

Family 243. OLEACEAE

Chionanthus Linnaeus

Literature:

Kiew, R. 1998. *Name changes for Malesian species of Chionanthus (Oleaceae)*. *Blumea* 43: 471-477.

Chionanthus clementis (Quisumb. & Merr.) Kiew, *Blumea* 43 (1998) 472; --*Linociera clementis* Quisumb. & Merr., *PJS* 37 (1928) 189. --Type: Clemens 16785 (UC*, holo). Luzon: Isabela prov., Mt Moises, above Ambabu (possibly =Ambabok), 15-16 Apr 1926.
LUZON: Isabela (Mt Moises).

Chionanthus coriaceus (Vidal) Yuen P Yang & SY Lu, *Fl. Taiwan*, ed. 2, 4 (1998) 129; --*Linociera coriacea* Vidal, *Rev. Pl. Vasc. Filip.* (1886) 181; --Merr., *EPFP* 3 (1923) 303. --Type: *Linociera paludosa* King & Gamble, *J. As. Soc. Beng.* 74² (1905) 268; --Merr., *EPFP* 3 (1923) 304., *Linociera urdanetensis* Elmer, *LPB* 5 (1913) 1656; --Merr., *EPFP* 3 (1923) 305. *Linociera phanerophlebia* Merr., *PJS* 27 (1925) 48; *EPFP* 4 (1925) 254. --Type: Loher 14222 (UC*, holo). Luzon: Rizal prov., Bantol, Mar 1913. *Linociera leuterioi* Merr., ined.? --Voucher: FB 25926 E. Leuterio (NY*). Luzon: Bulacan prov., Jun 1916. Lanyu and the Philippines. BABUYAN ISLS, LUZON: Cagayan, Isabela, Apayao, Bulacan, Rizal, Laguna, Quezon, MINDORO, PALAWAN, SIBUYAN, PANAY, MINDANAO: Lanao, Agusan del Norte. Lowland primary forests.

Chionanthus grandifolius (Elmer) Kiew, *Gard. Bull. Sing.* 37 (1984) 210; --*Linociera grandifolia* Elmer, *LPB* 5 (1913) 1657; --Merr., *EPFP* 3 (1923) 303. --Type: Elmer 13425 (K, lecto, chosen by Kiew, 1984; isoleccto A*, BM, GH*, L*, NY*, US*). Mindanao: Agusan del Norte prov., Mt Urdaneta [=Mt Hilong-hilong].
Peninsular Malaysia, Philippines. MINDANAO, in the Philippines known only from the type. The Malayan collection (in flower), is deemed identical with the one from Mindanao (in fruit) on vegetative grounds.

Chionanthus nitidus (Merr.) Kiew, *Blumea* 43 (1998) 472; --*Linociera nitida* Merr., *PJS* 10 c (1915) Bot. 339; *EPFP* 3 (1923) 304. --Type: BS 15406 Reillo (US*, holo; iso in BM, K). Basilan.
BASILAN. Primary forests at low or medium altitude.

Chionanthus ramiflorus Roxb., *Hort. Beng.* (1814); *Fl. Ind.* 1 (1820) 106; --Kiew, *Blumea* 43 (1998) 473; --*Linociera ramiflora* (Roxb.) Wall., *Cat.* (1831) no. 2824; --Merr., *EPFP* 3 (1923) 304. *Linociera cumingiana* Vidal, *Phan. Cuming. Philipp.* (1885) 185. --Type: Cuming 972, Philippines, no precise locality (W).
India (E part), Bangladesh, Andamans, Tenasserim, Myanmar, Thailand, Indochina and Taiwan, throughout Malesia to Australia (Queensland) and the Solomon Islands.

Chionanthus remotinervius (Merr.) Kiew, *Blumea* 43 (1998) 474; --*Linociera remotinervia* Merr., *PJS* 13 c (1918) Bot. 324; --Merr., *EPFP* 3 (1923) 305. --Type: BS 29933 (US*, holo; iso: A*, BM, K, L*). Luzon: Pangasinan prov., Mt San Isidro Labrador, open grassy slopes near forest edge, altitude c. 300m, Nov 1917.
LUZON: Isabela (Palanan, *ISU* 434 & 438, L), Pangasinan (Mt San Isidro Labrador), Zambales (Masinloc, along Lawis River, *PNH* 191386 *Busemeyer, Ippolito & Barcelona*). Open grassy slopes near forest edge, also along streams, near sea-level to 600m.

Unplaced:

Linociera acuminatissima Merr., *PJS* 4 c (1909) Bot. 312; --Elmer, *LPB* 5 (1913) 1651; --Merr., *EPFP* 3 (1923) 303. --Type: Merrill Philip. Pl. 1245 (GH*, syntype). Palawan, May 1913.

PALAWAN. Along beaches and forests immediately behind mangroves.

Linociera racemosa (Merr.) Merr., PJS 1 (1906) Suppl. 116; EPFP 3 (1923) 304; --Mayepea racemosa Merr. --Type: FB 3042 Borden (NY*, US*, iso). Luzon: Bataan prov., Mt Mariveles, Lamao River, May 1905.

LUZON: Bataan, Rizal, Laguna, Quezon. Medium altitude primary forests.

Fraxinus Linnaeus

Fraxinus griffithii CB Clarke in Hook., Fl. Brit. India 3 (1882) 605; --Merr., EPFP 3 (1923) 303.

Fraxinus philippinensis Merr., Govt. Lab. Publ. (Philip.) 35 (1906) 57. --Type:

Bangladesh eastwards to Taiwan and S Japan; Java, Philippines. LUZON: Ilocos Norte, Mountain Province, Cagayan, Pampanga (Mt Pinatubo), Bataan, Rizal, Laguna. Medium altitude forests.

Jasminum Linnaeus

Jasminum aemulum R. Br., Prodr. (1810) 521; --Soejarto et al. 1995. Prelim. Checklist Fl. Pl. Palawan.

Extra-Philippine distribution?

Jasminum apoense Elmer, LPB 8 (1915) 2791; --Merr., EPFP 3 (1923) 306. --Type: Elmer 11953 MINDANAO: Bukidnon, Davao (Mt Apo), Agusan del Norte. Medium altitude damp primary forests, ascending to 1350m.

Jasminum batanensis Kiew, Sandakania 4 (1994) 75. --Type: Bartlett 15387 (A*, iso). Batanes Isl Group, Ibhos Is., 19 Jul 1935.

BATAN.

Jasminum bifarium Wall., Cat. (1830) No. 2866, *nom. nud.* ex DC, Prodr. 8 (1844) 305; --Merr., EPFP 3 (1923) 306.

Jasminum ixoroides Elmer, LPB 2 (1908) 511. --Type: Elmer 8731 (US*, iso). Luzon: Benguet prov., Baguio, Mar 1907.

Jasminum populifolium Blume, Ann. Mus. Bot. Lugd.-Bat. 1 (1850) 276; --Merr., PJS 1 (1906) Suppl. 222; EPFP 3 (1923) 308. --Type: Cuming 1029 (A*, type fragm.)

Jasminum luzoniense Vidal, Phan. Cuming. Philip. (1885) 185; Rev. Pl. Vasc. Filip. (1886) 180. --Type: Malesia. LUZON: Ilocos Norte, Ilocos Sur, La Union, Pangasinan, Abra, Benguet, Nueva Vizcaya, Zambales, Rizal, Cavite, Laguna, Sorsogon, MINDORO, PALAWAN, CUYO, DUMARAN, CATANDUANES, MASBATE, PANAY, NEGROS, CEBU, BOHOL, MINDANAO. Lowland and montane thickets and forests, ascending to 2000m in Benguet. Frequently in coastal and tidal stream thickets. According to Merrill (1923) not certainly distinct from *J. glabriusculum* Blume.

Jasminum crassifolium Blume, Bijdr. (1825) 679; --Merr., EPFP 3 (1923) 307.

Jasminum rotundifolium Elmer, LPB 8 (1915) 2792; --Merr., EPFP 3 (1923) 308. --Type: Elmer 10571 (A*, BISH*, GH*, NY*, US*, iso). Mindanao: Davao, Mt Apo, Todaya, 'dense woods at 4000ft [=3937m], S of Kalelan', May 1909.

Jasminum triplinervium Merr., PJS 5 c (1910) Bot. 223; --Merr., EPFP 3 (1923) 308. --Type: FB 13557 Meyer & Foxworthy (not seen). Negros: Negros Occidental prov., Faraon, in forest, altitude not given, 10 Sept 1909.

Java, Borneo, Philippines. LUZON: Laguna, Quezon, Sorsogon, PALAWAN, PANAY, NEGROS, LEYTE, MINDANAO: Davao (Mt Apo). Lowland and medium altitude forests, ascending to c. 1200m.

Jasminum cumingii Merr., PJS 5 c (1910) Bot. 223; --Merr., EPFP 3 (1923) 307. --Type: Cuming 1565 (not seen). Philippines, with no definite locality
MINDORO, SIBUYAN, PANAY. Lowland and medium altitude primary forests.

Jasminum didymum Forst. *f.*, Prodr. (1786) 3; --Merr., EPFP 3 (1923) 307.
Jasminum triphyllum Merr., PJS 1 (1906) Suppl. 223. --Soejarto et al. 1995. Prelim. Checklist Fl. Pl. Palawan. --Type: BS 261 Bermejoes (NY*, US*, iso). Palawan: Puerto Princesa, Dec 1905.
Java to tropical Australia, New Caledonia and Polynesia. PALAWAN, NEGROS, GUIMARAS. Lowland thickets.

Jasminum dolichopetalum Merr. & Rolfe, PJS 3 c (1908) Bot. 120; --Merr., EPFP 3 (1923) 307.
--Type: BS 995 Ramos (GH*, NY*, US*, iso). Luzon: Rizal prov., Bosoboso, Jun 1906.
LUZON: Cagayan, Rizal, LEYTE, SAMAR. Medium altitude primary forests.

Jasminum grandiflorum L., Sp. Pl. ed. 2 (1762) 9; --Fern.-Villar, Novis. App. (1880) 128; --Merr., Fl. Manila (1912) 365; EPFP 3 (1923) 307.
Native of India. Widely cultivated ornamental in the Philippines but nowhere spontaneous.

Jasminum macrocarpum Merr., PJS 3 c (1908) Bot. 258; C Robinson, PJS 6 c (1911) Bot. 219.
--Merr., EPFP 3 (1923) 307. --Type: Merrill 2326 (US*, lecto, designated by Kiew, 1993). Luzon: Rizal prov., Tanay, May 1903. --Syntypes: BS 1073 Ramos (GH*, NY*, US*). Luzon: Rizal prov., Bosoboso, Jul 1906; --BS 3091 Ahern's collector (NY*, US*). Luzon: Rizal prov., May-Jun 1905; --Whitford 394 (NY*, US*). Luzon: Bataan prov., Mt Mariveles, Lamao River, Jun 1904.
LUZON: Benguet, Bataan, Rizal, POLILLO. Low and medium altitude primary forests, in Benguet ascending to 2000m.

Jasminum multiflorum (Burm.*f.*) Andr., Bot. Repos. 8 (1799-1811), t. 496; --Merr., Fl. Manila (1912) 366; EPFP 3 (1923) 307.
Native of India. Occasionally cultivated in the Philippines for ornamental purposes but nowhere spontaneous.

Jasminum oliganthum Quisumb. & Merr., PJS 37 (1928) 187. --Type: BS 45541 Ramos & Edaño (PNH, holo, lost; iso: NY*, US*). Luzon: Aurora prov., Casiguran, in damp forests, along streams at low altitude, 11 Jun 1925. --Syntypes: BS 46957 Ramos & Edaño (NY*), BS 47118 Ramos & Edaño (A*, NY*). Luzon: Isabela prov., San Mariano, forests at low altitudes, 18 Feb 1926.
LUZON: Isabela (San Mariano), Aurora (Casiguran). Lowland forests.

Jasminum pseudopinnatum Merr. & Rolfe, PJS 3 c (1908) Bot. 119; --Merr., EPFP 3 (1923) 308. --Type: BS 1111 P
LUZON: Rizal. Medium altitude forests and thickets.

Jasminum sambac (L.) Aiton, Hort. Kew 1 (1789) 8; --Fern.-Villar, Novis. App. (1880) 127; --Vidal, Sinopsis Atlas (1883) 32, t. 65, Fig. A; --Merr., Fl. Manila (1912) 365; Sp. Blancoanae (1918) 305; EPFP 3 (1923) 308; --Nyctanthes sambac L., Sp. Pl. (1753) 6; --Blanco, Fl. Filip. (1837) 9; ed. 2 (1845) 6; ed. 3, 1 (1877) 12, t. 6.
Native of tropical Asia, now pantropical in distribution. Commonly cultivated throughout the Philippines for ornamental purposes but nowhere spontaneous.

Jasminum simplicifolium Forst. *f.*, Prodr. (1786) 3.
ssp. funale (Decne.) Kiew, Sandakania 5 (1994) 11.
Jasminum aculeatum (Blanco) Walp. ex Hassk., Flora 47 (1864) 50; --Merr., EPFP 3 (1923) 306.
As J. aculeatum: LUZON: Ilocos Norte, La Union, Pangasinan, Benguet, Zambales, Tarlac, Bataan, Bulacan, Rizal, Laguna, MINDORO, PALAWAN, NEGROS, SIQUIJOR,

CEBU, BILIRAN. Low and medium altitude thickets. Often common.

Jasminum truncatum Merr., *PJS* 3 c (1908) Bot. 259; --Merr., EPFP 3 (1923) 309. --Type: Merrill 5286 (NY*, US*, iso). Sibutu Is., 13 Oct 1906.

SULU ARCHIPELAGO: SIBUTU. Coastal thickets.

Ligustrum Linnaeus

Revision:

Kiew, R. 1978. *Florae Malesianae Praecursores LVII. The Oleaceae of Malesia. 1. The genus Ligustrum*. *Blumea* 24: 143-149.

Ligustrum cumingianum Decne., *Nuov. Arch. Mus. Paris* ii, 2 (1879) 28; --Merr., EPFP 3 (1923) 306 (under synonymy of *L. pubinerve*); --Kiew, *Blumea* 24 (1978) 146. --Type: Cuming 1213 (BM, K, L*, iso). Luzon, no precise locality.

Ligustrum glabrinerve Elmer, LPB 9 (1934) 3208. --Type: Elmer 22247 (BM, GH*, 3 sheets; K, L, iso).

LUZON, MINDORO. Primary forests, lowland to 2000m.

Ligustrum glomeratum Blume, *Ann. Mus. Bot. Lugd.-Bat.* 1 (1850) 314; --Kiew, *Blumea* 24 (1978) 147. --Type:

Ligustrum pubinerve Blume, *Ann. Mus. Bot. Lugd.-Bat.* 1 (1850) 314; --Merr., EPFP 3 (1923) 305. --Type from Java.

S Thailand, Peninsular Malaysia, Sumatra, Borneo, Philippines, Java, Lesser Sunda Isls, Sulawesi, the Moluccas, and New Guinea. LUZON, MINDORO, PALAWAN, MINDANAO, SULU ARCHIPELAGO

Ligustrum stenophyllum Quisumb. & Merr., *PJS* 37 (1928) 188. --Type: BS 47153 Ramos & Edaño (PNH, holo, lost; iso in A*, K). Luzon, Isabela prov., San Mariano, 16 Mar 1926; syntype: Clemens 16782. Luzon: Isabela prov., Mt Moises, forested streams, altitude c. 400m, 16-23 Apr 1926.

LUZON: Known only from two collections in the type locality. Forest streams at 400m.

Linociera Swartz =Chionanthus & Olea

Myxopyrum Blume

Revision:

Kiew, R. 1984. *The genus Myxopyrum L.* *Blumea* 29: 499-512

Myxopyrum nervosum Blume, *Bijdr.* (1826) 683; --Merr., EPFP 3 (1923) 306; --Kiew, *Blumea* 29 (1984) 505. --Type from Java.

ssp. nervosum

Peninsular Malaysia, Nias, Sumatra, Java, Borneo (E Kalimantan), Philippines, Sulawesi, Moluccas (Halmahera), W New Guinea (Bird's Head peninsula). PALAWAN.

Myxopyrum ovatum AW Hill, *Kew Bull.* (1910) 41; --Kiew, *Blumea* 29 (1984) 507.

Myxopyrum macrolobum AW Hill, *Kew Bull.* (1910) 42; --Merr., EPFP 3 (1923) 306. --Type from New Guinea.

Myxopyrum philippinensis Elmer, LPB 4 (1912) 1483; --Merr., EPFP 3 (1923) 306. --Type: Elmer 12333 (K, NY*, US*, iso). Sibuyan.

ssp. ovatum

New Britain, Admiralty, New Guinea (Papua), Kai, Seram, Talaud and the Philippines.

LUZON: Quezon, Batangas, Camarines, SIBUYAN, BOHOL, LEYTE. Low altitude thickets and forests.

Myxopyrum scandens (Quisumb. & Merr.) Co, *comb. nov.*

Linociera scandens Quisumb. & Merr., PJS 37 (1928) 189. --Type: BS 45740 Ramos & Edaño (PNH, holo, possibly lost; lecto, here selected, NY*; isolecto: A*, US*, here selected). Luzon: Quirino prov., Mt Alzapan, forested slopes, c. 1700m, 21 May 1925.

Although originally described as a *Linociera* (which should place this under *Chionanthus* or *Olea*), I tentatively place this under *Myxopyrum* on account of the scandent habit and terminal position of the inflorescence. Must be compared with *M. enerve* Steen. of Sarawak where it seems to be most closely allied.

Olea Linnaeus

Olea borneensis Boerl., Handl. Fl. Ned. Ind. 2 (1899) 332; --Kiew, Blumea 25 (1999) 90.

Linociera philippinensis Merr., PJS 4 c (1909) Bot. 313; EPFP 3 (1923) 304.

Extra-Philippine range.

LUZON: Ilocos Norte, Cagayan, Zambales, Bataan, Pampanga, Rizal, Laguna, Batangas, Camarines, MINDORO, PALAWAN, GUIMARAS, MINDANAO. Primary forests, chiefly at medium altitudes.

Olea gitingensis (Elmer) Kiew, Gard. Bull. Sing. 51 (1999) 90; --*Linociera gitingensis* Elmer, LPB 5

(1913) 1653; --Merr., EPFP 3 (1923) 304 (under synonymy of *L. philippinensis*)

Linociera longifolia Merr., PJS 20 (1922) 431; EPFP 3 (1923) 304. --Type: FB 20626 Miranda (US*, iso). Mindanao: Lanao del Norte prov., Balut River, 14 Jun 1913.

LUZON, SIBUYAN, MINDANAO: Lanao del Norte.

Olea obovata (Merr.) Kiew, Gard. Bull. Sing. 51 (1999) 94; --*Linociera obovata* Merr. ex Elmer, LPB 5 (1913) 1652, *nom. nud.*; --Merr., EPFP 3 (1923) 304.

LUZON: Nueva Ecija, Quezon, Laguna. Medium altitude primary forests.

Olea palawanensis Kiew, Blumea 38 (1993) 127. --Type: SMHI 1827 Ridsdale (L*, holo). Palawan:

Narra, Victoria Peaks, Trident Mining Company Concession, regrowth and disturbed forest on ultrabasic soils, 100-200m, 22 May 1984.

PALAWAN: Mt Bloomfield; Victoria Peaks. Open, disturbed vegetation on ultramafics, low altitudes.

Olea rubrovenia (Elmer) Kiew, Gard. Bull. Sing. 51 (1999) 95; --*Linociera rubrovenia* Elmer, LPB

2 (1909) 586; --Merr., EPFP 3 (1923) 305. --Type: Elmer 10224 (US, lecto; isolecto: A, K, L).

NEGROS, LEYTE, MINDANAO: Lanao, Bukidnon, Agusan. Damp primary forests, altitude 1000-1400m.