

Family 236. MYRSINACEAE

Literature:

Mez, C. 1901. Myrsinaceae in Engler, Pflanzenreich 9 (1901)

Sleumer, H. 1986. Blumea 31: 245-269.

Amblyanthopsis Merrill (1923), *non* Mez = Loheria, Discocalyx

Ardisia Swartz

Literature:

Hu Chi Ming, 1999. *New synonyms and combinations in Asiatic Ardisia*. Blumea 44: 391-406.

Ardisia alvarezii Merr., PJS 26 (1925) 484; EPFP 4 (1925) 250. --Type: BABUYAN ISLS (CALAYAN), LUZON (Cagayan, Apayao). Forests at low altitudes.

Ardisia basilanensis Merr., PJS 12 c (1917) Bot. 153; --Merr., EPFP 3 (1923) 256. BASILAN, MINDANAO: Zamboanga. Primary forests at low and medium altitudes.

Ardisia brevipetiolata (Merr.) Merr., EPFP 3 (1923) 256; --*Ardisia serrata* var. *brevipetiolata* Merr., PJS 2 c (1907) Bot. 296. --Type: Merrill 4049. Mindoro: Mindoro Oriental prov., Baco River near base of Mt Halcon.
Ardisia sibuyanensis Elmer, LPB 4 (1912) 1497; --Merr., EPFP 3 (1923) 263. MINDORO: Mindoro Oriental, SIBUYAN: Mt Giting-giting. Primary forests, also reported along streams, 225-550m. *A. sibuyanensis* is a form with entire leaves.

Ardisia calavitensis Merr., PJS 20 (1922) 423; --Merr., EPFP 3 (1923) 256; MINDORO. Primary forests at low and medium altitudes.

Ardisia castaneifolia Mez in Engl., Pflanzenreich 9 (1902) 138; --Merr., EPFP 3 (1923) 257. LUZON: Bulacan. Probably in forests at low and medium altitudes.

Ardisia confertiflora Merr., PJS 5 c (1910) Bot. 213; --Merr., EPFP 3 (1923) 257. BATAN, FUGA, MINDORO. Low altitude thickets.

Ardisia copelandii Mez, PJS 1 (1906) Suppl. 272; --Merr., EPFP 3 (1923) 257. Borneo, Philippines. MINDANAO: Lanao, Bukidnon, Davao. Primary forests, 600-1000m.

Ardisia crispa (Thunb.) A DC in Trans. Linn. Soc. 17 (1834) 124; --Merr., EPFP 3 (1923) 257. India, S China, Vietnam, Taiwan, Ryukyus, Korea, and Japan, southward to Borneo, Sumatra, Java and the Philippines. LUZON: Ilocos Norte, Mountain Province, Benguet, Nueva Vizcaya, Pangasinan, Zambales. Chiefly in the mossy forest, 800-2200m.

Ardisia cumingiana A DC, Prod. 8 (1844). 136; --Merr., EPFP 3 (1923) 257. LUZON: Ilocos Sur, Benguet, Cagayan, Batangas. Ravines, up to 1500m.

Ardisia curranii Merr., PJS 5 c (1910) Bot. 214; --Merr., EPFP 3 (1923) 258. LUZON: Camarines. Primary forests at low altitudes.

Ardisia curtipes Merr., PJS 5 c (1910) Bot. 372; EPFP 3 (1923) 258.

Ardisia dataensis Mez, Fedde Repert. 16 (1920) 414. –Type:

LUZON: Ifugao, Mountain Province, Benguet. Mossy forests, altitude 1600-2400m.

Ardisia curtiflora Elmer, LPB 8 (1915) 2778; --Merr., EPFP 3 (1923) 258.

MINDANAO: Agusan del Norte (Mt Urdaneta). Mossy forests, c. 1600m.

Ardisia cymosa Blume, Bijdr. (1826) 689; --CM Hu, Blumea 44 (1999) 393.

Ardisia cagayanensis Merr., PJS 7 c (1912) Bot. 323; --Merr., EPFP 3 (1923) 256.

Extra-Philippine distribution? LUZON: Cagayan, CATANDUANES. Primary forests at low altitudes. (as *A cagayanensis* Merr.)

Ardisia darlingii Merr., PJS 5 c (1910) Bot. 215; EPFP 3 (1923) 258; --CM Hu, Blumea 44 (1999) 398.

Ardisia gitingensis Elmer, LPB 4 (1912) 1498; --Merr., EPFP 3 (1923) 258.

var. darlingii

LUZON: Abra, Apayao, Benguet, Nueva Ecija, **Tayabas**, SIBUYAN. Mossy forests and ridges c. 800-1800m.

Ardisia diffusa Merr., PJS 5 c (1910) Bot. 215; EPFP 3 (1923) 258.

MINDANAO: Misamis Occidental (Mt Malindang). Forests, probably at medium altitudes.

Ardisia elmeri Mez, PJS 1 (1906) Suppl. 273; --Merr., EPFP 3 (1923) 258. –Type: Elmer 6493 (MO*, NY*, US*, iso). Luzon: Benguet prov., Baguio, Jun 1904.

Ardisia fragrans Elmer, LPB 2 (1910) 664; --Merr., EPFP 3 (1923) 258, **syn. nov.** –Type: Elmer 11647 (US*, lecto, chosen by BC Stone, 1993; isolecto: BISH*, GH*, L*, MO*, NA*). Mindanao: Davao, Mt Apo, Todaya, Sept 1909.

LUZON: Mountain Province, Benguet (Baguio), Rizal, Sorsogon, MINDANAO: Davao (Mt Apo). Humid lower and midmontane forests, damp ravines, altitude 1200-1600m.

Ardisia geissanthoides Mez, Fedde Repert. 16 (1920) 412; --Merr., EPFP 3 (1923) 258.

MINDORO: Mindoro Oriental (Mt Halcon). Mossy forest, 1800-2000m.

Ardisia ilocana Merr., PJS 14 (1919) 443; EPFP 3 (1923) 259

LUZON: Ilocos Norte (Bangui to Claveria). Forests, c. 500m.

Ardisia iwahigensis Elmer, LPB 5 (1913) 1817; --Merr., EPFP 3 (1923) 259.

PALAWAN: Puerto Princesa (Mt Pulgar =Thumb Peak). Damp primary forests, c. 225m.

Ardisia keithleyi Merr., PJS 10 c (1915) Bot. 335; EPFP 3 (1923) 259.

MINDANAO: Zamboanga, Lanao del Sur (between Malabang and Camp Keithley).

Primary forests, c. 650m.

Ardisia lanceolata Roxb., [Hort. Beng. (1814) 85, nom. nud.] Fl. Ind. ed. Carey 2 (1824) 275; --Merr., EPFP 3 (1923) 259; --CM Hu, Blumea 44 (1999) 401.

Ardisia clementis Elmer, LPB 2 (1910) 665; --Merr., EPFP 3 (1923) 257;

Ardisia lanaensis Mez, Fedde Repert. 16 (1920) 411.

Sumatra, Peninsular Malaysia, Java, Borneo, Philippines, Sulawesi. BASILAN, MINDANAO: Zamboanga, Lanao, Davao (Mt Apo). Primary forests, from the lowlands (sometimes near the seashore) to 1100m.

Ardisia laxiflora Merr., PJS 12 c (1917) Bot. 153; EPFP 3 (1923) 259.

MINDANAO: Lanao. Primary forests at low altitudes.

Ardisia loheri Merr., PJS 12 c (1917) Bot. 152; EPFP 3 (1923) 259.
LUZON: Rizal, Laguna, MINDANAO: Bukidnon. Primary forests at medium altitudes, ascending to 1200m.

Ardisia longipetiolata Merr., PJS 14 (1919) 444; EPFP 3 (1923) 259.
LUZON: Camarines Norte (Paracale). Damp primary forests at low altitudes.

Ardisia macgregorii Merr., PJS 5 c (1910) Bot. 217; EPFP 3 (1923) 260. --Type: BS 1722 McGregor (US*, lecto, selected by BC Stone, 1993). Cebu: near Toledo.
LUZON: Ilocos Norte, CEBU, SAMAR. In thickets and forests at low and medium altitudes.

Ardisia marginata Blume, Bijdr. (1826) 688.
Ardisia apoensis Elmer, LPB 2 (1910) 663; --Merr., EPFP 3 (1923) 256.
Java, Philippines. LUZON: Abra, Mountain Province, Benguet, Cagayan, Nueva Ecija, Rizal, Laguna, Quezon, Camarines, BILIRAN, LEYTE, CAMIGUIN DE MINDANAO, MINDANAO: Davao (Mt Apo). Primary forests at low and medium altitudes, also on forested ridges to 1200m.

Ardisia mezii Elmer, LPB 2 (1908) 440; --Merr., EPFP 3 (1923) 260.
LUZON: Tayabas, Laguna, Sorsogon, MINDANAO: Bukidnon. Primary forests, 700-1200m.

Ardisia mindanaensis Mez in Engl., Pflanzenreich 9 (1902) 102; --Merr., EPFP 3 (1923) 260.
LEYTE, MINDANAO: Lanao, Bukidnon, Davao. Primary forests, 500-1000m.

Ardisia mirandae Merr., PJS 12 c (1917) Bot. 154; EPFP 3 (1923) 260.
LUZON: Camarines. Exposed peaks and ridges in the mossy forest, c. 700m.

Ardisia nigro-maculata Merr., PJS 13 c (1918) Bot. 49; EPFP 3 (1923) 260.
LUZON: Quezon (Mt Binuang), PANAY. Mossy forests, c. 1000m.

Ardisia oreophila CM Hu, Blumea 47 (2002) 496. --Type: Soejarto, Fernando & Sagcal 8828 (holo: L). Palawan: Brookes Point, Mt Mantalingahan. Ridges and slopes of Sindurapi Peak, alt. 1100m.
PALAWAN. Known only from the type collection.

Ardisia palawanensis Merr., PJS 5 c (1910) Bot. 220; EPFP 3 (1923) 261.
PALAWAN (c. 4.8km NE of Puerto Princesa). Undershrub in lowland flat forest.

Ardisia polysticta Miq., Fl. Ind. Bat. Suppl. 1 (1861) 576. --CM Hu, Blumea 44 (1999) 395.
Ardisia jagorii Mez in Engl., Pflanzenreich 9 (1902) 148; --Merr., EPFP 3 (1923) 259
Ardisia pardalina Mez in Engl., Pflanzenreich 9 (1902) 148; --Merr., EPFP 3 (1923) 261
Ardisia ramosii Merr., PJS 7 (1912) 148; --CM Hu, Blumea 44 (1999) 395.
Ardisia sinuato-crenata Mez in Engl., Pflanzenreich 9 (1902) 148; --Merr., EPFP 3 (1923) 263
Extra-Philippine Range? LUZON: Ilocos Norte, Mountain Province, Benguet, Cagayan, Nueva Vizcaya, Bataan, Rizal, Laguna, Camarines, Albay, Sorsogon, MINDORO, PANAY, BILIRAN, LEYTE, SAMAR, MINDANAO. Primary forests from low to high altitudes, in mossy forest ascending to 2300m. (as *A pardalina* and *A ramosii*)

Ardisia pulchella Mez, Fedde Repert. 16 (1920) 410; --Merr., EPFP 3 (1923) 261.

LUZON: Mountain Province, Benguet. Mossy forests, 2000-2400m.

Ardisia pusilla A DC, Trans. Linn. Soc. 17 (1836) 126.

Ardisia reptans Merr., PJS 5 c (1910) Bot. 220; EPFP 3 (1923) 262.

Japan, Ryukyus, Korea, China, Taiwán, Thailand, and the Philippines. LUZON: Pampanga (Mt Abu, along Zambales Range). Forested ravines, c. 1350m.

Ardisia pyramidalis (Cav.) Pers., Syn. 1 (1805) 233; --Merr., EPFP 3 (1923) 261.

Borneo and the Philippines. LUZON: Cagayan to Albay, PALAWAN, MINDANAO, in most islands and provinces. Primary forests at low and medium altitudes, often common.

Ardisia racemoso-paniculata Mez, PJS 1 (1906) Suppl. 273; --Merr., EPFP 3 (1923) 262.

MINDANAO: Davao and North Cotabato (Mt Apo). Primary forests, c. 1600m.

Ardisia reynosoi Stone, Sida 16 (1994) 263. --Type: Argent & Reynoso 89163 (AAU*, iso).

Sibuyan: Mt Giting-giting, above Magdiwang on ridge leading to Mayo's Peak, 'grassy' area above Camp 3, alt. 1400m.

SIBUYAN. Known only from the type collection.

Ardisia rivularis Merr., PJS 13 c (1918) Bot. 50; EPFP 3 (1923) 262.

LUZON: Quezon (Umiray, along Umiray River), in forests at low and medium altitudes.

Ardisia romanii Elmer, LPB 5 (1913) 1820; --Merr., EPFP 3 (1923) 262.

PALAWAN. Forests at low altitudes.

Ardisia saligna Mez in Engl., Pflanzenreich 9 (1902) 143; --Merr., EPFP 3 (1923) 262.

Ardisia macropus Mez, Fedde Repert. 16 (1920) 415; EPFP 3 (1923) 260.

LUZON: Ilocos Norte, Abra, Mountain Province, Benguet, **Tayabas**, Nueva Ecija, Bataan, Bulacan, Rizal, Laguna, Cavite, POLILLO. Primary forests at low and medium altitudes, ascending to 1000m.

Ardisia samarensis Merr., PJS 12 c (1917) Bot. 151; EPFP 3 (1923) 263.

SAMAR (Pinipisakan). Damp primary forests at low altitudes.

Ardisia scabrida Mez in Engl., Pflanzenreich 9 (1902) 118; --Merr., EPFP 3 (1923) 263.

Ardisia punctata Elmer, LPB 2 (1908) 439, non Lindl. (1824). --Type: Elmer 10385 (A*, iso?). Negros: Negros Oriental prov., Cuernos Mtns, June 1908.

NEGROS: Negros Oriental (Cuernos Mtns), CAMIGUIN, MINDANAO: Misamis, Bukidnon, Davao (Mt Apo). Forests, 600-1300m.

Ardisia scalaris Mez in Engl., Pflanzenreich 9 (1902) 142; --Merr., EPFP 3 (1923) 263.

LUZON: Rizal, Quezon. Primary forests along streams at low altitudes. According to Merrill (1923, l.c.), very similar to *A saligna* Mez.

Ardisia serrata (Cav.) Pers., Syn. 1 (1805) 233; --Merr., EPFP 3 (1923) 263; --CM Hu, Blumea 44 (1999) 398.

Ardisia angustifolia A DC. in DC, Prodr. 8 (1844) 134; --Merr., EPFP 3 (1923) 256.

Ardisia abanii Stone, Proc. Acad. Nat. Sci. Philadelphia 142 (1990) 53, Fig. 25.

Ardisia mindorensis Merr., PJS 5 c (1910) Bot. 218; EPFP 3 (1923) 260.

Ardisia oligocarpa Merr., J. Arn. Arb. 35 (1954) 148.

Ardisia oligantha Elmer, LPB 4 (1912) 146; --Merr., EPFP 3 (1923) 260, *non* Baker (1885).

Ardisia whitfordii Mez, PJS 1 (1906) Suppl. 271; --Merr., EPFP 3 (1923) 265.

Ardisia grandidens Mez in Engl., Pflanzenreich 9 (1902) 137; --Merr., EPFP 3 (1923) 259.

Borneo, Philippines. LUZON: Apayao, Ifugao, Mountain Province, Benguet, Cagayan, Nueva Ecija, Rizal, Quezon, POLILLO, MINDORO, PALAWAN, SIBUYAN, PANAY, BILIRAN, LEYTE, SAMAR, MINDANAO. Primary forests from lowland to mossy, on ridges, to 2400m.

(compiled from distribution range of above-cited synonyms, excepting *A abanii* Stone and *A oligocarpa* Merr.)

Ardisia squamulosa C Presl, Rel. Haenk. 2 (1830) 65; --Merr., EPFP 3 (1923) 263

Ardisia pirifolia Mez in Engl., Pflanzenreich 9 (1902) 129; --Merr., EPFP 3 (1923) 261.

Ardisia verrucosa C Presl, Reliq. Haenk. 2 (1835) 66; --Merr., EPFP 3 (1923) 265.

?Endemic to the Philippines. According to Merrill (1923, l.c.), a tree rather than a shrub, not certainly distinct from *A. obovata* Blume. LUZON: Ilocos Norte, Cagayan, Isabela, Pangasinan, **Tayabas**, Cavite, Batangas, MINDORO, PALAWAN, PANAY, MINDANAO: Davao. In most or all islands and provinces. Common in primary forests at low and medium altitudes, ascending to 1000m. *A. verrucosa* is hardly distinguishable from *A. squamulosa*.

Ardidia stichantha Stone, Pacific Sci. 47 (1993) 290. --Type: BS 29315 Ramos & Edaña (US*, holo).

Luzon: Rizal prov., Mt Susong-Dalaga. Aug 1917.

LUZON: Rizal.

Ardisia sulcata Mez in Engl., Pflanzenreich 9 (1902) 112; --Merr., EPFP 3 (1923) 264. --Type: Warburg 12286.

LUZON: Apayao, Cagayan, **Tayabas**, Camarines, BILIRAN, LEYTE, SAMAR. Damp primary forests at low altitudes.

Ardisia tayabensis Merr., PJS 12 c (1917) Bot. 156; EPFP 3 (1923) 264.

LUZON: Aurora (Mt Dingalan). Primary forests at or above 300m.

Ardisia taytayensis Merr., J. Arnold Arbor. 35 (1954) 148.

Ardisia pachyphylla Merr., PJS 12 c (1917) Bot. 154; EPFP 3 (1923) 260, *non* Dunn (1912).

PALAWAN, BALABAC. Dry thickets and borders of forests at low altitudes.

Ardisia tomentosa C Presl, Reliq. Haenk. 2 (1835) 66; --Merr., EPFP 3 (1923) 265; --CM Hu, Blumea 44 (1999) 397.

Ardisia philippinensis A DC, in DC, Prodr. 8 (1844) 128; --Merr., EPFP 3 (1923) 261. --Type: Cuming 1467.

Ardisia cuprea Elmer, LPB 8 (1915) 2777; --Merr., EPFP 3 (1923) 257. --Type: Elmer 13287 (iso in C, L*, NY* 2 sheets). Mindanao: Agusan del Norte prov., Mt Urdaneta.

Ardisia peninsula Elmer, LPB 10 (1939) 3764, not validly published, no Latin description. --Type: Elmer 16615 (iso in C, NA*, NY*). Luzon: Sorsogon prov., Irosin, Mt Bulusan

Sabah, Sarawak and the Philippines. LUZON: Isabela, Nueva Ecija, Zambales, Bulacan, Rizal, Laguna, Batangas, Camarines, Albay, Sorsogon, PANAY, MINDANAO: Agusan del Norte, Surigao. Primary forests at low and medium altitudes, ascending to 450m.

Ardisia villosa Roxb., Fl. Ind. ed. Carey 2 (1824) 272.

Thailand, Vietnam, Hongkong, China, Taiwan, Peninsular Malaysia and the Philippines to Indonesia.

Ardisia warburgiana Mez in Engl., Pflanzenreich 9 (1902) 143; --Merr., EPFP 3 (1923) 265 --CM Hu, Blumea 44 (1999) 396.

Ardisia proteifolia Mez in Engl., Pflanzenreich 9 (1902) 143; --Merr., EPFP 3 (1923) 261

LUZON: Mountain Province, Benguet, Cagayan, Pampanga, Zambales, Sorsogon, MINDORO, PANAY, SAMAR, MINDANAO: Lanao, Bukidnon, Davao (Mt Apo, Todaya),

Agusan. Forests from low altitudes to 1700m.

Ardisia yatesii Merr., PJS 12 c (1917) Bot. 155; EPFP 3 (1923) 266.

LUZON: Quezon near Camarines Norte border (Mt Cadig). Primary forests, 350-400m. Closely allied to *A. tomentosa* C Presl.

Ardisia zambalensis Merr., PJS 10 c (1915) Bot. 334; EPFP 3 (1923) 266.

LUZON: Zambales (Mt Tapulao =High Peak). Exposed forested ridges, 1000-1400m.

Ined. names:

Ardisia bicolana Stone, ined.

Ardisia conklinii Stone, ined.

Discocalyx (A de Candolle) Mez

Discocalyx

Amblyanthopsis philippinensis Mez, PJS 1 (1906) Suppl. 274; --Merr., EPFP 3 (1923) 266. --Type: Merrill 3881. Luzon: Bataan prov., Mt Mariveles.

LUZON: Bataan. Primary forests along small streams, altitude c. 800m.

Discocalyx angustifolia Mez in Engl. Pflanzenreich 9 (1902) 214; --Merr., EPFP 3 (1923) 266.

--Type: Gaudichaud 299 (P).

LUZON: Laguna, Quezon, ALABAT, PANAY. Low altitude damp primary forests.

Discocalyx angustissima Merr., PJS 12 c (1917) Bot. 143; EPFP 3 (1923) 267.

Discocalyx longissima Merr., PJS 17 (1920) 302; EPFP 3 (1923) 268, **synon. nov.** --Type: BS 34456 Ramos & Pascasio.

Luzon: Cagayan, Nueva Ecija, Quezon, MINDANAO: Surigao. Low and medium altitude primary forests, rocky slopes. *D. longissima* is said to differ from *D. angustissima* by its entire leaf margin. The type of the former in US has minute teeth.

Discocalyx brachybotrys Merr., PJS 20 (1922) 424; EPFP 3 (1923) 267. --Type: BS 37463 Ramos & Edaño.

MINDANAO: Zamboanga. Low altitude forests along streams.

Discocalyx cybianthoides (A DC) Mez in Engl. Pflanzenreich 9 (1902) 213; --Merr., EPFP 3 (1923) 267; --*Badula cybianthoides* A DC, Prodr. 8 (1844) 107. --Type:

Borneo, Philippines. LUZON: Ilocos Norte, Abra, Cagayan, Nueva Vizcaya, Pangasinan, Nueva Ecija, Bataan, Bulacan, Rizal, Laguna, Batangas, Quezon, Sorsogon, MINDORO, MASBATE, LEYTE. Low and medium altitude primary forests, often common.

Discocalyx effusa Mez in Engl. Pflanzenreich 9 (1902) 213; --Merr., EPFP 3 (1923) 267. --Type:

LUZON: Nueva Ecija, Rizal, Laguna, Quezon, CATANDUANES, MINDORO, PANAY, NEGROS, MINDANAO: Davao. Low and medium altitude damp primary forests.

Discocalyx euphlebica Merr., PJS 12 c (1917) Bot. 144; EPFP 3 (1923) 267. --Type: BS 17646 Ramos

SAMAR. Low altitude damp primary forests.

Discocalyx filipes Mez, Fedde Repert. 16 (1920) 422; --Merr., EPFP 3 (1923) 267. --Type: BS 1857

Ramos

LUZON: Rizal. Medium altitude primary forests.

Discocalyx hymendroides Mez, Fedde Repert. 16 (1920) 422; --Merr., EPFP 3 (1923) 267. --Type: FB 5096 Curran

LUZON: Benguet, Cagayan, Rizal. Medium altitude damp forests, ascending to 1400m in Benguet.

Discocalyx insignis Merr., PJS 5 c (1910) Bot. 221; EPFP 3 (1923) 268. --Type: FB 7616 Hutchinson (not seen). Mindanao: Agusan del Norte prov., Agusan River valley near Amparo, in forests, altitude c. 130m, 26 Aug 1907.

Discocalyx congestiflora Elmer, LPB 8 (1915) 2780. --Type: Elmer 13724 (BISH*, iso). Mindanao: Agusan del Norte, Cabadbaran, Mt Urdaneta [=Mt Hilong-hilong], Sept 1912.

LUZON: **Tayabas**, Camarines, NEGROS: Negros Occidental (Mt Marapara), LEYTE, MINDANAO: Agusan del Norte (Agusan River valley near Amparo). Low altitude primary forests.

Discocalyx leytensis Merr., PJS 26 (1925) 485; EPFP 4 (1925) 250. --Type: BS 41709 Edaño (US*, iso). Leyte: Mt Abucayan. Feb 1923.

LEYTE. In primary forests.

Discocalyx linearifolia Elmer, LPB 2 (1908) 441; --Merr., EPFP 3 (1923) 268. --Type: Elmer 7674 (A*, iso). Luzon: Quezon prov., Lucban. May 1907.

LUZON: Ilocos Norte, Abra, Kalinga, Mountain Province, Sierra Madre Range from Isabela to Quezon, Laguna, Sorsogon, POLILLO, CATANDUANES, SAMAR, SIARGAO.

Discocalyx longifolia Merr., PJS 7 c (1912) Bot. 325; EPFP 3 (1923) 268. --Type: BS 13181 Foxworthy & Ramos. Luzon: Quezon prov., Quinatacutan, March 1911.

LUZON: Quezon. Low altitude forests.

Discocalyx luzoniensis Merr., PJS 12 c (1917) Bot. 145; EPFP 3 (1923) 268. --Type: BS 26474 (US*, iso). Luzon: Nueva Ecija prov., Mt Umingan, forested slopes between 300-400m, 16 Aug 1916.

LUZON: Nueva Ecija (Mt Umingan). Primary forests, altitude c. 350m.

Discocalyx macrophylla Merr., PJS 5 c (1910) Bot. 222; EPFP 3 (1923) 268. --Type: FB 17237 Curran (US*, iso). Luzon: Cagayan prov., near San Vicente, forest at sea level, 8 Mar 1909.

LUZON: Ilocos Norte, Cagayan. Low altitude forests.

Discocalyx maculata Merr., PJS 7 c (1912) Bot. 326; EPFP 3 (1923) 268. --Type: BS 13967 Ramos. Luzon: Cagayan prov., Abulug River, in forest, Feb 1912.

LUZON: Cagayan. Low altitude forests.

Discocalyx merrillii Mez, PJS 1 (1906) Suppl. 274; --Merr., EPFP 3 (1923) 268. --Syntypes: Merrill 3745 (US*). Luzon: Bataan prov., Mt Mariveles, Jan. 1904; Whitford 213, FB 139 Barnes, FB 1348 Borden. Luzon: Bataan prov., Mt Mariveles along Lamao River.

LUZON: Cagayan, Pangasinan, Zambales, Bataan, Bulacan, Rizal, Quezon. Medium altitude primary forests, ascending to 1000m.

Discocalyx micrantha Merr., PJS 12 c (1917) Bot. 146; EPFP 3 (1923) 268. --Type: BS 27132 Ramos (US*, iso). Luzon: Ilocos Norte prov., Burgos. Low altitude forests along stream, 12 Mar 1917.

LUZON: Ilocos Norte, Isabela (Palanan), MINDANAO: Surigao. Low altitude primary forests.

Discocalyx mindanaensis Elmer, LPB 2 (1910) 674; --Merr., EPFP 3 (1923) 269. –Type: Elmer 11294 (PNH, holo, lost; iso: A*, GH*, MO*, US*). Mindanao: Davao, Mt Apo, Todaya, Aug 1909.

MINDANAO: Lanao del Sur (Camp Keithley), Bukidnon, Davao (Mt Apo), Agusan del Norte. Medium altitude primary forests, ascending to 1200m.

Discocalyx minor Mez in Engl. Pflanzenreich 9 (1902) 213; --Merr., EPFP 3 (1923) 269. –Type: Comision de la Flora Forestal de Filipinas 427 (L*, iso). Luzon: Bulacan prov., Angat.

var. minor

LUZON: Ilocos Norte, Apayao, Cagayan, Bulacan, Rizal, Laguna, Quezon, Camarines, MINDORO. Low altitude primary forests.

var. oligantha Merr., EPFP 3 (1923) 269. –Syntypes: BS 30243 Ramos (US*), 30302 Ramos. Catanduanes. Nov.-Dec. 1917.

CATANDUANES. Low altitude damp primary forests.

Discocalyx montana Elmer, LPB 2 (1908) 443; --Merr., EPFP 3 (1923) 269.

LUZON: Ilocos Norte, Apayao, Cagayan, Mountain Province, Benguet, Nueva Vizcaya, Quezon, Laguna, MINDORO. Stream gullies and forested slopes, altitude 1000-2000m.

Discocalyx pachyphylla Merr., PJS 12 c (1917) Bot. 146; EPFP 3 (1923) 269.

LUZON: Ilocos Norte, Quezon (Guinayanagan). Damp forested slopes at médium altitudes, ascending to 1000m.

Discocalyx palawanensis Elmer, *in sched.*, ex Merr., EPFP 3 (1923) 269; --Discocalyx merrillii Elmer, LPB 5 (1913) 1821, *non* Mez, 1906. –Type: Elmer 12825 (PNH, holo, lost; iso: A*, MO*, US*). Palawan: Mt Pulgar (=Thumb Peak), Mar 1911.

MINDORO, PALAWAN, BANCALAN. Low altitude primary forests.

Discocalyx phanerophlebia Merr., PJS 20 (1922) 425; EPFP 3 (1923) 269. –Type: BS 38690

MINDANAO: Bukidnon. Forests along streams, altitude 1200-1400m.

Discocalyx philippinensis (A DC) Mez in Engl. Pflanzenreich 9 (1902) 212; --Merr., EPFP 3 (1923) 269; --Badula philippinensis A DC, Prodr. 8 (1844) 108. –Type:

LUZON: Ilocos Norte, Mountain Province, Benguet, Nueva Ecija, Pampanga, Bataan, Rizal, Laguna, Batangas, PANAY. Damp ravines and primary forests, extending into the mossy forest, altitude 600-1400m.

Discocalyx psychotrioides Elmer, LPB 2 (1908) 442; --Merr., EPFP 3 (1923) 270.

LUZON: Isabela, Rizal, Laguna, Quezon. Primary forests, altitude 300-800m.

Discocalyx samarensis Merr., PJS 12 c (1917) Bot. 147; EPFP 3 (1923) 270. –Type: FB 24004

Lasquety. Samar: Northern Samar prov., San Jose de Buan, along streams, altitude 300m, 7 May 1915.

SAMAR: Northern Samar (San Jose de Buan). Lowland forest, altitude 300m.

Discocalyx sessilifolia Merr., PJS 12 c (1917) Bot. 149; EPFP 3 (1923) 270. –Type: FB 20735

Rafael & Ponce (US*, iso). Mindanao: Agusan del Norte prov. (indicated in label as Butuan Subprovince), near Butuan (according to protologue). Swamp forest at low altitude, 12 Sept 1913.

MINDANAO: Agusan del Norte. Swamp forest at low altitude.

Discocalyx stenophylla Merr., PJS 12 c (1917) Bot. 148; EPFP 3 (1923) 270. –Type: FB 24815

Pascual (US*, iso). Luzon: Pangasinan prov., Mangatarem. Among undergrowth in forests, altitude c. 300m, 23 Nov 1915.

LUZON: Ilocos Norte, Pangasinan, Rizal. Primary forests, altitude 300-700m.

Discocalyx suluensis Merr., PJS 30 (1926) 420. --Type: BS 44293 Ramos & Edaño (US*, iso). Tawi-tawi. Damp forests at low altitudes, Jul 1924.

TAWI-TAWI. Lowland forests.

Discocalyx tecsonii Merr., PJS 12 c (1917) Bot. 150; EPFP 3 (1923) 270. --Type: FB 24683 Tecson (US*, iso). Basilan: Tumakis, in forest, altitude 20m, locally common, teste Tecson, 4 Nov 1915.

BASILAN (Tumakis; Mt Singal), MINDANAO: Misamis Occidental (Mt Malindang). Low altitude primary forests, altitude 10-100m.

Discocalyx vidalii Mez *in* Engl. Pflanzenreich 9 (1902) 213; --Merr., EPFP 3 (1923) 270. --Type: Vidal 423. Luzon: Quezon prov., Mt Banahaw.

LUZON: Quezon (Mt Banahaw). Perhaps also represented by BS 33312 Ramos, 29288 Ramos & Edaño from primary forests, altitude c. 300m.

Discocalyx xiphophylla Quisumb. & Merr., PJS 37 (1928) 185. --Type: BS 45678 Ramos & Edaño. Luzon: Aurora prov., Mt Alzapan, in forests, altitude c. 1800m, 6 Jun 1925.

LUZON: Aurora (Mt Alzapan). Montane forests, altitude c. 1800m.

Comments from the original protologue: Belonging to the group of *D. linearifolia* Elmer, but totally different in its vegetative and inflorescence characters. Notably differs from *D. angustissima* Merr. in its entire leaves.

Check status:

Discocalyx loheri Merr., --Not in IPNI!

Embelia Burman *filius*

Embelia bataanensis Merr., Govt. Lab. Publ. (Philipp.) 29 (1905) 44; EPFP 3 (1923) 271.

LUZON: Mountain Province, Benguet, Bataan. Ravines and forested ridges, altitude 600-1300m.

Embelia coriacea Wall., Cat. (1830) No. 2314 *nom. nud.*; --A DC, Trans. Linn. Soc. 17 (1834) 135; --Merr., EPFP 3 (1923) 271.

Sumatra, Peninsular Malaysia, Java, Borneo, Philippines. MINDANAO: Lanao del Sur, Bukidnon, Davao, Agusan del Norte. Low and medium altitude primary forests.

Embelia elliptica Merr., PJS 20 (1922) 426; EPFP 3 (1923) 271. --Type: BS 39069 Ramos & Edaño. MINDANAO: Bukidnon. Streamside thickets, altitude 900m.

Embelia loheri Merr., PJS 27 (1925) 45; EPFP 4 (1925) 253. --Type: Loher 13845 (PNH, holo, possibly lost; iso UC). LUZON: Rizal (Mt Paningtingan; Mt Oriud).

Embelia luzoniensis Merr., PJS 20 (1922) 427; EPFP 3 (1923) 271. --Type: BS 20098 McGregor LUZON: Nueva Vizcaya. Medium altitude thickets or forests.

Embelia nigro-punctata Merr., PJS 7 c (1912) Bot. 326; EPFP 3 (1923) 271.

LUZON: Bataan, Rizal, MINDORO, PALAWAN. Low and medium altitude thickets and

forests.

Embelia obtusiuscula Mez, Fedde Repert. 16 (1920) 422; --Merr., EPFP 3 (1923) 271. --Type: Elmer 5881.

LUZON: Benguet. Steep slopes in thickets, altitude c. 1200m.

Embelia ovatifolia Merr., PJS 20 (1922) 428; EPFP 3 (1923) 272. --Type: BS 39001 Ramos & Edaño. MINDANAO: Bukidnon. Forested slopes, altitude c. 1200m.

Embelia philippinensis A DC, Prodr. 8 (1844) 83; --Merr., EPFP 3 (1923) 272.

Rhamnus lando Llanos, Frag. Fl. Philip. (1851) 57; --Fern.-Villar & Naves in Blanco, Fl. Filip. ed. 3, 4¹ (1880) 41.

Samara philippinensis Vidal, Sinopsis Atlas (1883) 30, t. 61, Fig. D.

Borneo, Philippines. LUZON: Benguet, Pangasinan, Nueva Vizcaya, Nueva Ecija, Bulacan, Rizal. Laguna, Sorsogon. LEYTE, MINDANAO: Lanao, Bukidnon, Davao. Medium altitude forests, often common.

Embelia whitfordii Merr., PJS 1 (1906) Suppl. 113; EPFP 3 (1923) 272. --Type: Whitford 453.

Embelia urdanetensis Elmer, LPB 8 (1915) 2783; --Merr., EPFP 3 (1923) 272. --Type: Elmer 13745.

LUZON: Mountain Province, Benguet, Bataan, Laguna, MINDANAO: Agusan del Norte.

Labisia Lindley

Labisia pumila (Blume) Fern.-Villar, Novis. App. (1880) 123; --Merr., EPFP 3 (1923) 266.

Indochina, Sumatra, Peninsular Malaysia, Java, Borneo, Philippines. MINDORO, LEYTE, JOLO. Damp primary forests up to 500m altitude. Very rare and local in the Philippines.

Loheria Merrill

Loheria bracteata Merr., PJS 5 c (1910) Bot. 374; EPFP 3 (1923) 270. --Type: Merrill 4783.

LUZON: Mountain Province, Benguet. Mossy forests, altitude 1900-2400m.

Loheria crassifolia (Merr.) Stone, Micronesica 24 (1991) 72; --*Amblyanthopsis crassifolia* Merr., PJS 14 (1919) 445; EPFP 3 (1923) 266. --Type:

LUZON: Ilocos Norte, Aurora. Forested slopes, altitude c. 1000m.

Loheria jubilaria Stone, Micronesica 24 (1991) 74; --*Loheria radlkoferi* (Mez) Merr., EPFP 3 (1923)

271, *nom. illeg.*; --*Jubilaria radlkoferi* Mez, Fedde Repert. 16 (1920) 421. --Type: Merrill 5743 (US*, iso). Mindoro: Mindoro Oriental prov., Alag River, Nov 1906.

MINDORO. Low altitude damp primary forests.

Loheria porteaana (Mez) Merr., EPFP 3 (1923) 271. --Type:

LUZON: Quezon, Rizal, POLILLO. Low altitude damp primary forests.

Myrsine Linnaeus

Revision:

Pipoly III, J. J. 1996. *Contributions towards a new flora of the Philippines: I. A synopsis of the*

genus Myrsine (Myrsinaceae). Sida 17: 115-162.

Myrsine amorosoana Pipoly, Sida 17 (1996) 126, Fig. 1E-G; --*Rapanea retusa* Merr., PJS 2 c (1907) Bot. 297; EPFP 3 (1923) 274, *non* Aiton, 1789, *nec* *M. africana* var. *retusa* (Aiton) A DC, 1834. --Type: Merrill 5734 (US, lecto, designated by Pipoly, 1996; isolecto K, NY).

LUZON: Benguet (Mt Pulag), Quirino (Mt Alzapan), Aurora (Mt Dingalan), Quezon (Mt Binuang; Quezon National Forest Park, Atimonan), Rizal (Angilog), Camarines Norte, Camarines Sur (Bicol National Park; Mt Isarog), Sorsogon, MINDORO: Mindoro Oriental (N coast, Subaan River headwaters, inland from San Teodoro; Mt Halcon), SIBUYAN (Mt Giting-giting), NEGROS: Negros Occidental (Mt Kanlaon), MINDANAO: Bukidnon (Mt Candoon; Mt Lipa; Kitanglad Range at Mt Kinasalapi and Mt Dulang-dulang). Mid- to high-montane mossy forests, altitude 1400-2825m.

Myrsine apoensis (Elmer) Pipoly, Sida 17 (1996) 125, Fig. 1D; --*Rapanea apoensis* Elmer, LPB 2 (1910) 669; --Merr., EPFP 3 (1923) 273. --Type: Elmer 10629 (A, lecto, designated by Pipoly, 1996; isolecto at BISH, GH, 2 sheets, K, L, NY). Mindanao: Davao, Mt Apo, Todaya, May 1909.

MINDANAO: Davao (Mt Apo, Todaya; Mt McKinley), North Cotabato (Mt Apo, Kidapawan, Geothermal Project Site). High-montane mossy forest, 1666-2900m.

Myrsine aralioides (Philipson) Pipoly, Sida 17 (1996) 152, Fig. 3A, B; --*Rapanea aralioides* Philipson, J. Bot. (London) 78 (1939) 104. --Type from Sabah.

Borneo (Sabah), Philippines: MINDANAO: Davao Oriental (Mt Hamiguitan; Mati, South Basiao; along Biga Creek), Surigao (del Sur prov.?), PALAWAN (Mt Bloomfield). Altitude 150-200m in Palawan. Seen at c. 1200m on Mt Hamiguitan. On ultramafics.

Myrsine avenis (Blume) A DC, Trans. Linn. Soc. 17 (1834) 107; --Pipoly, Sida 17 (1996) 144, Fig. 2H, I; --*Rapanea avenis* (Blume) Mez in Engl., Pflanzenreich 9 (1902) 357; --Merr., EPFP 3 (1923) 273, excl. *Rapanea fastigiata* (in synonymy); --*Ardisia avenis* Blume, Bijdr. (1825) 691. --Type from Java.

Sumatra, Java, Buru, Borneo (Sarawak; Brunei; Sabah; E & W Kalimantan), Philippines, Sulawesi. LUZON: Ilocos Norte (Mt Palimlim), Abra, Mountain Province, Ifugao (Banawe, Bayninan), Benguet (Mt Pulogloco; Mt Sto Tomas; Baguio and vicinity), Bataan (Mt Mariveles, Lamao River), Rizal (Mt Susong Dalaga; Sumag; Montalban), Laguna (Mt Makiling); Laguna-Quezon (Mt Banahaw), Quezon (Lucban), Camarines Norte (Paracale), Camarines Sur (Mt Isarog), MINDORO: Mindoro Oriental (Mt Halcon; Mansalay, Mt Yagaw), NEGROS: Negros Occidental (Mt Kanlaon), MINDANAO: Bukidnon (Mt Kitanglad), Davao (Mt Apo). Hill to mossy forests and wind-swept ridges, altitude (300-)1400-2400m.

Myrsine cruciata (Philipson) Pipoly, Sida 17 (1996) 130, Fig. 1H, I; --*Rapanea cruciata* Philipson, J. Bot. (London) 77 (1939) 105. --Type from Mt Kinabalu, Sabah.

Philippines, Borneo (Sabah: Mt Kinabalu). LUZON: Abra, Zambales, PALAWAN (Mt Beaufort). At least recorded between 490-815m in Palawan, on presumably ultramafic habitat.

Myrsine densiflora Scheffer, Comm. Myrs. Archipelago Ind. (1876) 50; --Pipoly, Sida 17 (1996) 132, Fig. 2A, D.

Philippines, Sulawesi, Moluccas, Papua New Guinea. BATAN, LUZON: Pangasinan, Zambales, PALAWAN, PANAY: Capiz, NEGROS, SAMAR, DINAGAT, MINDANAO: Surigao.

Myrsine fastigiata (Elmer) Pipoly, Sida 17 (1996) 149, Fig. 3E, H; --*Rapanea fastigiata* Elmer, LPB 2 (1910) 670; --Merr., EPFP 3 (1923) 273, under synonymy of *Rapanea avenis*. --Type: Elmer

11447 (GH, lecto, designated by Pipoly, 1996; islecto: A, K, L, NY). Mindanao: Davao, Mt Apo, Todaya, altitude 2000m, Aug 1909.

LUZON: Ifugao (Mt Polis), Mountain Province (Bontoc; Mt Caua), Benguet (Atok, Pauai and vicinity; Mt Tabayoc; Mt Pulag; Mt Singakalsa; Mt Nangaoto; Baguio; Mt Sto Tomas), Zambales (Sta Cruz), Bataan (Mt Mariveles, upper Lamao River), Camarines Norte (Paracale), BILIRAN (Mt Suiro), MINDANAO: Bukidnon (Mt Lipa), Davao (Mt Apo). Low to high montane sites, but most conspicuous at 2000-2500m.

Myrsine glandulosa (Elmer) Pipoly, Sida 17 (1996) 154, Fig. 3C,D; --*Rapanea glandulosa* Elmer, LPB 8 (1915) 2784; --Merr., EPFP 3 (1923) 273. --Type: Elmer 14148 (A, lecto, designated by Pipoly, 1996; islecto: BISH, GH, L, K, NY). Mindanao: Agusan del Norte prov., Cabadbaran, Mt Urdaneta [=Mt Hilong-hilong], altitude 1524m, Oct 1912.

NEGROS: Negros Occidental (Mt Kanlaon, SW slopes), Negros Oriental (Cuernos Mtns), LEYTE, MINDANAO: Bukidnon (Malaybalay, Kaatoan; Davao del Sur (Mt McKinley), South Cotabato (Mt Matutum), Agusan del Norte (Mt Hilong-hilong). Montane forests, altitude 1350-2242m.

Myrsine mediciloe Pipoly, Sida 17 (1996) 122, Fig. 1A, B; --*Rapanea angustifolia* Merr., PJS 20 (1922) 429, *non* *Myrsine angustifolia* (A DC) D Dietr., 1839, *nec* *Myrsine angustifolia* E Meyer ex Schimper, 1872, *nom. nud.*, *nec* *Myrsine angustifolia* Heller, 1897, *nec* *Myrsine angustifolia* (Mez) Hosaka, 1940. --*Suttonia angustifolia* Mez, Pflanzenreich 9 IV.236 (1902) 337. --Type: BS 33243 Ramos (A, lecto, designated by Pipoly, 1996). Luzon: Ilocos Norte prov., Mt Nagapatan, Aug 1918.

LUZON: Ilocos Norte (Mt Nagapatan; Burgos; Sicapoo Range, en-route from miner's camp to Mt Burnay), Zambales (Mt Tapulao), Bataan (Mt Mariveles, Lamao River). Submontane mossy forests, altitude 1000-1800m.

Myrsine mindanaensis (Elmer) Pipoly, Sida 17 (1996) 140, Fig. 2G; --*Rapanea mindanaensis* Elmer, LPB 2 (1910) 671; --Merr., EPFP 3 (1923) 273. --Type: Elmer 11332 (K, lecto, designated by

Pipoly, 1996; islecto: A, BISH, GH, L, NY). Mindanao: Davao, Mt Apo, Todaya, Aug 1909.

LUZON: Camarines Sur (Mt Isarog), BILIRAN: Biliran (Naval, Libtong), LEYTE: Leyte (Cabalian), MINDANAO: Davao del Sur; Davao-North Cotabato (Mt Apo). Low to high montane forests, altitude 895-2200m

Myrsine oblongibacca (Merr.) Pipoly, Sida 17 (1996) 129, Fig. 1C; --*Rapanea oblongibacca* Merr., PJS 20 (1922) 429; EPFP 3 (1923) 273. --Type: BS 33256 Ramos (A, lecto, designated by Pipoly, 1996; islecto: K, US*). Luzon: Ilocos Norte prov., Mt Palimlim, Aug 1918.

LUZON: Ilocos Norte (Mt Palimlim), Cagayan (Mt Cagua; Mt Dos Cuernos; Mt Tabuan, Bauan district; Mt Balatongan), Nueva Ecija (Mt Umingan [=Mingan], Aurora (Mt Dingalan), Rizal (Mt Susong Dalaga), DINAGAT. Possibly a submontane species at perhaps 800-1500m altitudes. In Ilocos Norte and Dinagat possibly growing on ultramafics.

Myrsine penibukana (Philipson) Pipoly, Sida 17 (1996) 147, Fig. 31; --*Rapanea penibukana* Philipson, London J. Bot. 78 (1939) 105. --Type from Mt Kinabalu, Sabah.

Borneo (Mt Kinabalu) and the Philippines. LUZON: Abra (Mt Posuey), Aurora (Mt Dingalan), Rizal. Altitude 1000-1200m.

Myrsine peregrina (Mez) Pipoly, Sida 17 (1996) 136, Fig. 3F, G; --*Rapanea peregrina* Mez, Repert. Spec. Nov. Regni Veg. 16 (1920) 424. --Type: MS Clemens 917 (US, lecto, designated by Pipoly, 1996; islecto: A). Mindanao: Lanao del Sur prov., Camp Keithley, Lake Lanao, Jun 1907.

Rapanea venosa Elmer, LPB 2 (1910) 672; --Merr., EPFP 3 (1923) 274, *non* *Rapanea venosa* (A DC) Mez, 102, *nec* *Myrsine venosa* A DC, 1841. --Type: Elmer 11445 (GH, lecto, designated by Pipoly 1996;

isolecto: A, BISH, K, L, NY). Mindanao: Davao, Mt Apo, Todaya, altitude 2000m, Aug 1909.
BATAN (Mt Iraya), LUZON: Mountain Province (Mt Caua; Mt Data), Nueva Ecija (Mt Umingan [=Mingan]), MINDORO: Mindoro Oriental (Mt Halcon), PALAWAN: Palawan (Lipuun Peak), PANAY: Capiz (Mt Bulilao), Iloilo (Iwa Ilaya [=Iwaya] to Coyaoyao [=Koya]), MINDANAO: Misamis Occidental (Mt Malindang, Lake Duminagat), Lanao del Sur (Camp Keithley), Bukidnon (Mt Kitanglad; Mt Kinasalapi; Kaatoan), Davao-North Cotabato (Mt Apo, Todaya and Kidapawan approaches, respectively), Davao del Sur (Mt McKinley), Davao Oriental (Mt Kampalili), South Cotabato (Mt Matutum). Submontane and montane "mossy forests, up to 2800m.

Myrsine philippinensis A DC, Prodr. 8 (1844) 94; --Pipoly, Sida 17 (1996) 141, Fig. 2E, F. --Type: Cuming 869 (G, holo, not seen; fragm. in A, iso: K-2sheets, L). Luzon: Albay prov., 1841.
Rapanea philippinensis (A DC) Mez, in Engl., Pflanzenreich 9 (1902) 364; --Merr., EPFP 3 (1923) 273.
LUZON: Batangas, Quezon (Infanta; Tagkawayan; Calauag Bay), Camarines Norte (Paracale), Albay, POLILLO, MINDORO: Mindoro Oriental (Baco), SIBUYAN (Mt Giting-giting), CUYO ISL GROUP (PAMALICAN), GUIMARAS, LEYTE, SAMAR: Northern Samar, JOLO, MINDANAO: Surigao del Norte. Coastal forests and secondary vegetation, on sands and mangrove swamps, sea level to 305m.

Rapanea Aublet = *Myrsine*