

Aronson, J. C., Phillipson, P. B., Le Floch, E. and Raminosoa, T. 2018. Dryland tree data for the southwest region of Madagascar: alpha-level data can support policy decisions for conserving and restoring ecosystems of arid and semiarid regions. *Madagascar Conservation & Development* 13, 1: 60–69. <http://dx.doi.org/10.4314/mcd.v13i1.7> Supplementary Material



Figure S1. Spiny forest-thicket in the Dry Southwest region of Madagascar. A. (Top left) Somewhat degraded community just south of Morombe on coastal white sand with locally dominant “dwarf” *Adansonia grandidieri* that nevertheless tower above spiny succulent *Didierea madagascariensis* and succulent *Euphorbia* trees. B. (Right). The Ranobe Forest north of Toliara, dominated by deciduous trees and shrubs, including a large individual of *Commiphora mafaïdoha* with conspicuously flaking bark, and also succulent *Euphorbia* trees and shrubs. C. (Bottom left) Spiny thicket near Itampolo on coastal yellow sands with the locally endemic and abundant spiny succulent *Alluaudia montagnacii*, which is growing here with various species of deciduous trees and shrubs, including the locally endemic *Lemuropisum edule*, and various species of *Grewia*.

Aronson, J. C., Phillipson, P. B., Le Floch, E. and Raminosoa, T. 2018. Dryland tree data for the southwest region of Madagascar: alpha-level data can support policy decisions for conserving and restoring ecosystems of arid and semiarid regions. *Madagascar Conservation & Development* 13, 1: 60–69. <http://dx.doi.org/10.4314/mcd.v13i1.7> Supplementary Material



Figure S2. Use of Semiarid Zone trees by local communities. A. (Left) Branches of *Didierea madagascariensis* cut and planted to form a living fence to enclose livestock and to deter unwanted visitors in a Vezo village North of Toliara. Different species of *Didiereaceae* are used throughout the region according to availability. B. (Right) Artisanal charcoal production taking place within a clearing in the Ranobe Forest north of Toliara to meet the needs of villagers and townsfolk alike. Trees with the most sought-after wood are selectively felled, until the resource is exhausted. Then the production operation moves to another site. This is a prime example of artificial negative selection (see text).

Aronson, J. C., Phillipson, P. B., Le Floch, E. and Raminosoa, T. 2018. Dryland tree data for the southwest region of Madagascar: alpha-level data can support policy decisions for conserving and restoring ecosystems of arid and semiarid regions. *Madagascar Conservation & Development* 13, 1: 60–69. <http://dx.doi.org/10.4314/mcd.v13i1.7> Supplementary Material



Figure S3. Exemplary taxa and morphological adaptations. A. (Left) *Aloe vaotsanda* in the extreme south-west near Itampolo is one of five tree-like species of this genus occurring in the Semiarid Zone. Here, this rare species grows in a degraded community with the common *Euphorbia stenoclada*. Both species are locally dominant over the smaller deciduous trees and shrubs, and are characterised by succulent leaves in the case of the *Aloe*, and succulent branches in the case of the *Euphorbia*. B. (Right) *Pachypodium geayi* towers above smaller trees and shrubs in the Beza Mahafaly Reserve, and is an example of a "bottle" tree; its trunk armed with sharp clustered spines.

Aronson, J. C., Phillipson, P. B., Le Floch, E. and Raminosoa, T. 2018. Dryland tree data for the southwest region of Madagascar: alpha-level data can support policy decisions for conserving and restoring ecosystems of arid and semiarid regions. *Madagascar Conservation & Development* 13, 1: 60–69. <http://dx.doi.org/10.4314/mcd.v13i1.7> Supplementary Material

Table S1. Summary of names used by Cornet (1974), Schatz (2000) and the present authors for each biogeographic area.

Cornet (1974)	Schatz (2000)	Present authors
Étage Subaride	Subarid Region	Dry Southwest
• Sous Étage 1	• Subarid 1	• Lower Subarid Zone
• Sous Étage 2	• Subarid 2	• Upper Subarid Zone
• Sous Étage 3	• Subarid 3	• Semiarid Zone

Table S2. Climatic data for the driest stations of the coastal zone of the Dry Southwest region of Madagascar (Oldeman 1990). (Meteorological stations are listed from north-west to south-east (see also Figure 1). Latitude and longitude coordinates correspond to the weather stations mentioned in Column 1)

Weather stations from Semiarid region	Latitude, Longitude	Mean annual rainfall (mm)	Average number of rainy days per year	Mean annual temperature (°C)
Toliara (Mitsinjo-Betanimena)	23°20'12"S, 43°39'58"E	347	29	23.9
Ampasimpolaka	25°07'48"S, 46°23'17"E	499	50	24.2
Faux Cap (Betonty)	25°34'02"S, 45°31'43"E	375	n.a.	23.1
Other stations in the Dry Southwest				
Betioky	23°43'24"S, 44°22'47"E	617	43	24.6
Ampanihy	24°41'35"S, 44°44'43"E	566	48	24.7
Beloha	25°10'48"S, 45°03'30"E	458	41	24.2
Tsiombe	25°19'01"S, 45°29'06"E	491	49	23.8
Ambvombe	25°11'05"S, 46°05'06"E	575	58	23.2

Aronson, J. C., Phillipson, P. B., Le Floch, E. and Raminoso, T. 2018. Dryland tree data for the southwest region of Madagascar: alpha-level data can support policy decisions for conserving and restoring ecosystems of arid and semiarid regions. *Madagascar Conservation & Development* 13, 1: 60–69. <http://dx.doi.org/10.4314/mcd.v13i1.7> Supplementary Material

Table S3. Summary of the data available for the 355 known species of trees of the semi-arid zone of Southwest Madagascar. (data for selected morphological traits are also shown indicating correlation of each to degrees of endemism; *IUCN Redlist threat categories are also given, where appropriate: CR = Critically Endangered, EN = Endangered, VU = Vulnerable, NT = Near Threatened, LC = Least Concern, empty cells for taxa which have not been evaluated; ** cf. references; *** data include two levels of endemism: BC14 endemic = endemic to the dry southwest as a whole, sub-arid endemic = endemic to the semi-arid zone)

Family	Name	Author	Pachycaul	Leaf succulent	Spiny/thorny (Y/N)	Redlist *	Year published	Source **	BC14 endemic ***	sub-arid endemic ***
Fabaceae	<i>Acacia bellula</i>	Drake	-	-	+		-	-	-	-
Fabaceae	<i>Acacia myrmecophila</i>	R. Vig.	-	-	+		-	-	-	+
Fabaceae	<i>Acacia rovoumae</i>	Oliv.	-	-	+		-	-	-	-
Fabaceae	<i>Acacia viguieri</i>	Villiers & Du Puy	-	-	+		-	-	+	+
Malpighiaceae	<i>Acridocarpus excelsus</i>	A. Juss.	-	-	-		-	-	-	-
Malpighiaceae	<i>Acridocarpus humbertii</i>	Arènes	-	-	-		-	-	-	+
Malvaceae	<i>Adansonia grandidieri</i>	Baill.	+	-	-	VU	2011	MPSG	no	no
Malvaceae	<i>Adansonia rubrostipa</i>	Jum. & H. Perrier	+	-	-	VU	2011	MPSG	no	no
Malvaceae	<i>Adansonia za</i>	Baill.	+	-	-	NT	2011	MPSG	-	-
Passifloraceae	<i>Adenia olaboensis</i>	Claverie	-	-	-		-	-	-	-
Fabaceae	<i>Alantsilodendron alluaudianum</i>	(R. Vig.) Villiers	-	-	-		-	-	+	+
Fabaceae	<i>Alantsilodendron brevipes</i>	(R. Vig.) Villiers	-	-	-		-	-	-	+
Fabaceae	<i>Alantsilodendron decaryanum</i>	(R. Vig.) Villiers	-	-	-		-	-	-	+
Fabaceae	<i>Alantsilodendron glomeratum</i>	Villiers	-	-	-		-	-	+	+
Fabaceae	<i>Alantsilodendron humbertii</i>	(R. Vig.) Villiers	-	-	-		-	-	-	+
Fabaceae	<i>Alantsilodendron mahafalense</i>	(R. Vig.) Villiers	-	-	-		-	-	+	+
Fabaceae	<i>Alantsilodendron pilosum</i>	Villiers	-	-	-		-	-	+	+
Fabaceae	<i>Alantsilodendron ramosum</i>	Villiers	-	-	-		-	-	-	+
Fabaceae	<i>Albizia androyensis</i>	Capuron	-	-	-		-	-	-	-
Fabaceae	<i>Albizia atakataka</i>	Capuron	-	-	+		-	-	+	+
Fabaceae	<i>Albizia aurisparsa</i>	(Drake) R. Viguier ex Capuron	-	-	-		-	-	-	-
Fabaceae	<i>Albizia balabaka</i>	Capuron	-	-	-		-	-	-	+
Fabaceae	<i>Albizia bernieri</i>	E. Fourn. ex Villiers	-	-	-		-	-	-	-
Fabaceae	<i>Albizia commiphoroides</i>	Capuron	-	-	-		-	-	-	+
Fabaceae	<i>Albizia divaricata</i>	Capuron	-	-	-		-	-	+	+
Fabaceae	<i>Albizia mahalao</i>	Capuron	-	-	-		-	-	-	+
Fabaceae	<i>Albizia masikororum</i>	R. Vig.	-	-	-		-	-	-	-
Fabaceae	<i>Albizia morombensis</i>	Capuron	-	-	-		-	-	+	+
Fabaceae	<i>Albizia polyphylla</i>	E. Fourn.	-	-	-	EN	2011	MPSG	no	no
Fabaceae	<i>Albizia tulearensis</i>	R. Vig.	-	-	-	LC	2012	IUCN	no	no
Sapindaceae	<i>Allophylus decaryi</i>	Danguy & Choux	-	-	-		-	-	-	-
Sapindaceae	<i>Allophylus dissectus</i>	[ined.]	-	-	-		-	-	+	+
Didiereaceae	<i>Alluaudia ascendens</i>	(Drake) Drake	-	+	+	EN	2011	MPSG	no	yes
Didiereaceae	<i>Alluaudia comosa</i>	(Drake) Drake	-	+	+	VU	2011	MPSG	yes	yes
Didiereaceae	<i>Alluaudia dumosa</i>	(Drake) Drake	-	-	+	NT	2011	MPSG	-	+
Didiereaceae	<i>Alluaudia humbertii</i>	Choux	-	+	+	NT	2011	MPSG	-	+
Didiereaceae	<i>Alluaudia montagnacii</i>	Rauh	-	+	+	EN	2011	MPSG	yes	yes

Aronson, J. C., Phillipson, P. B., Le Floch, E. and Raminosoa, T. 2018. Dryland tree data for the southwest region of Madagascar: alpha-level data can support policy decisions for conserving and restoring ecosystems of arid and semiarid regions. *Madagascar Conservation & Development* 13, 1: 60–69. <http://dx.doi.org/10.4314/mcd.v13i1.7> Supplementary Material

Family	Name	Author	Pachycaul	Leaf succulent	Spiny/thorny (Y/N)	Redlist *	Year published	Source **	BC14 endemic ***	sub-arid endemic ***
Didiereaceae	<i>Alluaudia procera</i>	(Drake) Drake	-	+	+	NT	2011	MPSG	-	+
Didiereaceae	<i>Alluaudiopsis fiherenensis</i>	Humbert & Choux	-	+	+	VU	2011	MPSG	yes	yes
Didiereaceae	<i>Alluaudiopsis marnieriana</i>	Rauh	-	+	+	CR	2011	MPSG	yes	yes
Xanthorrhoeaceae	<i>Aloe divaricata</i>	A. Berger	-	+	+		-	-	-	-
Xanthorrhoeaceae	<i>Aloe helenae</i>	Danguy	-	+	+	CR	1998	IUCN	no	no
Xanthorrhoeaceae	<i>Aloe suzannae</i>	Decary	-	+	+	EN	2011	MPSG	yes	yes
Xanthorrhoeaceae	<i>Aloe vaombe</i>	Decorse & Poisson	-	+	+	EN	2011	MPSG	no	yes
Xanthorrhoeaceae	<i>Aloe vaotsanda</i>	Decary	-	+	+		-	-	+	+
Aptandraceae	<i>Anacolosa pervilleana</i>	Baill.	-	-	-		-	-	-	-
Scrophulariaceae	<i>Androya decaryi</i>	H. Perrier	-	-	-	NT	2011	MPSG	-	+
Phyllanthaceae	<i>Antidesma madagascariense</i>	Lam.	-	-	-		-	-	-	-
Icacinaceae	<i>Apodytes dimidiata</i>	E. Mey. ex Arn.	-	-	-		-	-	-	-
Salvadoraceae	<i>Azima tetracantha</i>	Lam.	-	-	+		-	-	-	-
Rhamnaceae	<i>Bathiorhamnus cryptophorus</i>	Capuron	-	-	-	EN	2011	MPSG	yes	yes
Fabaceae	<i>Baudouinia fluggeiformis</i>	Baill.	-	-	-		-	-	-	-
Fabaceae	<i>Baudouinia rouxvillei</i>	H. Perrier	-	-	-	EN	2011	MPSG	no	yes
Fabaceae	<i>Bauhinia grandidieri</i>	Baill.	-	-	-		-	-	-	+
Fabaceae	<i>Bauhinia grevei</i>	Drake	-	-	-		-	-	-	-
Fabaceae	<i>Bauhinia madagascariensis</i>	Desv.	-	-	-		-	-	-	-
Fabaceae	<i>Bauhinia morondavensis</i>	Du Puy & R. Rabev.	-	-	-		-	-	-	+
Fabaceae	<i>Bauhinia xerophyta</i>	Du Puy & R. Rabev.	-	-	-		-	-	+	+
Rhamnaceae	<i>Berchemia discolor</i>	(Klotzsch) Hemsl.	-	-	-		-	-	-	-
Salicaceae	<i>Bivinia jalbertii</i>	Tul.	-	-	-		-	-	-	-
Capparaceae	<i>Boscia longifolia</i>	Hadj-Moust.	-	-	-		-	-	-	+
Capparaceae	<i>Boscia madagascariensis</i>	(DC.) Hadj-Moust.	-	-	-		-	-	-	-
Capparaceae	<i>Boscia</i> sp. nov.	ined.	-	-	-		-	-	+	+
Asteraceae	<i>Brachylaena microphylla</i>	Humbert	-	-	-	NT	2011	MPSG	-	-
Rubiaceae	<i>Breonadia salicina</i>	(Vahl) Hepper & Wood	-	-	-		-	-	-	-
Celastraceae	<i>Brexia australis</i>	G.E. Schatz & Lowry	-	-	-	EN	2011	MPSG	yes	yes
Celastraceae	<i>Brexia longipes</i>	H. Perrier	-	-	-		-	-	-	-
Phyllanthaceae	<i>Bridelia pervilleana</i>	Baill.	-	-	-		-	-	-	-
Moraceae	<i>Broussonetia greveana</i>	(Baill.) C.C. Berg	-	-	-		-	-	-	-
Scrophulariaceae	<i>Buddleja fragifera</i>	Leeuwenb.	-	-	-		-	-	-	+
Buxaceae	<i>Buxus calcarea</i>	G.E. Schatz & Lowry	-	-	-	EN	2011	MPSG	no	yes
Capparaceae	<i>Cadaba virgata</i>	Bojer	-	-	-		-	-	-	+
Meliaceae	<i>Calodectarya crassifolia</i>	J.-F. Leroy	-	-	-		-	-	-	+
Meliaceae	<i>Calodectarya pauciflora</i>	J.-F. Leroy	-	-	-		-	-	+	+
Sapindaceae	<i>Camptolepis hygrophila</i>	Capuron	-	-	-		-	-	-	-
Sapotaceae	<i>Capurodendron androyense</i>	Aubrév.	-	-	-		-	-	-	-
Sapotaceae	<i>Capurodendron mandrarensis</i>	Aubrév.	-	-	-		-	-	-	-
Sapotaceae	<i>Capurodendron microphyllum</i>	(Scott-Elliott) Aubrév.	-	-	-		-	-	-	-
Lythraceae	<i>Capuronia benoistii</i>	(Leandri) P.E. Berry	-	-	-		-	-	-	-
Meliaceae	<i>Capuronianthus mahafalensis</i>	J.-F. Leroy	-	-	-		-	-	-	+
Rubiaceae	<i>Carphalea kirondron</i>	Baill.	-	-	-		-	-	-	-

Aronson, J. C., Phillipson, P. B., Le Floch, E. and Raminosoa, T. 2018. Dryland tree data for the southwest region of Madagascar: alpha-level data can support policy decisions for conserving and restoring ecosystems of arid and semiarid regions. *Madagascar Conservation & Development* 13, 1: 60–69. <http://dx.doi.org/10.4314/mcd.v13i1.7> Supplementary Material

Family	Name	Author	Pachycaul	Leaf succulent	Spiny/thorny (Y/N)	Redlist *	Year published	Source **	BC14 endemic ***	sub-arid endemic ***
Rubiaceae	<i>Catunaregam</i> sp. nov. aff. <i>spinosa</i>	ined.	-	-	+		-	-	-	-
Rutaceae	<i>Cedrelopsis grevei</i>	Baill.	-	-	-	LC	2011	MPSG	no	no
Rutaceae	<i>Cedrelopsis microfoliolata</i>	J.-F. Leroy	-	-	-	VU	2011	MPSG	no	no
Cannabaceae	<i>Celtis gomphophylla</i>	Baker	-	-	-		-	-	-	-
Cannabaceae	<i>Celtis madagascariensis</i>	Sattarian	-	-	-		-	-	-	-
Fabaceae	<i>Chadsia grevei</i>	Drake	-	-	-	LC	2011	MPSG	no	yes
Lamiaceae	<i>Clerodendrum globosum</i>	Moldenke	-	-	-		-	-	+	+
Asteraceae	<i>Cloiselia carbonaria</i>	S. Moore	-	-	-	VU	2011	MPSG	no	yes
Asteraceae	<i>Cloiselia madagascariensis</i>	S. Ortiz	-	-	-	CR	2011	MPSG	yes	yes
Rhamnaceae	<i>Colubrina decipiens</i>	(Baill.) Capuron	-	-	-		-	-	-	-
Rhamnaceae	<i>Colubrina humbertii</i>	(H. Perrier) Capuron	-	-	-		-	-	-	-
Fabaceae	<i>Colvillea racemosa</i>	Bojer in Hook.	-	-	-	LC	2014	IUCN	no	no
Burseraceae	<i>Commiphora aprevalii</i>	(Baill.) Guillaumin	-	-	-		-	-	-	-
Burseraceae	<i>Commiphora arafy</i>	H. Perrier	-	-	-		-	-	-	-
Burseraceae	<i>Commiphora brevicalyx</i>	H. Perrier	-	-	-		-	-	-	+
Burseraceae	<i>Commiphora falcata</i>	Capuron	-	-	-		-	-	+	+
Burseraceae	<i>Commiphora franciscana</i>	Capuron	-	-	-		-	-	+	+
Burseraceae	<i>Commiphora grandifolia</i>	Engl.	-	-	-		-	-	-	-
Burseraceae	<i>Commiphora humbertii</i>	H. Perrier	-	-	-		-	-	-	+
Burseraceae	<i>Commiphora lamii</i>	H. Perrier	-	-	-		-	-	-	+
Burseraceae	<i>Commiphora mafaïdoha</i>	H. Perrier	-	-	-		-	-	-	+
Burseraceae	<i>Commiphora mahafaliensis</i>	Capuron	-	-	-		-	-	+	+
Burseraceae	<i>Commiphora marchandii</i>	Engl.	-	-	-		-	-	-	-
Burseraceae	<i>Commiphora monstrosa</i>	(H. Perrier) Capuron	-	-	-		-	-	+	+
Burseraceae	<i>Commiphora orbicularis</i>	Engl.	-	-	-		-	-	-	-
Burseraceae	<i>Commiphora pterocarpa</i>	H. Perrier	-	-	-		-	-	-	+
Burseraceae	<i>Commiphora simplicifolia</i>	H. Perrier	-	-	+		-	-	-	+
Burseraceae	<i>Commiphora sinuata</i>	H. Perrier	-	-	-		-	-	+	+
Burseraceae	<i>Commiphora</i> sp. nov. aff. <i>aprevalii</i>	ined.	-	-	-		-	-	-	+
Burseraceae	<i>Commiphora</i> sp. nov. aff. <i>brevicalyx</i>	ined.	-	-	-		-	-	+	+
Burseraceae	<i>Commiphora tsimanampetsae</i>	Capuron	-	-	-		-	-	+	+
Oleaceae	<i>Comoranthus minor</i>	H. Perrier	-	-	-		-	-	-	+
Boraginaceae	<i>Cordia caffra</i>	Sond.	-	-	-		-	-	-	-
Boraginaceae	<i>Cordia mairei</i>	Humbert	-	-	-	LC	2011	MPSG	no	no
Boraginaceae	<i>Cordia monoïca</i>	Roxb.	-	-	-		-	-	-	-
Capparaceae	<i>Crateva greveana</i>	Baill.	-	-	-		-	-	-	-
Euphorbiaceae	<i>Croton adabolavensis</i>	Leandri	-	-	-		-	-	-	+
Euphorbiaceae	<i>Croton antanosiensis</i>	Leandri	-	-	-		-	-	-	-
Euphorbiaceae	<i>Croton cotoneaster</i>	Müll. Arg.	-	-	-		-	-	+	+
Euphorbiaceae	<i>Croton denisii</i>	Leandri	-	-	-		-	-	-	+
Euphorbiaceae	<i>Croton geayi</i>	Leandri	-	-	-		-	-	-	+
Euphorbiaceae	<i>Croton manampetsae</i>	Leandri	-	-	-		-	-	-	+
Euphorbiaceae	<i>Croton meridionalis</i>	Leandri	-	-	-		-	-	-	+

Aronson, J. C., Phillipson, P. B., Le Floch, E. and Raminosoa, T. 2018. Dryland tree data for the southwest region of Madagascar: alpha-level data can support policy decisions for conserving and restoring ecosystems of arid and semiarid regions. *Madagascar Conservation & Development* 13, 1: 60–69. <http://dx.doi.org/10.4314/mcd.v13i1.7> Supplementary Material

Family	Name	Author	Pachycaul	Leaf succulent	Spiny/thorny (Y/N)	Redlist *	Year published	Source **	BC14 endemic ***	sub-arid endemic ***
Euphorbiaceae	<i>Croton salviformis</i>	Baill.	-	-	-		-	-	+	+
Vitaceae	<i>Cyphostemma elephantopus</i>	Desc.	+	-	-		-	-	+	+
Vitaceae	<i>Cyphostemma laza</i>	Desc.	+	-	-		-	-	-	-
Fabaceae	<i>Dalbergia emimensis</i>	Benth.	-	-	-	EN	2011	MPSG	no	no
Fabaceae	<i>Dalbergia greveana</i>	Baill.	-	-	-	LC	2011	MPSG	no	no
Fabaceae	<i>Dalbergia pervillei</i>	Vatke	-	-	-	NT	1998	IUCN	-	-
Fabaceae	<i>Dalbergia purpurascens</i>	Baill.	-	-	-	VU	1998	IUCN	no	no
Fabaceae	<i>Dalbergia xerophila</i>	Bosser & R. Rabev.	-	-	-	EN	1998	IUCN	yes	yes
Didiereaceae	<i>Decarya madagascariensis</i>	Choux	-	+	+	NT	2011	MPSG	-	+
Sapindaceae	<i>Deinbollia pervillei</i>	(Blume) Radlk.	-	-	-		-	-	-	-
Fabaceae	<i>Delonix boiviniana</i>	(Baill.) Capuron	-	-	-	LC	2014	IUCN	no	no
Fabaceae	<i>Delonix decaryi</i>	(R. Vig.) Capuron	+	-	-	VU	2014	IUCN	yes	yes
Fabaceae	<i>Delonix floribunda</i>	(Baill.) Capuron	+	-	-	LC	2014	IUCN	no	yes
Fabaceae	<i>Delonix leucantha</i>	(R. Vig.) Du Puy, Phillipson & R. Rabev.	+	-	-	NT	2014	IUCN	-	-
Fabaceae	<i>Delonix pumila</i>	Du Puy, Phillipson & R. Rabev.	+	-	-	EN	2014	IUCN	yes	yes
Fabaceae	<i>Dichrostachys dumetaria</i>	Villiers	-	-	-		-	-	-	+
Fabaceae	<i>Dichrostachys unijuga</i>	Baker	-	-	-		-	-	-	-
Fabaceae	<i>Dichrostachys venosa</i>	Villiers	-	-	-		-	-	-	+
Asteraceae	<i>Dicoma incana</i>	(Baker) O. Hoffm.	-	-	-		-	-	-	-
Fabaceae	<i>Dicraeopetalum capuronianum</i>	(M. Pelt.) Yakovlev	-	-	-	VU	1998	IUCN	no	yes
Fabaceae	<i>Dicraeopetalum mahafaliense</i>	(M. Pelt.) Yakovlev	-	-	-	VU	1998	IUCN	no	yes
Didiereaceae	<i>Didierea madagascariensis</i>	Baill.	-	+	+	NT	2011	MPSG	+	+
Didiereaceae	<i>Didierea trollii</i>	Capuron & Rauh	-	+	+	EN	2011	MPSG	yes	yes
Ebenaceae	<i>Diospyros aculeata</i>	H. Perrier	-	-	+	EN	2011	MPSG	no	no
Ebenaceae	<i>Diospyros cupulifera</i>	H. Perrier	-	-	-	VU	2011	MPSG	no	no
Ebenaceae	<i>Diospyros humbertiana</i>	H. Perrier	-	-	-	VU	2011	MPSG	no	yes
Ebenaceae	<i>Diospyros latispathulata</i>	H. Perrier	-	-	-		-	-	-	+
Ebenaceae	<i>Diospyros manampetsae</i>	H. Perrier	-	-	-		-	-	-	+
Ebenaceae	<i>Diospyros myrtifolia</i>	H. Perrier	-	-	-		-	-	-	+
Ebenaceae	<i>Diospyros sakalavarum</i>	H. Perrier	-	-	-		-	-	-	-
Malvaceae	<i>Dombeya greveana</i>	Baill.	-	-	-		-	-	-	-
Malvaceae	<i>Dombeya tremuliformis</i>	Arènes	-	-	-		-	-	-	+
Malvaceae	<i>Dombeya triumfettifolia</i>	Bojer	-	-	-		-	-	-	+
Malvaceae	<i>Dombeya tulearensis</i>	Arènes	-	-	-		-	-	-	-
Sapindaceae	<i>Doratoxylon chouxii</i>	Capuron	-	-	-		-	-	-	-
Asparagaceae	<i>Dracaena reflexa (sensu lato)</i>	Lam.	-	-	-		-	-	-	-
Fabaceae	<i>Dupuya madagascariensis</i>	(R. Vig.) J.H. Kirkbr.	-	-	-	LC	2011	MPSG	no	no
Boraginaceae	<i>Ehretia decaryi</i>	J.S. Mill.	-	-	-	EN	2011	MPSG	no	yes
Boraginaceae	<i>Ehretia phillipsonii</i>	J.S. Mill.	-	-	-	VU	2011	MPSG	no	yes
Celastraceae	<i>Elaeodendron humbertii</i>	H. Perrier	-	-	-		-	-	+	+
Fabaceae	<i>Entada chrysostachys</i>	(Benth.) Drake	-	-	-		-	-	-	-
Sapindaceae	<i>Erythrophysa aesculina</i>	Baill.	-	-	-	EN	2011	MPSG	yes	yes
Sapindaceae	<i>Erythrophysa humbertii</i>	Capuron	-	-	-	EN	2011	MPSG	no	yes

Aronson, J. C., Phillipson, P. B., Le Floch, E. and Raminosoa, T. 2018. Dryland tree data for the southwest region of Madagascar: alpha-level data can support policy decisions for conserving and restoring ecosystems of arid and semiarid regions. *Madagascar Conservation & Development* 13, 1: 60–69. <http://dx.doi.org/10.4314/mcd.v13i1.7> Supplementary Material

Family	Name	Author	Pachycaul	Leaf succulent	Spiny/thorny (Y/N)	Redlist *	Year published	Source **	BC14 endemic ***	sub-arid endemic ***
Sapindaceae	<i>Erythrophysa paniculata</i>	Capuron	-	-	-	EN	2011	MPSG	yes	yes
Erythroxylaceae	<i>Erythroxylum leandrianum</i>	Baill. ex O.E. Schulz	-	-	-		-	-	-	-
Erythroxylaceae	<i>Erythroxylum pervillei</i>	Baill.	-	-	-		-	-	-	-
Euphorbiaceae	<i>Euphorbia alluaudii</i>	Drake	-	-	-	LC	2004	IUCN	no	no
Euphorbiaceae	<i>Euphorbia antso</i>	Denis	+	-	-	LC	2004	IUCN	no	yes
Euphorbiaceae	<i>Euphorbia arahaka</i>	Poisson ex Humbert & Leandri	-	-	-	LC	2004	IUCN	no	yes
Euphorbiaceae	<i>Euphorbia cedrorum</i>	Rauh	-	-	-	VU	2004	IUCN	yes	yes
Euphorbiaceae	<i>Euphorbia decorsei</i>	Drake	-	-	-	EN	2004	IUCN	no	yes
Euphorbiaceae	<i>Euphorbia enterophora</i>	Drake	-	-	-	LC	2004	IUCN	no	no
Euphorbiaceae	<i>Euphorbia famatamboay</i>	Friedman & Cremers	-	-	-	VU	2004	IUCN	yes	yes
Euphorbiaceae	<i>Euphorbia fiherenensis</i>	Poiss.	-	-	-	LC	2004	IUCN	no	yes
Euphorbiaceae	<i>Euphorbia intisy</i>	Drake	-	-	-	LC	2004	IUCN	no	yes
Euphorbiaceae	<i>Euphorbia kamponii</i>	Rauh	-	-	-	EN	2004	IUCN	yes	yes
Euphorbiaceae	<i>Euphorbia mainty</i>	(Poiss.) Denis ex Leandri Denis ex Leandri	-	-	+		-	-	-	-
Euphorbiaceae	<i>Euphorbia oncoclada</i>	Drake	-	-	-		-	-	+	+
Euphorbiaceae	<i>Euphorbia plagiantha</i>	Drake	-	-	-	LC	2004	IUCN	no	yes
Euphorbiaceae	<i>Euphorbia stenoclada</i>	Baill.	-	-	+	LC	2004	IUCN	no	no
Euphorbiaceae	<i>Euphorbia tirucalli</i>	L.	-	-	-	LC	2004	IUCN	no	no
Rutaceae	<i>Fagaropsis velutina</i>	Capuron	-	-	-		-	-	-	-
Bignoniaceae	<i>Fernandoa madagascariensis</i>	(Baker) A.H. Gentry	-	-	-		-	-	-	-
Moraceae	<i>Ficus grevei</i>	Baill.	-	-	-		-	-	-	-
Moraceae	<i>Ficus humberitii</i>	C.C. Berg	-	-	-		-	-	+	+
Moraceae	<i>Ficus madagascariensis</i>	C.C. Berg	-	-	-		-	-	-	-
Moraceae	<i>Ficus marmorata</i>	Bojer ex Baker	-	-	-		-	-	-	-
Moraceae	<i>Ficus menabeensis</i>	H. Perrier	-	-	-		-	-	-	-
Moraceae	<i>Ficus pachyclada</i>	Baker	-	-	-		-	-	-	-
Moraceae	<i>Ficus polita</i>	Vahl	-	-	-		-	-	-	-
Moraceae	<i>Ficus reflexa</i>	Thunb.	-	-	-		-	-	-	-
Moraceae	<i>Ficus sakalavarum</i>	Baker	-	-	-		-	-	-	-
Salicaceae	<i>Flacourtia ramontchi</i>	(Burm. f.) Merr.	-	-	+		-	-	-	-
Phyllanthaceae	<i>Flueggea virosa</i>	(Roxb. ex Willd.) Voigt	-	-	-		-	-	-	-
Fabaceae	<i>Gagnebina commersoniana</i>	(Baill.) R. Vig.	-	-	-	EN	2012	IUCN	no	no
Euphorbiaceae	<i>Givotia madagascariensis</i>	Baill.	-	-	-	VU	2011	MPSG	no	no
Malvaceae	<i>Grewia ambovombensis</i>	Capuron	-	-	-		-	-	-	+
Malvaceae	<i>Grewia androyensis</i>	Capuron	-	-	-		-	-	-	+
Malvaceae	<i>Grewia calvata</i>	Baker	-	-	-		-	-	-	+
Malvaceae	<i>Grewia cyclea</i>	Baill.	-	-	-		-	-	-	-
Malvaceae	<i>Grewia erythroxyloides</i>	Capuron	-	-	-		-	-	-	+
Malvaceae	<i>Grewia geayi</i>	R. Vig.	-	-	-		-	-	-	+
Malvaceae	<i>Grewia glandulosa</i>	Vahl	-	-	-		-	-	-	-
Malvaceae	<i>Grewia grevei</i>	Baill.	-	-	-		-	-	-	+
Malvaceae	<i>Grewia humberitii</i>	Capuron	-	-	-		-	-	-	+
Malvaceae	<i>Grewia leucophylla</i>	Capuron	-	-	-		-	-	-	-
Malvaceae	<i>Grewia mahafaliensis</i>	Capuron	-	-	-		-	-	+	+

Aronson, J. C., Phillipson, P. B., Le Floch, E. and Raminosoa, T. 2018. Dryland tree data for the southwest region of Madagascar: alpha-level data can support policy decisions for conserving and restoring ecosystems of arid and semiarid regions. *Madagascar Conservation & Development* 13, 1: 60–69. <http://dx.doi.org/10.4314/mcd.v13i1.7> Supplementary Material

Family	Name	Author	Pachycaul	Leaf succulent	Spiny/thorny (Y/N)	Redlist *	Year published	Source **	BC14 endemic ***	sub-arid endemic ***
Malvaceae	<i>Grewia microcyclea</i>	(Burret) Capuron & Mabb.	-	-	-		-	-	-	+
Malvaceae	<i>Grewia nitida</i>	Juss.	-	-	-		-	-	-	-
Malvaceae	<i>Grewia pulverulenta</i>	R. Vig.	-	-	-		-	-	-	+
Malvaceae	<i>Grewia tulearensis</i>	Capuron	-	-	-		-	-	+	+
Rubiaceae	<i>Guettarda speciosa</i>	L.	-	-	-		-	-	-	-
Celastraceae	<i>Gymnosporia leptopus</i>	H. Perrier	-	-	-		-	-	-	-
Celastraceae	<i>Gymnosporia polyacantha</i>	(Sond.) Szyszyl.	-	-	-		-	-	-	-
Hernandiaceae	<i>Gyrocarpus americanus</i>	Jacq.	-	-	-		-	-	-	-
Malvaceae	<i>Helmiopsiella madagascariensis</i>	Arènes	-	-	-		-	-	-	-
Malvaceae	<i>Hibiscus ambovombensis</i>	Hochr.	-	-	-		-	-	-	+
Malvaceae	<i>Hibiscus diplocrater</i>	Hochr.	-	-	-		-	-	-	-
Malvaceae	<i>Hildegardia erythrosiphon</i>	(Baill.) Kosterm.	+	-	-	LC	2011	MPSG	no	no
Boraginaceae	<i>Hilsenbergia bosseri</i>	J.S. Mill.	-	-	-	LC	2011	MPSG	no	yes
Boraginaceae	<i>Hilsenbergia croatii</i>	J.S. Mill.	-	-	-	EN	2011	MPSG	yes	yes
Boraginaceae	<i>Hilsenbergia leslieae</i>	J.S. Mill.	-	-	-	EN	2011	MPSG	yes	yes
Boraginaceae	<i>Hilsenbergia lowryana</i>	J.S. Mill.	-	-	-	VU	2011	MPSG	no	no
Boraginaceae	<i>Hilsenbergia lyciacea</i>	J.S. Mill.	-	-	-		-	-	-	-
Boraginaceae	<i>Hilsenbergia randrianasoloana</i>	J.S. Mill.	-	-	-	EN	2011	MPSG	no	no
Linaceae	<i>Hugonia</i> sp. nov. aff. <i>longipes</i>	ined.	-	-	-		-	-	+	+
Malvaceae	<i>Humbertiella decaryi</i>	(Hochr.) Dorr	-	-	-		-	-	-	+
Malvaceae	<i>Humbertiella quararibeoides</i>	Hochr.	-	-	-		-	-	+	+
Rubiaceae	<i>Hymenodictyon decaryi</i>	Homolle	-	-	-	LC	2011	MPSG	no	yes
Rubiaceae	<i>Hymenodictyon occidentale</i>	Homolle	-	-	-	LC	2011	MPSG	no	no
Rubiaceae	<i>Hyperacanthus</i> sp. nov.	Homolle	-	-	-		-	-	-	+
Arecaceae	<i>Hyphaene coriacea</i>	Gaertn.	-	-	+		-	-	-	-
Fabaceae	<i>Indigofera cloiselii</i>	Drake	-	-	-	NT	2011	MPSG	-	+
Fabaceae	<i>Indigofera depauperata</i>	Drake	-	-	-	NT	2011	MPSG	+	+
Fabaceae	<i>Indigofera humbertiana</i>	M. Pelt.	-	-	-	CR	2011	MPSG	yes	yes
Fabaceae	<i>Indigofera interrupta</i>	(Du Puy, Labat & Schrire) Schrire	-	-	-	NT	2011	MPSG	+	+
Fabaceae	<i>Indigofera mahafalensis</i>	(Du Puy, Labat & Schrire) Schrire	-	-	-	VU	2011	MPSG	yes	yes
Rutaceae	<i>Ivodea reticulata</i>	Capuron	-	-	-	EN	2011	MPSG	yes	yes
Rutaceae	<i>Ivodea toliarensis</i>	Rabarim., Rakoton., Phillipson & Lowry	-	-	+	CR	2015	Rabari manarivo et al.	yes	yes
Rubiaceae	<i>Ixora malacophylla</i>	Drake	-	-	-		-	-	-	+
Euphorbiaceae	<i>Jatropha mahafalensis</i>	Jum. & H. Perrier	-	-	-	VU	2011	MPSG	no	yes
Crassulaceae	<i>Kalanchoe arborescens</i>	Humbert	-	+	-		-	-	+	+
Crassulaceae	<i>Kalanchoe beharensis</i>	Drake	-	+	+		-	-	-	+
Lamiaceae	<i>Karomia microphylla</i>	(Moldenke) R. Fern.	-	-	-		-	-	-	+
Lythraceae	<i>Koehneria madagascariensis</i>	(Baker) S.A. Graham, Tobe & Baas	-	-	-		-	-	-	-
Lythraceae	<i>Lawsonia inermis</i>	L.	-	-	-		-	-	-	-

Aronson, J. C., Phillipson, P. B., Le Floch, E. and Raminosoa, T. 2018. Dryland tree data for the southwest region of Madagascar: alpha-level data can support policy decisions for conserving and restoring ecosystems of arid and semiarid regions. *Madagascar Conservation & Development* 13, 1: 60–69. <http://dx.doi.org/10.4314/mcd.v13i1.7> Supplementary Material

Family	Name	Author	Pachycaul	Leaf succulent	Spiny/thorny (Y/N)	Redlist *	Year published	Source **	BC14 endemic ***	sub-arid endemic ***
Fabaceae	<i>Lemuropisum edule</i>	(H. Perrier) Babineau & Bruneau	-	-	-	EN	2014	IUCN	yes	yes
Meliaceae	<i>Lepidotrichilia convallariodora</i>	(Baill.) J.-F. Leroy	-	-	-	LC	2011	MPSG	no	no
Capparaceae	<i>Maerua filiformis</i>	Drake	-	-	-	LC	2011	MPSG	no	yes
Phyllanthaceae	<i>Margaritaria decaryana</i>	(Leandri) G.L. Webster	-	-	-		-	-	-	-
Malvaceae	<i>Megistostegium microphyllum</i>	Hochr.	-	-	-	VU	2011	MPSG	no	yes
Malvaceae	<i>Megistostegium nodulosum</i>	(Drake) Hochr.	-	-	+	VU	2011	MPSG	no	yes
Malvaceae	<i>Megistostegium perrieri</i>	Hochr.	-	-	+	EN	2011	MPSG	yes	yes
Rubiaceae	<i>Melanoxerus suavissimus</i>	(Homolle ex Cavaco) Kainul. & B. Bremer	-	-	-		-	-	-	+
Fabaceae	<i>Millettia taolanaroensis</i>	Du Puy & Labat	-	-	-	EN	1998	IUCN	no	no
Fabaceae	<i>Mimosa delicatula</i>	Baill.	-	-	+		-	-	-	-
Fabaceae	<i>Mimosa grandidieri</i>	Baill.	-	-	+		-	-	-	+
Fabaceae	<i>Mimosa ikondensis</i>	Villiers	-	-	+		-	-	+	+
Fabaceae	<i>Mimosa onilahensis</i>	R. Vig.	-	-	+		-	-	-	+
Fabaceae	<i>Mimosa psoralea</i>	(DC.) Benth.	-	-	+		-	-	-	-
Moringaceae	<i>Moringa drouhardii</i>	Jum.	+	-	-	VU	2011	MPSG	no	yes
Fabaceae	<i>Mundulea micrantha</i>	R. Vig.	-	-	-	NT	2011	MPSG	-	+
Fabaceae	<i>Mundulea stenophylla</i>	R. Vig.	-	-	-	LC	2011	MPSG	no	no
Celastraceae	<i>Mystroxydon aethiopicum</i>	(Thunb.) Loes.	-	-	-		-	-	-	-
Fabaceae	<i>Neoapaloxylon madagascariense</i>	(Drake) Rauschert	-	-	-		-	-	-	-
Fabaceae	<i>Neoapaloxylon tuberosum</i>	(R. Vig.) Rauschert	-	-	-		-	-	-	-
Meliaceae	<i>Neobeguea mahafaliensis</i>	J.-F. Leroy	-	-	-		-	-	-	-
Oleaceae	<i>Noronhia seyrii</i>	H. Perrier	-	-	-		-	-	-	-
Ochnaceae	<i>Ochna macrantha</i>	Baker	-	-	-		-	-	-	-
Ochnaceae	<i>Ochna</i> sp. nov. aff. <i>louvelii</i>	ined.	-	-	-		-	-	-	+
Olacaceae	<i>Olax dissitiflora</i>	Oliv.	-	-	-		-	-	-	-
Olacaceae	<i>Olax lanceolata</i>	Cavaco & Keraudren	-	-	-	LC	2011	MPSG	no	no
Anacardiaceae	<i>Operculicarya capuronii</i>	Randrianasolo & Lowry	+	-	-	CR	2011	MPSG	yes	yes
Anacardiaceae	<i>Operculicarya decaryi</i>	H. Perrier	+	-	-	NT	2011	MPSG	-	-
Anacardiaceae	<i>Operculicarya hyphaenoides</i>	H. Perrier	+	-	-	EN	2011	MPSG	yes	yes
Anacardiaceae	<i>Operculicarya pachypus</i>	Eggl	+	-	-	EN	2011	MPSG	yes	yes
Fabaceae	<i>Ormocaropsis parvifolia</i>	Dumaz-le Grand	-	-	-	VU	1998	IUCN	no	yes
Fabaceae	<i>Ormocaropsis tulearensis</i>	Du Puy & Labat	-	-	-	EN	1998	IUCN	no	yes
Apocynaceae	<i>Pachypodium geayi</i>	Costantin & Bois	+	-	+	LC	2011	MPSG	no	yes
Apocynaceae	<i>Pachypodium lamerei</i>	Drake	+	-	+	LC	2011	MPSG	no	no
Apocynaceae	<i>Pachypodium meridionale</i>	(H. Perrier) Pichon	+	-	+	NT	2011	MPSG	-	-
Pandanaceae	<i>Pandanus aridus</i>	H. St. John	-	-	+	VU	2011	MPSG	no	yes
Opiliaceae	<i>Pentharhopalopia perrieri</i>	(Cavaco & Keraudren) Hiepko	-	-	-		-	-	-	+
Simaroubaceae	<i>Perriera madagascariensis</i>	Courchet	-	-	-	NT	2011	MPSG	-	-
Malvaceae	<i>Perrierophytum humbertii</i>	Hochr.	-	-	-		-	-	-	-
Malvaceae	<i>Perrierophytum rubrum</i>	Hochr.	-	-	-		-	-	-	-
Arecaceae	<i>Phoenix reclinata</i>	Jacq.	-	-	-		-	-	-	-
Phyllanthaceae	<i>Phyllanthus ankarana</i>	Leandri	-	-	-		-	-	-	-

Aronson, J. C., Phillipson, P. B., Le Floch, E. and Raminosoa, T. 2018. Dryland tree data for the southwest region of Madagascar: alpha-level data can support policy decisions for conserving and restoring ecosystems of arid and semiarid regions. *Madagascar Conservation & Development* 13, 1: 60–69. <http://dx.doi.org/10.4314/mcd.v13i1.7> Supplementary Material

Family	Name	Author	Pachycaul	Leaf succulent	Spiny/thorny (Y/N)	Redlist *	Year published	Source **	BC14 endemic ***	sub-arid endemic ***
Phyllanthaceae	<i>Phyllanthus casticum</i>	Willemet	-	-	-		-	-	-	-
Bignoniaceae	<i>Phyllarthron bernierianum</i>	Seem.	-	-	-		-	-	-	-
Bignoniaceae	<i>Phylloctenium decaryanum</i>	H. Perrier	-	-	+		-	-	-	+
Phyсенaceae	<i>Physena sessiliflora</i>	Tul.	-	-	-	LC	2011	MPSG	no	no
Sapindaceae	<i>Plagioscyphus humbertii</i>	Capuron	-	-	-		-	-	-	-
Celastraceae	<i>Polycardia aquifolium</i>	Tul.	-	-	-		-	-	-	-
Fabaceae	<i>Pongamiopsis pervilleana</i>	(Baill.) R. Vig.	-	-	-	LC	1998	IUCN	no	no
Anacardiaceae	<i>Poupartia</i> sp. nov. aff. <i>minor</i>	ined.	+	-	-		-	-	+	+
Anacardiaceae	<i>Poupartia minor</i>	(Bojer) L. Marchand	+	-	-		-	-	+	+
Anacardiaceae	<i>Poupartia silvatica</i>	H. Perrier	-	-	-		-	-	-	-
Bignoniaceae	<i>Rhigozum madagascariense</i>	Drake	-	-	-		-	-	-	+
Sphaerosepalaceae	<i>Rhopalocarpus lucidus</i>	Bojer	-	-	-	LC	2011	MPSG	no	no
Anacardiaceae	<i>Rhus perrieri</i>	(Courchet) H. Perrier	-	-	-		-	-	-	-
Violaceae	<i>Rinorea greveana</i>	Baill.	-	-	-		-	-	-	-
Salvadoraceae	<i>Salvadora angustifolia</i>	Turill	-	-	-		-	-	-	-
Celastraceae	<i>Salvadoropsis arenicola</i>	H. Perrier	-	-	-		-	-	+	+
Anacardiaceae	<i>Sclerocarya birrea</i>	(A. Rich.) Hochst.	-	-	-		-	-	-	-
Phyllanthaceae	<i>Securinea capuronii</i>	Leandri	-	-	-		-	-	-	+
Phyllanthaceae	<i>Securinea perrieri</i>	Leandri	-	-	-		-	-	-	-
Fabaceae	<i>Senna anthoxantha</i>	(Capuron) Du Puy	-	-	-		-	-	-	-
Fabaceae	<i>Senna bosseri</i>	Du Puy & R. Rabev.	-	-	-		-	-	-	+
Fabaceae	<i>Senna leandrii</i>	(Ghesq.) Du Puy	-	-	-		-	-	-	-
Fabaceae	<i>Senna meridionalis</i>	(R. Vig.) Du Puy	-	-	-	VU	2011	MPSG	yes	yes
Fabaceae	<i>Senna viguierella</i>	(Ghesq.) Du Puy	-	-	-		-	-	-	-
Sapotaceae	<i>Sideroxylon saxorum</i>	Lecomte	-	-	-		-	-	-	-
Solanaceae	<i>Solanum bumeliifolium</i>	Dunal in A. DC.	-	-	-	EN	2011	MPSG	yes	yes
Solanaceae	<i>Solanum croatii</i>	D'Arcy & R.C. Keating	-	-	+	VU	2011	MPSG	no	yes
Solanaceae	<i>Solanum heinianum</i>	D'Arcy & R.C. Keating	-	-	-	LC	2011	MPSG	no	yes
Solanaceae	<i>Solanum toliaraea</i>	D'Arcy & Rakot.	-	-	+	CR	2011	MPSG	yes	yes
Sapindaceae	<i>Stadmania oppositifolia</i>	Poir.	-	-	-		-	-	-	-
Bignoniaceae	<i>Stereospermum nematocarpum</i>	A. DC.	-	-	-	VU	2011	MPSG	no	yes
Bignoniaceae	<i>Stereospermum variabile</i>	H. Perrier	-	-	-	VU	2011	MPSG	no	yes
Loganiaceae	<i>Strychnos decussata</i>	(Pappe) Gilg	-	-	-		-	-	-	-
Loganiaceae	<i>Strychnos madagascariensis</i>	Poir.	-	-	-		-	-	-	-
Euphorbiaceae	<i>Suregada decida</i>	Radcl.-Sm.	-	-	-		-	-	-	-
Apocynaceae	<i>Tabernaemontana coffeoides</i>	Bojer ex A. DC.	-	-	-		-	-	-	-
Apocynaceae	<i>Tabernaemontana stellata</i>	Pichon	-	-	-	EN	2011	MPSG	no	no
Fabaceae	<i>Tamarindus indica</i>	L.	-	-	-		-	-	-	-
Rubiaceae	<i>Tarenna masada</i>	(Homolle) comb. ined.	-	-	-		-	-	-	+
Fabaceae	<i>Tephrosia pungens</i>	(R. Vig.) Du Puy & Labat	-	-	+	NT	2011	MPSG	-	-
Combretaceae	<i>Terminalia catappa</i>	L.	-	-	-		-	-	-	-
Combretaceae	<i>Terminalia disjuncta</i>	H. Perrier	-	-	-		-	-	+	+
Combretaceae	<i>Terminalia divaricata</i>	H. Perrier	-	-	-		-	-	+	+
Combretaceae	<i>Terminalia gracilipes</i>	Capuron	-	-	-		-	-	-	+

Aronson, J. C., Phillipson, P. B., Le Floc'h, E. and Raminosoa, T. 2018. Dryland tree data for the southwest region of Madagascar: alpha-level data can support policy decisions for conserving and restoring ecosystems of arid and semiarid regions. *Madagascar Conservation & Development* 13, 1: 60–69. <http://dx.doi.org/10.4314/mcd.v13i1.7> Supplementary Material

Family	Name	Author	Pachycaul	Leaf succulent	Spiny/thorny (Y/N)	Redlist *	Year published	Source **	BC14 endemic ***	sub-arid endemic ***
Combretaceae	<i>Terminalia seyrigii</i>	(H. Perrier) Capuron	-	-	-		-	-	-	+
Combretaceae	<i>Terminalia subserrata</i>	H. Perrier	-	-	-		-	-	+	+
Combretaceae	<i>Terminalia tricristata</i>	Capuron	-	-	-		-	-	-	+
Combretaceae	<i>Terminalia ulexoides</i>	H. Perrier	-	-	-		-	-	-	+
Fabaceae	<i>Tetrapterocarpon geayi</i>	Humbert	-	-	-	LC	2012	IUCN	no	no
Capparaceae	<i>Thilachium pouponii</i>	Aubrév. & Pellegr.	-	-	-		-	-	+	+
Capparaceae	<i>Thilachium seyrigii</i>	Hadj-Moust.	-	-	-		-	-	-	+
Pedaliaceae	<i>Uncarina abbreviata</i>	(Baill.) Ihlenf. & Straka	+	-	-		-	-	-	-
Pedaliaceae	<i>Uncarina decaryi</i>	Humbert ex Ihlenf.	+	-	-		-	-	-	+
Pedaliaceae	<i>Uncarina grandidieri</i>	(Baill.) Stapf	-	-	-		-	-	-	+
Pedaliaceae	<i>Uncarina roeoesliana</i>	Rauh	+	-	-		-	-	-	-
Pedaliaceae	<i>Uncarina stellulifera</i>	Humbert	+	-	-		-	-	+	+
Rutaceae	<i>Vepris lepidota</i>	Capuron	-	-	-	EN	2011	MPSG	no	yes
Ximeniaceae	<i>Ximenia perrieri</i>	Cavaco & Keraudren	-	-	+		-	-	-	+
Sapindaceae	<i>Zanha suaveolens</i>	Capuron	-	-	-		-	-	-	-
Rutaceae	<i>Zanthoxylum decaryi</i>	H. Perrier	-	-	+		-	-	-	-
Rhamnaceae	<i>Ziziphus mauritiana</i>	Lam.	-	-	+		-	-	-	-
Rhamnaceae	<i>Ziziphus mucronata</i>	Willd.	-	-	+		-	-	-	-

References

- Cornet, A. 1974. Essai de Cartographie Bioclimatique à Madagascar Vol. 55. ORSTOM, Paris. Available at <<http://www.documentation.ird.fr/hor/fdi:06946>>
- IUCN. 2015. The IUCN Red List of Threatened Species. <<http://www.iucnredlist.org>> accessed 30 June 2015.
- IUCN Madagascar Plant Specialist Group. 2011. Liste Rouge des Plantes Vasculaires endémiques de Madagascar. Groupe des Spécialistes des Plantes de Madagascar (IUCN/SSC Madagascar Plant Specialist Group). Antananarivo, Madagascar.
- MPSG = IUCN Madagascar Plant Specialist Group
- Oldeman, L. R. 1990. Technical report on agroclimatic characterization of Madagascar. Technical Paper 21. International Soil Reference Information Center, Netherlands.
- Rabarimanarivo, M., Andriambololona, S., Callmander, M.W., Lowry II, P. P., Phillipson, P. B. 2014. Madagascar Catalogue: Progress Report and New Insights. 20th Congress of AETFAT, Stellenbosch, South Africa. January 13–17, 2014.
- Schatz, G. E. 2000. Endemism in the Malagasy tree flora. In: Diversité et Endémisme à Madagascar, Colloque International Biogéographie de Madagascar. S. M. Goodman and W. R. Lourenço (eds.), pp 1–9. Muséum national d'Histoire naturelle, Paris.