

# TAIWANIA

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## An Enumeration of *Symplocos* Species from Kwangsi

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The following enumeration is a contribution toward our knowledge of the flora of Kwangsi. Sixteen species of the genus *Symplocos* are herein recorded, several of which are new records for the province. Some of the determinations were made by H. Sleumer. The material is based on the collection of the herbarium of the Arnold Arboretum of Harvard University. It contains the early collection made by R. C. Ching in 1928, and later collections made by A. N. Steward and H. C. Cheo of the University of Nanking, W. T. Tsang of Lingnan University, and S. P. Ko of the Botanical Institute of Sun-Yatsen University.

1. ***Symplocos alata*** Brand in Bot. Jahrb. 29:529. 1900, in Engl. Pflanzenr. 6 (IV-242):67. 1901.

**Kwangsi:** Shang-sze District, Shap Man Taai Shan, *W. T. Tsang* 24279, Sept. 16, 1934, 24451, Oct. 1-16, 1934, 24533, Oct. 22-31, 1934, 24756, Nov. 27, 1934, woody, 7-15 ft., fairly common, thicket, fl. white, fragrant.

Chekiang and Fukien to Szechuan, Yunnan and Hainan. New to Kwangsi.

2. ***Symplocos anomela*** Brand in Bot. Jahrb. 29:67. 1900, in Engl. Pflanzenr. 6 (IV-242):67. 1901.

**Kwangsi:** Shang-sze District, Shap Man Taai Shan, *W. T. Tsang* 22310, May 17, 1933, 22438, June 2-7, 1933, 22471, June 16, 1933, woody, 6-10 ft., fairly common, in thicket, dry, clay, rocky, silt, fr. yellow to black; Waitsap District, Tong Shan, near Sap-luk Po Village, *W. T. Tsang* 22787, Sept. 15, 1933, woody, 9 ft., fairly common, dry steep slope, silt, sandy soil, fl. white, fragrant.

Szechuan, Hupeh, Anhwei, Kiangsu, Chekiang, Fukien, Hunan, Kweichow, Hainan.

3. ***Symplocos adenopus*** Hance in Journ. Bot. 21:322. 1883; Brand in Engl. Pflanzenr. 6 (IV-242): 67. 1901.

**Kwangsi:** Waitsap District, Tong Shan, near Sap-luk Po Village, *W. T. Tsang* 22785, Sept. 14, 1933, woody, 4 ft., fairly common, dry silt, clay, thicket, fl. white, fragrant; Waitsap, District, Ton Ngok Shan, near Tung Chung

Village, *W. T. Tsang* 23136, Nov. 8, 1933, woody, 5 ft., fairly common, dry silt, sandy soil, swamp, fr. black.

Kwangtung, Hainan, Kweichow, new to Kwangsi.

4. **Symplocos caudata** Wall. List no. 4413, 1828; G. Don, Syst. 4:3. 1837; A. DC. Prodr. 8; 256. 1844; Brand in Engl. Pflanzenr. 6 (IV-242):42. 1901.

**Kwangsi:** No precise locality, *R. C. Ching* 8218, Oct. 25, 1928; Sen-feng-dar-shan, south of Nanning, *R. C. Ching* 8248, Oct. 27, 1928, tree, 30 ft., common, in woods, alt. 2000 ft.; San Chiang Hsien, Ling Wang Shan, *A. N. Steward & H. C. Cheo* 994, Sept. 19, 1933, shrub, 3 m., in forest, alt. 2180 m.; Shang-sze District, Shap Man Taai Shan, Nem She Village, *W. T. Tsang* 24700, Nov. 21, 1934, woody, 7 ft., fairly common, thicket, fl. white.

Northern India, southern and central China, Liukiu Islands, Japan.

5. **Symplocos chinensis** (Lour.) Drude in Rept. Bot. Exch. Club. Brit. Isles 4: 650. 1917; Merr. in Philip. Jour. Sci. 15:252. 1919, in Trans. Am. Phil. Soc. 11. 24 (2):303. 1935.

*Myrtus chinensis* Lour., Fl. Cochinch. 313. 1790, ed Willd. 382. 1793.

*Symplocos sinica* Ker in Bot. Reg. 9: pl. 710. 1823; Brand in Engl. Pflanzenr. 6 (IV-242):34. 1901.

**Kwangsi:** Shang-sze District, Shap Man Taai Shan, near Ping Hoh Villale, *W. T. Tsang* 22098, April 13, 1933, 23809, July 11-30, 1934, woody, 1 m., abundant, dry, clay, fl. white, fragrant, fr. black; Ling-chuan District, Hai-yang Shan, Ling-chai-miao, *W. T. Tsang* 27848, July 13-19, 1937, woody, 1 ft., fairly common, fr. black; Ling-chuan District, Ta-ling, Yang-wu Village, *W. T. Tsang* 27913, July 21-30, 1937, woody, 3 ft., common, clay, fr. black; Kwei-lin District, Ban-ming Village, *W. T. Tsang* 28102, Aug. 5-23, 1937, woody, 2 ft., common, fr. black.

Widely distributed in southern China.

6. **Symplocos cochinchinensis** (Lour.) Moore in Jour. Bot. 52:148. 1914; Merr. in Trans. Am. Phil. Soc. II. 24 (2):304. 1935.

*Dicalya cochinchinensis* Lour., Fl. Cochinch. 663. 1790, ed. Willd. 816. 1793; Brand in Engl. Pflanzenr. 6 (IV. 242):90. 1901 (sp. dub.).

*Symplocos ferruginea* Roxb., Hort. Beng. 40. 1814, *nomen nudum*, Fl. Ind. ed. 2. 2:542. 1832; Brand in Engl. Pflanzenr. 6 (IV-242):40. 1901.

**Kwangsi:** Mung Tung Kon, north of Luchen, *R. C. Ching* 5527, May 30, 1928, tree 30 ft., in woods, common, alt. 1500 ft.; Ba Ko Shan, western Poseh,

*R. C. Ching* 7380, Sept. 13, 1928, 7484, Sept. 16, 1928, 7515, Sept. 18, 1928, tree, 35-60 ft., in woods, alt. 3000-3500 ft.; Seh-feng Dar Shan, south of Nanning, *R. C. Ching* 8214, Oct. 25, 1928, tree, 70 ft., in open woods, common, alt. 1900 ft.; Shang-sze District, Shap Man Taai Shan, Nam She Village, *W. T. Tsang* 24805, Dec. 1-5, 1934, woody, 15 ft., fairly common, thicket, fr. blackish blue.

Himalaya, India, Malaya, Sumatra, Java, the Philippine Islands, Indo-china, China: Kwangtung, Hainan.

7. ***Symplocos confusa*** Brand in Engl. Pflanzenr. 6 (IV-242):88.1901.

**Kwangsi:** Shang-sze District, Shap Man Taai Shan, Tang Lung Village, *W. T. Tsang* 24345, Sept. 25, 1934, woody, 5 ft. fairly common, thicket, fr. black.

Kwangtung, Fukien, Chekiang; new to Kwangsi.

8. ***Symplocos congesta*** Benth., Fl. Hongk. 211. 1861; Brand in Engl. Pflanzenr. 6 (IV-242):69. 1901.

**Kwangsi:** Yeo Mar Shan, northern Hin Yen, *R. C. China* 7206, Aug. 29, 1928, shrub, 10 ft., in woods, rare, alt. 4800 ft.; Ser-fng Dar Shan, south Nanning, *R. C. Ching* 8070, Aug. 21, 1928, small tree, 25 ft., in open woods, rare, alt. 2500 ft.; Yung Hsien, Ta Tseh Tseun, *A. N. Steward & H. C. Cheo* 1092, Oct. 5, 1933, shrub, 7.5 m. in valley, forest, alt. 380.; Waitsap District, Tong Shan, near Sap-luk po Village, *W. T. Tsang* 22863, Sept. 23, 1933, woody, 10 ft., fairly common, dry, steep slope, sand soil, thicket; Waitsap District, Se Tze Shan, near Tung Chung Village, *W. T. Tsang* 23353, Dec. 4-6, 1933, woody, 10 ft., fairly common, dry clay, thicket; Shang-sze District, Shap Man Taai Shan, Tung, Tung Lung Village, *W. T. Tsang* 24227, Sept. 7, 1934, 24455, Oct. 1-16, 1934, woody, 10 ft., fairly common, fl. white, fragrant; Shang-sze District, Shap Man Taai Shan, Nam She Village, *W. T. Tsang* 24633, Nov. 11, 1934, woody, 15 ft., fairly common, thicket, fl. white, fragrant.

Kwangtung, Fukien, Kiangsi.

9. ***Symplocos decora*** Hance in Journ. Bot. 12:369. 1874, 14:307, 1876; Brand in Engl. Pflanzenr. 6 (IV-242):60. 1901.

**Kwangsi:** Ling Yun Hsien, Loh Hoh Tseun, *A. N. Steward & H. C. Cheo* 83, March 26, 1933, tree, 8 m., forset, alt. 1880 m.

Kwangtung, Chekiang; The determination was made by H. Sleumer.

10. ***Symplocos glauca*** (Thunb.) Koidz. in Bot. Mag. Tokyo 39:313, 1925.

*Laurus glauca* Thunb., Fl. Jap. 173, 1784.

*Symplocos neriiifolia* Sieb. et Zucc. in Abh. Akad. Muench. 4(3):134: 1846. (Fl. Jap. Fam. Nat. 2:10.); Brand in Engl. Pflanzenr. 6 (IV-242)69. 1901.

**Kwangsi:** Shang-sze District, Shap Man Taai Shan, near Iu Shan Village, *W. T. Tsang* 22304, May 16, 1933, woody, 25 ft., fairly common, in thicket, dry, clay, rocky, silt, fl. white, fragrant; San Chiang Hsien, Lan Pao Kyou, *A. N. Steward & H. C. Cheo* 995, Sept. 6, 1933, shrub, 6 m., in forest, alt. 300 m.; Shang-sze District, Shap Man Taai Shan, Tang Lung Village, *W. T. Tsang* 24437, Oct. 1-16, 1934, woody, 20 ft., rocky, thicket, fr. black.

Japan, Formosa, Indo-China, central and southern China, Hainan.

11. ***Symplocos laurina*** (Retz.) Wall. List no. 4416, 1828; Rehder in Sargent, Pl. Wils. 2:594. 1916; Merr. in Trans. Am. Phil. Soc. II 24(2):305. 1935.

*Myrtus laurinus* Retz., Obs. 4:26. 1786.

*Symplocos spicata* Roxb., Hort. Beng. 40. 1814, *nomen nudum*, Fl. Ind. ed. 2, 2:541. 1832; Brand in Engl. Pflanzenr. 6 (IV-242):39. 1901.

**Kwangsi:** Wei-chen, south of Hoo-chi, *R. C. Ching* 6436, July 13, 1928, tree, 38 ft., in woods, common, alt. 1500 ft.; Beko Shan, western Poseh, *R. C. Ching* 7659, Sept. 25, 1938, tree 80 ft., in woods, common, alt. 2500 ft.; Seh-feng Dar Shan, south of Nanning, *R. C. Ching* 8325, Oct. 29, 1928, 8357, Nov. 3, 1928, tree, 30-50 ft., in woods, alt. 2600-3000 ft.; Waitsap District, Tong Shan, near Sap-luk Po Village, *W. T. Tsang* 22840. Sept. 21, 1933, woody, 4 ft., abundant, silt, sandy soil, swamp; Waitsap District, Tou Ngok Shan, near Tung Village, *W. T. Tsang* 23190, Nov. 14, 1933, woody, 5 ft., fairly common, dry silt; Shang-sze District, Shap Man Taai Shan, *W. T. Tsang* 24334, Sept. 24, 1934, 24390, Sept. 30, 1934, 24734, Nov. 25, 1934, woody, 6-10 ft., fairly common, thicket, fl. white, fragrant; Kwei-lin District, Chi-fen-shan, Hsi-chang Village, *W. T. Tsang* 28347, Sept. 24-29, 1937, woody, 7 ft., fairly common, steep slope, swampy, thicket, fl. white, fragrant; Pin lam, *S. P. Ko* 55603, Aug. 24, 1935, tree, 15 m., in woods by hill.

India to Japan, southward to Java.

12. ***Symplocos lancifolia*** Sieb. et Zucc. in Abh. Akad. Muench. 4(3):133. 1846 (Fl. Jap. Fam. Nat. 2:9); Brand in Engl. Pflanzenr. 6 (IV-242):41. 1901.

**Kwangsi:** Yung Hsien, Ta Tseh Tseun, *A. N. Steward & H. C. Cheo* 873, Aug. 20, 1933, shrub, 7 m., forest. alt. 540 m.; San-Chinag Hsien, Lao Kaon, *A. Steward & H. C. Cheo* 1049, Sept. 12, 1933, shrub, 3 m., valley,

roadside, alt. 300 m.; Waitsap District, Tong Shan, near Sap luk Po. Village, *W. T. Tsang* 22871, Sept. 24, 1933, 22810, Sept. 17, 1933, woody 3-4 ft., fairly common, dry, silt, sandy soil; Sun-to District, Po Yam Shan, near Tai Chung Village, *W. T. Tsang* 22959, Oct. 11, 1933, 23085, Oct. 25, 1933, woody, 5-7 ft., fairly common, dry, silt, sand soil; Shang-sze District, Shap Man Taai Shan, Tang Lung Village, *W. T. Tsang* 24050, Aug. 17, 1934, woody, 10 ft., fairly common, fl. white, fragrant.

Japan, China: Hupeh, Kwangtung, Kweichow, Szechuan, Formosa. New to Kwangsi.

13. ***Symplocos paniculata*** (Thunb.) Miq. in Ann. Bot. Lugd-Bat. 3:102. 1867, Prol. Fl. Jap. 1867; Rehder in Jour. Arn. Arb. 15:297. 1934.

*Prunus paniculata* Thunb., Fl. Jap. 200. 1784.

*Symplocos crataegoides* Hamilton *apud* D. Don, Prodr, Fl. Nepal. 145. 1825; Brand in Engl. Pflanzenr. 6 (IV-242):33. 1901.

**Kwangsi:** Yung Hsien, Ta Tseh Tseun, *A. N. Steward & H. C. Cheo* 758, Aug. 4, 1933, shrub, 3 m., valley, roadside, alt. 380 m.; Shang-sze District, Shap Man Taai Shan, near Ping Hoh Village, *W. T. Tsang* 21935, March 25-31, 1933, 22128, April 17, 1933, woody, 8-10 ft., abundant; Shang-sze District, Shap Man Taai Shan, Na Wai Village, *W. T. Tsang* 23805, July 11-30, 1934, woody, 10 ft., fairly common, silt, swampy thicket, fr. black; Kwei-lin District, Ching-kang-shan, Ta-ching-atan Village, *W. T. Tsang* 28133, woody, 10 ft., fairly common, fr. black.

Japan, Korea, Himalaya, China: Anhwei, Shangtung, Chekiang, Fukien, Kiangsi, Kweichow, Yunnan, Szechuan, Formosa.

14. ***Symplocos propinqua*** Hance in Journ. Bot. 6:329. 1868; Brand in Engl. Pflanzenr. 6 (IV-242):36. 1901.

**Kwangsi:** Sui-luk District. Pa Lau Village, *W. T. Tsang* 21819, Feb. 21-30, 1933, 21932, March 1-18 1933, woody, 5-8 ft., fairly common, dry clay.

Kwangtung, Hainan. The determination was made by H. Sleumer.

15. ***Symplocos ramossissima*** Wall. List no. 4425, 1828; A. DC. Prodr. 8: 257. 1844; Brand in Engl. Pflanzenr. 6 (IV-242):53, 1901.

**Kwangsi:** Ling Yun Hsien, Loh Hoh Tseun; *A. N. Steward & H. C. Cheo* 136, April 6, 1933, 283, April 30, 1933, 425, May 16, 1933, shrub, 3-5 m., forest, alt. 1800-1900 m.

Himalaya, Burma, Yunnan. The determination was made by H. Sleumer.

16. ***Symplocos theifolia*** D. Don, Prodr. Fl. Nepal. 145. 1825; Brand in Engl.

Pflanzenr. 6 (IV-242):66. 1901.

**Kwangsi:** Shang-sze District, Shap Man Taai Shan, near In Shan Village, *W. T. Tsang* 22404, June 2-7, 1933, woody, 10 ft., fairly common, in thicket, swamp, rocky, silt; Waitsap District, Tong Shan, Sap-luk Village, *W. T. Tsang* 22738, Sept. 8, 1933, 22752, Sept. 10, 1933, 22912A, Sept. 31, 1933, woody, 5-20 ft., fairly common, sand soil, thicket.

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