

Threatened plants species of Guinea-Conakry: A preliminary checklist

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Abstract

Guinea-Conakry has one of the highest plant diversities in Sub-Saharan West Africa and is part of the Upper Guinean Forest ecoregion and the Guinean Forests of West Africa biodiversity hotspot. Guinea is a major supplier of the world's bauxite and has significant reserves of high grade iron ore, it also has small reserves of diamonds, gold and uranium. As a result large areas of open cast mining exist in the country and pressure on habitats and vegetation are increasing with the need to bring revenue into the country; this is in addition to unsustainable slash and burn agriculture and a growing population.

An initial list of 482 species was compiled from Lisowski's *Flore (Angiospermes) de la République de Guinée*, subsequent discussion and screening reduced the list to 253. This list has since increased, through new species and range extensions, to 270 which is presented here. It is estimated that c. 7-8% of the country's flora is threatened. Rediscoveries and new species are being made in Guinea, but they are often already threatened having been discovered as part of Environmental Impact Assessments (EIAs). A comprehensive red list of threatened species is much needed to support the country's environmental policy as well as their international obligations. Data gathering for a Red Data Book for Guinea has been ongoing for several years and is due to be published in 2019.

Introduction

Guinea-Conakry has one of the highest plant diversities in Sub-Saharan West Africa and is part of the Upper Guinean Forest ecoregion (Burgess et al, 2004; WWF, 2000) and the Guinean Forests of West Africa biodiversity hotspot (CEPF, 2015). This diversity is due in part to the highland ranges of the Fouta Djallon and Loma-Man and Nimba mountains. These high altitude forests and grasslands have resulted in endemic species and interesting distribution patterns. There are large areas of lowland forest in Guinée Forestière (Forest Guinea), and some areas in Guinée Maritime (Coastal Guinea) though most of these forests are highly fragmented and small (less than 1 km²), the largest intact area is found around the Kounounkan massif in Forécariah Prefecture.

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Through funding from the Darwin Initiative and GBIF (EU BID grant) the Royal Botanic Gardens Kew and the National Herbarium of Guinea (HNG) are working together with the Government of Guinea and NGOs to establish a list of threatened plant species, a Red List, for Guinea which will assist in updating the Monographie Nationale (National Biodiversity Action Plan). This is needed to support the country's environmental policy as well as their international obligations.

In March 2019 over 100 new conservation assessments were reviewed and submitted to the IUCN Red List. This list has been updated as a precursor to the publication of the Red Data Book of Guinean Plants which is due to be published in 2019.

Methodology

A list of species was compiled from on the Flore (Angiospermes) de la République de Guinée (Lisowski, 2009) and the Flora of West Tropical Africa (REF needed) and new species discoveries made in the interim years. There have been over 20 new species described since 2005 from Guinea and more are in the pipeline, many of which are likely to be threatened due to their restricted range.

At the Darwin Initiative funded Important Plant Areas of Guinea project inception workshop we presented a draft list of 482 threatened species which was discussed and edited with the project partners. This list was then screened against specimens that were available at Kew and other online herbaria to see what data was available. A threshold of c. 20 specimens and few localities was used to determine if the species would likely be assessed as threatened. Species with many more than 20 specimens and many localities were deprioritised. This reduced the initial list to 253 species. However, with fieldwork over the course of the three year Important Plant Areas of Guinea project, and previous fieldwork since 2005 as part of EIAs, the total has now increased 270 species. These species have been assessed using the IUCN Red List Categories and Criteria: Version 3.1 and are stored on the IUCN Species Information Service (SIS), they will be reviewed and published on the IUCN Red List website (<https://www.iucnredlist.org/>) in the coming months. All species were assessed at a global level.

Results

Currently the preliminary list contains 270 threatened species, presented here. We estimate that there are over 4000 species of plant in Guinea, this suggests that c.7-8% of plants species will be classified as threatened. A total of 71 species have been published on the IUCN Red List website for Guinean plants as of 3rd March 2019 with a further 97 due to be released in July. In February 2019 over 100 new conservation assessments were reviewed and submitted, with over 100 more awaiting review. These will be published in the subsequent IUCN Red List updates. The current checklist presented in the table below gives the threat category where already published (in red) or awaiting review/ publication (in black). There are a number of widespread timber species that were assessed under the previous 1998 IUCN guidelines, these assessments need updating; they have been included in the list for completeness.

Discussion

Many endemic species have a lack of collection data since relatively little broad scale botanical exploration had been carried out in Guinea since the 1960s and 1970s by Schnell and Lisowski.

Recent fieldwork in 2016 resulted in a number of rediscoveries. *Caillella praerupticola* a monotypic genus in the Melastomataceae was previously only known from the type specimen collected by Henri Jacques-Félix in 1937 on cliffs of the Massif de Benna. Xander van der Burgt and his team rediscovered a population of c. 100 plants in October 2016 in a similar area. Also originally collected in the Benna Massif in 1956, *Diospyros feliciana* another endemic, was rediscovered in a lowland forest patch in the Coyah hills and subsequently a larger population found in the Kounounkan forest; the largest surviving lowland forest in Coastal Guinea. In the Fouta Djallon, A large population of the endemic *Vernonia djalensis* (Compositae) was found on the Diaguissa plateau; unfortunately this population is under threat from a new housing development and a granite crushing plant (for road construction). Initially assessed as endangered (EN), the threat level of *V. djalensis* has increased to critically endangered (CR) as only one of the previous three locations survives and the immediate threats to this population. Newly discovered species are often already under threat, many having been found as a result of Environmental Impact Assessments (EIA) for mining and infrastructure projects. Therefore producing a list of threatened plant species for Guinea is of great importance not just for the botanical community, but also for the Government of Guinea to improve their environmental governance.

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Preliminary List of Threatened species for the Republic of Guinea.

Assessments: categories in **red** have been published, categories in black are awaiting review or publication.

CR: Critically Endangered, EN: Endangered, VU: Vulnerable, (PE): Possibly Extinct

Family	Genus	Species	Sub species	IUCN status
Acanthaceae	<i>Anisotes</i>	<i>guineensis</i>		EN
Acanthaceae	<i>Barleria</i>	<i>asterotracha</i>		CR
Acanthaceae	<i>Barleria</i>	<i>maclaudii</i>		EN
Acanthaceae	<i>Brachystephanus</i>	<i>jaundensis</i>	<i>nimbae</i>	VU
Acanthaceae	<i>Brachystephanus</i>	<i>oreacanthus</i>		VU
Acanthaceae	<i>Heteradelphia</i>	<i>paulojaegeri</i>		EN
Acanthaceae	<i>Isoglossa</i>	<i>dispersa</i>		VU
Acanthaceae	<i>Justicia</i>	<i>jamisonii</i>		EN
Acanthaceae	<i>Lepidagathis</i>	<i>chevalieri</i>		VU
Acanthaceae	<i>Lepidagathis</i>	<i>epacridea</i>		EN
Acanthaceae	<i>Satanocrater</i>	<i>fellatensis</i>		VU
Amaranthaceae	<i>Cyathula</i>	<i>pobeguinii</i>		VU
Annonaceae	<i>Xylopia</i>	<i>elliottii</i>		VU
Apocynaceae	<i>Ceropegia</i>	<i>bracteolata</i>		EN
Apocynaceae	<i>Ceropegia</i>	<i>porphyrotricha</i>		VU
Apocynaceae	<i>Ceropegia</i>	<i>rhnachantha</i>		VU
Apocynaceae	<i>Landolphia</i>	<i>macrantha</i>		VU
Apocynaceae	<i>Marsdenia</i>	<i>exellii</i>		EN
Apocynaceae	<i>Pleioceras</i>	<i>afzelii</i>		EN
Apocynaceae	<i>Raphionacme</i>	<i>caerulea</i>		EN
Apocynaceae	<i>Xysmalobium</i>	<i>samoritourei</i>		EN
Araceae	<i>Amorphophallus</i>	<i>abyssinicus</i>		VU
Araceae	<i>Anubias</i>	<i>gracilis</i>		VU
Araceae	<i>Stylochaeton</i>	<i>pilosus</i>		EN
Asparagaceae	<i>Chlorophytum</i>	<i>immaculatum</i>		VU
Asparagaceae	<i>Dracaena</i>	<i>calocephala</i>		VU
Asparagaceae	<i>Drimia</i>	<i>sudanica</i>		EN
Balsaminaceae	<i>Impatiens</i>	<i>bennae</i>		EN
Balsaminaceae	<i>Impatiens</i>	<i>nzoana</i>		EN
Begoniaceae	<i>Begonia</i>	<i>quadrialata</i>	<i>nimbaensis</i>	EN
Bromeliaceae	<i>Pitcairnia</i>	<i>feliciana</i>		EN
Burmanniaceae	<i>Gymnosiphon</i>	<i>bekensis</i>		VU
Burmanniaceae	<i>Gymnosiphon</i>	<i>samoritoureanus</i>		EN
Calophyllaceae	<i>Calophyllum</i>	<i>africanum</i>		CR
Capparaceae	<i>Ritchiea</i>	<i>afzelii</i>		CR(PE)
Caryophyllaceae	<i>Polycarpaea</i>	<i>pobeguinii</i>		EN
Celastraceae	<i>Salacighia</i>	<i>linderi</i>		VU
Chrysobalanaceae	<i>Bafodeya</i>	<i>benna</i>		VU
Chrysobalanaceae	<i>Dactyladenia</i>	<i>smeathmannii</i>		EN

Family	Genus	Species	Sub species	IUCN status
Clusiaceae	<i>Garcinia</i>	<i>afzelii</i>		VU
Clusiaceae	<i>Garcinia</i>	<i>epunctata</i>		VU
Clusiaceae	<i>Garcinia</i>	<i>kola</i>		VU
Combretaceae	<i>Combretum</i>	<i>fulvum</i>		EN
Combretaceae	<i>Terminalia</i>	<i>ivorensis</i>		VU
Commelinaceae	<i>Cyanotis</i>	<i>ganganensis</i>		EN
Commelinaceae	<i>Cyanotis</i>	<i>lourensis</i>		EN
Commelinaceae	<i>Cyanotis</i>	<i>scaberula</i>		EN
Compositae	<i>Aspilia</i>	<i>chevalieri</i>		EN
Compositae	<i>Aspilia</i>	<i>lisowskiana</i>		VU
Compositae	<i>Bidens</i>	<i>occidentalis</i>		VU
Compositae	<i>Bothriocline</i>	<i>fruticosa</i>		EN
Compositae	<i>Echinops</i>	<i>guineensis</i>		EN
Compositae	<i>Emilia</i>	<i>djalonensis</i>		CR(PE)
Compositae	<i>Lactuca</i>	<i>praevia</i>		VU
Compositae	<i>Lipotriche</i>	<i>felicis</i>		CR
Compositae	<i>Lipotriche</i>	<i>tithonioides</i>		EN
Compositae	<i>Microglossa</i>	<i>caudata</i>		CR(PE)
Compositae	<i>Mikaniopsis</i>	<i>camarae</i>		CR
Compositae	<i>Mikaniopsis</i>	<i>tedliei</i>		VU
Compositae	<i>Vernonia</i>	<i>djalonensis</i>		CR
Compositae	<i>Vernonia</i>	<i>nimbaensis</i>		EN
Cyperaceae	<i>Bulbostylis</i>	<i>bodardii</i>		EN
Cyperaceae	<i>Bulbostylis</i>	<i>guineensis</i>		EN
Cyperaceae	<i>Cyperus</i>	<i>felicis</i>		EN
Cyperaceae	<i>Hypolytrum</i>	<i>cacuminum</i>		EN
Cyperaceae	<i>Nemum</i>	<i>bulbostyloides</i>		VU
Cyperaceae	<i>Scleria</i>	<i>guineensis</i>		CR
Ebenaceae	<i>Diospyros</i>	<i>feliciana</i>		EN
Eriocaulaceae	<i>Eriocaulon</i>	<i>cryptocephalum</i>		VU
Eriocaulaceae	<i>Eriocaulon</i>	<i>irregulare</i>		EN
Eriocaulaceae	<i>Eriocaulon</i>	<i>sessile</i>		VU
Eriocaulaceae	<i>Eriocaulon</i>	<i>sulanum</i>		CR
Eriocaulaceae	<i>Eriocaulon</i>	<i>tingilomum</i>		EN
Eriocaulaceae	<i>Mesanthemum</i>	<i>albidum</i>		VU
Eriocaulaceae	<i>Mesanthemum</i>	<i>bennae</i>		EN
Eriocaulaceae	<i>Mesanthemum</i>	<i>tuberosum</i>		VU
Euphorbiaceae	<i>Acalypha</i>	<i>guineensis</i>		VU
Euphorbiaceae	<i>Amanoa</i>	<i>bracteosa</i>		VU
Euphorbiaceae	<i>Apodiscus</i>	<i>chevalieri</i>		EN
Euphorbiaceae	<i>Drypetes</i>	<i>afzelii</i>		VU
Euphorbiaceae	<i>Microstachys</i>	<i>faradianensis</i>		EN
Euphorbiaceae	<i>Phyllanthus</i>	<i>felicis</i>		CR(PE)
Euphorbiaceae	<i>Phyllanthus</i>	<i>profusus</i>		VU

Family	Genus	Species	Sub species	IUCN status
Euphorbiaceae	<i>Shirakiopsis</i>	<i>aubrevillei</i>		VU
Iridaceae	<i>Gladiolus</i>	<i>chevalieranus</i>		EN
Iridaceae	<i>Gladiolus</i>	<i>mariae sp.nov.</i>		CR?
Iridaceae	<i>Gladiolus</i>	<i>praecostatus</i>		VU
Lamiaceae	<i>Clerodendrum</i>	<i>sylvae</i>		EN
Lamiaceae	<i>Coleus</i> (<i>Plectranthus</i>)	<i>sp. nov.</i>		CR
Lamiaceae	<i>Leocus</i>	<i>pobeguinii</i>		VU
Lamiaceae	<i>Plectranthus</i>	<i>linearifolius</i>		EN
Lauraceae	<i>Beilschmiedia</i>	<i>djalonensis</i>		EN
Lecythidaceae	<i>Napoleonaea</i>	<i>alata</i>		EN
Leguminosae- Caesalpinioideae	<i>Afzelia</i>	<i>africana</i>		VU
Leguminosae- Caesalpinioideae	<i>Cassia</i>	<i>aubrevillei</i>		VU
Leguminosae- Caesalpinioideae	<i>Cassia</i>	<i>fikifiki</i>		EN
Leguminosae- Caesalpinioideae	<i>Copaifera</i>	<i>salikounda</i>		VU
Leguminosae- Caesalpinioideae	<i>Cryptosepalum</i>	<i>tetraphyllum</i>		VU
Leguminosae- Caesalpinioideae	<i>Dialium</i>	<i>pobeguunii</i>		VU
Leguminosae- Caesalpinioideae	<i>Gilbertiodendron</i>	<i>aylmeri</i>		VU
Leguminosae- Caesalpinioideae	<i>Gilbertiodendron</i>	<i>bilineatum</i>		VU
Leguminosae- Caesalpinioideae	<i>Gilbertiodendron</i>	<i>tonkolili</i>		EN
Leguminosae- Caesalpinioideae	<i>Talbotiella</i>	<i>cheekii</i>		EN
Leguminosae- Caesalpinioideae	<i>Tessmannia</i>	<i>baikieoides</i>		VU
Leguminosae- Mimosoideae	<i>Albizia</i>	<i>ferruginea</i>		VU
Leguminosae- Mimosoideae	<i>Pseudoprosopis</i>	<i>bampsiana</i>		VU
Leguminosae- Papilionoideae	<i>Baphia</i>	<i>heudelotiana</i>		VU
Leguminosae- Papilionoideae	<i>Bryaspis</i>	<i>humularioides</i>		EN
Leguminosae- Papilionoideae	<i>Dalbergia</i>	<i>adamii</i>		VU
Leguminosae- Papilionoideae	<i>Droogmansia</i>	<i>chevalieri</i>		EN
Leguminosae- Papilionoideae	<i>Droogmansia</i>	<i>montana</i>		EN

Family	Genus	Species	Sub species	IUCN status
Leguminosae-Papilionoideae	<i>Eriosema</i>	<i>adamii</i>		CR
Leguminosae-Papilionoideae	<i>Eriosema</i>	<i>arenicola</i>		VU
Leguminosae-Papilionoideae	<i>Eriosema</i>	<i>latericola</i>		EN
Leguminosae-Papilionoideae	<i>Eriosema</i>	<i>triformum</i>		EN
Leguminosae-Papilionoideae	<i>Indigofera</i>	<i>megacephala</i>		VU
Leguminosae-Papilionoideae	<i>Indigofera</i>	<i>pobeguinii</i>		CR(PE)
Leguminosae-Papilionoideae	<i>Indigofera</i>	<i>scarciesii</i>		EN
Leguminosae-Papilionoideae	<i>Kotschya</i>	<i>lutea</i>		VU
Leguminosae-Papilionoideae	<i>Kotschya</i>	<i>micrantha</i>		VU
Leguminosae-Papilionoideae	<i>Kotschya</i>	<i>uniflora</i>		EN
Leguminosae-Papilionoideae	<i>Millettia</i>	<i>warneckeii</i>		VU
Leguminosae-Papilionoideae	<i>Pericopsis</i>	<i>elata</i>		EN
Leguminosae-Papilionoideae	<i>Pterocarpus</i>	<i>erinaceus</i>		EN
Leguminosae-Papilionoideae	<i>Rhynchosia</i>	<i>chevalieri</i>		EN
Leguminosae-Papilionoideae	<i>Tephrosia</i>	<i>djalonica</i>		CR(PE)
Lentibulariaceae	<i>Genlisea</i>	<i>barthlottii</i>		VU
Lentibulariaceae	<i>Utricularia</i>	<i>macrocheilos</i>		VU
Lentibulariaceae	<i>Utricularia</i>	<i>pobeguunii</i>		EN
Lentibulariaceae	<i>Utricularia</i>	<i>tetraloba</i>		VU
Loganiaceae	<i>Mostuea</i>	<i>adamii</i>		EN
Loganiaceae	<i>Strychnos</i>	<i>melastomatoides</i>		VU
Loranthaceae	<i>Agelanthus</i>	<i>guineensis</i>		CR(PE)
Malpighiaceae	<i>Acridocarpus</i>	<i>spectabilis</i>		VU
Malvaceae	<i>Hibiscus</i>	<i>fabiana</i>		VU
Malvalceae (Sterculiaceae)	<i>Cola</i>	<i>angustifolia</i>		EN
Malvalceae (Sterculiaceae)	<i>Cola</i>	<i>attiensis</i>		EN
Malvalceae (Sterculiaceae)	<i>Cola</i>	<i>lorougnonis</i>		CR
Malvalceae (Sterculiaceae)	<i>Cola</i>	<i>reticulata</i>		VU

Family	Genus	Species	Sub species	IUCN status
Malvalceae (Sterculiaceae)	<i>Heritiera (Tarrietia)</i>	<i>utilis</i>		VU
Melastomataceae	<i>Cailliella</i>	<i>praerupticola</i>		EN
Melastomataceae	<i>Cinnobotrys</i>	<i>felicis</i>		EN
Melastomataceae	<i>Dichaetanthera</i>	<i>echinulata</i>		EN
Melastomataceae	<i>Dissotis</i>	<i>humilis</i>		VU
Melastomataceae	<i>Dissotis</i>	<i>leonensis</i>		EN
Melastomataceae	<i>Dissotis</i>	<i>splendens</i>		EN
Melastomataceae	<i>Dissotis (Anaheterotis)</i>	<i>pobeguinii</i>		VU
Melastomataceae	<i>Dissotis (Argyrella)</i>	<i>linearis</i>		EN
Melastomataceae	<i>Feliciadamia</i>	<i>stenocarpa</i>		CR
Melastomataceae	<i>Heterotis</i>	<i>pygmaea</i>		EN
Melastomataceae	<i>Heterotis</i>	<i>sylvestris</i>		EN
Melastomataceae	<i>Melastomastrum</i>	<i>sp. nov.</i>		EN
Melastomataceae	<i>Osbeckia</i>	<i>porteresii</i>		EN
Melastomataceae	<i>Osbeckia</i>	<i>praviantha</i>		EN
Melastomataceae	<i>Tristemma</i>	<i>involutum</i>		VU
Meliaceae	<i>Entandrophragma</i>	<i>angolense</i>		VU
Meliaceae	<i>Entandrophragma</i>	<i>candollei</i>		VU
Meliaceae	<i>Entandrophragma</i>	<i>cylindricum</i>		VU
Meliaceae	<i>Entandrophragma</i>	<i>utile</i>		VU
Meliaceae	<i>Khaya</i>	<i>anthotheca</i>		VU
Meliaceae	<i>Khaya</i>	<i>grandifoliola</i>		VU
Meliaceae	<i>Khaya</i>	<i>ivorensis</i>		VU
Meliaceae	<i>Khaya</i>	<i>senegalensis</i>		VU
Meliaceae	<i>Leplaea</i>	<i>cedrata</i>		VU
Menyanthaceae	<i>Nymphoides</i>	<i>guineensis</i>		EN
Moraceae	<i>Dorstenia</i>	<i>astyanactis</i>		VU
Moraceae	<i>Milicia</i>	<i>regia</i>		VU
Myrtaceae	<i>Eugenia</i>	<i>liberiana</i>		EN
Ochnaceae	<i>Fleurydora</i>	<i>felicis</i>		EN
Ochnaceae	<i>Lophira</i>	<i>alata</i>		VU
Orchidaceae	<i>Angraecopsis</i>	<i>elliptica</i>		VU
Orchidaceae	<i>Brachycorythis</i>	<i>paucifolia</i>		EN
Orchidaceae	<i>Bulbophyllum</i>	<i>bifarium</i>		VU
Orchidaceae	<i>Bulbophyllum</i>	<i>lucifugum</i>		VU
Orchidaceae	<i>Bulbophyllum</i>	<i>nigericum</i>		VU
Orchidaceae	<i>Chamaeangis</i>	<i>letouzeyi</i>		VU
Orchidaceae	<i>Eulophia</i>	<i>barteri</i>		VU
Orchidaceae	<i>Habenaria</i>	<i>angustissima</i>		EN
Orchidaceae	<i>Habenaria</i>	<i>buettneriana</i>		VU
Orchidaceae	<i>Habenaria</i>	<i>jacobii</i>		EN
Orchidaceae	<i>Habenaria</i>	<i>jaegeri</i>		EN

Family	Genus	Species	Sub species	IUCN status
Orchidaceae	<i>Kylicanthe</i>	<i>arcuata</i>		VU
Orchidaceae	<i>Kylicanthe</i>	<i>perezverae</i>		EN
Orchidaceae	<i>Liparis</i>	<i>platyglossa</i>		VU
Orchidaceae	<i>Nervilia</i>	<i>fuerstenbergiana</i>		VU
Orchidaceae	<i>Polystachya</i>	<i>leonensis</i>		VU
Orchidaceae	<i>Polystachya</i>	<i>orophila</i>		EN
Orchidaceae	<i>Polystachya</i>	<i>parva</i>		VU
Orchidaceae	<i>Polystachya</i>	<i>rydingii</i>		EN
Orchidaceae	<i>Rangaeris</i>	<i>longicaudata</i>		VU
Orchidaceae	<i>Rhipidoglossum</i>	<i>paucifolium</i>		VU
Orchidaceae	<i>Tridactyle</i>	<i>fusifera</i>		VU
Orobanchaceae	<i>Striga</i>	<i>magnibracteata</i>		EN
Pentaphragmaceae (Theaceae)	<i>Ternstroemia</i>	<i>guineensis</i>		EN
Plantaginaceae	<i>Bacopa</i>	<i>lisowskiana</i>		EN
Poaceae	<i>Anadelphia</i>	<i>chevalieri</i>		EN
Poaceae	<i>Anadelphia</i>	<i>funerea</i>		EN
Poaceae	<i>Anadelphia</i>	<i>macrochaeta</i>		VU
Poaceae	<i>Anadelphia</i>	<i>polychaeta</i>		EN
Poaceae	<i>Anadelphia</i>	<i>pumila</i>		CR
Poaceae	<i>Anadelphia</i>	<i>trepidaria</i>		VU
Poaceae	<i>Anadelphia</i>	<i>trichaeta</i>		VU
Poaceae	<i>Andropogon</i>	<i>incomptus</i>		CR
Poaceae	<i>Ctenium</i>	<i>sesquifolium</i>		EN
Poaceae	<i>Digitaria</i>	<i>patagiata</i>		EN
Poaceae	<i>Dilophotriche</i>	<i>occidentalis</i>		VU
Poaceae	<i>Isachne</i>	<i>guineensis</i>		EN
Poaceae	<i>Loudetiopsis</i>	<i>baldwinii</i>		CR(PE)
Poaceae	<i>Monocymbium</i>	<i>lanceolatum</i>		VU
Poaceae	<i>Rhytachne</i>	<i>glabra</i>		VU
Poaceae	<i>Rhytachne</i>	<i>perfecta</i>		EN
Poaceae	<i>Schizachyrium</i>	<i>delicatum</i>		VU
Poaceae	<i>Schizachyrium</i>	<i>djalonicum</i>		EN
Poaceae	<i>Schizachyrium</i>	<i>penicillatum</i>		EN
Poaceae	<i>Schizachyrium</i>	<i>radicosum</i>		EN
Poaceae	<i>Sporobolus</i>	<i>pauciflorus</i>		CR(PE)
Podostemaceae	<i>Inversodicraea</i>	<i>abbayesii</i>		CR(PE)
Podostemaceae	<i>Inversodicraea</i>	<i>harrisii</i>		VU
Podostemaceae	<i>Inversodicraea</i>	<i>koukoutamba ined.</i>		CR
Podostemaceae	<i>Inversodicraea</i>	<i>pepehabai</i>		EN
Podostemaceae	<i>Inversodicraea</i>	<i>pygmaea</i>		CR(PE)
Podostemaceae	<i>Inversodicraea</i>	<i>tassing sp.nov.</i>		EN
Podostemaceae	<i>Lebbiea</i>	<i>grandiflora</i>		CR
Podostemaceae	<i>Ledermanniella</i>	<i>guineensis</i>		EN

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Podostemaceae	<i>Macropodiella</i>	<i>garrettii</i>		EN
Podostemaceae	<i>Macropodiella</i>	<i>macrothyrsa</i>		CR
Podostemaceae	<i>Saxicolella</i>	<i>deniseae ined.</i>		CR
Podostemaceae	<i>Saxicolella</i>	<i>futa sp.nov.</i>		EN
Podostemaceae	<i>Stonesia</i>	<i>fascicularis</i>		CR
Podostemaceae	<i>Stonesia</i>	<i>gracilis</i>		CR(PE)
Podostemaceae	<i>Stonesia</i>	<i>heterospathella</i>		VU
Podostemaceae	<i>Stonesia</i>	<i>taylorii</i>		EN
Polygalaceae	<i>Heterosamara</i>	<i>bennae</i>		CR
Primulaceae	<i>Embelia</i>	<i>djalonensis</i>		VU
Primulaceae	<i>Maesa</i>	<i>nuda</i>		VU
Ranunculaceae	<i>Clematis</i>	<i>kakoulimensis</i>		CR
Rhizophoraceae	<i>Anopyxis</i>	<i>klaineana</i>		VU
Rhizophoraceae	<i>Cassipourea</i>	<i>adamii</i>		EN
Rubiaceae	<i>Aulacocalyx</i>	<i>divergens</i>		VU
Rubiaceae	<i>Coffea</i>	<i>stenophylla</i>		VU
Rubiaceae	<i>Hymenocoleus</i>	<i>multinervis</i>		VU
Rubiaceae	<i>Keetia</i>	<i>futa</i>		CR
Rubiaceae	<i>Keetia</i>	<i>susu</i>		EN
Rubiaceae	<i>Kindia</i>	<i>gangan</i>		EN
Rubiaceae	<i>Mitragyna (Fleroya)</i>	<i>stipulosa</i>		VU
Rubiaceae	<i>Nauclea</i>	<i>diderrichii</i>		VU
Rubiaceae	<i>Pauridiantha</i>	<i>schnellii</i>		VU
Rubiaceae	<i>Pavetta</i>	<i>lasioclada</i>		VU
Rubiaceae	<i>Pavetta</i>	<i>leonensis</i>		EN
Rubiaceae	<i>Pavetta</i>	<i>platycalyx</i>		VU
Rubiaceae	<i>Psychotria</i>	<i>samoritourei</i>		VU
Rubiaceae	<i>Rytigynia</i>	<i>leonensis</i>		EN
Rubiaceae	<i>Sabicea</i>	<i>bracteolata</i>		CR(PE)
Rubiaceae	<i>Sericanthe</i>	<i>trilocularis</i>		EN
Rubiaceae	<i>Tarenna</i>	<i>brachysiphon</i>		EN
Rubiaceae	<i>Tarenna</i>	<i>hutchinsonii</i>		CR
Rubiaceae	<i>Tricalysia</i>	<i>farannahensis</i>		VU
Rubiaceae	<i>Virectaria</i>	<i>pepehabai</i>		EN
Rutaceae	<i>Vepris</i>	<i>felicis</i>		CR
Salicaceae	<i>Homalium</i>	<i>smythi</i>		VU
Santalaceae	<i>Okoubaka</i>	<i>aubrevillei</i>		EN
Sapindaceae	<i>Allophylus</i>	<i>samoritourei</i>		EN
Sapindaceae	<i>Glennia</i>	<i>adami</i>		VU
Sapindaceae	<i>Placodiscus</i>	<i>riparius</i>		VU
Sapotaceae	<i>Neolemonniera</i>	<i>clitandrifolia</i>		VU
Sapotaceae	<i>Omphalocarpum</i>	<i>ahia</i>		EN
Sapotaceae	<i>Tieghemella</i>	<i>heckelii</i>		EN
Sapotaceae	<i>Vitellaria</i>	<i>paradoxa</i>		VU

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Violaceae	<i>Rinorea</i>	<i>djalonensis</i>		EN