendria

Order Gymnospermae

Family Zamiaceae

Encephalartos hildebrandtii var. *hildebrandtii*

Order Angiospermae

Dicotyledonae

Family Annonaceae (008)

Artabotrys modestus

Asteranthe asterias ssp. *asterias*

Monanthes faulknerae

Monanthes fornicata

Monodora grandidieri

Polyalthia stuhlmannii

Sphaerocoryne gracilis

Uvaria acuminata

Uvaria lucida ssp. *lucida*

Uvariadendron kirkii

Xylopiya arenaria

Xylopiya parviflora

Family Lauraceae (011)

Cassytha filiformis

Family Hernandiaceae (013)

Gyrocarpus americanus

Family Nymphaeaceae (018)

Nymphaea nouchali var. *caerulea*

Family Menispermaceae (023)

Cissampelos pareira var. *orbiculata*

Jateorhiza palmata

Tiliacora funifera

Tinospora oblongifolia

Family Capparaceae (036)

Boscia angustifolia var. *angustifolia*

Cadaba farinosa ssp. *farinosa*

Capparis fascicularis var. *scheffleri*

Capparis sepiaria

Capparis tomentosa

Capparis viminea var. *viminea*

Cladostemon kirkii

Cleome briquetii

Cleome usambarica

Maerua angolensis

Maerua kirkii

Maerua triphylla var. *calophylla*

Ritchiea capparoides

Thilachium thomasii

Family Violaceae (040)

Hybanthus enneaspermus var. *enneaspermus*

Rinorea ilicifolia var. *ilicifolia*

Rinorea squamosa ssp. *kaesneri*

Family Polygalaceae (042)

Carpolobia goetzei

Polygala kilimandjarica

Polygala liniflora

Polygala sansibarensis

Polygala sphenoptera

Family Crassulaceae (045)

Kalanchoe ballyi

Kalanchoe lateritia var. *prostrata*

Kalanchoe obtusa

Family Caryophyllaceae (053)

Polycarpaea grahamii

Family Aizoaceae (054)

Glinus oppositifolius

Family Polygonaceae (057)

Oxygonum salicifolium

- Family Chenopodiaceae (061)
Arthrocnemum indicum
Salicornia pachystachya
Suaeda monoica
- Family Amaranthaceae (063)
Aerva lanata
Alternanthera sessilis
Celosia hastata
Psilotrichum scleranthum
Pupalia lappacea
- Family Oxalidaceae (069)
Biophytum petersianum
- Family Lythraceae (072)
Nesaea radicans var. *floribunda*
- Family Sonneratiaceae (074)
Sonneratia alba
- Family Thymelaeaceae (081)
Gnidia latifolia
Synaptolepis kirkii
- Family Dilleniaceae (085)
Tetracera litoralis
- Family Flacourtiaceae (093)
Dovyalis hispidula
Dovyalis macrocalyx
Dovyalis sp. A of FTEA
Flacourtia indica
Ludia mauritiana
- Family Passifloraceae (101)
Adenia gummifera var. *gummifera*
Adenia kirkii
Schlechterina mitostemmatoides
- Family Cucurbitaceae (103)
Coccinia grandis
Momordica anigosantha
Momordica trifoliolata
Zehneria pallidinervia
- Family Ochnaceae (114)
Ochna holtzii
Ochna mossambicensis
Ochna thomasiana
- Family Myrtaceae (118)
Eugenia sp. Taxon F of KTSL

Family Melastomaceae (120)

Dissotis debilis var. *debilis*
Memecylon fragrans
Memecylon mouririifolium
Memecylon sansibaricum var. *melindense*
Memecylon sansibaricum var. *sansibaricum*

Family Combretaceae (121)

Combretum apiculatum var. *apiculatum*
Combretum falcatum (= *Quisqualis littorea*)
Combretum homaloides
Combretum illairii
Combretum schumannii
Lumitzera racemosa var. *racemosa*
Pteleopsis tetraptera
Terminalia boivinii
Terminalia sambesiaca
Terminalia spinosa

Family Rhizophoraceae (122)

Bruguiera gymnorhiza
Cassipourea euryoides
Rhizophora mucronata

Family Guttiferae (126)

Garcinia livingstonei
Vismia orientalis

Family Tiliaceae (128)

Carpodiptera africana
Grewia ectasicarpa
Grewia forbesii
Grewia holstii
Grewia plagiophylla
Grewia stulmannii
Grewia truncata
Grewia vaughanii
Triumfetta rhomboidea

Family Sterculiaceae (130)

Cola minor
Melhania velutina
Melochia corchorifolia
Nesogordonia holtzii
Waltheria indica

Family Bombacaceae (131)

Anansonia digitata
Bombax rhodognaphalon

Family Malvaceae (132)

Abutilon zanzibaricum
Gossypoides kirkii
Hibiscus cannabinus

Hibiscus faulknerae
Hibiscus micranthus
Hibiscus surattensis
Hibiscus tiliaceus
Pavonia leptocalyx
Thespesia danis
Thespesia populnea

Family Malpighiaceae (133)

Acridocarpus zanzibaricus
Triaspis mozambica

Family Erythroxylaceae (135)

Erythroxylum emarginatum
Nectaropetalum kaessneri var. *kaessneri*

Family Linaceae (135)

Hugonia castaneifolia

Family Euphorbiaceae (136)

Acalypha fruticosa
Acalypha neptunica var. *neptunica*
Acalypha neptunica var. *pubescens*
Antidesma venosum
Aristogeitonia monophylla
Bridelia cathartica
Croton pseudopulchellus
Cyathogyne bussei
Dalechampia scandens
Dalechampia trifoliata
Drypetes natalensis var. *leiogyna*
Drypetes parvifolia
Drypetes reticulata
Drypetes usambarica var. *mrirae*
Erythrococca kirkii
Euphorbia breviararticulata var. *breviararticulata*
Euphorbia candelabrum
Euphorbia nyikae var. *neovolkensii*
Flueggea virosa ssp. *virosa*
Jatropha prunifolia
Mallotus oppositifolius var. *oppositifolius*
Margaritaria discoidea
Meineckia fruticans var. *fruticans*
Micrococca mercurialis
Mildbraedia sp. A of FTEA
Oldfieldia somalensis
Phyllanthus kaessneri var. *polycytotrichus*
Phyllanthus leucocalyx
Phyllanthus reticulatus var. *glaber*
Phyllanthus welwitschianus var. *beillei*
Suregada zanzibariensis
Synadenium pereskiaefolium
Tragia furialis

Family Dichapetalaceae (144)

Dichapetalum fadenii
Dichapetalum madagascariense var. *madagascariense*
Dichapetalum zenkeri

Family Leguminosae

Sub Family Caesalpinaceae (146)

Afzelia quanzensis
Brachystegia spiciformis
Caesalpinia bonduc
Caesalpinia trothae
Caesalpinia insolita
Cassia afrodistula var. *afrodistula*
Chamaecrista fallacina
Chamaecrista telfairiana
Cynometra suaheliensis
Cynometra webberi
Dialium orientale
Hymenaea verrucosa
Julbernardia magnistipulata
Paramacrolobium coeruleum
Tamarindus indica

Sub Family Mimosaceae (147)

Acacia adenocalyx
Acacia nilotica ssp. *leiocarpa*
Acacia robusta ssp. *usambarensis*
Dichrostachys cinerea
Mimosa pigra
Neptunia oleracea

Sub Family Papilionaceae (148)

Abrus precatorius ssp. *africanus*
Canavalia rosea
Clitoria ternatea
Craibia bevicaudata ssp. *brevicaudata*
Crotalaria axillaris
Crotalaria grata
Crotalaria retusa
Crotalaria vasculosa
Dalbergia melanoxydon
Dalbergia vacciniifolia
Erythrina salueuxii
Indigofera kirkii
Indigofera longiracemosa
Indigofera strobilifera
Indigofera vohemarensis
Indigofera wituensis
Lablab purpureus ssp. *brevicaudata*
Lonchocarpus bussei
Microcharis latifolia
Mundulea sericea
Ormocarpum sennoides ssp. *zanzibaricum*
Pseudovigna argentea

Rhynchosia congensis ssp. *orientalis*
Rhynchosia viscosa ssp. *viscosa*
Sesbania bispinosa
Stylosanthes fruticosa
Tephrosia noctiflora
Tephrosia pumila var. *aldabrensis*
Tephrosia purpurea ssp. *leptostachya*
Tephrosia subtriflora
Tephrosia villosa ssp. *ehrenbergiana*
Vigna membranacea ssp. *hapalantha*
Zornia apiculata
Zornia capensis ssp. *tropica*
Zornia glochidiata

Family Buxaceae (154)

Buxus obtusifolia

Family Moraceae (167)

Dorstenia barnimiana var. *nov*
Dorstenia hildebrandtii var. *hildebrandtii* form b of FTEA~
Ficus bubu
Ficus lingua ssp. *depauperata*
Ficus sansibarica ssp. *sansibarica*
Ficus scassellatii
Ficus tremula ssp. *tremula*
Streblus usambarensis

Family Celastraceae (173)

Elaeodendron schweinfurthianum
Maytenus mossambicensis
Maytenus undata
Mystroxydon aethiopicum
Pleurostyliya africana

Family Hippocrateaceae (173)

Elachyptera sp.
Loeseneriella africana
Pristimera andongensis var. *volkensii*
Salacia elegans
Salacia erecta
Salacia madagascariensis
Salacia stuhlmanniana
Simirestris scheffleri

Family Icacinaceae (179)

Apodytes dimidiata
Pyrenacantha kaurabassana

Family Salvadoraceae (180)

Azima tetracantha
Dobera loranthifolia
Salvadora persica var. *cyclophylla*

Family Olacaceae (182)

Ximenia americana var. *caffra*

Family Opiliaceae (183)

Opilia amentacea

Pentarhopalopilia umbellulata

Family Loranthaceae (185)

Emelianthe panganensis

Erianthemum dregei ssp. *sodenii*

Spragueanella rhamnifolia (= *Oncocalyx rhamnifolius*)

Agelanthus scassellatii (= *Tapinanthus aurantiacus*)

Agelanthus kayseri (= *Tapinanthus kayseri*)

Taxillus wiensii

Family Viscaceae (185)

Viscum triflorum

Family Rhamnaceae (190)

Colubrina asiatica

Lasiodiscus mildbraedii ssp. *ferrugineus*

Lasiodiscus pervillei

Ziziphus mauritiana

Ziziphus mucronata ssp. *mucronata*

Family Vitaceae (193)

Cissus aralioides

Cissus integrifolia

Cissus quadrangularis

Cissus rotundifolia

Cissus sp. I of FTEA

Cissus sylvicola

Cyphostemma duparquetii

Cyphostemma hildebrandtii

Cyphostemma kirkianum

Cyphostemma zimmermannii

Rhoicissus revoilii

Family Rutaceae (194)

Clausena anisata

Teclea trichocarpa

Toddaliopsis sansibarensis

Zanthoxylum chalybeum var. *chalybeum*

Family Balanitaceae (195)

Balanites wilsoniana

Family Simaroubaceae (195)

Harrisonia abyssinica

Family Meliaceae (196)

Melia volkensii

Turraea floribunda

Turraea mombassana ssp. *mombassana*

Turraea wakefieldii

Family Sapindaceae (198)

Allophylus pervillei
Allophylus rubifolius var. *alnifolius*
Deinbollia borbonica
Haplocoelum inoploeum
Lecaniodiscus fraxinifolius ssp. *scassellatii*
Lecaniodiscus fraxinifolius spp. *vaughanii*
Pancovia golungensis

Family Anacardiaceae (205)

Lannea schweinfurthii var. *acutifoliolata*
Lannea schweinfurthii var. *stuhlmannii*
Ozoroa obovata
Rhus natalensis

Family Connaraceae (206)

Ellipanthus hemandradenioides
Rourea coccinea ssp. *boivinianus*

Family Araliaceae (212)

Cussonia zimmermannii

Family Ebenaceae (221)

Diospyros abyssinica ssp. *abyssinica*
Diospyros consolatae
Diospyros cornii
Diospyros natalensis
Diospyros squarrosa
Euclea natalensis ssp. *obovata*

Family Sapotaceae (222)

Manilkara sansibarensis
Manilkara sulcata
Mimusops obtusifolia
Sideroxylon inerme ssp. *diospyroides*
Vitellariopsis kirkii

Family Loganiaceae (228)

Mostuea brunonis var. *obcordata*
Strychnos decussata
Strychnos henningsii
Strychnos madagascariensis
Strychnos panganensis
Strychnos xylophylla

Family Oleaceae (229)

Jasminum punctulatum
Jasminum streptopus

Family Apocynaceae (230)

Adenium obesum
Ancylobotrys petersiana
Ancylobotrys tayloris

Baijsea myrtifolia
Carissa tetramera
Hunteria zeylanica var. *africana*
Landolphia kirkii
Strophanthus kombe
Tabernaemontana elegans

Family Asclepiadaceae (231)

Ceropegia nilotica
Ceropegia seticorona var. *dilatiloba*
Ceropegia sp. = *radad* of Archer
Cryptolepis apiculata
Cryptolepis hypoglauca
Cynanchum gerrardii
Dregea rubicunda
Gymnema sylvestre
Parquetina nigrescens
Pentstemon nivalis
Sarcostemma viminalis
Secamone parvifolia
Secamone retusa
Tylophora sp. aff. *tenuipedunculata*

Family Rubiaceae (232)

Agathisanthemum bojeri
Canthium kilifiensis
Canthium mombazense
Canthium pseudoverticillatum ssp. *pseudoverticillatum*
Catunaregam nilotica
Chassalia umbraticola ssp. *umbraticola*
Chazaliella abrupta var. *abrupta*
Coffea sessiliflora ssp. *sessiliflora*
Cremaspora triflora ssp. *confluens*
Diodia aulacosperma var. *aulacosperma*
Gardenia transvenulosa
Gardinia volkensii ssp. *volkensii*
Heinsia crinita ssp. *parvifolia*
Hymenodictyon parvifolium ssp. *parvifolium*
Keetia zanzibarica ssp. *zanzibarica*
Kohautia caespitosa var. *amaniensis*
Kohautia virgata
Lamprothamnus zanzebaricus
Meyna tetraphylla ssp. *comorensis*
Oldenlandia affinis ssp. *fugax*
Oldenlandia corymbosa
Oldenlandia herbacea var. *papillosa*
Oldenlandia johnstonii ssp. A of FTEA
Oxyanthus zanzebaricus
Pachystigma loranthifolium ssp. *loranthifolium*
Pavetta crebrifolia var. *crebrifolia*
Pavetta stenosepala ssp. *stenosepala*
Pavetta uniflora
Pentas bussei
Pentas parvifolia forma *parvifolia*

Pentodon pentandrus
Polysphaeria multiflora ssp. *pubescens*
Polysphaeria parvifolia
Psychotria amboniana var. *amboniana*
Psychotria amboniana var. *velutina*
Psychotria punctata var. *punctata*
Psychotria punctata var. *tenuis*
Psydrax faulknearae
Psydrax polhillii
Psydrax recurvifolia
Psydrax schimperiana ssp. *schimperiana*
Pyrostria bibracteata
Pyrostria phyllanthoidea
Rothmannia macrosiphon
Rytigynia celastroides
Rytigynia mrimaensis
Spermacoce filituba
Tarenna graveolens var. *graveolens*
Tarenna nigrescens
Tarenna supra-axillaris ssp. *supra-axillaris*
Tricalysia ovalifolia var. *ovalifolia*
Tricalysia ovalifolia var. *taylorii*
Vangueria randii ssp. *acuminata*

Family Compositae (238)

Achyrothalamus marginatus
Ageratum conyzoides
Brachylaena huillensis
Gutenbergia pembensis
Gynura colorata
Gynura scandens
Kleinia abyssinica var. *hildebrandtii*
Pluchea sordida
Solanecio angulatus
Vernonia homilantha
Vernonia zanzibarensis

Family Gentianaceae (239)

Enicostema axillare ssp. *axillare*

Family Plumbaginaceae (241)

Plumbago stenophylla

Family Lobeliaceae (244)

Lobelia fervens ssp. *fervens*

Family Boraginaceae (249)

Boussieria petiolaris
Cordia subcordata
Ethretia bakeri
Heliotropium gorinii
Heliotropium steudneri

Family Solanaceae (250)

Solanum macrocarpon ssp. *dasyphyllum*

Solanum zanzibarense

Family Convolvulaceae (251)

Evolvulus alsinoides

Ipomoea aquatica

Ipomoea coptica var. *acuta*

Ipomoea garckeana

Ipomoea involucrata

Ipomoea irwiniae

Ipomoea macrantha

Ipomoea obscura var. *obscura*

Ipomoea pes-caprae ssp. *brasiliensis*

Ipomoea shupangensis

Ipomoea ticcopa

Ipomoea urbaniana

Merremia tridentata

Family Scrophulariaceae (252)

Buchnera leptostachya

Lindernia oliveriana

Striga gesnerioides

Torenia thouarsii

Family Lentibulariaceae (254)

Utricularia arenaria

Utricularia inflexa var. *inflexa*

Family Bignoniaceae (257)

Kigelia africana

Markhamia zanzibarica

Family Acanthaceae (259)

Asystasia anellioides

Asystasia gangetica

Barleria repens

Blepharis maderaspatensis

Crossandra pungens

Ecbolium amplexicaule

Elytraria minor

Hygrophila auriculata

Hypoestes forskaolei

Justicia brevipila

Justicia capensis

Justicia exigua

Justicia flava

Justicia inaequiifolia

Lankesteria alba

Monotheций aristatum

Phaulopsis gediensis

Ruellia patula

Sclerohiton vogelii ssp. *holstii*

Trichaulax mwasumbii

Family Verbenaceae (263)

Avicennia marina
Clerodendrum acerbianum
Clerodendrum cephalanthum ssp. *cephalanthum*
Clerodendrum glabrum var. *glabrum*
Clerodendrum incisum
Clerodendrum robustum var. *fischeri*
Lantana viburnoides
Phyla nodiflora
Premna chrysoclada
Premna resinosa ssp. *holstii*
Vitex ferruginea ssp. *amboniensis* var. *amboniensis*
Vitex strickeri

Family Labiatae (264)

Aeollanthus zanzibaricus
Becium filamentosum
Endostemon gracilis
Hoslundia opposita
Leucas tsavoensis var. *kilifiensis*
Ocimum gratissimum var. *gratissimum*
Plectranthus amboinicus
Plectranthus flaccidus
Plectranthus longipes
Plectranthus tenuiflorus
Plectranthus tetensis
Tinnea aethiopica ssp. *litoralis*
Tinnea aethiopica ssp. *stolzii*

Monocotyledonae

Family Hydrocharitaceae (266)

Lagerosiphon cordofanus

Family Commelinaceae (280)

Aneilema aequinoctiale
Aneilema clarkei
Aneilema petersii ssp. *perersii*
Aneilema succulentum
Commelina bracteosa
Commelina spp. (need collecting)
Cyanotis foecunda
Cyanotis sp. nov.
Murdannia simplex
Murdannia sp.

Family Flagellariaceae (281)

Flagellaria guineensis

Family Xyridaceae (283)

Xyris capensis var. *medullosa*

Family Asparagaceae (293)

Asparagus africanus
Asparagus falcatus

Asparagus humilis
Asparagus racemosus
Asparagus setaceus

Family Asphodelaceae (293)

Aloe rabaiensis
Anthericum pterocaulon var. *orchideum* form *giryamae*
Anthericum suffruticosum
Chlorophytum heynei
Chlorophytum laxum

Family Colchicaceae (293)

Gloriosa superba

Family Hyacinthaceae (293)

Drimia altissima
Drimia macrocarpa

Family Araceae (302)

Amorphophallus maximus
Gonatopus boivinii
Gonatopus marattioides
Gonatopus petiolulatus
Stylochaeton salaamicus
Zamioculcas zamiifolia

Family Lemnaceae (303)

Lemna aequinoctialis

Family Amaryllidaceae (306)

Crinum stuhlmannii
Scadoxus multiflorus ssp. *multiflorus*

Family Dioscoriaceae (311)

Dioscorea asteriscus

Family Dracaenaceae (313)

Sansevieria arborescens
Sansevieria conspicua
Sansevieria gracilis
Sansevieria kirkii

Family Palmae (314)

Hyphaene coriacea

Family Orchidaceae (326)

Aerangis kirkii
Bulbophyllum maximum
Bulbophyllum scaberulum
Cyrtorchis arcuata
Habenaria trilobulata
Microcoelia smithii
Polystachya tessellata
Solenangis aphylla

Solenangis wakefieldii
Tridactyle bicaudata
Vanilla roscheri

Family Cyperaceae (331)

Bulbostylis boeckleriana
Cyperus amabilis
Cyperus cuspidatus
Cyperus niveus var. *leucocephalus*
Cyperus zollingeri var. *zollingeri*
Fimbristylis cymosa
Fimbristylis sp. nr. *polytrichoides*
Mariscus diurensis
Mariscus luteus
Mariscus macropus
Mariscus pseudo-vestitus
Pycnus hildebrandtii
Pycnus polystachyus

Family Gramineae (332)

Aristida stenostachya
Axonopus compressus
Brachiaria chusqueoides
Brachiaria deflexa
Brachiaria lindiensis
Dactyloctenium aegyptium
Digitaria argyrotricha
Digitaria milanjana
Echinochloa haploclada
Eleusine indica
Enteropogon sechellensis
Eragrostis ciliaris
Harpachne schimperii
Megastachya mucronata
Oryza eichingeri
Panicum brevifolium
Panicum laticomum
Panicum maximum
Pennisetum polystachion ssp. *polystachion*
Perotis hildebrandtii
Sacciolepis curvata
Schoenfeldia transiens
Sporobolus pyramidalis
Sporobolus stolzii
Urochloa trichopus

Ends..