

Family 245. LOGANIACEAE

Revisions:

Leenhouts, PW. 1962. *Loganiaceae*. Flora Malesiana series 1, 6: 293-387; idem 1, 9 (1982) 567-568.

Wong, KM and JB Sugau. 1996. *Loganiaceae*. Tree Flora of Sabah and Sarawak 2: 189-224.

Buddleia Linnaeus

Buddleia asiatica Lour., Fl. Cochinch. (1789) 72; --Merr., Fl. Manila (1912) 367; EPFP 3 (1923) 316; --Leenh., Fl. Ma
Pakistan, India to S China and Taiwan, throughout Malesia, Marianas (Guam; Saipan).
N LUZON to PALAWAN and MINDANAO. In thickets, recent slides, open places, etc.,
chiefly at medium altitudes, sometimes at sea level, ascending to 2000m..

Couthovia A Gray =Neuburgia

Cynoctomum J Gmelin =Mitreola

Fagraea Thunberg

Fagraea auriculata Jack, Malay Misc. 2, No. 7 (1822) 82; --Elmer, LPB 2 (1909) 509; --Merr., EPFP 3
(1923) 314; --Leenh., Fl. Males. ser. 1, 6 (1962) 326, Fig. 2d, 20.

Fagraea epiphytica Elmer, LPB 8 (1915) 2743. --Type:

ssp. auriculata

Myanmar, Thailand, S Indochina, Sumatra, Peninsular Malaysia, Java, Lesser Sunda
Isls (Bali; Sumbawa; Flores), Borneo, SE Philippines. PANAY, MINDANAO.

ssp. parviflora Leenh., Fl. Males. ser. 1, 6 (1962) 328.

Fagraea curranii Merr, PJS 13 c (1918) Bot. 50; EPFP 3 (1923) 314. --Type:

Philippines, Moluccas (Halmahera and adjacent islands). LUZON.

Fagraea blumei G Don, Gard. Dict. 4 (1837) 69 ('blumii'); --Leenh., Fl. Males. ser. 1, 6 (1962) 320,
Fig. 17; --Wong & Sugau, Tree Fl. Sabah & Sarawak 2 (1996) 202.

Fagraea obovata (*non* Wall.) Miq., Fl. Ind. Bat. 2 (1857) 369; --Merr., EPFP 3 (1923) 315, pro parte.

Fagraea cuernosensis Elmer, LPB 2 (1909) 600; --Merr., EPFP 3 (1923) 314. --Type:

Fagraea negrosensis Elmer, LPB 2 (1909) 599; --Merr., EPFP 3 (1923) 315. --Type:

ssp. blumei

Sumatra, Peninsular Malaysia, Java, Borneo (Sarawak; Sabah), C Philippines.
NEGROS.

ssp. plumeriaflora (DC) Leenh., Fl. Males. ser. 1, 6 (1962) 323.

Fagraea plumeriaeflora DC, Prodr. 9 (1845) 29; --Elmer, LPB 2 (1909) 598; *ibid.* 3 (1910) 857; --Merr.,
EPFP 3 (1923) 315, excl. specimens from Celebes (Sulawesi).

LUZON, CATANDUANES, PANAY, LEYTE, SAMAR, MINDANAO.

Intermediate forms between *ssp. plumeriaeflora* and *ssp. blumei* occur in Borneo,
NEGROS and MINDANAO.

Fagraea borneensis Scheff. in Hassk., Flora 32 (1869) 309; --Wong & Sugau, Tree Fl. Sabah &

Sarawak 2 (1996) 202. –Type from Sarawak.

Fagraea auriculata Jack ssp. *borneensis* (Scheff.) Leenh., Fl. Males. ser. 1, 6 (1962) 328.

Fagraea nonok Elmer, LPB 3(1910) 858; --Merr., EPFP 3 (1923) 315. –Type:

Fagraea jackii Elmer, LPB 8 (1915) 2744. –Type:

Borneo (Sarawak; Brunei; Sabah; Kalimantan), W-C Philippines, Lesser Sunda Isls (Flores). MINDORO, PALAWAN, SIBUYAN. Lowland and montane forests.

Fagraea ceilanica Thunb., Vet. Acad. Handl. Stockh. 3 (1782) 132, t. 4; --Leenh., Fl. Males. ser. 1, 6 (1962) 315, Fig. 13-15.

Fagraea obovata Wall. in Roxb., Fl. Ind. 2 (1824) 33, *non* Blume (1826); --Merr., EPFP 3 (1923) 315, *pro parte*.

Fagraea loheri Merr., PJS 27 (1925) 49; EPFP 4 (1925) 254. --Type: Loher

Sri Lanka, India, Myanmar, Thailand, Indochina, SW China, Hongkong, Hainan, Taiwan (S peninsula only) and throughout Malesia, Bougainville, Solomon Isls. Throughout the Philippines, high-climbing woody hemiepiphyte in forests, 0-2100m.

Fagraea cuspidata Blume, Ann. Mus. Bot. Lugd.-Bat. 1 (1850) 170; --Merr., EPFP 3 (1923) 314; --Wong & Sugau, Tree Fl. Sabah & Sarawak 2 (1996) 204.

Borneo, SW Philippines. BALABAC. Mixed dipterocarp forests, in gaps and clearings, also secondary forests and forest edges.

Fagraea fragrans Roxb., Fl. Ind. 2 (1824) 32; --Merr., EPFP 3 (1923) 314; --Leenh., Fl. Males. ser. 1, 6 (1962) 304, Fig. 5-8; --Wong & Sugau, Tree Fl. Sabah & Sarawak 2 (1996) 206.

Fagraea cochinchinensis (Lour.) A Chev., Cat. Pl. Jard. Bot. Saigon (1919) 65; --Merr., EPFP 3 (1923) 314.

Bengal, Andaman Isls, Lower Myanmar, Thailand, C & S Vietnam, Sumatra, Peninsular Malaysia, W Java (naturalized), Bawean, Borneo, SW Philippines, Sulawesi, Japen Is (near NW New Guinea). MINDORO, BUSUANGA, CULION, PALAWAN, BALABAC. Lowland forests, especially secondary and disturbed ones, sea-level to xxxxm

Fagraea gitingensis Elmer, LPB 3 (1910) 859; --Merr., EPFP 3 (1923) 315; --Leenh., Fl. Males. ser. 1, 6 (1962) 334. –Type:

C Philippines, N Moluccas (Talaud Is). SIBUYAN (Mt Giting-giting).

Fagraea longiflora Merr., PJS 3 c (1908) Bot. 260; Elmer, LPB 2 (1909) 597; --Merr., EPFP 3 (1923) 315. –Type:

Fagraea macgregorii Merr., PJS 13 c (1918) Bot. 51. –Type:

LUZON, CATANDUANES. A dubious specimen from Mindanao (BS 38650).

Fagraea philippinensis Wong & Sugau, Sandakania 8 (1996) 35. --Type: FB 3270 Ahern's Collector (K, holo).

Fagraea recemosa Leenh., Fl. Males. ser. 1, 6 (1962) 311, *pro parte*, *non* Jack ex Wall. (1824).

Borneo (Sarawak; Kalimantan), Philippines.

Fagraea racemosa Jack in Roxb., Fl. Ind. 2 (1824) 35; --Merr., EPFP 3 (1923) 315; --Leenh., Fl. Males. ser. 1, 6 (1962) 311, Fig. 9-12. –Type:

Fagraea congestiflora Elmer, LPB 8 (1915) 2741. –Type:

Andaman Isls, Nicobar Isls, S Myanmar, Thailand, SW Indochina, throughout Malesia (except E Java, Madura, Lesser Sunda Isls), Solomon Isls, N Australia (Northern Territory; Queensland: Cape York Peninsula).

Usually in lowland secondary forests on swampy to dry soil, muddy river embankments, etc.

Fagraea spicata Baker, Kew Bull. (1896) 25; --Wong & Sugau, Tree Fl. Sabah & Sarawak 2 (1996)

Fagraea congestiflora Elmer, LPB 8 (1915) 2741; --Merr., EPFP 3 (1923) 316. --Type:
Fagraea racemosa sensu Leenh., Fl. Males. ser. 1, 6 (1962) 311, *non* Jack ex Wall. (1824).
Borneo (Sarawak; Brunei; Sabah; Kalimantan), Philippines.
Lowland to montane forests, up to c. ---m, frequently in gaps and also secondary forests.

Fagraea volubilis Wall. in Roxb., Fl. Ind. 2 (1824) 36; --Wong & Sugau, Tree Fl. Sabah & Sarawak 2 (1996) 215.
Fagraea racemosa sensu Merr., EPFP 3 (1923) 315; --*sensu* Leenh., Fl. Males. ser. 1, 6 (1962) 311, *non* Jack ex Wall. (1824).
Fagraea scholaris Blanco, Fl. Filip. ed. 2 (1845) 93; ed. 3, 1 (1877) 171,
Andaman Isls, Nicobar Isls, Sumatra, Peninsular Malaysia, Java, Borneo (Sarawak;
Sabah; Kalimantan), Philippines, Sulawesi, Moluccas, New Guinea.
Lowland forests, including secondary forests and forest edges.

Geniostoma JR & G Forster

Revision:

Conn, B.J. 1980. *A taxonomic revision of Geniostoma subgen. Geniostoma (Loganiaceae)*.
Blumea 26: 245-264.

Geniostoma rupestre JR & G Forst., Char. Gen. Pl. (1776) 12, t. 12; --Leenh., Fl. Males. ser. 1, 6 (1962) 371, Fig. 36i. --Type:

Geniostoma batanense Merr., PJS 3 c (1908) Bot. 427; EPFP 3 (1923) 309. --Type:

Geniostoma brevipes Merr., PJS 9 c (1914) Bot. 384; EPFP 3 (1923) 309. --Type:

Geniostoma cumingianum Benth., J. Linn. Soc. Bot. 1 (1857) 97; --Merr., EPFP 3 (1923) 310. --Type:

Geniostoma fasciculata Quisumb. & Merr., PJS 37 (1928) 190. --Type:

Geniostoma laxum Elmer, LPB 8 (1915) 2746; --Merr., EPFP 3 (1923) 310. --Type:

Geniostoma lancilimum Merr., PJS 17 (1920) 304; EPFP 3 (1923) 310. --Type:

Geniostoma longipes Merr., PJS 12 c (1917) Bot. 296; EPFP 3 (1923) 310. --Type:

Geniostoma mindanaense Elmer, LPB 8 (1915) 2747. --Type:

Geniostoma nigrescens (Blanco) Merr., Sp. Blancoanae (1918) 305; EPFP 3 (1923) 310. --Type:

Geniostoma pachyphyllum Merr., PJS 14 (1919) 448; EPFP 3 (1923) 310. --Type:

Geniostoma philippinensis Merr., PJS 3 c (1908) Bot. 259. --Type:

Geniostoma pulgarensense Elmer, LPB 5 (1913) 1808; --Merr., EPFP 3 (1923) 310. --Type:

Geniostoma ramosii Merr., PJS 17 (1920) 304; EPFP 3 (1923) 310. --Type:

Geniostoma stenophyllum Merr., PJS 7 c (1912) Bot. 329; EPFP 3 (1923) 310. --Type:

Across Malesia (except Peninsular Malaysia) to Australia (E Queensland) and W Pacific
(at least as far N as the Marianas and as far E as Samoa).

Mitrasacme Labillardière

Mitrasacme indica Wight, Icon. 4, 4 (May 1850) 15, t. 1601; --Leenh., Fl. Males. ser. 1, 6 (1962) 384,
Fig. 44 (Map).

Mitrasacme alsinioides (non R Br., 1810) Merr. EPFP 3 (1923) 311.

Oldenlandia brachyphylla Merr., Fl. Manila (1912) 448. --Type: Merrill Philip. Pl. 705 (US*, poss. isotype; not cited in the original publication).

Sri Lanka, India (Deccan Peninsula), Myanmar, N Vietnam, coastal regions of S & E
China, Hainan, Taiwan, Korea (Chemulpo), Japan, Ryukyu Isls, Peninsular Thailand
(Surat; Puket), Sumatra (W coast), Peninsular Malaysia (Kelantan), Java, Madura,
Kangean Isls, Lesser Sunda Isls (Sumba), Philippines, SW Sulawesi, S New Guinea,
Australia (Northern Territory; Queensland).
LUZON.

Mitrasacme pygmaea R Br., Prodr. (1810) 453; --Leenh., Fl. Males. ser. 1, 6 (1962) 382, Fig. 42-43.

Mitrasacme nudicaulis Reinw. ex Blume, Bijdr. (1826) 849; --Merr., EPFP 3 (1923) 311.

Mitrasacme alsinioides (non R Br.) Merr., PJS 1 (1906) Suppl. 116.

var. pygmaea

NW India, Thailand, Cambodia, S China (Yunnan), Taiwan, Korea, Japan (Honshu to Ryukyu Isls), N&C Sumatra, Peninsular Malaysia (Malacca), Java, Lesser Sunda Isls (Sumbawa), N Philippines, S Moluccas (Aru Isls), New Guinea (also Goodenough Is.), Australia (Northern Territory; E Queensland), New Caledonia, Caroline Isls (Yap).
LUZON.

var. malaccensis (Wight) Hara, J. Jap. Bot. 30 (1955) 23; --Leenh., Fl. Males. ser. 1, 6 (1962) 383. *Mitrasacme polymorpha* (*non* R Br.) CB Clarke in Hook.f., Fl. Brit. India 4 (1883) 80; --Merr., EPFP 3 (1923) 311.

Nepal, Myanmar, Thailand, Indochina, S China, Hainan, Taiwan, Japan (Honshu; Kyushu; Okinawa), Sumatra, Peninsular Malaysia, Riouw Archipelago, Billiton, E Java, Lesser Sunda Isls (Bali; Alor; Timor), Anambas Isls, Borneo, N Philippines, SE Sulawesi, Moluccas (Sula Isls; Ambon; Tanimbar Isls), New Guinea, Sudest Is, Caroline Isls (Palau), Australia (Northern Territory; Queensland), New Caledonia.
LUZON.

Mitreola Linnaeus

Mitreola petiolata (Walt.) Torr. & Gray, Fl. North Am. 2 (1846) 45; --Merr., PJS 11 (1916, publ. 1917) Bot. 307; EPFP 3 (1923) 311; --Leenh., Fl. Males. ser. 1, x (19xx) xxx, addend. & corr. *Cynoctonum mitreola* (L.) Britt., Mem. Torr. Bot. Club 5 (1894) 258; --Leenh., Fl. Males. ser. 1, 6 (1962) 375, Fig. 37f-h.

SE United States, C & tropical South America, SE Asia from India (Mumbai) to N Vietnam, Peninsular Thailand, N Sumatra, Peninsular Malaysia, Langkawi Isls, Java, Bawean, Kangean Isls, Bali, Timor, Tanimbar Isls, Philippines, Sulawesi, Buton Is, New Guinea, N Australia (Arnhem Land). Introduced in the Caroline Isls (Yap; Palau).
LUZON, MINDORO, BOHOL.

Bound to areas subject to a dry season. Fl. at the end of the rainy season.

Neuburgia Blume

Neuburgia celebica (Koord.) Leenh., Fl. Males. ser. 1, 6 (1962) 367, Fig. 34h; --Couthovia *celebica* Koord., Meded Lands. Plant. 19 (1898) 537; --Merr., EPFP 3 (1923) 313.

Philippines, Sulawesi, Moluccas, S New Guinea, New Britain, Solomon Isls, Carolines (Palau).

MINDORO, MINDANAO. Lowlands up to 400m, in both dry and swampy sites, along riverbanks. Fl. mainly Jan-May, fr. Mar, Jul.

Norrisia Gardner

Norrisia malaccensis Gardn. in Hook., J. Bot. Kew Misc. 1 (1849) 327; --Leenh., Fl. Males. ser. 1, 6 (1962) 341, Fig. 26g, l; --Wong & Sugau, Tree Fl. Sabah & Sarawak 2 (1996) 221, Fig. 7.

Norrisia philippinensis Elmer, LPB 4 (1912) 1482; --Merr., EPFP 3 (1923) 311. --Type: Sumatra, Peninsular Malaysia (S half), Philippines. SIBUYAN, MINDANAO.

Strychnos Linnaeus

Strychnos angustiflora Benth., J. Proc. Linn. Soc. Bot. 1 (1856) 102.

Strychnos nux-vomica auct. non L., Fl. Males. ser. 1, 6 (1962) 349, only as to Philippine specimens. China (Guangdong, Hongkong), Hainan, Thailand, S Vietnam, Philippines. MINDORO: Mindoro Oriental (Puerto Galera Bay). Along the coast above tide level. Fr. Apr. Once collected in the Philippines.

Strychnos axillaris Colebr., Trans. Linn. Soc. 12 (1819) 356, t. 15; --Leenh., Fl. Males. ser. 1, 6 (1962) 358, Fig. 30g. --Type: *Strychnos cenabrei* Merr., PJS 20 (1922) 433; EPFP 3 (1923) 312. --Type: *Strychnos impressinervis* AW Hill, Kew Bull. (1917) 180; --Merr., EPFP 3 (1923) 312. --Type: *Strychnos wenzelii* Merr., PJS 11 c (1916) Bot. 202; EPFP 3 (1923) 313. --Type: *Strychnos tesseroidea* AW Hill, Kew Bull. (1917) 206; --Merr., EPFP 3 (1923) 313. India (Assam) through Thailand and S Vietnam, throughout Malesia to Australia (E Queensland).

Strychnos ignatii Berg., Mat. Med. 1 (1778) 146; --Merr., EPFP 3 (1923) 312; --Leenh., Fl. Males. ser. 1, 6 (1962) 347, Fig. 28a-j. --Type: Hainan, Vietnam, Sumatra (Palembang), Peninsular Malaysia, Java, Borneo, Philippines. BILIRAN, LEYTE, SAMAR, MINDANAO. Lowland dipterocarp or mixed forests, sometimes along riverbanks. Fl. Jan-Sept, fr. Jan-Dec. Fruits reportedly eaten by monkeys and civet cats.

Strychnos lanata AW Hill, Kew Bull. (1911) 299, fig. (1917) 165; --Merr., EPFP 3 (1923) 312; --Leenh., Fl. Males. ser. 1, 6 (1962) 355. --Type: MINDANAO. Rainforest along river, altitude 350-700m. Fl. Sept.

Strychnos luzonensis Elmer, LPB 1(1908) 332, *pro parte majore*, excl. Elmer 15571, which is =S minor; -- Merr., EPFP 3 (1923) 312, *pro parte majore*, excl. Elmer 8251 & 15571 [S. lucbanensis Elmer =S. minor]; --Leenh., Fl. Males. ser. 1, 6 (1962) 358. --Type: LUZON: Quezon. Known only from the type. Humid forest, altitude 500m. Fl. May.

Strychnos minor Dennst., Schloess. Hort. Malab. (1818) 33; --Leenh., Fl. Males. ser. 1, x (19xx) xxx, add. & corr. --Type: *Strychnos dubia* AW Hill, Kew Bull. (1912) 298, fig., (1917) 156; --Merr., EPFP 3 (1923) 312. *Strychnos luzonensis* Elmer, LPB 1(1908) 332, *pro parte minore, quoad* Elmer 15571; EPFP 3 (1923) 312, *pro parte minore, quoad* Elmer 8251 & 15571 (S. lucbanensis Elmer). *Strychnos merrillii* AW Hill, Kew Bull. (1911) 297, fig., (1917) 161; --Merr., EPFP 3 (1923) 312. *Strychnos multiflora* Benth., J. Linn. Soc. Bot. 1 (1857) 102; --Merr., EPFP 3 (1923) 312. *Strychnos colubrina auct. non* L., Fl. Males. ser. 1, 6 (1962) 355, Fig. 31. *Strychnos similis* AW Hill, Kew Bull. (1912) 38, *ibid.* (1917) 153; --Merr., EPFP 3 (1923) 313. Sri Lanka, India, S Vietnam, Sumatra, Simalur Is, Peninsular Malaysia, Lesser Sunda Isls (Flores), Borneo, Philippines, Sulawesi, Moluccas, New Guinea, New Britain, Solomon Isls, Australia (NE Queensland). Fl. mainly Jul-Nov, fr. Jan-Dec.

Strychnos oleifolia AW Hill, Kew Bull. (1917) 156; --Merr., EPFP 3 (1923) 313; --Leenh., Fl. Males. ser. 1, 6 (1962) 353. --Type: PALAWAN. Possibly also in Luzon. Lowland forests. Fl. May.

Strychnos ovata AW Hill, Kew Bull. (1909) 360; --Merr., EPFP 3 (1923) 313; --Leenh., Fl. Males. ser. 1, 6 (1962) 351, Fig. 30a-f. *Strychnos panayensis* AW Hill, Kew Bull. (1917) 148, fig.; --Merr., EPFP 3 (1923) 313. --Type: Hainan, Indochina, Sumatra, Peninsular Malaysia (Penang Is), Borneo, Philippines, N Sulawesi. BABUYAN ISLS, LUZON, MINDORO, CALAMIANES, PLAWAN, TICAO, PANAY. Lowland thickets and forests, along riverbanks, up to c. 250m. Fl. May-Jun, fr.

Feb, May.