

Family 165. SAPINDACEAE

Revision:

Adema, F, PW Leenhouts, PC van Welzen. 1994. *Sapindaceae*. Flora Malesiana series. 1, 11: 419-768.

Adema, F, PW Leenhouts, PC van Welzen. 1996. *Sapindaceae*. Tree Flora of Sabah and Sarawak 2: 263-374.

Alectryon Gaertner

Alectryon fuscus Radlk., PJS 8 c (1913) 446, 461; --Merr., EPFP 2 (1923) 506; --Leenh., Blumea 33 (1988) 318; --Leenh. in Adema et al., Fl. Males. ser. 1, 11 (1994) 456. --Type: Ahern 747 (M, holo; iso: BO, NY).

LUZON: Ilocos Sur, Bataan. Low altitude thickets and forests. Fr. Jan (ripe?).

Alectryon glaber (Blume) Radlk., Sapind. Holl.-Ind. (1879) 14 ; --Leenh., Blumea 33 (1988) 323, Fig. 2; Fl. Males. ser. 1 from the Lesser Sunda Isls.

Alectryon excisus Radlk., PJS 8 c (1913) 460; --Merr., EPFP 2 (1923) 506. --Type: Ahern 470 (M, holo; iso BO).

Alectryon inaequilaterus Radlk., PJS 8 c (1913) 446, 460; --Merr., EPFP 2 (1923) 506. --Merrill 5393 (M, holo).

Alectryon ochraceus Radlk., PJS 8 c (1913) 446, 460; --Merr., EPFP 2 (1923) 506. --Type: FB 17455 Curran (M, holo).

Philippines, Sulawesi, Seram, Kai Isls.

LUZON, MINDORO, PALAWAN, NEGROS, SULU ARCHIPELAGO (UBIAN), MINDANAO, TINAGO. Coralline limestone cliffs along seashore, low altitude thickets and forests.

Allophylus Linnaeus

All species of *Allophylus* were lumped by Leenhouts to this single, very polymorphic entity:

Allophylus cobbe (L.) Raeusch., Nomencl. ed. 3 (1779) 108; --Leenh., in Adema et al., Fl. Males. ser. 1, 11 (1994) 459, Fig. 6; --Rhus *cobbe* L., Sp. Pl. (1753) 267.

S America, S Africa, Madagascar, Myanmar, Indochina through Peninsular Malaysia to New Guinea.

Widespread in the Philippines in most islands and provinces.

Allophylus apiocarpus Radlk., Sitz. Kgl. Bayer. Akad. 38 (1908) 227; --Merr., EPFP 2 (1923) 494. --Type:

CEBU, BASILAN, MINDANAO. Thickets or forests at low altitudes.

Allophylus brevipetiolatus Radlk., PJS 8 c (1913) 443, 449; --Merr., EPFP 2 (1923) 494. --Type: PANAY. Slopes in open forests at low altitudes.

Allophylus chlorocarpus Radlk., Sitz. Kgl. Bayer. Akad. 38 (1908) 227; --Merr., EPFP 2 (1923) 494. --Type:

SAMAR, PALAWAN, MINDANAO: Zamboanga, Davao. Old clearings, thickets, etc., ascending to 700m.

Allophylus dimorphus Radlk., Act. Congr. Bot. Amsterdam 1877 (1878) 126 (Sapind. Holl.-Ind. 56); --Merr., EPFP 2 (1923) 494.

Indochina. LUZON: Ilocos Norte, La Union, Cagayan, Zambales, Bataan, Pampanga, Bulacan, Rizal, Laguna, Batangas, MINDORO, CUYO. Dry thickets and second-growth forests at low altitudes. Common.

Allophylus filiger Radlk., Act. Congr. Bot. Amsterdam 1877 (1878) 126 (Sapind. Holl.-Ind. 56); -- Merr., EPFP 2 (1923) 494. --Type: LUZON: Cagayan, Nueva Ecija, Bataan, Bulacan, Rizal, Laguna. Secondary and primary forests at low altitudes, ascending to 500m.

Allophylus granulatus Radlk., PJS 8 c (1913) 444, 451; --Merr., EPFP 2 (1923) 495. --Type: LUZON: Ilocos Norte, Benguet, Isabela. Forested slopes at low and medium altitudes.

Allophylus grossedentatus (Turcz.) Fern.-Villar, Novis. App. (1880) 51; --Merr., EPFP 2 (1923) 495; --Schmidelia . --Type:

LUZON: Laguna, LEYTE. Forests at low altitudes, ascending to 500m.

Allophylus hymenocalyx Radlk., Sitz. Kgl. Bayer. Akad. 38 (1908) 227; --Merr., EPFP 2 (1923) 495. --Type: MINDANAO: Zamboanga, Davao, Agusan. Forests up to 1000m.

Allophylus insignis Radlk., Sitz. Kgl. Bayer. Akad. 38 (1908) 227; --Merr., EPFP 2 (1923) 495. --Type: Cuming 1447. Luzon: Nueva Ecija prov.

LUZON: Nueva Ecija. "also in Palawan *fide* Radlkofer. Not seen; probably very close to *A. dimorphus* Radlk." --Merr., (1923, l.c.)

Allophylus largifolius Radlk., Sitz. Kgl. Bayer. Akad. 38 (1908) 227; --Merr., EPFP 2 (1923) 495. --Type:

MINDANAO: Zamboanga. Forested ravines at low altitudes.

Allophylus leptocladus Radlk. in Elmer, LPB 5 (1913) 1602; --Merr., EPFP 2 (1923) 495. --Type: MINDANAO: Lanao, Davao (Mt Apo, Todaya). Forests, 1200-1600m.

Allophylus leucochrous Radlk., PJS 8 c (1913) 444; --Merr., EPFP 2 (1923) 495. --Type: LUZON: Sorsogon, POLILLO. Thickets and forests at low and medium altitudes.

Allophylus lopezii Merr., PJS 26 (1925) 469; EPFP 4 (1925) 249. --Type: BS 41387 Lopez BUSUANGA. Forests at low altitudes.

Allophylus macrostachyus Radlk. in Perkins, Frag. Fl. Philip. (1904) 56; --Merr., EPFP 2 (1923) 496. --Type:

LUZON: Benguet, Pangasinan, Nueva Ecija, Pampanga, Bataan, Rizal, Laguna, Quezon, Batangas. MINDORO. Secondary and open primary forests at low altitudes.

Allophylus malvaceus Radlk., Sitz. Kgl. Bayer. Akad. 38 (1908) 227; --Merr., EPFP 2 (1923) 496. --Type: Cuming 1021.

LUZON: Pangasinan. Type not seen by Merrill.

Allophylus peduncularis Radlk., PJS 8 c (1913) Bot. 443, 450; --Merr., EPFP 2 (1923) 496. --Type: LUZON: Sorsogon, MASBATE, TICA. Thickets and forests at low altitudes.

Allophylus racemosus (L.) Radlk. *in* Engl. & Prantl, Nat. Pflanzenfam. 3, 5 (1895) 313; --Merr., EPFP 2 (1923) 496.

Myanmar and Indochina, across Malesia. LUZON: Bulacan, PALAWAN, NEGROS, MINDANAO, BASILAN, SULU ARCHIPELAGO Thickets and forests at low altitudes.

Allophylus samarensis Radlk., PJS 11 c (1916) 192; --Merr., EPFP 2 (1923) 496. --Type: SAMAR. Forested slopes, c. 200m.

Allophylus setulosus Radlk. *in* Perkins, Frag. Fl. Philip. (1904) 58; --Merr., EPFP 2 (1923) 496. --Type: MINDANAO: Zamboanga, JOLO. Thickets at low altitudes.

Allophylus simplex Quisumb., PJS 76 (1944) 44, *non* Baill. (1894). --Type: Merrill 7262 (not seen). Palawan: Palawan prov., Malampaya Bay, low altitude forests, 18 Sept 1910. PALAWAN, BALABAC. Lowland forests.

Allophylus simplicifolius Radlk. *in* Elmer, LPB 5 (1913) 1601; --Merr., EPFP 2 (1923) 496. --Type: SAMAR, MINDANAO: Zamboanga, Davao, Agusan, SIARGAO. Forests up to 500m.

Allophylus stenophyllus Radlk., PJS 14 (1919) 417; --Merr., EPFP 2 (1923) 497. --Type: LUZON: Ilocos Norte. Dry thickets at low altitudes.

Allophylus subinciso-dentatus Radlk. *in* Elmer, LPB 5 (1913) 1603; --Merr., EPFP 2 (1923) 497. --Type: MINDANAO: Davao, Surigao. Thickets and forests at low and medium altitudes, ascending to 1000m.

Allophylus ternatus (JR & G Forst.) Radlk. *in* Engl. & Prantl, Nat. Pflanzenfam. 3, 5 (1895) 313; --Merr., EPFP 2 (1921) 497; --*Aporetica ternata* JR & G Forst., Char. Gen. Pl. (1775) 66, t. 66; --Blanco, Fl. Filip. (1837) 290. --Type: Borneo to the Carolines, Timor, tropical Australia, New Caledonia, New Hebrides, and the Marshall Isls. LUZON: Zambales, Bataan, Quezon, Camarines, Albay, POLILLO, MINDORO, LEYTE, MINDANAO, BASILAN. Thickets along the seashore and along tidal streams.

Allophylus timorensis (DC) Blume, Rumphia 3 (1847) 130; --Merr., EPFP 2 (1923) 497; --*Schmidelia timorensis* DC, Prodr. 1 (1824) 611, nom. illeg. --Type from Timor. Nicobar Isls eastward to Taiwan, across Malesia to Samoa and New Caledonia. LUZON: Zambales, Quezon, Camarines, Sorsogon, MINDORO, DUMARAN, PALAWAN, BALABAC, BANCALAN, SIBUYAN, MASBATE, PANAY, NEGROS, BOHOL, SAMAR, MINDANAO, SULU ARCHIPELAGO Common in thickets along the seashore.

Allophylus triphyllus (Burm.f.) Merr., PJS 19 (1921) 363; --Merr., EPFP 2 (1923) 497. Across Malesia. PALAWAN, BASILAN, JOLO. Thickets at low altitudes.

Allophylus unifoliolatus Radlk. *in* Elmer, LPB 1 (1907) 208; --Merr., EPFP 2 (1923) 498. --Type: LEYTE. Forests and thickets at low altitudes.

Aphania Blume =Lepisanthes subgenus Aphania (Blume) Leenh.

Arytera Blume

Arytera litoralis Blume, Rumphia 3 (1847) 170; --Merr., EPFP 2 (1923) 512, incl. forma *rufescens* (Turcz.) Radlk. ex Gibbs, J. Linn. Soc. Bot. 42 (1914) 65; --H Turner, Blumea 38 (1993) 142; --H Turner in Adema et al. Fl. Males. ser. 1, 11 (1994) 473, Fig. 8 c-e.

Arytera xerocarpa (Blume) Adelb., Blumea 6 (1948) 324. --Type from Nusa Kambangan, Indonesia. NE India, all over SE Asia to S China (Hainan), across Malesia. Throughout the Philippines.

Cardiospermum Linnaeus

Cardiospermum halicacabum L., Sp. Pl. (1753) 336; --Merr., EPFP 2 (1923) 493; --Fl. Males. ser. 1, 11 (1994) 484.

Pantropic. Certainly an introduced plant in the Philippines. In thickets, waste places, etc. in the settled areas throughout the archipelago.

Crossonephelis Baillon =Glenniea

Cubilia Blume

Cubilia cubili (Blanco) Adelb., Blumea 6 (1948) 325; Fl. Males. ser. 1, 11 (1994) 491.

Cubilia blancoi Blume, Rumphia 3 (1847) 101; --Merr., EPFP 2 (1923) 505. --Type:

E Borneo, Philippines, Sulawesi, W Moluccas. LUZON: Benguet, Cagayan, Bataan, Bulacan, Rizal, Laguna, MINDORO, BILIRAN, SAMAR, MINDANAO: Zamboanga, Agusan, Surigao. Medium altitude primary forests.

Dictyoneura Blume

Dictyoneura acuminata Blume, Rumphia 3 (1847) 163; --J. Dijk, Blumea 31 (1986) 441; --J. Dijk in Adema et al., Fl. Males. ser. 1, 11 (1994) 508, Fig. 20 a-c.

ssp. acuminata

Dictyoneura philippinensis Radlk. in Elmer, LPB 5 (1913) 1613; --Merr., EPFP 2 (1923) 510. --Type:

Dictyoneura rhomboidea Radlk., PJS 6 c (1911) 182; --Merr., EPFP 2 (1923) 510. --Type: BS 10359 RC McGregor (US*, iso). Polillo.

Dictyoneura sphaerocarpa Radlk. in Elmer, LPB 1 (1907) 209; --Merr., EPFP 2 (1923) 510. --Type: Elmer 7157 (L*, iso). Leyte: Leyte prov., Palo, Jan 1906.

E Borneo, Philippines, C & S Sulawesi, Moluccas (Buru; Seram; Halmahera), NE New Guinea. POLILLO, LEYTE, SAMAR, CAMIGUIN, BASILAN, MINDANAO. Low and medium altitude primary and secondary forests.

Dimocarpus Loureiro

Dimocarpus foveolatus (Radlk.) Leenh., Blumea 19 (1971) 118--Leenh. in Adema et al., Fl.

Males. ser. 1, 11 (1994) 513; --Euphoria foveolata Radlk., PJS 8 c (1913) Bot. 445, 457. --Type: BS 7370 Ramos

LUZON: Cagayan, PANAY, SAMAR. Low and medium altitude forests.

Dimocarpus fumatus (Blume) Leenh., Blumea 19 (1971) 119.

ssp. philippinensis Leenh., Blumea 19 (1971) 121; --Leenh. in Adema et al., Fl. Males. ser. 1, 11

(1994) 516, Fig. 22d.

Pseudonephelium fumatum (Blume) Radlk., Nachtr. Sapind. Holl.-Ind. (1878) 71; --Merr., EPFP 2 (1923) 504.

LUZON: Apayao, Cagayan, PANAY, SAMAR. Lowland forests.

Dimocarpus longan Lour., Fl. Cochinch. (1790) 233

ssp. malesianus Leenh., Blumea 19 (1971) 126; --Leenh. in Adema et al., Fl. Males. ser. 1, 11 (1994) 517, Fig. 22g.

var. malesianus

Euphoria gracilis Radlk. in Elmer, LPB 5 (1913) 1606; --Merr., EPFP 2 (1923) 503. --Type:

Euphoria longana Lam., Encycl. 3 (1791) 574; --Merr., Fl. Manila (1912) 305; --Radlk., PJS 8 c (1913) Bot. 445.

Euphoria didyma Blanco, Fl. Filip. (1837) 288; ed. 2 (1845) 201; ed. 3 (1878) 10, nom. illeg.; --Merr., Sp. Blancoanae (1918) 240.

Myanmar, Laos, Cambodia, S Vietnam, Sumatra, Peninsular Malaysia, Borneo, Philippines, Sulawesi, Moluccas. LUZON: Bataan, Pampanga. Lowland forests.

var. echinatus Leenh., Blumea 19 (1971) 128; Fl. Males. ser. 1, 11 (1994) 519, Fig. 22e.

Euphoria nephelioides Radlk., PJS 8 c (1913) Bot. 445, 457; --Merr., EPFP 2 (1923) 503.

Nephelium schneideri Merr., PJS 13 c (1918) Bot. 23.

Euphoria microcarpa Radlk.,

Borneo, S Philippines. BASILAN, MINDANAO.

Dodonaea Miller

Dodonaea angustifolia L.f., Suppl. (1782) 218; --Leenh. in Adema et al., Fl. Males. ser. 1, 11 (1994) 523, Fig. 24c.

Tropics and subtropics of the World. In Malasia known from Java, Lesser Sunda Isls, Philippines, Sulawesi, Moluccas, and New Guinea. Common pioneer of secondary vegetation at higher altitudes: forest edges of lower montane forests, abandoned cultivation, shrubberies, thin forests, etc.

Dodonaea viscosa (L.) Jacq., Enum. Pl. Carib. (1760) 19; --Leenh. in Adema et al., Fl. Males. ser. 1, 11 (1994) 526, Fig. 24a-b; --Merr., EPFP 2 (1923) 514, excl. synonym *D. angustifolia*.

Pantropic. Throughout Malasia. Coastal vegetation behind sandy beach or in Barringtonia formation, limestone .

Elattostachys (Blume) Radlkofer

Elattostachys verrucosa (Blume) Radlk., Act. Congr. Bot. Amsterdam 1877 (1878) 113 (Sapind. Holl.-Ind. 43); --Merr., EPFP 2 (1923) 511; --Adema et al., Fl. Males. ser. 1, 11 (1994) 533, Fig. 27.

Java, Philippines, Sulawesi, Lesser Sunda Isls (Bali; Lombok; Sumbawa; Sumba; Flores; Wetar; Timor), Moluccas (Tanimbar Is).

LUZON, MINDORO, PALAWAN, SULU.

Erioglossum Blume =Lepisanthes subgenus Erioglossum (Blume) Leenh.

Euphoria Commerson ex Jussieu =Litchi

Euphoria auct. non Jussieu = *Dimocarpus*

Euphorianthus Radlkofer

Euphorianthus euneurus (Miq.) Leenh., *Blumea* 33 (1988) 198; --Leenh. in Adema et al., *Fl. Males. ser. 1*, 11 (1994) 536, Fig. 28.
Euphorianthus obtusatus Radlk. ex Koord., *Meded. Lands Plantent.* 17 (1898) 406, *nomen*; *PJS* 20 (1922) 660, descr., --Merr., *EPFP* 2 (1923) 510.
Lesser Sunda Isls (Alor), S Philippines, Sulawesi, Moluccas (Halmahera; Sula Isls; Seram), New Guinea, Vanuatu.

Ganophyllum Blume

Ganophyllum falcatum Blume, *Ann. Mus. Bot. Lugd.-Bat.* 1 (1850) 230; --Leenh. in Adema et al., *Fl. Males. ser. 1*, 11 (1994) 538, Fig. 29; --Merr., *EPFP* 2 (1923) 515.
Andaman Isls, Nicobar Isls, across Malesia to Australia (Western, the Northern Territory, and Queensland).

Glenniea Hooker filius

Glenniea philippinensis (Radlk.) Leenh., *Blumea* 22 (1975) 412; --Leenh. in Adema et al., *Fl. Males. ser. 1*, 11 (1994) 542; --*Crossonephelis philippinensis* (Radlk.) Leenh., *Blumea* 21 (1973) 100; --*Hedyachras philippinensis* Radlk. in Engl., *Bot. Jahrb.* 56 (1920) 258; *PJS* 20 (1922) 660, descr. ampl.; --Merr., *EPFP* 2 (1923) 502.
SE Thailand, Vietnam, Borneo (Sabah), Philippines.
LUZON: Laguna (Mt Makiling), PANAY, DINAGAT. Lowland thickets and forests along streams. *Fl.* Jun, Oct; *fr.* May-Dec.

Glenniea thorelii (Pierre) Leenh., *Blumea* 22 (1975) 412; --Adema et al., *Fl. Males. ser. 1*, 11 (1994) 544, Fig. 30 a, b.
Lepisanthes palawanica Radlk. in Elmer, *LPB* 5 (1913) 1604; --Merr., *EPFP* 2 (1923) 500.
Crossonephelis palawanica (Radlk.) Leenh., *Blumea* 21 (1973) 97.
Alectryon sp., Leenh., *Blumea* 17 (1969) 88.
S Vietnam, Sumatra (Indragiri, Palembang), Borneo, W-C Philippines, and W New Guinea (Birdhead peninsula).
Lowland primary forest on alluvial plains, slopes, or ridges, also along riverbanks, up to 200m. *Fl.* Apr, Oct, Dec; *fr.* Mar, Sept.

Gloeocarpus Radlkofer

Gloeocarpus patentivalvis (Radlk.) Radlk. in Engl., *Bot. Jahrb.* 56 (1920) 253, *in nota*; --Merr., *EPFP* 2 (1923) 509; --Welzen, *Blumea* 35 (1991) 390; --Welzen in Adema et al., *Fl. Males. ser. 1*, 11 (1994) 546, Fig. 31; --*Cupaniopsis patentivalvis* Radlk. in Elmer, *LPB* 5 (1913) 1612. --Type:
LUZON, LEYTE, SAMAR, MINDANAO. Lowland primary dipterocarp forest, along ridges, riverbanks, altitude 60-400m. *Fl.* Jul; *fr.* Feb-Mar, May, Dec.

Gongrospermum Radlkofer

Gongrospermum philippinense Radlk., PJS 8 c (1913) 447; --Merr., EPFP 2 (1923) 512; --
Welzen, Rheedea 1 (1991) 60; --Welzen in Adema et al., Fl. Males. ser. 1, 11 (1994) 548, Fig. 32.
--Type: BS 12358 RC McGregor.
LUZON: Laguna. Forested slopes, low altitude.

Guioa Cavanilles

Guioa acuminata Radlk., PJS 8 c (1913) 446, 463; --Merr., EPFP 2 (1923) 506; --Welzen, Leiden Bot.
ser. 12 (1989) 171, Fig. 61; --Welzen in Adema et al., Fl. Males. ser. 1, 11 (1994) 563. --Lectotype:
BS 10916 Ramos (M, holo, designated by Welzen, 1989; iso: US).
C & E LUZON, POLILLO. Lowland secondary forests up to 100m. Fl. Throughout the
year.

Guioa bicolor Merr., PJS 17 (1920) 279; --Merr., EPFP 2 (1923) 507; --Welzen, Leiden Bot. ser. 12
(1989) 181; --Welzen in Adema et al., Fl. Males. ser. 1, 11 (1994) 566. --Type: BS 34487 Ramos &
Pascasio (PNH, holo, lost; iso: A, K, P).
SABTANG, LUZON, MINDANAO. On ridges, woods, cut forest. Soil: iron deposit
present, altitude 130-850m. Bud Apr, fr. May.

Guioa bijuga (Hiern) Radlk., Sapind. Holl.-Ind. (1879) 38; --Welzen, Leiden Bot. ser. 12 (1989) 183;
---Welzen in Adema et al., Fl. Males. ser. 1, 11 (1994) 567.
Thailand, Sumatra, Peninsular Malaysia, Borneo, W Philippines.
PALAWAN, BALABAC.

Guioa diplopetala (Hassk.) Radlk., Nachtr. Sapind. Holl.-Ind. (1878) 88; --Perkins, Fragm. Fl.
Philip. (1904) 63; --Radlk., PJS 8 c (1913) Bot. 446; --Merr., EPFP 2 (1923) 507; --Welzen, Leiden
Bot. ser. 12 (1989) 197, Fig. 76, 77; --Welzen in Adema et al., Fl. Males. ser. 1, 11 (1994) 574.
Myanmar, Thailand, Cambodia, Vietnam, Sumatra, Peninsular Malaysia, Java, Borneo,
Sulawesi.
Welzen omitted the Philippines in the distribution range of the species, but Perkins
(1904) and Merrill (1923) cite Ahern 514 from MINDANAO: Surigao. In thickets or forests
At low altitudes.

Guioa discolor Radlk. in Elmer, LPB 5 (1913) 1609; --Merr., EPFP 2 (1923) 507; --Welzen, Leiden
Bot. ser. 12 (1989) 203, Fig. 78; --Welzen in Adema et al., Fl. Males. ser. 1, 11 (1994) 574. --Type:
LUZON: Isabela, Aurora, SAMAR. Primary diptocarp forests, 90-850m. Fl. May-Jun.

Guioa koelreuteria (Blanco) Merr., Sp. Blancoanae (1918) 241; EPFP 2 (1923) 507; --Welzen,
Leiden Bot. ser. 12 (1989) 219, Fig. 76, 86; --Welzen in Adema et al., Fl. Males. ser. 1, 11 (1994)
576.
Guioa mindorensis Merr., PJS 20 (1922) 404; --Merr., EPFP 2 (1923) 508. --Type:
Guioa salicifolia Radlk. in Elmer, LPB 5 (1913) 1608; --Merr., EPFP 2 (1923) 509. --Type:
Borneo (isls NE off Sabah), Philippines. Throughout the Philippines in most islands and
provinces. Low and médium altitude second-growth forests, common.

Guioa myriadenia Radlk. in Elmer, LPB 5 (1913) 1610; --Merr., EPFP 2 (1923) 509; --Welzen, Leiden
Bot. ser. 12 (1989) 240, Fig. 98; --Welzen in Adema et al., Fl. Males. ser. 1, 11 (1994) 580. --Type:
Guioa falcata Radlk., PJS 8 c (1913) Bot. 446, 461; --Merr., EPFP 2 (1923) 507. --Type:
Guioa ferruginea Merr. ex Salvosa, Lex. Philip. Trees (1963) 105, nom. nud., based on BS 42181 Ramos.
Guioa obtusa Merr., PJS 12 c (1917) Bot. 276; --Merr., EPFP 2 (1923) 508. --Type: BS 26636 Ramos (NY*,
US*, iso). Luzon: Aurora prov., Mt Dingalan, on forested slopes, altitude c. 270m, 19 Sept 1916.
LUZON: Mountain Province, Benguet, Aurora. Primary forest, forested slopes, along
pine crests, altitude 270-1700m. Fl. Dec-Apr; fr. Jul.

Guioa palawanica Welzen, Blumea 33 (1988) 415, pl. 15a, b; --Welzen in Adema et al., Fl. Males. ser. 1, 11 (1994) 583. --Type: BS 697 Foxworthy (L*, holo; iso: M, US*). Palawan: Palawan prov., Mt Victoria, along rocky bank of river, 23 Mar 1906

Guioa glauca sensu Merr., EPFP 2 (1923) 507, *non* (Labill.) Radlk. (1878).

PALAWAN. Lowland forest on ultramafics, in stunted montane forest with many epiphytes, and along rivers, altitude 200-815m. Fr. Nov-Mar.

Guioa parvifoliola Merr., PJS 14 (1919) 417; --Merr., EPFP 2 (1923) 508; --Welzen, Leiden Bot. ser. (PNH, holo, lost; iso: A, K, P, US*). Luzon: Ilocos Norte prov., Mt Nagapatan, Aug 1910.

12 (1989) 252

LUZON: Ilocos Norte. Dry slopes, altitude c. 700m. Fr. Aug.

Guioa pleuropteris (Blume) Radlk., Act. Congr. Bot. Amsterdam 1877 (1878) 109 (Sapind. Holl.-Ind. 39); --Merr., EPFP 2 (1923) 508; --Welzen, Leiden Bot. ser. 12 (1989) 257; --Welzen in Adema et al., Fl. Males. ser. 1, 11 (1994) 585, Fig. 38 b, 41, 42 (map);

Guioa aptera Radlk. in Perkins, Frag. Fl. Philip. (1904) 62; --Merr., EPFP 2 (1923) 506. --Type:

Guioa lasiothyrsa Radlk. in Perkins, Frag. Fl. Philip. (1904) 63; --Merr., EPFP 2 (1923) 508, incl. forma *elmeri* Radlk. --Type:

Guioa subapiculata Radlk. in Perkins, Frag. Fl. Philip. (1904) 64; --Merr., EPFP 2 (1923) 509. --Type:

Myanmar, Thailand, Vietnam, Cambodia; Malesia: Sumatra, Peninsular Malaysia, Borneo, the Philippines. LUZON: Cagayan, Isabela, Aurora, Quezon, Bataan, Laguna, Camarines, PALAWAN, PANAY, NEGROS, LEYTE, MINDANAO: Zamboanga Peninsula, Lanao. Primary forests at low and medium altitudes.

Guioa pubescens (Zoll. & Moritzi) Radlk., Act. Congr. Bot. Amsterdam 1877 (1878) 109 (Sapind. Holl.-Ind. 39); --Merr., EPFP 2 (1923) 509; --Welzen, Leiden Bot. ser. 12 (1989) 272; --Welzen in Adema et al., Fl. Males. ser. 1, 11 (1994) 591.

Sumatra, Peninsular Malaysia, Singapore, Banka, W Java, Karimundjawa Is, Borneo (above equator), SW Philippines.

PALAWAN (Puerto Princesa, Mt Pulgar). Forests, altitude 75-600m.

Guioa reticulata Radlk., PJS 8 c (1913) 446, 462; --Merr., EPFP 2 (1923) 509; --Welzen, Leiden Bot. ser. 12 (1989) 277; --Welzen in Adema et al., Fl. Males. ser. 1, 11 (1994) 592. --Lectotype (Welzen 1989): BS 7055 Ramos (M, holo; iso: NSW).

Guioa sulphurea Radlk., PJS 8 c (1913) 276; --Merr., EPFP 2 (1923) 509. --Type: FB 22429 Alvarez (M, holo; iso: F, L*, NSW).

LUZON: Ilocos Sur, Abra, Benguet, Nueva Ecija. Secondary forests and forested slopes, altitude 600-1200m. Fl. Jan-Feb; fr. May.

Guioa truncata Radlk. in Elmer, LPB 5 (1913) 1611; --Merr., EPFP 2 (1923) 509; --Welzen, Leiden Bot. ser. 12 (1989) 292, Fig. 125; --Welzen in Adema et al., Fl. Males. ser. 1, 11 (1994) 596. --

Type:

Elmer 11219 (M, holo; iso: A, BM, F, FI, K, L*, NY*, U*, US*, W). Mindanao: Davao, Mt Apo, Todaya, forest at 4000ft, Jul 1909.

MINDANAO: Davao (Mt Apo). Dense moist forests and mossy forests, altitude 1300-2300m. Fl. Mar, fr. Jul.

Harpulia Roxburgh

Harpullia arborea (Blanco) Radlk., Sitz. Kgl. Bayer. Akad. 16 (1886) 404; --Merr., EPFP 2 (1923) 515; --Adema et al., Fl. Males. ser. 1, 11 (1994) 601, Fig. 45, 45 a-f.

Harpullia arborea var. *megalocarpa* Merr., PJS 27 (1925) 35; EPFP 4 (1925) 253. --Type: Loher 13273.

Luzon: Rizal prov.

Sri Lanka, India, Thailand, S Vietnam, throughout Malasia. Throughout the Philippines

especially in the more seasonal areas. Low to médium altitude thickets and secondary forests.

Harpullia cupanioides Roxb., Hort. Beng. (1814) 86, *nomen nud.*; Fl. Ind. ed. 2, 1 (1832) 645.

--Merr., EPFP 2 (1923) 516; --Adema et al., Fl. Males. ser. 1, 11 (1994) 606, Fig. 46g, h.

Harpullia macrocalyx Radlk., PJS 8 c (1914) Bot. 448, 473; --Merr., EPFP 2 (1923) 516. --Type: Loher 5891 (M, holo).

S China, India (Assam), Bangladesh, Andaman Isls, Myanmar, Thailand, Indochina, throughout Malesia, N Australia (Northern Territory: Entrance Is, Port Essington).

LUZON: Benguet, Rizal, Laguna, CATANDUANES, PANAY, SIKUIJOR, SULU

ARCHIPELAGO. Lowland to montane primary and secondary forests up to 1500m.

Harpullia ramiflora Radlk., Sapind. Holl.-Ind. (1879) 15, 54; --Adema et al., Fl. Males. ser. 1, 11

(1994) 611, Fig. 46m. --Type from Aru Isls.

Philippines, Moluccas (Halmahera), New Guinea, Australia (Queensland).

CATANDUANES, CEBU.

Hebecoccus Radlkofer = *Lepisanthes* subg. *Lepisanthes*
sect. *Hebecoccus* (Radlk.) Leenh.

Hedyachras Radlkofer = *Glennia*

Lepidopetalum Blume

Revision:

Welzen, PC van, P Piskaut, & FI Windadri. 1992. *Lepidopetalum* Blume (Sapindaceae):

Taxonomy, phylogeny, and historical biogeography. *Blumea* 36: 439-465.

Lepidopetalum perrottetii (Cambess.) Blume, Rumphia 3 (1847) 171; --Merr., EPFP 2 (1923)

514; Welzen et al., *Blumea* 36 (1992) 458, Fig. 2c, 3a, 7; --Adema et al., Fl. Males. ser. 1, 11

(1994) 624, Fig. 50 c-d; --Cupania perrottetii Cambess., Mém. Mus. Hist. Nat. Paris 18 (1829) 45.

--Type: Perrottet *sn* (P, holo; iso L*, P). Philippines, Zamboanga [=Zamboanga], not Manila.

Lachnometalium glabrum Turcz., Bull. Soc. Nat. Moscou 36 (1863) 586, nom. illeg.; --Vidal, Phan. Cuming.

(1885) 38, 105. --Cuming 1169 (holo unknown; iso: L*, M, MEL, NY*, P). Luzon: Ilocos Sur prov.

Cupania richii A Gray, US Exp. Exp. Bot. 1 (1854) 257; --Merr., PJS 3 c (1908) Bot. 79. --Type: US Expl.

Exped. (A, holo; iso: US*). Mindanao: Zamboanga, Caldera.

N & E Philippines. Lowlands generally from sea-level to 1200m. Along roadsides, secondary forests, wastelands, forest edges. Possibly two flowering seasons: Jan-Mar (-Apr) and May-Jun. Fr. (Feb to) Mar-Jun and Sept to Nov (to Feb).

Lepisanthes Blume

Lepisanthes falcata (Radlk.) Leenh., *Blumea* 17 (1969) 69; --Adema et al., Fl. Males. ser. 1, 11

(1994) 633.

Hebecoccus falcatus Radlk., PJS 8 c (1914) Bot. 444, 453; --Merr., EPFP 2 (1923) 499. --Type:

Hebecoccus inaequalis Radlk., PJS 8 c (1913) Bot. 453; --Merr., EPFP 2 (1923) 499. --Type:

ssp. falcata

LUZON, PALAWAN, CEBU, LEYTE. Forested slopes and ridges, altitude up to 320m. Fl.

Nov; fr. Mar.

ssp. borneensis (Leenh.) Leenh., *Blumea* 18 (1970) 429; --Leenh. in Adema et al., *Fl. Males.* ser. 1, 11 (1994) 634, Fig. 52f.
Lepisanthes borneensis Leenh., *Blumea* 17 (1969) 68.
Borneo, Philippines.
PALAWAN.

Lepisanthes fruticosa (Roxb.) Leenh., *Blumea* 17 (1969) 76; --Leenh. in Adema et al., *Fl. Males.* ser. 1, 11 (1994) 643, Fig. 52b; --*Otophora fruticosa* (Roxb.) Blume, *Rumphia* 3 (1847) 142; --Merr., *EPFP* 2 (1923) 500.
Otophora cauliflora Merr., *PJS* 13 c (1918) Bot. 24; *EPFP* 2 (1923) 500. --Type:
Otophora glandulosa Radlk., *Univ. Calif. Publ. Bot.* 15 (1929) 174; Radlk. in *Engl. Pflanzenreich. Sapindac.* (1932) 763, *descr. ampl.* (1932) 763, *descr. ampl.*
Otophora grandifoliola Quisumb. & Merr., *PJS* 37 (1928) 163. --Type:
Otophora oliviformis Radlk., *PJS* 6 c (1911) Bot. 24; *EPFP* 2 (1923) 501. --Type:
Otophora setigera Radlk., *PJS* 8 c (1913) Bot. 445; *EPFP* 2 (1923) 501. --Type:

Lepisanthes rubiginosa (Roxb.) Leenh., *Blumea* 17 (1969) 82; --Leenh. in Adema et al., *Fl. Males.* ser. 1, 11 (1994) 649, Fig. 52c; --*Erioglossum rubiginosum* (Roxb.) Blume, *Rumphia* 3 (1847) 118; --Merr., *EPFP* 2 (1923) 498;

Lepisanthes senegalensis (Poir.) Leenh., *Blumea* 17 (1969) 85; --Leenh. in Adema et al., *Fl. Males.* ser. 1, 11 (1994) 651, Fig. 52a.
Aphania angustifolia Radlk. in *Elmer, LPB* 1 (1907) 209; --Merr., *EPFP* 2 (1923) 499. --Type:
Aphania loheri Radlk., *PJS* 8 c (1913) Bot. 444, 452; --Merr., *EPFP* 2 (1923) 499. --Type:
Aphania philippinensis Radlk. in *Perkins Frag. Fl. Philip.* (1904) 60; --Merr., *EPFP* 2 (1923) 499. --Type:

Lepisanthes tetraphylla (Vahl) Radlk., *Sitz. Math.-Phys. Cl. Kgl. Bayer. Akad. Wiss. Münch.* 8 (1878) 276; --Leenh., *Blumea* 17 (1969) 39, 63; --Leenh. in Adema et al., *Fl. Males.* ser. 1, 11 (1994) 630, Fig. 52h.
Lepisanthes acutissima Radlk., *PJS* 20 (1922) 657; --Merr., *EPFP* 2 (1923) 499.
Lepisanthes eriolepis Radlk., *Act. Congr. Bot. Amsterdam 1877* (1878) 107 (*Sapind. Holl.-Ind.* 36); --Merr., *EPFP* 2 (1923) 500.
Lepisanthes macrocarpa Radlk., *PJS* 20 (1922) 657; --Merr., *EPFP* 2 (1923) 500
Lepisanthes schizolepis Radlk., *Sapind. Holl.-Ind. Nachtr.* (1878) 87; --Merr., *EPFP* 2 (1923) 500.
Lepisanthes viridis Radlk., *PJS* 8 c (1913) Bot. 445, 454; --Merr., *EPFP* 2 (1923) 500.
Sri Lanka, India (Deccan peninsula) to Hainan, Sumatra, Peninsular Malaysia, Java, Borneo, Philippines, N Sulawesi, Timor, New Guinea. LUZON: Ilocos Norte, Cagayan, Isabela, Nueva Ecija, Bulacan, Rizal, Laguna, Batangas, Quezon, Camarines, MINDORO, NEGROS, LEYTE, MINDANAO: Zamboanga, Agusan. Primary and secondary forests, altitude 0-1200m.

Litchi Sonnerat

Litchi chinensis Sonn., *Voy. Ind. Or. Chine* 2 (1782) 230, t. 129

ssp. philippinensis (Radlk.) Leenh., *Blumea* 19 (1971) 129; --Leenh. in Adema et al., *Fl. Males.* ser. 1, 11 (1994) 654.
Litchi philippinensis Radlk., *PJS* 8 c (1913) Bot. 445, 458, incl. forma *mindanaensis* Radlk., --Merr., *EPFP* 2 (1923) 504. --Type:
Litchi philippinensis forma *mindanaensis* Radlk.,
Euphoria didyma Blanco, *Fl. Filip.* (1837) 288; --Merr., *EPFP* 2 (1923) 502. --Type:
Euphoria stellulata (Turcz.) Radlk., *Sitz. Kgl. Bayer. Akad.* 8 (1878) 303; --Merr., *EPFP* 2 (1923) 504.
Nephelium didymum Craib., *Fl. Siam. Enum.* 1 (1926) 329.
Philippines and SE New Guinea.

LUZON, SIBUYAN, SAMAR, MINDANAO. Primary and secondary forests from sea level to 500m altitude.

Cultivated:

Litchi chinensis Sonn. **ssp. chinensis**

Mischocarpus Blume

Mischocarpus pentapetalus (Roxb.) Radlk., Sapind. Holl.-Ind. (1879) 43; --RWJM van der Ham, Blumea 23 (1977) 271; --RW van der Ham in Adema et al., Fl. Males. ser. 1, 11 (1994) 662, Fig. 58c.

Mischocarpus brachyphyllus Radlk., PJS 8 c (1913) Bot. 447; --Merr., EPFP 2 (1923) 512.

Mischocarpus ellipticus Radlk. in Elmer, LPB 1 (1907) 210; --Merr., EPFP 2 (1923) 513.

Mischocarpus endotrichus Radlk. in Elmer, LPB 5 (1913) 1615; --Merr., EPFP 2 (1923) 513.

Mischocarpus fuscescens Blume, Rumphia 3 (1847) 169; --Merr., EPFP 2 (1923) 513.

Mischocarpus salicifolius Radlk. in Perkins, Frag. Fl. Philip. (1904) 64; --Merr., EPFP 2 (1923) 513.

India, Myanmar, SW China, throughout SE Asia to W Malesia up to the line Philippines-Borneo, Java.

Mischocarpus sundaicus Blume, Bijdr. (1825) 238; --Merr., EPFP 2 (1923) 513; --Adelb., Blumea 6 (1948) 324; --RWJM van der Ham, Blumea 23 (1977) 281; --RWJM van der Ham in Adema et al., Fl. Males. ser. 1, 11 (1994) 667, Fig. 58g.

India and S China through SE Asia and throughout Malesia.

Mischocarpus triqueter Radlk. in Perkins, Frag. Fl. Philip. (1904) 65; --Merr., EPFP 2 (1923) 514; --RWJM van der Ham in Adema et al., Fl. Males. ser. 1, 11 (1994) 668, Fig. 58h, i. --Type:

Mischocarpus cauliflorus Radlk., PJS 8 c (1913) Bot. 447, 471; --Merr., EPFP 2 (1923) 513. --Type:

LUZON, MINDORO, GUIMARAS, NEGROS. Primary forests up to 500m. Fl. Oct, Jan; fr. Feb-Jul.

Nephelium Linnaeus

Nephelium cuspidatum Blume, Rumphia 3 (1847) 110

var. robustum (Radlk.) Leenh., Blumea 31 (1986) 385; --Leenh. in Adema et al., Fl. Males. ser. 1, 11 (1994) 674; --*Nephelium robustum* Radlk. in Elmer, LPB 5 (1913) 1607; --Merr., EPFP 2 (1923) 505.

Borneo, Philippines.

PALAWAN (Mt Pulgar =Thumb Peak, one collection).

Nephelium lappaceum L., Mant. 2 (1771) 566; --Merr., EPFP 2 (1923) 504; --Leenh., Blumea 31 (1986) 398; --Leenh. in Adema et al., Fl. Males. ser. 1, 11 (1994) 680.

var. lappaceum

Thailand, Sumatra, Peninsular Malaysia, Borneo, W & C Java, SW Philippines, and possibly Seram.

PALAWAN, BASILAN.

var. pallens (Hiern) Leenh., Blumea 31 (1986) 402; --Leenh. in Adema et al., Fl. Males. ser. 1, 11 (1994) 683.

Nephelium chryseum Blume, Rumphia 3 (1847) 105; --Merr., EPFP 2 (1923) 504.

Nephelium mutabile Blume var. *pallens* Hiern. In Hook.f., Fl. Brit. India 1 (1875) 678.

SW China (Yunnan), Hainan, Thailand, Indochina, Sumatra, Peninsular Malaysia, Borneo, SW Philippines, Sulawesi.

PALAWAN, SULU ARCHIPELAGO.

Nephelium melanomiscum Radlk., Sapind. Holl.-Ind. (1879) 74; --Leenh., Blumea 31 (1986) 410; --Leenh. in Adema et al., Fl. Males. ser. 1, 11 (1994) 687.
Nephelium xerospermoides Radlk. in Elmer, LPB 5 (1913) 1608; --Merr., EPFP 2 (1923) 505.
Borneo, S Philippines.
MINDANAO.

Nephelium ramboutan-ake (Labill.) Leenh., Blumea 31 (1986) 415; --Leenh. in Adema et al., Fl. Males. ser. 1, 11 (1994) 689, Fig. 60i.
Nephelium intermedium Radlk. in Perkins, Frag. Fl. Philip. (1904) 61; --Merr., EPFP 2 (1923) 504.
Nephelium mutabile Blume, Rumphia 3 (1847) 104; --Merr., EPFP 2 (1923) 505.
Nephelium philippinense Monsalud et al., PJS 95 (1966) 541, nom. inval.
India (Assam), Myanmar, and Malesia: Sumatra, Peninsular Malaysia, Java (doubtfully native), Borneo, Philippines: LUZON, MINDORO, PALAWAN, LEYTE, SAMAR, MINDANAO (Davao), BASILAN, SULU ARCHIPELAGO

Otophora Blume *emend.* Radlkofer =Lepisanthes subg. Otophora (Blume) Leenh.
sect. Pseudotophora (Radlk.) Leenh. [sect. Otophora not represented in the Philippines].

Paranephelium Miquel

Paranephelium xestophyllum Miq., Fl. Ind. Bat. Suppl. (1861) 509; --Merr., EPFP 2 (1923) 514; --David, Blumea 29 (1984) 437, Fig. 1; --Davids in Adema et al., Fl. Males. ser. 1, 11 (1994) 696, Fig. 64b-d, 65.
SW China (Yunnan), Myanmar, Thailand, Laos, C Vietnam, Sumatra, Peninsular Malaysia, Borneo, S Philippines.
MINDANAO.

Pometia JR & G Forster

Pometia pinnata JR & G Forst., Char. Gen. (1776) 109, t. 55; --Merr., EPFP 2 (1923) 505; --Jacobs in Adema et al., Fl. Males. ser. 1, 11 (1994) 701, Fig. 66, 67.
Pometia pinnata forma repanda Jacobs, Reinwardtia 6 (1962) 127. --Type: PNH 9627 Canicosa (L*, holo; iso: PNH). Luzon: Laguna prov., Mt Makiling, 28 Jul 1949.
Pometia tomentosa (Blume) Teysm. & Binn., Cat. Hort. Bogor. (1886) 214; --Merr., EPFP 2 (1923) 506; --Pometia pinnata forma tomentosa (Blume) Jacobs, Reinwardtia 6 (1962) 130.
Throughout Malesia.
BABUYAN ISLS, LUZON (Ilocos Norte, Cagayan, Bataan, Laguna), MINDORO, PALAWAN, TICAQ, MASBATE, NEGROS, CEBU, LEYTE, SAMAR, MINDANAO. In everwet to seasonal regions, in both primary and secondary forests, regardless of

Rhysotoechia Radlkofer

Rhysotoechia ramiflora Radlk., Sitzb. Math.-Phys. Acad. Muench. 9 (1879) 657; --Etman, Blumea 39 (1994) xxx; --Etman in Adema et al., Fl. Males. ser. 1, 11 (1994) 710. --Type from Sulawesi.
Rhysotoechia acuminata Radlk., PJS 8 c (1913) Bot. 465; --Merr., EPFP 2 (1923) 510. --Type: Loher 5882 (K, M). Luzon:
Rhysotoechia striata Radlk., PJS 8 c (1913) Bot. 466; --Merr., EPFP 2 (1923) 510. --Lectotype (Etman, 1994): Clemens 1067 (M). Mindanao. Paratypes: Clemens 'K', 778, 978.

Borneo (E Kalimantan), Philippines, Sulawesi.
LUZON, SAMAR, SULU, MINDANAO.

Sapindus Linnaeus

Sapindus saponaria L., Sp. Pl. (1753) 367; --Merr., EPFP 2 (1923) 498; --Leenh. in Adema et al., Fl. Males. ser. 1, 11 (1994) 689, Fig. 60i.

Apparently a native of tropical and subtropical America (Florida to N Argentina), widely cultivated and naturalized in the tropics and subtropics.

Trigonachras Radlkofer

Trigonachras cultrata (Turcz.) Radlk., Act. Congr. Bot. Amsterdam 1877 (1878) 116 (Sapind. Holl.-Ind. 46); --Merr., EPFP 2 (1923) 511; --Leenh., Blumea 33 (1988) 207; --Leenh. in Adema et al., Fl. Males. ser. 1, 11 (1994) 737, Fig. 80c.

Trigonachras brachycarpa Radlk. in Elmer, LPB 5 (1913) 1614; --Merr., EPFP 2 (1923) 510.

Trigonachras membranacea Radlk., PJS 8 c (1913) Bot. 447, 468; --Merr., EPFP 2 (1923) 511.

Trigonachras obliqua Radlk., PJS 8 c (1913) Bot. 447, 467; --Merr., EPFP 2 (1923) 511.

Trigonachras rigida Radlk., PJS 8 c (1913) Bot. 447, 467, *pro parte*; --Merr., EPFP 2 (1923) 511, *pro parte*, excluding *FB 18727 Darling* (= *T. cuspidata*)

Trigonachras spectabilis Radlk., PJS 8 c (1913) Bot. 447, 469; --Merr., EPFP 2 (1923) 511.

LUZON: Cagayan, Zambales, Camarines, Sorsogon, TICA0, ROMBLON, TABLAS, PANAY, MINDANAO: Bukidnon, Davao, Agusan, Surigao. Lowland forests, on ridges, along rivers, near the seashore, altitude up to 500m. Fl. Apr & May, fr. Jun-Aug.

Trigonachras cuspidata Radlk., PJS 6 c (1911) Bot. 182; --Merr., EPFP 2 (1923) 511; --Leenh., Blumea 33 (1988) 210; --Leenh. in Adema et al., Fl. Males. ser. 1, 11 (1994) 738, Fig. 80d.

Trigonachras falcato-cuspidata Radlk., PJS 20 (1922) 661; --Merr., EPFP 2 (1923) 511.

Trigonachras rigida Radlk., PJS 8 c (1913) Bot. 447, 467; --Merr., EPFP 2 (1923) 511, as to *FB 18727 Darling* only.

LUZON, POLILLO, possibly also Mindanao. Behind mangrove and in lowland forests. Fl. Feb-Mar, fr. Jun-Jul.

Tristira Radlkofer

Tristira triptera (Blanco) Radlk., Act. Congr. Bot. Amsterdam 1877 (1878) 133 (Sapind. Holl.-Ind. 63); --Merr., EPFP 2 (1923) 502; --Leenh. in Adema et al., Fl. Males. ser. 1, 11 (1994) 740, Fig. 81.

Tristira pubescens Merr., Govt. Lab. Publ. (Philip.) 6 (1904) 12, incl. forma genuina Radlk. & forma *hemidasya* Radlk., --Merr., EPFP 2 (1923) 502.

E Philippines, Sulawesi, Moluccas (Sula Isls; Seram).

Tristiropsis Radlkofer

Tristiropsis acutangula Radlk. [in Dur., Index Gen. Phan. (1888) 76, nom. nud.] Sitz. Math.-Phys.

Cl. Konigl. Bayer Akad. Wiss. Münch. 20 (1890) 248; --Leenh. in Adema et al., Fl. Males. ser. 1, 11 (1994) 743, Fig. 82d-e.

Tristiropsis oblonga Radlk., PJS 8 c (1913) Bot. 445, 456; --Merr., EPFP 2 (1923) 501.

Tristiropsis ovata Radlk. in Elmer, LPB 5 (1913) 1605; --Merr., EPFP 2 (1923) 501.

Tristiropsis subfalcata Radlk., PJS 8 c (1913) Bot. 445, 455; --Merr., EPFP 2 (1923) 502.

Christmas Is, Kangean Archipelago, Bawean, Madura, Flores, Timor, SE Borneo, Philippines, Muna Is (near SE Sulawesi), Moluccas (Halmahera; Sula; Kai Is), New Guinea, Admiralty Is, Solomon Is, Queensland, Marianas (Guam), Carolinas (Palau Is).

MINDORO, GUIMARAS, BASILAN, MINDANAO.