

Family 98. ANNONACEAE

Revisions:

Sinclair, J. 1955. *A revision of the Malayan Annonaceae*. Gardens' Bulletin Singapore 14: 149-516.

Alphonsea Hooker *filius* & Thomson

Alphonsea sessiliflora Merr.,

Anaxagorea A St. Hilaire

Anaxagorea luzonensis A Gray, Bot. Wilkes US Explor. Exped. (1854) 27; --Merr., EPFP 2 (1923) 158. --Type:

Anaxagorea radiata C Robinson, Bull. Torr. Bot. Club 35 (1908) 66, 74; --Merr., EPFP 2 (1923) 158.

Artabotrys R Brown

Artabotrys cumingiana Vidal, Phan. Cuming. Philip. (1885) 92; --Merr., EPFP 2 (1923) 172.

--Type:

Artabotrys cumingiana Vidal var. *subglabra* Elmer, LPB 5 (1913) 1705. --Type:

LUZON: Ilocos Norte, La Union, Pangasinan, Cagayan, Nueva Ecija, Bataan, MINDORO, PALAWAN, SIBUYAN. Low and medium altitude forests.

Artabotrys luteus Elmer, LPB 1 (1908) 290; --Merr., EPFP 2 (1923) 172. --Type:

Artabotrys cumingiana Vidal var. *reticulata* Elmer, LPB 5 (1913) 1706. --Type:

LUZON: Quezon, CATANDUANES, MINDANAO: Agusan del Norte. Forests up to 1100m.

Artabotrys cagayanensis Merr., PJS 14 (1919) 384; --Merr., EPFP 2 (1923) 172. --Type:

LUZON: Cagayan. Forested slopes at low altitudes.

Artabotrys corniculatus (Blanco) Merr., Sp. Blancoanae (1918) 150; EPFP 2 (1923) 173, under

synonymy of *A. suaveolens*; --J Sinclair, Gard. Bull. Sing. 14 (1955) 258, under *A. suaveolens*; --

Unona corniculata Blanco, Fl. Filip. (1837) 469; ed. 2 (1845) 326; ed. 3, 2 (1878) 240. --Type:

Artabotrys rolfei Vidal, Rev. Pl. Vasc. Filip. (1886) 39; --Merr., EPFP 2 (1923) 173, under synonymy of *A. suaveolens*. --Type:

Artabotrys monogynus Merr., PJS 14 (1919) 383; --Merr., EPFP 2 (1923) 173. --Type: BS 26826

Edaño.

LUZON: Zambales. Lowland forest.

Artabotrys stolonifer Elmer, LPB 10 (1939) 3684, invalid name, no Latin descr.

Artabotrys suaveolens Blume, Fl. Jav. Annon. (1828) 62, t. 30; --Merr., EPFP 2 (1923) 173; --J

Sincl., Gard. Bull. Sing. 14 (1955) 256, f. 12 & 13.

India (Assam), Burma, Thailand, Peninsular Malaysia to the Moluccas.

LUZON: Zambales, Bataan, Rizal, Laguna, Quezon, POLILLO, MINDORO, PALAWAN, BASILAN, MINDANAO. In dry thickets and in second growth forests at low altitudes.

Artabotrys vidualiana Elmer, LPB 5 (1913) 1707; --Merr., EPFP 2 (1923) 173. --Type: Elmer 13007 PALAWAN. Low altitude forest, altitude c. 150m.

Non-naturalized:

Artabotrys uncinatus (L.) Merr., PJS 7 c (1912) Bot. 234; --Merr., Fl. Manila (1912) 206; EPFP 2 (1923) 173.

Native of Sri Lanka and S India. LUZON to MINDANAO. Occasionally cultivated.

Cananga (A de Candolle) Hooker *filius* & Thomson

Cananga odorata (Lam.) Hook.f. & Thomson, Fl. Ind. 1 (1855) 130; --J Sincl., Gard. Bull. Sing. 14 (1955) 324.

Canangium odoratum (Lam.) Baill. ex King, J. As. Soc. Beng. 61² (1892) 41; --Merr., Fl. Manila (1912) 208; EPFP 2 (1923) 158.

E tropics from India to N Queensland. Planted in most of the tropics.

Throughout the Philippines in cultivation, occurring in some forested areas up to an altitude of 800m.

Canangium Baillon =*Cananga*

Cyathocalyx Champion ex Hooker *filius* & Thomson

Cyathocalyx acuminatus C Robinson, Bull. Torr. Bot. Club 35 (1908) 66, 74; --Merr., EPFP 2 (1923) 173. --Type: RS Williams 2143.

MINDANAO: Zamboanga. Low altitude forests.

Cyathocalyx apoensis (Elmer) J Sinclair, Gard. Bull. Sing. 14 (1955) 239; --*Drepananthus apoensis* Elmer, LPB 5 (1913) 1708; --Merr., EPFP 2 (1923) 174. --Syntypes:

Drepananthus convocarii Quisumb., PJS 76 (1944) 40. --Type: BS 84112 Ramos & Convozar. Mindanao: Agusan del Norte prov., Asiga River, in damp forest, altitude c. 1000m, 23 Apr 1931.

LEYTE, SAMAR, MINDANAO: Lanao del Sur, Bukidnon, Davao (Mt Apo), Agusan del Norte (Mt Hilong-hilong; Asiga River). Low and médium altitude forests, ascending to 900m.

Cyathocalyx crassipetalus RJ Wang & RMK Saunders, Syst. Bot. 31(2) (2006) 291 (286, 288, 292-293; figs. 1, 2a-b, 5-6). --Type: PNH 117088 Dutierin et al. (L, 2sheets, holo). Samar: Mt Coneoul, May 1969.

Cyathocalyx globosus Merr., Govt. Lab. Publ. (Philip.) 17 (1904) 17; --Merr., EPFP 2 (1923) 174.

LUZON: Ilocos Norte, Ilocos Sur, La Union, Benguet, Cagayan, Isabela, Bataan, Rizal, Quezon. In primary forests at low and medium altitudes.

Cyathocalyx philippinensis (Merr.) J Sinclair, Gard. Bull. Sing. 14 (1955) 239; --*Drepananthus philippinensis* Merr., PJS 3 c (1908) Bot. 137; --Merr., EPFP 2 (1923) 175. --Type:

LUZON: Camarines, MINDORO, MINDANAO: Lanao del Sur. Medium altitude forests.

Cyathocalyx samarensis RJ Wang & RMK Saunders, Syst. Bot. 31(2) (2006) 293 (front cover,

288, 294-296; figs. 2e-f, 7-8). --Type: PNH 118420 D Madulid et al. 1457 (L, holo; iso: L). Samar: Eastern Samar prov., Barrio Sta Rosa, May 1971.

Cyathocalyx (apparently no formal combination yet under this genus)

Drepananthus longiflorus C Robinson, PJS 6 c (1911) Bot. 201; --Merr., EPFP 2 (1923) 175.

Cyathostemma Griffith

Revision:

Utteridge, TMA. 2000. *Revision of the genus Cyathostemma (Annonaceae)*. Blumea 45: 377-396.

Cyathostemma glabrum (Span.) Jessup ex Utteridge, Blumea 45 (2000) 385; --Uvaria glabra

Span., Linnaea 15 (1841) 162. --Type:

Philippines, Timor, N Australia

SW PALAWAN.

Cyathostemma micranthum (A DC) J Sinclair, Gard. Bull. Sing. 14 (1955) 225; --Uvaria

micrantha (A DC) Hook.f. & Thomson, Fl. Ind. 1 (1855) 103; --EPFP 2 (1923) 155. --Type:

Burma and the Andaman Isls through Malesia into N Australia.

LUZON: Batangas, Sorsogon, MINDORO: Mindoro Oriental (Puerto Galera), PALAWAN

(Taytay), PANAY. Low altitude thickets and open forests, on or near the seashore.

Dasymaschalon (Hooker *filius* & Thomson) Dalla Torre & Harms

Dasymaschalon clusiflorum (Merr.) Merr., PJS 10 c (1915) Bot. 237; --Merr., EPFP 2 (1923) 175; --Unona clusiflora (iso).

Luzon: Bataan prov., Mt Mariveles, Lamao River, 11-14 June 1903.

Dasymaschalon clusiflorum var. *megalanthum* Merr., PJS 10 c (1915) Bot. 237; --Merr., EPFP 2 (1923) 175.

--Type: FB 10686 Curran (L*, iso). Luzon: Camarines Sur prov., Caramoan peninsula, June 1908.

Dasymaschalon oblongatum Merr., PJS 10 c (1915) Bot. 237; --Merr., EPFP 2 (1923) 175. --Type: Merrill 9703 (L*, US*, iso). Luzon: Benguet prov., Baguio, May 1914.

BABUYAN ISLS to PALAWAN and MINDANAO. Common in forests and thickets at low and medium altitudes, sometimes on limestone, ascending to 1300m in the Cordillera Highlands of N Luzon.

Dasymaschalon scandens Merr., PJS 10 c (1915) Bot. 238; --Merr., EPFP 2 (1923) 175. --Type:

Merrill 9277 (not seen). Palawan: Taytay-Bantolan trail, forested slopes, c. 150m, May 1913.

PALAWAN (Taytay; Puerto Princesa). Low and medium altitude forests.

Desmos Loureiro

Desmos chinensis Lour., Fl. Coch. (1790) 352; --J Sinclair, Gard. Bull. Sing. 14 (1955) 266; --

Desmos cochinchinensis Merr., EPFP 2 (1923) 158, *non* Lour., Fl. Coch. (1790) 352. --Type:

E Himalayas, S China, Hainan, Laos, Cambodia, Vietnam, Peninsular Malaysia, Singapore, Indonesia, Philippines.

PALAWAN, BASILAN, MINDANAO: Zamboanga. Low and medium altitude thickets and forests.

Drepananthus Maingay ex Hooker *filius* = *Cyathocalyx* sect. *Drepananthus* Scheffer

Enicosanthum Beccari

Revision:

Airy Shaw, HK. 1939.

Enicosanthum gigantifolium (Merr.) Airy Shaw, Kew Bull. (1939) 277; --*Polyalthia gigantifolia* Merr., PJS 10 c (1915) Bot. 246; EPFP 2 (1923) 160. --Type:

Enicosanthum grandifolium (Elmer) Airy Shaw, Kew Bull. (1939) 277; --*Polyalthia grandifolia* Elmer, LPB 1 (1908) 291; --Merr., EPFP 2 (1923) 160. --Type:

Borneo, Philippines.

N LUZON (Cagayan) to MINDANAO and PALAWAN. In forests at low and medium altitudes.

Enicosanthum klemmei (Elmer) Airy Shaw, Kew Bull. (1939) 277; --*Polyalthia klemmei* Elmer, LPB 5 (1913) 1735; --Merr., EPFP 2 (1923) 161. --Type:

Borneo and the Philippines.

N LUZON to MINDANAO and PALAWAN.

Enicosanthum mindanaense (Elmer) Airy Shaw, Kew Bull. (1939) 278; --*Polyalthia mindanaensis* Elmer, LPB 5 (1913) 1734; --Merr., EPFP 2 (1923) 161. --Type:

There are possibly some other *Polyalthias* (q.v.) referable to this genus. Check Airy Shaw's Kew Bull. revision (1939)

Fissistigma Griffith

Fissistigma fulgens (Hook.f. & Thomson) Merr., PJS 15 (1919) 131; --J Sincl., Gard. Bull. Sing. 14 (1955) 353.

Sumatra, Peninsular Malaysia, Borneo, Philippines.

Fissistigma latifolium (Dunal) Merr., PJS 15 (1919) 132; --J Sincl., Gard. Bull. Sing. 14 (1955) 359.

var. XXXX

Fissistigma rufum (C Presl) Merr., PJS 15 (1919) 136; EPFP 2 (1923) 174.

Extra-Philippine distribution?

LUZON: Isabela, Laguna, Bataan, Rizal, Sorsogon, MINDORO, MINDANAO. in forests at low and medium altitudes.

Friesodielsia Steenis

Friesodielsia auriculata (Elmer) Steen., Blumea 12 (1964) 358; --*Oxymitra auriculata* Elmer, LPB 5 (1913) 1725; --Merr., EPFP 2 (1923) 175. --Type:

PANAY, BOHOL, MINDANAO: Agusan del Norte (Mt Hilong-hilong). Lowland and medium altitude forests.

Friesodielsia bakeri (Merr.) Steen., Blumea 12 (1964) 358; --*Oxymitra bakeri* Merr., PJS 10 c (1915) Bot. 259; EPFP 2 (1923) 175. --Type:

LUZON: Nueva Ecija, Laguna, Camarines, Albay, Sorsogon, ALABAT, CATANDUANES. Lowland damp forest.

Friesodielsia glauca (Hook.f. & Thomson) Steen., Blumea 12 (1964) 358; --Oxymitra glauca Hook.f. & Thomson, Fl. Ind. 1 (1855) 146; --Merr., EPFP 2 (1923) 176. --Type: Whitford 1484. Sumatra, Peninsular Malaysia, Penang, Borneo, C Philippines. NEGROS. Lowland dipterocarp forest.

Friesodielsia lagunensis (Elmer) Steen., Blumea 12 (1964) 360; --Oxymitra lagunensis Elmer, LPB 1 (1908) 293; --Merr., EPFP 2 (1923) 176. --Type: LUZON: Pangasinan, Bataan, Laguna, Sorsogon, MINDORO, PANAY, SAMAR, MINDANAO. Lowland and medium altitude forests.

Friesodielsia lanceolata (Merr.) Steen., Blumea 12 (1964) 360; --Oxymitra lanceolata Merr., PJS 10 c (1915) Bot. 260; EPFP 2 (1923) 176. --Type: BS 15342 Ramos. LEYTE. Lowland and medium altitude forests.

Friesodielsia longiflora (Merr.) Steen., Blumea 12 (1964) 360; --Oxymitra longiflora Merr., PJS 3 c (1908) Bot. 134; EPFP 2 (1923) 176. --Type: Clemens 689 MINDANAO: Zamboanga, Lanao del Sur. Forests along streams, altitude c. 700m.

Friesodielsia mindorensis (Merr.) Steen., Blumea 12 (1964) 360; --Oxymitra mindorensis Merr., PJS 26 (1925) 455; EPFP 4 (1925) 248. --Type:

Friesodielsia multinervia (Merr.) Steen., Blumea 12 (1964) 360; --Oxymitra multinervia Merr., PJS 14 (1919) 388; EPFP 2 (1923) 176. --Type: BS 30456 Ramos. CATANDUANES. Lowland forests.

Friesodielsia obtusifolia (Elmer) Steen., Blumea 12 (1964) 361; --Oxymitra obtusifolia Elmer, LPB 1 (1908) 294; --Merr., EPFP 2 (1923) 176. --Type: LUZON: Camarines, Sorsogon, MINDORO, LEYTE, MINDANAO: Agusan del Norte (Mt Hilong-hilong).

Friesodielsia oligophlebia (Merr.) Steen., Blumea 12 (1964) 361; --Oxymitra oligophlebia Merr., PJS 17 (1920) 250; EPFP 2 (1923) 176. --Type: BS 35068 Ramos & Pascasio (US*, iso). Bucas Grande: dry forest at low altitude, 10 June 1919. BUCAS GRANDE. Dry forest at low altitude.

Friesodielsia paucinervia (Merr.) Steen., Blumea 12 (1964) 361; --Oxymitra paucinervia Merr., PJS 3 c (1908) Bot. 135; EPFP 2 (1923) 176. --Type: MINDANAO: Lanao del Sur, Agusan del Norte (Mt Hilong-hilong). Forest, altitude 700-1200m.

Friesodielsia philippinensis (Merr.) Steen., Blumea 12 (1964) 361; --Oxymitra philippinensis Merr., PJS 10 c (1915) Bot. 261; EPFP 2 (1923) 176. --Type: LUZON: Cagayan, PALAWAN. Lowland forests.

Friesodielsia platyphylla (Merr.) Steen., Blumea 12 (1964) 361; --Oxymitra platyphylla Merr., PJS 14 (1919) 388; EPFP 2 (1923) 176. --Type: FB 26360 Mabesa LUZON: Laguna. Forests, altitude 400-500m.

Friesodielsia pubescens (Merr.) Steen., Blumea 12 (1964) 361; --Oxymitra pubescens Merr., PJS 7 c (1912) Bot. 267; EPFP 2 (1923) 176. --Type: BS 13870 Ramos. Jan 1912. LUZON: Cagayan. Lowland forests.

Goniothalamus Hooker *filius* & Thomson

Goniothalamus amuyon (Blanco) Merr., PJS 10 c (1915) Bot. 264; EPFP 2 (1923) 169.
LUZON: Ilocos Norte, Ilocos Sur, Abra, Pangasinan, Quezon, Rizal, Batangas,
NEGROS, BOHOL, MINDANAO. Forests at low and medium altitudes.

Goniothalamus catanduanensis Quisumb., PJS 76 (1944) 39. --Type: BS 75183 Ramos &
Edaño (PNH, holo; iso in NY*). Catanduanes: Simamla, low altitude.
LUZON: Camarines Sur (Mt Potianai; Agosais), CATANDUANES (Simamla;
Dakulangpatag). Along streams and forested slopes, low altitude to 900m.

Goniothalamus copelandii Merr., PJS 10 c (1915) Bot. 262; EPFP 2 (1923) 169.
MINDANAO: Zamboanga. Forests, c. 900m.

Goniothalamus dolichopetalus Merr., PJS 3 c (1908) Bot. 221; EPFP 2 (1923) 170.

var. dolichopetalus

MINDANAO: Zamboanga, Misamis, Lanao. Forests at low and medium altitudes.

var. basilensis Ban, Bot. Zhurn. 59 (1974) 671. --Type: FB 24681 Tecson (NY*, holo). Basilan.
BASILAN. Forests at low altitude.

Goniothalamus elmeri Merr., Govt. Lab. Publ. (Philip.) 29 (1905) 13; EPFP 2 (1923) 170.

var. elmeri

N LUZON to MINDANAO. A common, rather variable, widely distributed species in
forests at low and medium latitudes.

var. gitingensis (Elmer) Ban, , Bot. Zhurn. 59 (1974) xxx

Goniothalamus gitingensis Elmer, LPB 5 (1913) 1710; --Merr., EPFP 2 (1923) 170.

SIBUYAN (Mt Giting-giting), MINDANAO: Zamboanga. Forested ridge, c.1350m.

Goniothalamus gigantifolius Merr., PJS 10 c (1915) Bot. 263; EPFP 2 (1923) 170.

BASILAN. Forests, c. 160m. Flowers unknown.

Goniothalamus lancifolius Merr., PJS 14 (1919) 385; EPFP 2 (1923) 170.

LUZON: Cagayan, Pangasinan. In forests at low and medium altitudes.

Goniothalamus longistylus Merr., PJS 14 (1919) 386; EPFP 2 (1923) 170.

LUZON: Aurora (Mt Dingalan). Forests at low and medium altitudes.

Goniothalamus mindorensis Merr., PJS 26 (1925) 453; EPFP 4 (1925) 248.

MINDORO: Mindoro Oriental (Mt Bacauan, near Pinamalayan). On forested slopes, c.
700m.

Goniothalamus obtusifolius Merr., Govt. Lab. Publ. (Philip.) 35 (1906) 9; EPFP 2 (1923) 170.

MINDORO: Mindoro Oriental (Bongabong), PALAWAN, MINDANAO: Agusan. Dry
forests at low altitudes.

Goniothalamus panayensis Merr., PJS 17 (1920) 251; EPFP 2 (1923) 171. --Type: BS 35290

Martelino & Edaño (not seen). Panay: Aklan prov. (formerly part of Capiz prov.), Libacao, in forest,
June 1919.

PANAY: Aklan (Libacao and Mt Salibongbong). Forests at low and medium altitudes. According to Merrill, distinctly allied to *G. amuyon*.

Goniothalamus philippinensis Merr., PJS 3 c (1908) Bot. 135; EPFP 2 (1923) 171.

var. philippinensis

LUZON: **Tayabas**, BILIRAN, SAMAR, MINDANAO: Lanao del Sur (Camp Keithley), Bukidnon, Davao, Agusan del Norte (Mt Urdaneta). Forests at low and medium altitudes.

var. ramosii Ban, Bot. Zhurn. 59 (1974) 660. --Type: BS 19470 Ramos & Edaño (NY*, holo). Mindanao: Davao Oriental prov., Mt Mayo.

MINDANAO: Davao (Mt Mayo).

Goniothalamus puncticulifolius Merr., PJS 20 (1922) 383; EPFP 2 (1923) 171. --Type: BS 39660 Ramos.

MINDORO: Mindoro Occidental (Paluan). Dry forests at low altitudes.

Goniothalamus suluensis Merr., PJS 30 (1926) 393. --Type: BS 44350 Ramos & Edaño (NY*, iso). Tawi-tawi: Along Malum River near mangrove swamp.

TAWI-TAWI. Known only from the type collection.

Goniothalamus trunciflorus Merr., Govt. Lab. Publ. (Philip.) 35 (1906) 10; EPFP 2 (1923) 171. --Type: Whitford 774 (not seen). Luzon: Quezon prov., Infanta, Tinuan (=Tignoan) River, in hill forest, altitude 120m, 6 Sept 1904.

LUZON: Quezon (Infanta). Forests at low altitudes.

Insufficiently known:

Goniothalamus epiphyticus Elmer, LPB 5 (1913) 1711; --Merr., EPFP 2 (1923) 170.

MINDANAO: Agusan del Norte (Mt Urdaneta). Terrestrial on forested ridges, and pseudoepiphytic in the mossy forest, 900-1500m. According to Merrill (1923, l.c.), a species of uncertain status of which the flowers are unknown; perhaps not distinct from *G. elmeri* Merr.

Goniothalamus sibuyanensis (Elmer) Merr., EPFP 2 (1923) 171.

SIBUYAN. Forests, c. 300m. Flowers unknown, and thus a species of uncertain status. Apparently allied to *G. elmeri* Merr.

Possible ined. names:

Goniothalamus oblongipetalum Merr., **This name is not in IK!**

Griffithianthus Merrill =Neouvaria; Enicosanthum

11. *Haplostichanthus* F Mueller

Revision:

Heusden, ECH van. 1994. *Revision of Haplostichanthus*. Blumea 39: 215-234

Haplostichanthus heteropetala (Merr.) Heusden, Blumea 39 (1994) 224; --*Papualthia heteropetala* Merr., PJS 14 c (1919) Bot. 389; EPFP 2 (1923) 163. --Type: BS 32853 Ramos (holo in PNH, lost; lecto (selected by Heusden, 1994) in K, isolecto in US*). Luzon: Ilocos Norte prov., Burgos.

LUZON: Ilocos Norte, S Luzon and Bicol. In dry forests at low altitude; on riverbank in forest.

- Haplostichanthus lanceolata** (Vidal) Heusden, *Blumea* 39 (1994) 226; --*Papualthia lanceolata* (Vidal) Merr., *PJS* 10 c (1915) Bot. 242; EPFP 2 (1923) 163; --*Polyalthia lanceolata* Vidal, Phan. Cuming. Philip. (1885) 170; --Type: Cuming 450 (K, holo; iso G, L, 2 sheets*, MO*, NY fragm.)
- Papualthia reticulata* (Elmer) Merr., *PJS* 10 c (1915) Bot. 242; EPFP 2 (1923) 164; --*Polyalthia reticulata* Elmer, LPB 1 (1908) 292; --Type: Elmer 7272 (NY*, lecto, chosen by Heusden, 1994). Leyte: Leyte prov., Palo.
- Papualthia sympetala* (C Robinson) Merr., *PJS* 10 c (1915) Bot. 242; EPFP 2 (1923) 164; --*Unona sympetala* C Robinson, *PJS* 6 c (1911) Bot. 203; --Type: BS 10352 MacGregor (B, lecto, chosen by Heusden, 1994). Polillo.
- Papualthia loheri* (Merr.) Merr., *PJS* 10 c (1915) Bot. 242; EPFP 2 (1923) 163; --*Polyalthia loheri* Merr., *PJS* 7 c (1912) Bot. 268. --Type: FB 18437 (Holo, PNH, lost; iso, US*). Luzon: Culasing Mt, in dipterocarp forest.
- Polyalthia loheri* Merr. var. *cagayanensis* Merr., *PJS* 7 c (1912) Bot. 269. --Type: BS 13948 Ramos (holo, PNH, lost; lecto: L chosen by Heusden (1994); isolecto B, G, K, NY). Mindanao: Agusan del Norte prov., Mt Urdaneta).
- Papualthia samarensis* Merr., *PJS* 9 c (1916) Bot. 180; EPFP 2 (1923) 164. --Type: BS 24180 Ramos (holo, PNH, lost; lecto, chosen by Heusden, in K; isolectotypes in A, US*). Samar: Catubig River at Camaniwan, in damp forest at low altitudes.
- Papualthia bakeri* Elmer, LPB 8 (1919) 3069. --Type: Elmer 17775 (holo, PNH, lost; lecto K, chosen by Heusden (1994); isolecto in A, F, G, K, L*, MO*, NY*, U*, US*). Luzon: Laguna prov., Mt Makiling.
- Papualthia boholensis* Merr., *PJS* 29 (1926) 479. --Type: BS 43095 Ramos (holo, PNH, lost; lecto: K, chosen by Heusden, 1994; isolecto in A, G, US*). Bohol: Valencia, damp forest, alt. 300-600m.
- Papualthia longipes* Quisumb., *PJS* 41 (1930) 323. --Type: BS 45281 Ramos & Edano (holo PNH, lost; lecto NY*, chosen by Heusden, 1994). Luzon: Aurora prov., Casiguran (Cabulig River), in damp forest at low altitudes.
- LUZON: Ilocos Norte, Cagayan, Isabela, Aurora, Nueva Ecija, Laguna (Mt Makiling), Batangas, Sorsogon, POLILLO, ALABAT, CATANDUANES, ROMBLON, BOHOL (Valencia), LEYTE, SAMAR, SIARGAO, MINDANAO: Agusan del Norte (Mt Urdaneta). In primary forest, up to 600m altitude.

Dubious species:

Papualthia tenuipes (Merr.) Merr., *PJS* 10 c (1915) Bot. 243; EPFP 2 (1923) 164; --*Polyalthia tenuipes* Merr., *PJS* 7 c (1912) Bot. 269. --Type: BS 13472 Foxworthy & Ramos (holo, PNH, lost). Luzon: Quezon prov., Kabibihan. In forest at low altitudes, *non Polyalthia tenuipes* Merr. (1922) from Borneo.

LUZON: Quezon. In forests at low and medium altitudes. No material identified as this species nor its type could be traced by Heusden.

Meiogyne Miquel

Revision:

Heusden, ECH van. 1994. *Revision of Meiogyne (Annonaceae)*. *Blumea* 38 (1994) 487-511.

Meiogyne cylindrocarpa (Burck) Heusden, *Blumea* 38 (1994) 495.

Papualthia mariannae Safford, *J. Wash. Acad. Sc.* 2 (1912) 459. --*Papualthia mariannae* (Safford) Merr., *PJS* 9 c (1914) Bot. 493.

Sumatra, Borneo (Sabah, Sarawak, Brunei), the Philippines, Java, Madura, Bali, Nusa Tenggara, Timor, Tanimbar Island, New Guinea (Irian Jaya, Papua); New Hebrides, Guam and Marianas Islands. PALAWAN. In rain forest, on limestone or on red or sandy soil, from sea level up to 1450m altitude.

Meiogyne mindorensis (Merr.) Heusden, *Blumea* 38 (1994) 501; --Desmos mindorensis (Merr.) Merr., EPFP 2 (1923) 159; --Unona mindorensis Merr., PJS 2 c (1907) Bot. 273; --Type: Merrill 5568 (PNH, holo, lost; lecto: US). Mindoro: Mindoro Oriental prov., Binabay River, Mt Halcon, in forest at 180m.
 Desmos palawanensis (Elmer) Merr., EPFP 2 (1923) 159; --Unona palawanensis Elmer, LPB 5 (1913) 1742. --Type: Elmer 13125 (holo PNH, lost; iso L). Palawan: Puerto Princesa, Mt Pulgar, April 1911, fr.
 Desmos elegans Elmer, LPB 8 (1919) 3070. --Type: Elmer 17649 (holo PNH, lost; iso L, MO, U, distributed as *Papualthia elegans* Elmer, *nom. illeg., non Desmos elegans* (Thwaites) Safford). Luzon: Laguna prov., Los Banos (Mt Makiling), vi/vii-1917, fr.
 Papualthia irosinensis Elmer, LPB 10 (1939) 3689. --Lectotype: Elmer 15884 (NY). Luzon: Sorsogon prov., Irosin (Mt Bulusan), on very steep woody slopes of wet stony ground at 1000m, April 1916.
 LUZON, ALABAT, MINDORO PALAWAN, PANAY, ?CEBU (*fide* Bicknell). In (primary) rain forest, in PALAWAN sometimes on ultrabasic soils, 0-1000m altitude.

Meiogyne virgata (Blume) Miq., *Ann. Mus. Bot. Lugd.-Bat.* 2 (1865) 12; --J Sincl., *Gard. Bull. Sing.* 14 (1955) 277, f. 17.
 Meiogyne lucida Elmer, LPB 5 (1913) 1714; --Merr., EPFP 2 (1923) 172. --Type: Elmer 13984 (PNH, holo, lost; iso in A, F, K, L, NY, US). Mindanao: Agusan del Norte prov., Cabadbaran (Mt Urdaneta), Oct. 1912.
 Meiogyne philippinensis Elmer, LPB 5 (1913) 1714; --Merr., EPFP 2 (1923) 172. --Type: Elmer 11318 (PNH, holo, lost; iso in A, BM, BO, K, L, NY, US). Mindanao: Davao, Mt Apo, Todaya, Aug. 1909
 Meiogyne paucinervia Merr., PJS 10 c (1915) Bot. 241. --Type: BS 15381 Ramos (PNH, holo, lost; iso in B, BM, K, US). Leyte: near Dagami, in forest, 23 Aug. 1912.
 Thailand, Indochina, Sumatra, Peninsular Malaysia, Singapore, Borneo (Sabah, Sarawak, Kalimantan), Java and the Philippines.
 LUZON, BOHOL, LEYTE, SAMAR, MINDANAO. Primary or secondary rain forest, up to 1300m altitude.

Mezzetiopsis Ridley =Orophea

Miliusa Leschenault ex A de Candolle

Revision:

Mols, JB & PJA Kessler. 2003. *The genus Miliusa (Annonaceae) in the Austro-Malesian area.* *Blumea* 48: 421-462.

Miliusa horsfieldii (Benn.) Pierre, *Fl. Forest. Cochin.* (1881) t. 38; --Mols & Kessler, *Blumea* 48 (2003) 440, f. 4.
 Miliusa arborea (Elmer) J Sinclair, *Gard. Bull. Sing.* 14 (1955) 378; --Saccopetalum arboreum Elmer, LPB 5 (1913) 1739; --Merr., EPFP 2 (1923) 165. --Type: Elmer 12677 (Lectotype in A, designated by Mols & Kessler, 2003; isolectotypes: B, BM, BO, E, G, L, MO* NSW, NY*, P, U, US, Z)

Miliusa vidalii J Sinclair, *Gard. Bull. Sing.* 14 (1955) 378; --Saccopetalum longipes Vidal, *Rev. Pl. Vasc. Filip.* (1886) 43, *non* M. longipes King (1893); --Merr., EPFP 2 (1923) 165. --Type: Polyalthia pacifica Elmer, LPB 10 (1939) 3690, *invalid name, no Latin descr.*

Mitrephora Hooker *filius* & Thomson

Mitrephora basilanensis Merr., PJS 10 c (1915) Bot. 251; EPFP 2 (1923) 168. --Type: BASILAN. Forest near mangrove.

Mitrephora cagayanensis Merr., PJS 14 (1919) 387; EPFP 2 (1923) 168. --Type:

LUZON: Cagayan. In thickets and forests at low altitudes.

Mitrephora caudata Merr., PJS 26 (1925) 454; EPFP 4 (1925) 248. –Type: FB 29112 Cenabre. Palawan: near Puerto Princesa, Feb. 1922.
PALAWAN. Forests at low altitudes.

Mitrephora ellipanthoides Elmer, LPB 5 (1913) 1715. –Type: Orophea ellipanthoides (Elmer) Merr., EPFP 2 (1923) 167.

Mitrephora fragrans Merr., PJS 10 c (1915) Bot. 252; EPFP 2 (1923) 168. –Type: PALAWAN. Lowland forests.

Mitrephora lanotan (Blanco) Merr., Govt. Lab. Publ. (Philip.) 35 (1906) 71; EPFP 2 (1923) 168. –Type:
LUZON: Ilocos Norte, Ilocos Sur, Apayao, Pangasinan, Nueva Ecija, Zambales, Bataan, Bulacan, Rizal, Laguna, Quezon, POLILLO, MINDORO, PALAWAN. Dry forests at low and medium altitudes.

Mitrephora multifolia Elmer ex Weeras. & RMK Saunders, **xxxx**
Mitrephora multifolia Elmer, LPB 10 (1939) 3685, invalid name, no Latin descr. –Type: SAMAR, MINDANAO: Zamboanga, Agusan del Norte. Low and medium altitude forests.

Mitrephora pictiflora Elmer, LPB 5 (1913) 1718; –Merr., EPFP 2 (1923) 169. –Type: Elmer 13731 MINDANAO: Agusan del Norte. Forests, altitude c. 750m.

Mitrephora reflexa Merr., Govt. Lab. Publ. (Philip.) 35 (1906) 10; EPFP 2 (1923) 169. –Type: LUZON: Cagayan, Rizal, Quezon, MINDORO, SAMAR. In forests at low and medium altitudes.

Mitrephora samarensis Merr., PJS 10 c (1915) Bot. 253; EPFP 2 (1923) 169. –Type: BILIRAN, SAMAR. Lowland forest, altitude c. 300m.

Mitrephora sorsogonensis Elmer, LPB 10 (1939) 3687, invalid name, no Latin descr.

Mitrephora weberi Merr., PJS 7 c (1912) Bot. 266; EPFP 2 (1923) 169. –Type: Weber 1550. BUSUANGA. Lowland forests.

Mitrephora williamsii C Robinson, Bull. Torr. Bot. Club 35 (1908) 68, 74; –Merr., EPFP 2 (1923) 169. –Type: RS Williams 2188.
MINDANAO: Zamboanga. Lowland forests.

Neouvaria Airy Shaw

Neouvaria acuminatissima (Miq.) Airy Shaw,
Griffithianthus merrillii (C Robinson) WH Brown ex Merr., PJS 10 c (1915) Bot. 231; –Mitrephora merrillii C Robinson, Bull. Torr. Bot. Club 35 (1908) 67. –Type:
Borneo and the Philippines. LUZON: Ilocos Norte, Isabela, Nueva Ecija, Zambales, Bataan (Mt Mariveles), Rizal, Quezon, Camarines, MINDORO, SAMAR, MINDANAO: Zamboanga, Lanao, Misamis, Cotabato, Davao, Agusan del Norte. In forests at low and medium altitudes.

Orophea Blume

Revisions:

Kessler, PJA. 1988. *Revision of the genus Orophea (Annonaceae)*. Blumea 33: 1-80; Blumea 34 (1990) 505-516.

Leonardía, AAP & PJA Kessler. 2001. Blumea 46: 141-163.

Orophea corymbosa (Blume) Miq., Fl. Ned. Ind. i, 2 (1859) 29; --Merr., EPFP 2 (1923) 167; --Kessler, Blumea 33 (1988) 42.

Orophea enterocarpoidea Vidal, Phan. Cuming. Philip. (1885) 93; --Merr., EPFP 2 (1923) 167.

Sumatra, Java, Borneo, Philippines. LUZON: Quezon, MINDORO, PALAWAN. Low altitude forests.

Orophea creaghii (Ridley) Leonardía & Kessler, Blumea 46 (2001) 149; --Mezzetiopsis creaghii Ridl., Kew Bull. (1912) 389. --Type:

Orophea palawanensis Elmer, LPB 5 (1913) 1721; --Merr., EPFP 2 (1923) 167. --Type: Elmer 12858 (Lectotype in NY; Isolectotypes in BM, BO, G, GH, K, L, P, US). Palawan: Puerto Princesa, densely forested slopes along Balsahan River.

Orophea cumingiana Vidal, Phan. Cuming. Philip. (1885) 93, 170; --Merr., EPFP 2 (1923) 166. --Type:

Orophea aversa (Elmer) Merr., PJS 10 c (1915) Bot. 10; --Merr., EPFP 2 (1923) 166. --Type:

Orophea bracteolata Merr., PJS 3 c (1908) Bot. 223; EPFP 2 (1923) 166. --Type:

Orophea polyantha Merr., PJS 10 c (1915) Bot. 257; EPFP 2 (1923) 167. --Type: Merrill Phil. Pl. 1673.

Orophea submaculata Elmer, LPB 5 (1913) 1723; --Merr., EPFP 2 (1923) 167. --Type: Elmer 13018.

Orophea tarrosae Merr., PJS 10 c (1915) Bot. 258; --Merr., EPFP 2 (1923) 168. --Type: FB 14927 Tarrosa & Almagro.

Orophea vulcanica Elmer, LPB 10 (1939) 3688. --Type:

Orophea williamsii Merr., PJS 10 c (1915) Bot. 259; EPFP 2 (1923) 168. --Type: Williams 2311.

LUZON: Ilocos Norte, Cagayan, Nueva Vizcaya, Nueva Ecija, Rizal, Bataan, Laguna, Quezon, Camarines, Albay, Sorsogon), MINDORO, LEYTE, SAMAR, MINDANAO. In forests at low and medium altitudes.

Orophea dolichocarpa Merr., PJS 29 (1926) 479. --Type: BS 43211 (SING*, isolecto). Bohol. BOHOL

Orophea glabra Merr., Govt. Lab. Publ. (Philip.) 29 (1905) 14; EPFP 2 (1923) 167 --Kessler, Blumea 34 (1990) 513.

Orophea samarensis Merr., *in sched.*

Sageraea parvifolia Merr. & Quisumb., *in sched.* --Type: WW Clark 1017 (PNH, lost; iso not seen by Kessler),

LUZON: Ilocos Norte, Apayao, Cagayan, Nueva Ecija, Quezon (Kinatakutan), Sorsogon, CATANDUANES (Mt Nagmakdit; Simanla; Virac); TICA0 (type locality); SAMAR (Kadapnan, Barrio Bantayan). In forests at low altitudes.

Orophea leytensis Merr., PJS 11 c (1916) Bot. 181; EPFP 2 (1923) 167. --Type: BS 24468 Ramos. LUZON: Quezon, LEYTE, SAMAR. Low altitude damp forests.

Orophea megalophylla Kessler, Blumea 33 (1988) 52. --Type: BS 36585 Ramos & Edaña (L, holo; iso in BM, GH, K). Mindanao: Zamboanga, Mt Tubuan. MINDANAO: Zamboanga. Low and medium altitude forests.

Orophea merrillii Kessler, Blumea 33 (1988) 33. --Type: Merrill 9212 (L, holo; iso in A, BM, GH, K, P). Palawan: Taytay.

Borneo (Sabah; Sarawak; Kalimantan) and the Philippines. MINDORO: Mindoro Oriental (Puerto Galera), PALAWAN (Taytay), MINDANAO: Davao Oriental (Mati). Low altitude forests.

Orophea sericea Kessler, *Blumea* 33 (1988) 49.
MINDANAO: Surigao. Low altitude forests.

Orophea wenzelii Merr., *PJS* 9 c (1914) Bot. 356; *EPFP* 2 (1923) 168. --Type: Wenzel 682.
LUZON, LEYTE, SAMAR, MINDANAO. Forests, altitude c. 500m.

Oxymitra Hooker *filius* & Thomson =Friesodielsia

Papualthia Diels =Haplostichanthus

Phaeanthus JD Hooker & Thomson

Phaeanthus ebracteolatus (C Presl) Merr., *PJS* 3 c (1908) Bot. 225, 406; --Merr., *EPFP* 2 (1923) 165.

Phaeanthus nigrescens Elmer, *LPB* 5 (1913) 1728; --Merr., *EPFP* 2 (1923) 166.

Phaeanthus pubescens Merr., *PJS* 14 (1919) 390; --Merr., *EPFP* 2 (1923) 166.

BABUYAN ISLS and N LUZON to MINDANAO. Common in forests at low and medium altitudes.

Phaeanthus villosus Merr., *PJS* 14 (1919) 391; --Merr., *EPFP* 2 (1923) 166.

PANAY. Damp forests along small streams, low and medium altitude.

Platymitra Boerlage

Platymitra arborea (Blanco) Kessler, *Blumea* 33 (1988) 473; --*Alphonsea arborea* (Blanco) Merr., *PJS* 10 c (1915) Bot. 233; --Merr., *EPFP* 2 (1923) 165; --*Mocanera arborea* Blanco, *Fl. Filip.* (1837) 431. --Type: Merrill Species Blancoanae 838 (L*, neotype, chosen by Kessler, 1988; isoneotypes: NY*, US*, 2 sheets). Luzon: Laguna prov., Mt Makiling, March 1915.

LUZON: Rizal, Laguna, Quezon, Camarines, MINDORO, MASBATE, TICAO, CEBU, LEYTE, MINDANAO. Low and medium altitude forests.

Polyalthia Blume

Polyalthia barnesii Merr., *Govt. Lab. Publ. (Philip.)* 17 (1904) 15; --Merr., *EPFP* 2 (1923) 159.

LUZON: Ilocos Sur, Cagayan, Bataan, MINDORO. In forests at low altitudes.

Polyalthia dolichophylla Merr., *PJS* 14 (1919) 391; --Merr., *EPFP* 2 (1923) 159.

Borneo. PANAY. Forests along small streams at low altitudes.

Polyalthia elmeri Merr., *EPFP* 2 (1923) 160.

PALAWAN. Thin forests near the seashore.

Polyalthia elongata Merr., *PJS* 3 c (1908) Bot. 222; --Merr., *EPFP* 2 (1923) 160.

MINDANAO: Zamboanga. Low altitude forests.

Polyalthia flava Merr., Govt. Lab. Publ. (Philip.) 35 (1906) 12; --Merr., EPFP 2 (1923) 160.
LUZON: Bataan, Rizal. In forests at low and medium altitudes.

Polyalthia glauca (Hassk.) Boerl., Icon. Bogor. 1 (1899) 104; --Merr., EPFP 2 (1923) 160; --J Sincl., Gard. Bull. Sing. 14 (1955) 321.
Sumatra, Peninsular Malaysia, Singapore, Philippines, Sulawesi, Java, Kei, and New Guinea.
LUZON (Nueva Vizcaya, Aurora, Camarines), MINDORO, SIBUYAN, DINAGAT,
MINDANAO: Agusan del Norte. In forests at low and medium altitudes.

Polyalthia gracilipes Merr., PJS 10 c (1915) Bot. 248; EPFP 2 (1923) 160. --Type: BS 20792
Escritor. Luzon: Quezon prov., Quinatacutan, Mar 1913.
LUZON: Quezon. Low altitude forests.

Polyalthia insignis (Hook.f.) Airy Shaw, Kew Bull. (1939) 279.
Unona miniata Elmer, LPB 5 (1913) 1740. --Type:

Polyalthia jenkinsii (Hook.f. & Thomson) Hook.f. & Thomson, Fl. Brit. Ind. 1 (1872) 64;
--J Sincl., Gard. Bull. Sing. 14 (1955) 305.
Polyalthia cumingiana Merr., Govt. Lab. Publ. (Philip.) 35 (1906) 71.
Polyalthia agusanensis (Elmer) Merr., PJS 10 c (1915) Bot. 250; --Unona agusanensis Elmer, LPB 5 (1913)
1743. --Type: Elmer 13654. Mindanao: Agusan del Norte prov., Mt Urdaneta.
Polyalthia rumphii *sensu* Merr., EPFP 2 (1923) 162, [non Blume], *pro parte*, excluding syn. *Guatteria*
canangioides Reichb.f & Zoll. ex Miq. (and others based on this).
India (Assam), Indochina, Sumatra, Peninsular Malaysia, Singapore, Borneo,
Philippines.

Polyalthia lucida Merr., PJS 10 c (1915) Bot. 249; EPFP 2 (1923) 161. --Type: BS 13338 Ramos.
Luzon: Quezon prov., Tagkawayan, in forests, c. 100m, 15 March 1911.
LUZON: Quezon, ALABAT, SAMAR, MINDANAO: Zamboanga. Low altitude forests.

Polyalthia mindorensis Merr., EPFP 2 (1923) 161; --Phaeanthus acuminatus Merr., Govt. Lab.
Publ. (Philip.) 35 (1906) 11; PJS 2 c (1907) Bot. 273, *non* Polyalthia acuminata Thwaites. --Type:
MINDORO. Low altitude forests.

Polyalthia obliqua Hook.f. & Thomson, Fl. Ind. 1 (1855) 138; --Merr., EPFP 2 (1923) 161; --J
Sincl., Gard. Bull. Sing. 14 (1955) 290.
India, Peninsular Malaysia, Borneo, Sulawesi and the Philippines. PALAWAN, LEYTE,
SAMAR, MINDANAO. Low and medium altitude forests, ascending to 450m.

Polyalthia oblongifolia C Robinson, PJS 6 c (1911) Bot. 202; EPFP 2 (1923) 161. --Type: BS 9259
Robinson. Polillo: beach N of Burdeos.
LUZON: Nueva Vizcaya, **Tayabas**, Camarines, POLILLO, NEGROS, LEYTE, SAMAR,
BASILAN, MINDANAO. In forests at low and medium altitudes.

Polyalthia palawanensis Merr., PJS 10 c (1915) Bot. 246; EPFP 2 (1923) 162. --Type: Merrill 9469.
Palawan: Lake Manguao, dry forested ridges, alt. c. 80m, 27 April 1913.
PALAWAN. Dry forests, low altitudes.

Polyalthia ramiflora Merr., PJS 10 c (1915) Bot. 244; EPFP 2 (1923) 162. --Type: FB 5160 Bridges.
Luzon: Sorsogon prov., Sugod Bay, forests from sea level to c. 75m, 6 Aug. 1906.

LUZON: Cagayan, Laguna, Sorsogon, SAMAR. In forests at low and medium altitudes. Closely allied to *P. zamboangensis* Merr.

Polyalthia rubra (Merr.) Tien Ban, Bot. Zhurn. 59 (1974) 1779; --Desmos rubra (Merr.) Merr., EPFP 2 (1923) 159; --Unona rubra Merr., PJS 3 c (1908) Bot. 224. --Type: BS 480 Mangubat (iso in NY*, US*). Balabac. In forest, 1 March 1908.

BALABAC. Low altitude forests.

Polyalthia rumphii (Blume) Merr., EPFP 2 (1923) 162, excluding synonyms of *P. jenkinsii*, *vide supra*.

Polyalthia glandulosa Merr., PJS 10 c (1915) Bot. 247; EPFP 2 (1923) 160. --Type: BS 16460 Reillo.

Mindanao: Zamboanga del Norte prov., Sta Maria, near Mt Pulongbato, 4 Oct. 1912.

Sumatra, Peninsular Malaysia, Borneo, Philippines, Java, Ambon.

MINDANAO: Zamboanga. Low altitude forests. (as *P. glandulosa*).

See also *P. jenkinsii*

Polyalthia suberosa (Roxb.) Thwaites, Enum. Pl. Zeyl. (1864) 398; --Merr., Fl. Manila (1912) 209; EPFP 2 (1923) 162; --J Sincl., Gard. Bull. Sing. 14 (1955) 298.

S India, Sri Lanka, Bangladesh, Burma, Thailand, Indochina, Hainan, Peninsular Malaysia, Philippines. LUZON: Cagayan to Laguna, MINDANAO: Cotabato. Rather common in lowland and medium altitude thickets.

Polyalthia venosa Merr., PJS 3 c (1908) Bot. 222; EPFP 2 (1923) 163. --Type: FB 9108 Whitford & Hutchinson (US*, isosyntype; FB 9232 Whitford & Hutchinson, not seen, syntype). Mindanao: Zamboanga del Sur prov., Port Banga, in dipterocarp forest, alt. 15-30m, Dec. 1907.

MINDANAO: Zamboanga del Sur, Misamis Occidental. Low altitude forests.

Polyalthia williamsii C Robinson, PJS 3 c (1908) Bot. 181; --Merr., EPFP 2 (1923) 163. --Type: RS Williams 2306 (US*, iso). Mindanao: Zamboanga, Sax River, 14 Feb. 1905.

MINDANAO: Zamboanga. Low altitude dipterocarp forests.

Polyalthia zamboangensis Merr., PJS 10 c (1915) Bot. 245; EPFP 2 (1923) 163. --Type: FB 13276 Foxworthy, de Mesa & Villamil. Mindanao: Zamboanga del Sur prov., near Margosatubig, hill forests, c. 120m, 11 May 1912.

MINDANAO: Zamboanga. Low altitude forests.

Uncertain taxa:

Polyalthia sp.

Alphonsea sessiliflora Merr., PJS 10 c (1915) Bot. 233; --Merr., EPFP 2 (1923) 165. --Type: FB 22118

Alvarez (US, iso). Luzon: Nueva Ecija prov., Sabani, Dec. 1910.

LUZON: Nueva Ecija, Rizal. Low and medium altitude forests.

Cultivated:

Polyalthia longifolia Benth. & Hook.f. ex Hook.f., Fl. Brit. Ind. 1 (xxxx) 62.

Native in India and Sri Lanka. Often planted here as a shade tree.

Possible ined. names

Polyalthia pubescens Merr., This name is not in IPNI.

Polyalthia ramosii Merr., mere MS name? See type image from NY, BS 1660 Ramos, SAMAR, April 1914

Popowia Endlicher

Popowia lanceolata Merr., PJS 17 (1920) 252; EPFP 2 (1923) 164. –Type: BS 35186 Ramos & Pascasio (L*, US*, iso). Dinagat Island, low altitude forest, 12 May 1919.
DINAGAT. Low altitude forests. Perhaps not specifically distinct from the next entry.

Popowia pisocarpa (Blume) Endl. in Walp., Repert. 1 (1842) 74; --Merr., EPFP 2 (1923) 164. –
Type from Java.
Sumatra, Peninsular Malaysia, Java, Borneo, Philippines. LUZON: Camarines, Sorsogon, POLILLO, PANAY, NEGROS, LEYTE, SAMAR, MINDANAO. Low and medium altitude forests.

Pseuduvaria Miquel

Pseuduvaria caudata Merr., PJS 17 (1920) 251; EPFP 2 (1923) 168. –Type: BS 25533 Cenabre (US*, iso). Luzon: Camarines Sur prov., Sipocot, forested slopes, c. 80m, 15 May 1916.
LUZON: Camarines Sur (Sipocot). Low altitude primary forest.

Pseuduvaria luzoniensis (Merr.) YCF Su & RMK Saunders, Blumea 46 (2001) 590; --
Orophea luzonensis Merr., PJS 3 c (1908) Bot. 224; EPFP 2 (1923) 167.
Pseuduvaria grandiflora Merr., PJS 14 (1919) 392; EPFP 2 (1923) 168.
LUZON: Ilocos Norte, Isabela, Aurora, Bataan. Low and medium altitude forests

Pseuduvaria macgregorii Merr., PJS 30 (1926) 392. –Type: BS 43714 McGregor (UC*, holo).
Samar: Western Samar prov., Loquilocon, apparently in primary forest, c. 250m, June 1924.
SAMAR: Western Samar (Loquilocon). Described from two specimens from the type locality.

Pseuduvaria mindorensis YCF Su & RMK Saunders, Syst. Bot. Monogr. 79 (2006) 117 (-121; figs. 58-59). –Type: BS 46374 Ramos (BM, holo; iso: B, NY). Mindoro: Mindoro Oriental prov., Puerto Galera, Nov-Dec 1925.

Pseuduvaria philippinensis Merr., PJS 10 c (1915) Bot. 256; EPFP 2 (1923) 168. –Type: FB 20182 Aguilar (US*, iso). Luzon: Quezon prov., Hinabaan, 22 April 1913.
LUZON: Cagayan, Quezon, PALAWAN, SAMAR. In forests at low and medium altitudes.

Saccopetalum Benn. =Miliusa

Sageraea Dalz

Sageraea glabra Merr., Govt. Lab. Publ. (Philip.) 35 (1906) 12; EPFP 2 (1923) 155.
LUZON: Nueva Ecija, **Tayabas**, Camarines, POLILLO, PANAY, BILIRAN, SAMAR, MINDANAO. Forests at low and medium altitudes.

Uvaria Linnaeus

Uvaria alba Merr., Govt. Lab. Publ. (Philip.) 17 (1904) 17; EPFP 2 (1923) 155.
LUZON: Apayao, Pangasinan, Zambales, Bataan. Low and medium altitude forests.

Uvaria elliptifolia Merr., PJS 10 c (1915) Bot. 229; EPFP 2 (1923) 155. --Type: BS 18878 McGregor (L*, US*, iso). Biliran: forests, alt. c. 300m, June 1914.
LUZON: Sorsogon, BILIRAN, LEYTE. Low and medium altitude forests.

Uvaria goloensis Merr., PJS 26 (1925) 456; EPFP 4 (1925) 248.

Uvaria grandiflora Roxb., Fl. Ind. 2 (1824) 665; --J Sinclair, Gard. Bull. Sing. 14 (1955) 202.
Uvaria purpurea Blume, Bijdr. (1825) 11; --Merr. EPFP 2 (1923) 156.
Burma, Thailand, Indochina, Sumatra, Peninsular Malaysia, Borneo, Java and the Philippines. LUZON: Mountain Province, Nueva Ecija, Rizal, Cavite, PALAWAN. Low and medium altitude thickets.

Uvaria lancifolia Merr., PJS 10 c (1915) Bot. 228; EPFP 2 (1923) 155. --Type: Gates 5495 (not seen).
Luzon: Zambales prov., San Antonio, Jan. 1913.
LUZON: Zambales, **Tayabas**, MINDORO, MINDANAO: Zamboanga. Low and medium altitude thickets and forests.

Uvaria leytensis (Elmer) Merr., PJS 10 c (1915) Bot. 230; EPFP 2 (1923) 155; --Unona leytensis Elmer, LPB 5 (1913) 1744. --Type: Elmer 13880 (L8, NA*, 2 sheets, NY*). Mindanao: Agusan del Norte prov., Cabadbaran, Mt Urdaneta, Sept. 1912.
LUZON: Bataan, Laguna, LEYTE, MINDANAO: Zamboanga, Agusan del Norte. Low altitude forests.

Uvaria macgregorii Merr., PJS 14 (1919) 394; EPFP 2 (1923) 155.
PANAY, MINDANAO: Misamis. Low altitude thickets.

Uvaria musaria (Dunal) A DC, Mém. Annon. (1832) 29; --Merr., EPFP 2 (1923) 156.
Moluccas, Philippines. LUZON: Camarines. Forested slopes at low altitudes.

Uvaria nudistellata Elmer, LPB 5 (1913) 1746; --Merr., EPFP 2 (1923) 156.
PALAWAN. Dense forests at medium altitudes.

Uvaria panayensis Merr., PJS 14 (1919) 394; EPFP 2 (1923) 156.
PANAY. Low and medium altitude forests along small streams.

Uvaria peninsula Elmer, LPB 10 (1939) 3691.

Uvaria rubra C Robinson, Bull. Torr. Bot. Club 35 (1908) 68, 74; --Merr., EPFP 2 (1923) 156.
C LUZON: Nueva Ecija to PALAWAN and MINDANAO. Common in low altitude thickets and forests. Closely allied to *U. purpurea* (= *U. grandiflora*).

Uvaria rufa Blume, Fl. Jav. Annon. (1828) 19, t. 4; --Merr., Fl. Manila (1912) 206; EPFP 2 (1923) 156; --J Sinclair, Gard. Bull. Sing. 14 (1955) 211.
Thailand, Indochina, Sumatra, Peninsular Malaysia, Java, the Philippines and New Guinea. N LUZON to PALAWAN and MINDANAO. Low and medium altitude thickets.

Uvaria scandens C Robinson, Bull. Torr. Bot. Club 35 (1908) 69, 74; --Merr., EPFP 2 (1923) 157.
LUZON: Nueva Ecija, Rizal, Laguna, POLILLO, BILIRAN, MINDANAO: Davao, Agusan. Low and medium altitude forests.

Uvaria sorzogonensis C Presl, Rel. Haenk. 2 (1835) 76; --Merr., EPFP 2 (1923) 157.
N LUZON (Cagayan) to PALAWAN and MINDANAO. Low to medium altitude thickets

and forests.

Uvaria stellata Merr., Govt. Lab. Publ. (Philip.) 29 (1905) 14; EPFP 2 (1923) 157.
LUZON: Benguet. In thickets, alt. 500-1300m.

Uvaria zschokkei Elmer, LPB 1 (1908) 292; --Merr., EPFP 2 (1923) 157.
LUZON: **Tayabas**, Sorsogon, MINDORO, BILIRAN, SAMAR, MINDANAO: Agusan del Norte, Surigao del Norte. Low and medium altitude forests.

Xylopia Linnaeus

Xylopia **dehiscens** (Blanco) Merr., Philip. Bur. Forest. Bull. 1 (1903) 20; EPFP 2 (1923) 171.
N LUZON (Cagayan) to MINDANAO. In forests at low and medium altitudes.

Xylopia **densifolia** Elmer, LPB 5 (1915) 1749; --Merr., EPFP 2 (1923) 172.
LUZON: Aurora, MINDORO, SIBUYAN. In forests at low and medium altitudes.

Xylopia **ferruginea** (Hook.f. & Thomson) Hook.f. & Thomson; --Rojo, FORPRIDE Digest 4 (1975) 26-35; Rev. Lex. Philip. Trees (1999) 22.

Non-native taxa:

Annona atemoya Hort.

Annona cherimolia Mill.

Annona glabra L.

Annona marcgravii Mart.

Annona muricata L., Sp. Pl. (1753) 536; --Merr., Fl. Manila (1912) 207; EPFP 2 (1923) 177.

Annona reticulata L., Sp. Pl. (1753) 537; --Merr., Fl. Manila (1912) 207; EPFP 2 (1923) 177.

Annona squamosa L., Sp. Pl. (1753) 537; --Merr., Fl. Manila (1912) 208; EPFP 2 (1923) 177.