

## Family 242. SYMPLOCACEAE

### Revision:

Nooteboom, HP. 1977. *Symplocaceae*. Flora Malesiana series 1, 8: 205-274.

### 1. *Symplocos* Jacquin

***Symplocos adenophylla*** Wall. ex G Don, Gen. Syst. 4 (1837) 3; --Brand, PJS 3 c (1908) Bot. 7; --Merr., PJS 2 c (1907) Bot. 298; --Noot., Leiden Bot. Ser. 1 (1975) 121; Fl. Males. ser. 1, 8 (1977) 239, Fig. 7.

*Symplocos adenophylla* Wall. var. *merrittii* Brand, PJS 3 c (1908) Bot. 7; EPFP 3 (1923) 297. --Type:

*Symplocos palawanensis* Brand, PJS 3 c (1908) Bot. 10; --Merr., EPFP 3 (1923) 301. --Type:

*Symplocos brandii* Elmer, LPB 4 (1912) 1477. --Type:

China, Hainan, Indochina, Thailand, throughout Malesia except Java (but found in Bawean Is.), the Lesser Sunda Isls and New Guinea.

***Symplocos celastrifolia*** Griff. ex Clarke, Fl. Brit. Ind. 3 (1882) 575; --Merr., Univ. of Calif. Publ. Bot. 15 (1929) 248; --Noot., Leiden Bot. Ser. 1 (1975) 138; Fl. Males. ser. 1, 8 (1977) 245.

*Symplocos hutchinsonii* Brand, PJS 4 c (1909) Bot. 109; --Merr., EPFP 3 (1923) 299. --Type:

*Symplocos peninsularis* Brand, PJS 4 c (1909) Bot. 110. --Type:

Peninsular Thailand and throughout Malesia except Java, the Lesser Sunda Isls, Philippines, N Sulawesi and most of the Moluccas.

***Symplocos cochinchinensis*** (Lour.) S Moore, J. Bot. 5 (1914) 148; --Noot., Leiden Bot. Ser. 1 (1975) 141; Fl. Males. ser. 1, 8 (1977) 245, Fig. 12, 13; --Dicalyx *cochinchinensis* Lour., Fl. Cochinch. 1 (1790) 663, *excl. syn. Arbor rediviva* Rumph.

#### var. *cochinchinensis*

India, Burma, Thailand, Indochina, China, Hainan, Taiwan, Ryukyu Isls, Japan, throughout Malesia except the Lesser Sunda Isls, Sulawesi, and the Moluccas. Scarce in the Philippines.

**var. *philippinensis*** (Brand) Noot., Leiden Bot. Ser. 1 (1975) 154; Fl. Males. ser. 1, 8 (1977) 247, Fig. 7.

*Symplocos javanica* (non Kurz) Merr. var. *philippinensis* Brand, PJS 3 c (1908) Bot. 6. --Type:

*Symplocos ahernii* Brand, PJS 3 c (1908) Bot. 6; EPFP 3 (1923) 297. --Type:

*Symplocos purpurascens* Brand, PJS 7 c (1912) Bot. 33; EPFP 3 (1923) 302. --Type:

*Symplocos ramosii* Merr., PJS 12 c (1917) Bot. 293; EPFP 3 (1923) 302. --Type:

C & E Java, Lesser Sunda Isls (Bali; Sumbawa; Flores), Philippines, Sulawesi, Moluccas (Tidore; Ternate; Buru; Ambon; Seram). Lowlands (recorded from primary dipterocarp forests) up to 2000m.

**var. *imbricata*** (Brand) Noot., Leiden Bot. Ser. 1 (1975) 155; Fl. Males. ser. 1, 8 (1977) 248, Fig. 7.

*Symplocos imbricata* Brand, PJS 4 c (1909) Bot. 109; idem. 7 c (1912) Bot. 31; --Merr., EPFP 3 (1923) 299.

LUZON. High montane, single storey mossy forests, altitude 2000-2600m. Fl. Dec-Apr, fr. Aug-Sept, Jan-Mar.

***Symplocos fasciculata*** Zoll., Syst. Verz. 2 (1854) 136; --Merr., Univ. Calif. Publ. Bot. 15 (1929) 248;

--Corner, Wayside Trees Malaya (1940) 622, t. 231; --Backer & Bakh.f., Fl. Java 2 (1965) 205; --

Noot., Leiden Bot. Ser. 1 (1975) 191, Fig. 2c, pl. 13; Fl. Males. ser. 1, 8 (1977) 259, Fig. 17 (map).

*Symplocos phanerophlebia* Merr., PJS 9 c (1914) Bot. 382; EPFP 3 (1923) 301. --Type:

Extreme S Peninsular Thailand, throughout Malesia except the Lesser Sunda Isls, the Moluccas and New Guinea.

***Symplocos filipes*** Noot., Leiden Bot. Ser. 1 (1975) 193, pl. 14a-d; Fl. Males. ser. 1, 8 (1977) 260, Fig. 7. --Type:

MINDORO: Mindoro Oriental (Mt Halcon). Two collections.

**Symplocos glabriramifera** Noot., Leiden Bot. Ser. 1 (1975) 193, pl. 15a-d; Fl. Males. ser. 1, 8 (1977) 260, Fig. 7. –Type:

LUZON: Benguet, Nueva Vizcaya. Montane forests, altitude 1900m. Fl. Feb, May.

**Symplocos lancifolia** Sieb. & Zucc., Fam. Nat. 2 (1846) 133; --Noot., Leiden Bot. Ser. 1 (1975) 214, pl. 21a-d; Fl. Males. ser. 1, 8 (1977) 263, Fig. 7.

*Symplocos montana* Vidal, Rev. Pl. Vasc. Filip. (1886) 179, *non* Brongn. & Gris, 1866.

*Symplocos betula* Brand, PJS 3 c (1908) Bot. 8; --Merr., EPFP 3 (1923) 297; --Noot., Leiden Bot. Ser. 1 (1975) 133. –Type:

*Symplocos depauperata* Merr., Govt. Lab. Publ. (Philipp.) 29 (1905) 45; --Brand, PJS 3 c (1908) Bot. 10. –Type:

*Symplocos depauperata* Brand var. *angustissima* Brand, PJS 7 c (1912) Bot. 36. –Type:

*Symplocos depauperata* Brand var. *sordida* Brand, PJS 3 c (1908) Bot. 10. –Type:

*Symplocos merrilliana* Brand, PJS 4 c (1909) Bot. 110; --Merr., EPFP 3 (1923) 299. –Type:

*Symplocos inconspicua* Brand, PJS 4 c (1909) Bot. 110; --Merr., EPFP 3 (1923) 299. –Type:

*Symplocos luzonensis* Rolfe, J. Bot. 24 (1886) 348; --Brand, Pflanzenreich 6 (1901) 61; PJS 3 c (1908) Bot. 9; PJS 7 c (1912) Bot. 35; --Merr., EPFP 3 (1923) 300. –Type:

*Symplocos zamboangensis* Brand, Fedde Repert. 14 (1916) 325; --Merr., EPFP 3 (1923) 303. –Type:

N India, Indochina, China, Hongkong, Hainan, Taiwan, Ryukyu Isls, Philippines. LUZON, MINDORO, PANAY, NEGROS, MINDANAO. In a variety of habitats, also in dense mossy forests at higher altitudes, 400-2500m. Fl. Dec-Apr, fr. May-Dec.

**Symplocos lucida** (Thunb.) Sieb. & Zucc., Fl. Jap. 1 (1835) 55; --Noot., Leiden Bot. Ser. 1 (1975) 217; Fl. Males. ser. 1, 8 (1977) 264, Fig. 7; --Laurus *lucida* Thunb., Fl. Jap. (1784) 174.

*Symplocos theaeifolia* D Don, Fl. Nepal. (1825) 145; --Brand, Pflanzenreich 6 (1901) 66 ('theifolia'); --Backer & Bakh.f., Fl. Java 2 (1965) 205.

*Symplocos laeviramulosa* Elmer, LPB 7 (1914) 2323; --Merr., EPFP 3 (1923) 300. –Type:

*Symplocos loheri* Brand, PJS 7 c (1912) Bot. 32; --Merr., EPFP 3 (1923) 300. –Type:

N India, N Burma, N Thailand, Indochina, China, Hongkong, Hainan, Japan, Ryukyu Isls, Taiwan, throughout Malesia except Borneo, the Moluccas, and New Guinea.

**Symplocos obovatifolia** Merr., PJS 12 c (1917) Bot. 290; EPFP 3 (1923) 300; --Noot., Leiden Bot. Ser. 1 (1975) 242; Fl. Males. ser. 1, 8 (1977) 266, Fig. 7. –Type:

LUZON: Nueva Ecija (Mt Umingan). Hill rainforest, Fr. Aug-Sept. Two collections.

**Symplocos odoratissima** (Blume) Choisy *ex* Zoll., Syst. Verz. 2 (1854) 136; --Noot., Leiden Bot. Ser. 1 (1975) 245; Fl. Males. ser. 1, 8 (1977) 266, Fig. 7; --Dicalyx *odoratissimus* Blume, Bijdr. (1826) 1116.

*Symplocos acuminatissima* Merr., PJS 11 c (1916) Bot. 31; EPFP 3 (1923) 296. –Type:

*Symplocos apoensis* Elmer, LPB 7 (1914) 2319; --Merr., EPFP 3 (1923) 297. –Type:

*Symplocos bulusanensis* Elmer, LPB 10 (1939) 3792, not validly published, no Latin diagnosis. –Voucher:

*Symplocos dagamiensis* Brand, Fedde Repert. 14 (1916) 324; --Merr., EPFP 3 (1923) 298. –Type:

*Symplocos floridissima* Brand in Engl., Pflanzenreich 6 (1901) 35; --Brand, PJS 3 c (1908) Bot. 5; *idem*. 7 (1912) Bot. 32; --Merr., EPFP 3 (1923) 298

*Symplocos floridissima* Brand var. *serrata* Brand, PJS 4 c (1909) Bot. 108. –Type:

*Symplocos megalobotrys* Merr., PJS 9 c (1914) Bot. 383; EPFP 3 (1923) 300, 'megalobotrys' in EPFP. –Type:

*Symplocos patens* C Presl, Rel. Haenk. 2 (1830) 61; --Brand, Pflanzenreich 6 (1901) 34; --Merr., EPFP 3 (1923) 301. –Type:

*Symplocos patens* C Presl forma *ciliata* (C Presl) Brand, PJS 3 c (1908) Bot. 4; --*Symplocos ciliata* C Presl, Rel. Haenk. 2 (1831) 61; --Fern.-Villar, Novis. App. (1880) 127. –Type:

*Symplocos patens* C Presl forma *elmeri* (Brand) Brand, PJS 3 c (1908) Bot. 4; --*Symplocos elmeri* Brand in Perkins, Fragm. Fl. Philip. (1904) 36. –Type:

*Symplocos spicata* (non Roxb.) Fern.-Villar, Novis. App. (1880) 127; --Vidal, Sinopsis Atlas (1883) t. 64.

*Symplocos villarii* Vidal, Rev. Pl. Vasc. Filip. (1886) 178, *excl. syn.* *Guettarda polyandra* Blanco, *nom. illeg.*

*Symplocos pseudospicata* Vidal, Rev. Pl. Vasc. Filip. (1886) 179.

*Symplocos pulgarensis* Elmer, LPB 5 (1913) 1841; --Merr., EPFP 3 (1923) 302. –Type:

*Symplocos salix* Brand, Fedde Repert. 14 (1916) 325; --Merr., EPFP 3 (1923) 302. --Type:  
*Symplocos villarii* Vidal, Rev. Pl. Vasc. Filip. (1886) 178; --Merr., EPFP 3 (1923) 302. --Type:  
*Symplocos verdifolia* Elmer, LPB 10 (1939) 3793, not validly published, no Latin diagnosis. --Voucher:

**var. odoratissima**

Throughout Malesia, except New Guinea. LUZON: Abra, Mountain Province, Cagayan, Bataan, Bulacan, Rizal, Laguna, Quezon, Sorsogon, MINDORO, PALAWAN, LEYTE, SAMAR, MINDANAO: Davao (Mt Apo). Common in primary and secondary rainforests at low and medium altitudes.

**var. wenzelii** (Merr.) Noot., Leiden Bot. Ser. 1 (1975) 248; Fl. Males. ser. 1, 8 (1977) 267, Fig. 7; --  
*Symplocos wenzelii* Merr., PJS 10 c (1915) Bot. 282; Merr., EPFP 3 (1923) 302. --Type:  
Borneo (Sarawak; Kalimantan), Philippines. LEYTE. Fl. (Mar) Jun-Dec, fr. (Feb-May) Jul.

**Symplocos ophirensis** Clarke, Fl. Brit. Ind. 3 (1882) 579; Noot., Fl. Males. ser. 1, 8 (1977) 267.

**ssp. cumingiana** (Brand) Noot., Leiden Bot. Ser. 1 (1975) 253; Fl. Males. ser. 1, 8 (1977) 268.

**var. cumingiana**

*Symplocos cumingiana* Brand in Engl. Pflanzenreich 6 (1901) 58; --Merr., PJS 3c (1908) Bot. 8; EPFP 3 (1923) 297. --Type:

*Symplocos angularis* Elmer, LPB 2 (1908) 510. --Type:

*Symplocos brachybotrys* Merr., PJS 14 (1919) 447, non Merr. 1917; EPFP 3 (1923) 300. --Type:

*Symplocos curtiflora* Elmer, LPB 2 (1908) 509; --Merr., EPFP 3 (1923) 298. --Type:

*Symplocos elliptifolia* Merr., PJS 12 c (1917) Bot. 292; EPFP 3 (1923) 298. --Type:

*Symplocos ilocana* Merr., PJS 35 (1928) 7. --Type:

*Symplocos minutiflora* Elmer, LPB 7 (1914) 2320; --Merr., EPFP 3 (1923) 300. --Type:

*Symplocos purpurascens* Brand, PJS 7 c (1912) Bot. 33; EPFP 3 (1923) 302. --Type:

*Symplocos agusanensis* Elmer, LPB 7 (1914) 2321. --Type:

Borneo, Philippines, Sulawesi.

**var. pachyphylla** (Merr.) Noot., Leiden Bot. Ser. 1 (1975) 254; Fl. Males. ser. 1, 8 (1977) 269, Fig. 7; --  
*Symplocos pachyphylla* Merr., PJS 10 c (1915) Bot. 283; EPFP 3 (1923) 300. --Type:

LEYTE, MINDANAO. Hill forests, altitude c. 500m. Fl. Sept. Twice collected.

**ssp. perakensis** (King & Gamble) Noot., Leiden Bot. Ser. 1 (1975) 255, f. 4a-c; Fl. Males. ser. 1, 8 (1977) 268, Fig. 4a-c, 7; --  
*Symplocos perakensis* King & Gamble, J. As. Soc. Beng. 74, ii (1906) 241. --Type from Peninsular Malaysia

**var. perakensis**

*Symplocos fragrans* Elmer, LPB 2 (1908) 508; --Brand, PJS 7 c (1912) Bot. 33; --Merr., EPFP 3 (1923) 299.  
Peninsular Malaysia, Philippines. NEGROS.

**Symplocos pendula** Wight, Icon. 4 (1848) 10, 1237; --Noot., Fl. Males. ser. 1, 8 (1977) 214.

**var. hirtistylis** (Clarke) Noot., Leiden Bot. Ser. 1 (1975) 42, fig. 2a; Fl. Males. ser. 1, 8 (1977) 215.

*Symplocos confusa* Brand in Engl. Pflanzenreich 6 (1901) 88; --Brand, PJS 3 c (1908) Bot. 3; --Merr., EPFP 3 (1923) 297. --Type:

*Symplocos foxworthyi* Brand, PJS 3 c (1908) Bot. 3; --Merr., EPFP 3 (1923) 299. --Type:

N Burma, Indochina, China, Japan, Taiwán. Throughout Malasia, except Java and the Lesser Sunda Isls. Primary and secondary montane and high montane mossy forests, often common on ridges, **alt.**

**Symplocos polyandra** (Blanco) Brand, in Engl. Pflanzenreich Heft. 6 (1901) 436, *quoad syn.*

*Blanco, excl. descr. et strip.*; --Merr., Sp. Blancoanae (1918) 304; EPFP 3 (1923) 301; --Noot., Leiden Bot. Ser. 1 (1975) 264; Fl. Males. ser. 1, 8 (1977) 269, Fig. 7; --Guettarda *polyandra* Blanco, Fl. Filip. ed. 2 (1845) 500; ed. 3 (1879) 126. --Type:

*Baranda angatensis* Llanos, Mem. Acad. Cienc. Madrid 3, 2 (1857) 502.

*Symplocos oblongifolia* Rolfe, J. Bot. 23 (1885) 214; --Vidal, Phan. Cuming. Philip. (1885) 124; Rev. Pl. Vasc. Filip. (1886) 178; --Brand, Pflanzenreich 6 (1901) 55; --Carlea *oblongifolia* C Presl, Epim.

Bot. (1851) 216. –Type:

Borneo and adjacent islands (Natuna; Banka; Billiton; Karimata; St Barbe), Philippines, SW Sulawesi. Lowland to montane primary or secondary forests, up to 1100m.

**Symplocos trisepala** Merr., PJS 12 c (1917) Bot. 291; EPFP 3 (1923) 302; --Noot., Leiden Bot. Ser. 1 (1975) 289; Fl. Males. ser. 1, 8 (1977) 272. –Type:

LUZON: Nueva Ecija (Mt Umingan). Montane forest, at least 400m. Fl. Aug-Sept. Known only from the type.

**Symplocos verticillifolia** Noot., Leiden Bot. Ser. 1 (1975) 290; Fl. Males. ser. 1, 8 (1977) 272, Fig. 7, 20. –Type:

SAMAR: Mt Cansayao. Lowland dipterocarp forest, altitude 200m. Fr. Apr.

**Symplocos vidalii** Rolfe, Kew Bull. (1912) 290; --Merr., EPFP 3 (1923) 302; --Noot., Leiden Bot. Ser. 1 (1975) 290; Fl. Males. ser. 1, 8 (1977) 272, Fig. 7. –Type:

*Symplocos cagayanensis* Brand, PJS 7 c (1912) Bot. 35; --Merr., EPFP 3 (1923) 297. –Type:

LUZON: Cagayan, Nueva Ecija, Rizal. Lowland and medium altitude primary rainforests. Fl. Feb, fr. Apr.

**Symplocos whitfordii** Brand, PJS 3 c (1908) Bot. 4; --Merr., EPFP 3 (1923) 302; --Noot., Leiden Bot. Ser. 1 (1975) 292; Fl. Males. ser. 1, 8 (1977) 273, Fig. 7. –Type:

LUZON: Benguet (Mt Pulag), NEGROS. Montane rainforest, also in mossy forest, altitude 1600-2450m. Fl. Jan-Apr, fr. Feb, May.

#### **Dubious species:**

*Symplocos imperialis* Brand, PJS 4 c (1909) Bot. 109; --Merr., EPFP 3 (1923) 299; --Noot., Fl. Males. ser. 1, 8 (1977) 274. –Type: BS 4133 Fenix (US\*, iso). Camiguin de Babuyanes, Jun-Jul 1907.

Possibly =*S. adenophylla*?