

Family 5A. PODOCARPACEAE

Revision:

Laubenfels, DJ de. 1978. *The taxonomy of Philippine Coniferae and Taxaceae*. Kalikasan, Philippine Journal of Biology 7 (2): 118-150.

Laubenfels, DJ de. 1988. *Coniferales*. Flora Malesiana series 1,10: 351-419

1. *Dacrycarpus* (Endlicher) de Laubenfels

Dacrycarpus cumingii (Parl.) de Laub., J. Arnold Arb. 50 (1969) 329, Fig. 8 b; Kalikasan 7 (1978) 128; Fl. Males. ser. 1, 10 (1988) 381, Fig. 29 (map); --*Podocarpus cumingii* Parl. in DC, Prodr. 16, 2 (1868) 521, *pro syn.* *Podocarpus javanica* (*non* Burm.f.) Merr., EPFP 1 (1922) 3. --Type: Cuming 803 (MO*, 2 sheets).

N Sumatra, Borneo (Sarawak), Philippines. LUZON, PANAY, NEGROS, MINDANAO.

Dacrycarpus imbricatus (Blume) de Laub., J. Arnold Arb. 50 (1969) 320, Fig. 8a; Kalikasan 7 (1978) 126; Fl. Males. ser. 1, 10 (1988) 376, Fig. 26.

Podocarpus imbricatus Blume, En. Pl. Jav. 1 (1827) 89.

Podocarpus javanicus Merr., PJS 19 (1921) 338; EPFP 1 (1922) 3, *non* Burm.f.

var. *patulus* de Laub., J. Arnold Arb. 50 (1969) 320, Fig. 8b; Fl. Males. ser. 1, 10 (1988) 379.

N Burma and southernmost China, through SE Asia to Malesia: Sumatra, Peninsular Malaysia, Borneo, Philippines, C Sulawesi, along N coast of New Guinea (including New Britain and New Ireland), and Vanuatu to Fiji.

LUZON: Abra, Mountain Province, Benguet, Zambales, Quezon (Mt Banahaw),

MINDORO: Mindoro Oriental (Mt Halcon), PANAY, NEGROS, MINDANAO. Montane cloud forests, altitude 1300-2500m, common.

var. *robustus* de Laub., J. Arnold Arb. 50 (1969) 323, Fig. 8 c; Fl. Males. ser. 1, 10 (1988) 379, Fig. 27 (map).

Podocarpus javanica (*non* Burm.f.) Merr. 1921; EPFP 1 (1922) 3, *pro specimina*.

Dacrycarpus steupii (*non* de Laub., 1969) de Laub., Kalikasan 7 (1978) 127.

Borneo (Sarawak), Philippines, Moluccas (Morotai, Seram), and throughout New Guinea.

LUZON, MINDORO, MINDANAO.

2. *Dacrydium* Solander ex G Forster

Dacrydium beccarii Parl. in DC, Prodr. 16 (1868) 494; --de Laub., Kalikasan 7 (1978) 122; Fl. Males. ser. 1, 10 (1988) 364, Fig. 15 (map).

N Sumatra, Peninsular Malaysia, Borneo (mainly W parts), Philippines, Moluccas (Taliabu), New Guinea (incl. Normanby and New Britain, Solomon Isls (Guadalcanal). Solomon Isls (Guadalcanal), New Guinea (including Normanby Is and New Britain), BILIRAN, NEGROS, MINDANAO.

Dacrydium pectinatum de Laub., J. Arnold Arb. 50 (1969) 289, Fig. 1b-2; Kalikasan 7 (1978) 121; Fl. Males. ser. 1, 10 (1988) 364, Fig. 12 (map).

Hainan, Billiton, Borneo (including Karimata and Natuna Is), and the Philippines.

LUZON: Sierra Madre, MINDANAO: Zamboanga, 2 colls.

Dacrydium xanthandrum Pilger, Bot. Jahrb. 69 (1938) 252; --de Laub., J. Arnold Arb. 50 (1969) 304, Fig. 5; Kalikasan 7 (1978) 123; Fl. Males. ser. 1, 10 (1988) 369, Fig. 18-20. Borneo (Sabah, C Kalimantan, Sarawak), Philippines, CE Sulawesi, New Guinea (including New Britain), Solomon Isls (Bougainville). MINDORO (1 collection).

3. **Falcatifolium** de Laubenfels

Falcatifolium gruezoii de Laub., Fl. Males. ser. 1, 10 (1988) 373, Fig. 22, 23 (map). --Type: Gruezo 4052 (L*, holo). Mindoro: Mindoro Oriental prov., Mt Halcon area, Paitan access. *Dacrydium falciforme* [*non* (Parl.) Pilger] Foxw. ex Merr., PJS 2 c (1907) Bot. 257; --Foxw., PJS 6 c (1911) Bot. 153, t. 28, Fig. 1; --Merr., EPFP 1 (1922) 4. Moluccas (Obi), Sulawesi (Manado), and the Philippines. LUZON: Aurora, Nueva Ecija, MINDORO, PANAY, MINDANAO: Davao, Surigao. Exposed sites along ridges or on borders of open areas, 1600-2200m.

4. **Nageia** Gaertner

Nageia wallichiana (C Presl) Kuntze, Rev. Gen. (1891) 800; --de Laub., Blumea 32 (1987) 210; Fl. Males. ser. 1, 10 (1988) 391, Fig. 41, 42 (map); --Decussocarpus wallichianus (C Presl) de Laub., J. Arnold Arb. 50 (1969) 349; Kalikasan 7 (1978) 131; --Podocarpus wallichianus C Presl, Bot. Bemerk. (1844) 110. *Podocarpus blumei* Endl., Syn. (1847) 208; --Foxw. PJS 6 c (1911) Bot. 158, t. 28, Fig. 2; --Merr., EPFP 1 (1922) 2. India (S extremity of the Deccan Peninsula, Assam), Burma, Thailand, Indochina, Yunnan, Sumatra, Peninsular Malaysia, Banka Is, W Java, Lesser Sunda Isls (Flores), Borneo (incl. Karimata Is), Philippines, N & C Sulawesi, Moluccas (Obi, Ternate, Morotai, Seram), New Guinea (incl. Meos Num, Biak, Japen, and Normanby Is.). LUZON, MINDORO, SIBUYAN, PANAY, SAMAR.

5. **Podocarpus** L'Héritier ex Persoon

Revision:

Laubenfels, DJ de. 1985. *A taxonomic revision of the genus Podocarpus*. Blumea 30: 251-278.

Podocarpus costalis C Presl, Epim. Bot. (1849) 236; --Merr., EPFP 1 (1922) 2; --de Laub., Fl. Males. ser. 1, 10 (1988) 414, Fig. 59.

Lanyu, Philippines. BATANES, BABUYAN ISLS, N LUZON. Coastal bluffs near sea-level to at least 300m.

Podocarpus glaucus Foxw., PJS 2 c (1907) Bot. 258; *ibid.* 6 c (1911) Bot. 159, t. 29, Fig. 1; --Merr., EPFP 1 (1922) 3; --de Laub., Kalikasan 7 (1978) 138; Fl. Males. ser. 1, 10 (1988) 411, Fig. 57 (map). --Type: Merrill 5672 (NY*, syntype). Mindoro: Mt Halcon.

Solomon Isls, New Guinea (incl. Admiralty Isls), Moluccas (W Seram), Philippines. MINDORO.

Podocarpus lophatus de Laub., Kalikasan 7 (1978) 137; Fl. Males. ser. 1, 10 (1988) 411, Fig. 56 (map).

Podocarpus brevifolius Foxw., PJS 6 c (1911) Bot. 160, *non* *P. neriifolius* var. *brevifolia* Stapf (1894). LUZON: Zambales (Mt Tapulao). Mossy forest, 1800m. Known only from the type

locality.

Podocarpus macrocarpus de Laub., *Kalikasan* 7 (1978) 140; *Fl. Males. ser. 1, 10* (1988) 418, Fig. 64 (map). --Type: FB 10894 Curran (NY*, holo; iso in L*). Luzon: Benguet prov.
LUZON. Scattered and sometimes common in cloud forests, c. 2000-2100m. One collection reported at 700m is doubtful.

Podocarpus neriifolius D Don in Lamb., *Pinus* ed. 1, 2 (1824) 21; --Merr., *PJS* 1 (1906) Suppl. 24; *EPFP* 1 (1922) 3, *pro parte*; --Foxw., *PJS* 2 c (1907) Bot. 258; --de Laub., *Blumea* 30 (1985) 266; *Fl. Males. ser. 1, 10* (1988) 400, Fig. 45 (map).
Nepal, Sikkim, Assam (Khasya), Thailand and Indochina through Malesia: Sumatra (incl. Simalur Is), Peninsular Malaysia, Java, Borneo (incl. Karimata Is), Philippines, Sulawesi, Lesser Sunda Isls (Bali, Flores), Moluccas (Obi, Seram, Halmaheira), and New Guinea (incl. New Britain, New Ireland, Rossel Is, Manus Is, Biak, Job Is, and Numfoor. MINDANAO:

Podocarpus pilgeri Foxw., *PJS* 2 c (1907) Bot. 259; --de Laub., *Kalikasan* 7 (1978) 135; *Fl. Males. ser. 1, 10* (1988) 410, Fig. 55 (map). --Type: Merrill 5754 (NY*, iso). Mindoro: Mt Halcon.
Podocarpus costalis (non C Presl) Foxw. *PJS* 6 c (1911) Bot. 161.
S China, Philippines, C Sulawesi, New Guinea. NEGROS: Negros Occidental, MINDANAO.

Podocarpus polystachyus R Br. ex Endl., *Syn. Conif.* (1847) 215; --Pilger, *Pflanzenreich* IV, 5, Heft 18 (1903) 79; --Merr., *PJS* 3 c (1908) Bot. 394; --Foxw., *PJS* 6 c (1911) Bot. 161; --de Laub., *Kalikasan* 7 (1978) 137; *Fl. Males. ser. 1, 10* (1988) 417, Fig. 62, 63 (map).
Podocarpus neriifolius (*non* D Don) Merr., *EPFP* 1 (1922) 3.
Southernmost tip of Peninsular Thailand, Peninsular Malaysia, Riouw-Lingga & Banka Isls, Borneo (W Kalimantan, Sarawak, Brunei, Sabah), Philippines, Moluccas (Obi, Waigeo), W New Guinea (Vogelkop Peninsula). LUZON: Ilocos Norte, **Tayabas**, PALAWAN.

Podocarpus rotundus de Laub., *Kalikasan* 7 (1978) 136; *Fl. Males. ser. 1, 10* (1988) 411. --Type: BS 19581 Ramos (L*, iso). Luzon: Mt Banahaw.
E Borneo (Mt Beratus near Balikpapan) and the Philippines. LUZON: Laguna (Mt Banahaw), Quezon (Mt Banahaw de Lucban). Stunted mossy forest up to 2200m.

Podocarpus rumphii Blume, *Rumphia* 3 (1847) 214; --Foxw., *PJS* 6 c (1911) Bot. 164; --de Laub., *Kalikasan* 7 (1978) 141; *Fl. Males. ser. 1, 10* (1988) 415, Fig. 60 (map).
Podocarpus philippinensis Foxw., *PJS* 6 c (1911) Bot. 163, t. 30. --Type: BS 5174 Foxworthy (NY*, US*, iso). Luzon: Bataan prov., Limay Peak.
Podocarpus palawanensis de Laub. & Silba, *Phytologia* 64 (1988) 291. --Type: SMHI 1502 Ridsdale (L*, holo). Palawan: Pagdanan Range, Ibangley Brookside Hill.
Hainan, Peninsular Malaysia, S C Java (Nusa Kambangan), Bawean Is, Borneo (incl. Selangan Is), Philippines, Sulawesi, Lesser Sunda Isls (Flores, Timor), Moluccas (Obi, Weda, Aru Isls), New Guinea (incl. Misool & Numfoor Is). LUZON, PALAWAN.

Prunopitys Philippi

Prumnopitys amara (Blume) de Laub., *Blumea* 24 (1978) 190; *Fl. Males. ser. 1, 10* (1988) 385, Fig. 37 (map), 36, 38, 39; --*Podocarpus amara* Blume, *Enum. Pl. Jav.* (1827) 88; --Foxw. *PJS* 6 c (1911) Bot. 159; --Merr., *EPFP* 1 (1922) 2.
Sumatra (C-N, Batak region, S Palembang), Borneo (Sabah), Java, Philippines, C & SW Sulawesi, Lesser Sunda Isls (Timor, Flores, W Sumbawa, Lombok), Moluccas (Buru,

Halmaheira, Morotai), New Guinea (including New Britain and New Ireland), NE coastal Queensland.