

Family 214. THYMELAEACEAE

Revision:

Airy Shaw, HK. *Thymelaeaceae*. Flora Malesiana series 1, 6 (1960) 1-48. *Gonystylus* (*Gonystylaceae*) is separately treated (q.v.).

Aquilaria Lam.

Aquilaria apiculata Merr., PJS 20 (1922) 411; EPFP 3 (1923) 130; --Quisumb., J. Arnold Arb. 27 (1946) 403; --Ding Hou, Fl. Males. ser. 1, 6 (1960) 11.
MINDANAO: Bukidnon. Dry and mossy forests, 1100-1800m.

Aquilaria brachyantha (Merr.) Hallier f., Med. Rijksherb. no. 44 (1922) 16; --Merr., EPFP 4 (1925) 244; --Quisumb., J. Arnold Arb. 27 (1946) 403; --Ding Hou, Fl. Males. ser. 1, 6 (1960) 10, Fig. 1d; --*Gyrinopsis brachyantha* Merr., PJS 7 c (1912) Bot. 313; EPFP 3 (1923) 130. --Type:
LUZON: Cagayan. Twice collected. Low altitude primary forest.

Aquilaria citrinaecarpa (Elmer) Hallier f., Meded. Rijks Herb. 44 (1922) 18; --*Gyrinopsis citrinaecarpa* Elmer, LPB 5 (1913) 1631; --Merr., EPFP 3 (1923) 130; --Quisumb., J. Arnold Arb. 27 (1946) 405. --Type: Elmer 13566 (L*, NY*, U*, US*, isotypes). Mindanao: Agusan del Norte prov., Mt Urdaneta. Wooded ridges of Duros Peak, alt. 4000 ft., August 1912.
MINDANAO: Agusan del Norte (Mt Urdaneta). Known only from the type collection.
Moist compact soil of forested ridges, c. 1300m.

Aquilaria cumingiana (Decne.) Ridley, J. Str. Br. R. As. Soc. no. 30 (1901) 80; --Ding Hou, Fl. Males. ser. i, 6 (1960) 15, Fig. 1i; --*Gyrinopsis cumingiana* Decne., Ann. Sc. Nat. ii, 19 (1843) 41; --Merr., EPFP 3 (1923) 131; 4 (1925) 244; --Quisumb., J. Arnold Arb. 27 (1946) 405. --Type: Cuming 1617 (NY*). Mindanao: Precise locality not indicated.
Gyrinopsis cumingiana var. *pubescens* Elmer, LPB 5 (1913) 1629. --Type: Elmer 10981 (L*, NY*, US*, isotypes). Mindanao: Davao, Mt Apo, Todaya. Along ridge of Baracatan Creek, alt. 1750 ft. June 1909
Gyrinopsis decemcostata Hallier f., Meded. Rijks Herb. 44 (1922) 17. --Type: BS 1114 Ramos (L*, lectotype). Luzon: Laguna prov., Dahican River, Sept. 1912.
Gyrinopsis pubifolia Quisumb., J. Arnold Arb. 27 (1946) 406. --Type: BS 75314 (A). Catanduanes: Mt Abucay, alt. 1600m (altitude most likely in error as no part of Catanduanes reach this altitude), 11 Sept. 1928.
S Borneo (Sampit region), Philippines (common), and Moluccas (Morotai and Halmahera). Primary forests at low and medium altitudes.

Aquilaria filaria (Oken) Merr., J. Arn. Arb. 31 (1950) 283, excl. syn. *Gyrinopsis brachyantha* Merr.; --Ding Hou, Fl. Males. Ser. 1, 6 (1960) 11, Fig. 2 (map).
Gyrinopsis acuminata Merr., PJS 17 (1920) 294; EPFP 3 (1923) 130; --Quisumb., J. Arnold Arb. 27 (1946) 403. --Type: BS 35158 Ramos & Pascasio (US*, isotype). Dinagat. May 1919.
Philippines, Moluccas (Morotai, Seram, Ambon), New Guinea (Sorong, Babo and Kapor). DINAGAT, BUCAS GRANDE.

Aquilaria malaccensis Lam., Encycl. 1 (1783) 49; --Merr., EPFP 3 (1923) 130; --Quisumb., J. Arnold Arb. 27 (1946) 403; --Ding Hou, Fl. Males. ser. 1, 6 (1960) 9, Fig. 1h.
India (Assam), Bangladesh, Tenasserim, Sumatra (Simalur, Sibolangit, Palembang, and Banka), Peninsular Malaysia, N & E Borneo, Philippines. LUZON.

Aquilaria parvifolia (Quisumb.) Ding Hou, Fl. Males. ser. 1, 6 (1960) 12; --*Gyrinopsis parvifolia* Quisumb., J. Arnold Arb. 27 (1946) 405. --Type: BS 76441 Edaño (A, holotype; L*, type fragment). Luzon: Camarines Sur prov., Her-it River, Dec. 1928.
LUZON: Camarines Sur. A total of four specimens cited by Ding Hou, including Wenzel

1201 (possibly not from Luzon but Leyte or NE Mindanao). Forested slopes, alt. 1000m.

Aquilaria urdanetensis (Elmer) Hallier *f.*, Med.Rijksherb. no. 44 (1922) 16; --Ding Hou, Fl. Males. ser. 1, 6 (1960) 10; --Gyrinopsis urdanetensis. Elmer, LPB 5 (1913) 1630; --Merr., EPFP 3 (1923) 131; --Quisumb., J. Arnold Arb. 27 (1946) 405. --Type: Elmer 14195 (L*, NY*, U*, US*, isolectotypes). Mindanao: Agusan del Norte prov., Mt Urdaneta. Damp mossy forest, altitude 5250 ft., October 1912.

MINDANAO: Agusan del Norte (Mt Urdaneta). Mossy forest on exposed ridges, altitude c. 1700m. Twice collected.

Daphne Linnaeus

Daphne luzonica C Robinson., Bull. Torr. Bot. Club 35 (1908) 72, 75; --Merr., EPFP 3 (1923) 132; --Ding Hou, Fl. Males. ser. 1, 6 (1960) 35, Fig. 14a-b.

LUZON: Benguet. Mossy forests on the higher mountains, altitude 2000-2500m.

Enkeleia Griffith

Enkeleia paniculata (Merr.) Hallier *f.*, Meded. Rijks Herb. 44 (1922) 26; --Merr., EPFP 4 (1925) 244; --Ding Hou, Fl. Males. ser. 1, 6 (1960) 25, Fig. 10h-l; --Macgregorianthus paniculatus Merr., PJS 7 c (1912) Bot. 312; EPFP 3 (1923) 132. --Type:

Philippines, New Guinea. LUZON.

Gyrinopsis Decaisne =Aquilaria

Macgregorianthus Merrill =Enkeleia

Phaleria Jack

Phaleria capitata Jack, Mal. Misc. (1822) 59; --Ding Hou, Fl. Males. ser. 1, 6 (1960) 20, Fig. 3a-g, 6. *Phaleria cumingii* (Meisn.) Fernandez-Villar, Novis. App. (1880) 183; --Merr., EPFP 3 (1923) 131. Sri Lanka, Sumatra, Peninsular Malaysia, Borneo, Philippines, Java, Sulawesi, Moluccas (Buru), New Guinea (Waigeo Is), Palau.

Phaleria coccinea (Gaudich.) F Muell., Desc. Not. 2 (1885) 9; --Ding Hou, Fl. Males. ser. 1, 6 (1960) 21.

Phaleria platyphylla Merr., PJS 14 (1919) 429; EPFP 3 (1923) 131.

Philippines, Moluccas (Sula; Ambon; Seram & Kei), New Guinea, New Britain. PANAY, MINDANAO.

Phaleria perrottetiana (Decne.) Fernandez-Villar, Novis. App. (1880) 183; --Merr., EPFP 3 (1923) 131; --Ding Hou, Fl. Males. ser. 1, 6 (1960) 18, Fig. 4 (map).

N Borneo (Banguay Is & Lahat Datu), Philippines, Moluccas (Kei; Seram), New Guinea, Louisiade Archipelago (Sudest Is).

Pimelea Banks & Solander

Pimelea cornucopiae Vahl, En. Pl. 1 (1804) 305; --Ding Hou, Fl. Males. ser. 1, 6 (1960) 46, Fig.

19a-g.

Pimelea philippinensis C Robinson, PJS 6 c (1911) Bot. 345; --Merr., EPFP 3 (1923) 134.
Philippines, New Guinea (Western & Central Divisions), Australia (Queensland),
D'Entrecasteaux Isls (Ferguson Is), New Britain, Louisiade Archipelago. LUZON:
Cagayan (near Sanches-Mira), once collected.

Wikstroemia Endlicher

Wikstroemia brachyantha Merr., PJS 13 c (1918) Bot. 313; EPFP 3 (1923) 132; --Ding Hou, Fl.
Males. ser. 1, 6 (1960) 31, Fig. 12a-b.
Borneo (Mt Kinabalu), Philippines. LUZON, CATANDUANES. Primary forests at low and
medium altitudes.

Wikstroemia indica (L.) C. Meyer, Bull. Acad. Imp. Sc. St. Petersb. 1 (1843) 357; --Merr., EPFP 3
(1923) 132; --Ding Hou, Fl. Males. ser. 1, 6 (1960) 34.
Wikstroemia linearifolia Elmer, LPB 2 (1910) 680; --Merr., EPFP 3 (1923) 133.
Wikstroemia ovata Vidal, Sinopsis (1883) 229, non C. Meyer
Wikstroemia pachyphylla Merr., PJS 12 c (1917) Bot. 297; EPFP 3 (1923) 133.
Wikstroemia pulgarensis Elmer, LPB 5 (1913) 1844; --Merr., EPFP 3 (1923) 133.
India, SE Asia, through Malesia (absent in the seasonal parts such as the Lesser Sunda
Isls) to Australia (N Australia, Queensland, New South Wales) and Melanesia (as far
east as Fiji). In thickets and secondary growth, also occurring on sand as well as bluffs
along the coast, on limestone, ultramafics, and marginal soils.

Wikstroemia lanceolata Merr. Govt. Lab. Publ. (Philipp.) 29 (1905) 31; --Merr., EPFP 3 (1923) 133;
--Ding Hou, Fl. Males. ser. 1, 6 (1960) 30. --Type:
Wikstroemia angustissima Merr., PJS 7 c (1912) Bot. 92; --Merr., EPFP 3 (1923) 132. --Type:
LUZON, MINDORO, PALAWAN. Common on forested slopes at low and medium
altitudes, up to 1300m.

Wikstroemia meyeniana Warb. in Perkins, Fragm. Fl. Philipp. (1905) 171; --Merr., EPFP 3 (1923)
133; --Ding Hou, Fl. Males. ser. 1, 6 (1960) 33.
Wikstroemia fenicis Merr., PJS 13 c (1918) Bot. 312; EPFP 3 (1923) 132.
Indochina, Philippines. LUZON to MINDANAO. Primary humid forests at low and
medium altitudes, up to c. 400m.

Wikstroemia ovata C. Meyer, Acad. Imp. Sc. St. Petersb. 1 (1843) 357; --Merr., EPFP 3 (1923) 133;
--Ding Hou, Fl. Males. ser. 1, 6 (1960) 31.
Borneo (Sabah, small isls off E coast), Philippines. LUZON, MINDORO, PALAWAN,
NEGROS, MINDANAO. Thickets, primary and secondary forests at low and medium
altitudes up to 800m.

Wikstroemia polyantha Merr., PJS 10 c (1915) Bot. 332; --Merr., EPFP 3 (1923) 133; --Ding Hou,
Fl. Males. ser. 1, 6 (1960) 32.
Peninsular Malaysia, Java (W part), Borneo (Sabah), Philippines. LUZON.

Wikstroemia retusa A Gray, J. Bot. Brit & For. 3 (1865) 303; Hatusima, Mem. Fac. Agr. Kagoshima
Univ. 5 (1966) 41.
Wikstroemia indica sensu Merr., EPFP 3 (1923) 132, non C.A. Mey., as to BATAN plants only.
Ryukyus, Lanyu (?), Philippines: BATAN. Rocky littoral meadow, Hatusima 28482,
28754. Locally frequent.