

## Family 199. FLACOURTIACEAE

### Revision:

Sleumer, H. 1954. *Flacourtiaceae*. Flora Malesiana series 1, 5: 1-106.

### 1. Ahernia Merrill

**Ahernia glandulosa** Merr., PJS 11 c (1916) Bot. 37; EPFP 3 (1923) 107; --Sleum., Fl. Males. ser. 1, 5 (1954) 6.

Hainan, Philippines. LUZON. Primary forests up to 600m. Flowering/fruitletting Jan-Dec.

### 2. Casearia Jacquin

#### Revision:

Sleumer, H. 1954. Blumea 7: 494-

**Casearia brevipes** Merr., PJS 9 c (1914) Bot. 326; EPFP 3 (1923) 114; ; --Sleum., Fl. Males. ser. 1, 5 (1954) 102.

LUZON, BASILAN. In forests along streams at low elevation.

**Casearia euphlebia** Merr., PJS 13 c (1918) Bot. 34; EPFP 3 (1923) 115; --Sleum., Fl. Males. ser. 1, 5 (1954) 103.

LEYTE, SAMAR. Low altitude forests.

**Casearia fuliginosa** (Blanco) Blanco, Fl. Filip. ed. 2 (1845) 262; --EPFP 3 (1923) 115; --Sleum., Fl. Males. ser. 1, 5 (1954) 92, Fig.6.

*Casearia glauciramea* Elmer, LPB 4 (1912) 1517; --Merr., EPFP 3 (1923) 115.

*Casearia nitens* Merr., PJS 30 (1926) 412.

LUZON, MINDORO, TICAQ, MASBATE, SIBUYAN, SAMAR, DINAGAT, MINDANAO, TAWI-TAWI. Rather common in thickets and secondary forests below alt. 250m, also near the sea, often on sandy or gravelly river banks and along creeks.

**Casearia grewiaefolia** Vent., Choix (1803) 48; --Sleum., Fl. Males. ser. 1, 5 (1954) 92, Fig.36.

#### var. grewiaefolia

*Casearia agusanensis* Elmer, LPB 7 (1915) 2652; --Merr., EPFP 3 (1923) 114.

*Casearia confertiflora* Merr., PJS 13 c (1918) Bot. 34; EPFP 3 (1923) 115.

Thailand, Indochina, Sumatra, Peninsular Malaysia, Java, Borneo, Philippines, Sulawesi, Lesser Sunda Isls (Bali), Moluccas (Sula), New Guinea.

**var. cinerea** (Turcz.) Sleum., Fl. Males. ser. 1, 5 (1954) 95.

*Casearia cinerea* Turcz., Bull. Soc. Nat. Mosc. 31<sup>1</sup> (1858) 462; --Merr., EPFP 3 (1923) 114.

*Casearia pilosissima* Quisumb. & Merr., PJS 37 (1928) 171

LUZON, SE MINDANAO. In primary and secondary forests, up to 600m.

**var. gelonioides** (Blume) Sleum., Fl. Males. ser. 1, 6 (1972) 944b.

*Casearia polyantha* Merr., PJS 1 (1906) Suppl. 99; EPFP 3 (1923) 116;

*Casearia crenata* Merr., PJS 1 (1906) Suppl. 99; EPFP 3 (1923) 115;

*Casearia grewiaefolia* var. *deglabrata* Koord. & Valetton, Bijdr. Booms. Java 1 (1894) 174; --Sleum., Fl. Males. ser. 1, 5 (1954) 95.

Thailand, Indochina, Sumatra, Peninsular Malaysia, Java, Borneo, Philippines, Sulawesi, Lesser Sunda Isls (Lombok; Sumbawa; Timor), Moluccas (Kei; Bacan; Ternate), New

Guinea (Arfak), Melanesia (Admiralty Is; New Britain; Solomon Isls: Bougainville).

**Casearia loheri** Merr., PJS 9 c (1914) Bot. 327; EPFP 3 (1923) 115; --Sleum., Fl. Males. ser. 1, (1954) 104.

*Casearia elliptifolia* (nec Merr., 1916) Elmer ex Merr., EPFP 3 (1923) 115, *in obs. pro syn.*

*Casearia paucinervia* Merr. & Quisumb., PJS 82 (1953) 331.

LUZON, SAMAR, MINDANAO. Primary forests up to 660m.

**Casearia mindanaensis** Merr., PJS 20 (1922) 410; EPFP 3 (1923) 116; ; --Sleum., Fl. Males. ser. 1, 5 (1954) 96.

MINDANAO: Zamboanga. Once collected. In forests along streams at c. 200m.

**Casearia phanerophlebia** Merr., PJS 10 c (1915) Bot. 277; EPFP 3 (1923) 116; ; --Sleum., Fl. Males. ser. 1, 5 (1954) 96.

*Casearia wenzelii* Merr. & Quisumb., PJS 76 (1944) 54.

LUZON: **Tayabas**, LEYTE, MINDANAO. In primary and secondary forests, on moist soil, c 150-500m.

**Casearia philippinensis** Merr., PJS 10 c (1915) Bot. 329; EPFP 3 (1923) 116; --Sleum., Fl. Males. ser. 1, 5 (1954) 95.

LUZON, SAMAR, MINDANAO. In forests along streams from low elevation up to 850m.

**Casearia trivalvis** (Blanco) Merr., Sp. Blancoanae (1918) 275; EPFP 3 (1923) 116; --Sleum., Fl. Males. ser. 1, 5 (1954) 91.

LUZON, MARINDUQUE, MINDORO. Primary forests up to 800m; flowering/fruitlet Jan.-Dec.

**Casearia tuberculata** Blume, Mus. Bot. 1 (1850) 254; --Sleum., Fl. Males. ser. 1, 5 (1954) 99.

*Casearia hydnocarpoides* Quisumb., PJS 76 (1944) 54. --Type: Merrill 9366 (L\*, isotype fragment and carbon rubbings of leaf). Palawan: Taytay, forested slopes at low altitude, 9 May 1913.

Sumatra, W Java, Philippines. PALAWAN (Taytay). Once found at low altitudes on forested slopes.

### 3. *Flacourtia* L'Heritier

**Flacourtia indica** (Burm.f.) Merr., Interp. Herb. Amboin. (1917) 377; EPFP 3 (1923) 112; --Sleum., Fl. Males. ser. 1, 5 (1954) 76, Fig.30h-i.

*Flacourtia sepiaria* Roxb., Pl. Corom. 1 (1796) 48, t. 68; --Merr., Fl. Manila (1912) 334

Widespread and often cultivated in tropical and subtropical countries. Africa, India, SE Asia and Polynesia. LUZON: Cagayan, Isabela, Zambales, Tarlac, Bataan, Rizal, Batangas; MINDORO. Dry thickets at low altitudes.

**Flacourtia jangomas** (Lour.) Raeusch., Nomencl. Bot. ed. 3 (1797) 290; --Sleum., Fl. Males. ser. 1, 5 (1954) 72, Fig.30a-d.

Not known in the wild state, possibly originating from Indo-Burma region; now cultivated throughout the tropics around villages as a fruit tree, especially in E Africa, India, SE Asia. Lowlands to 600m.

**Flacourtia rukam** Zoll. & Mor., Syst. Verz. (1854) 33; --Merr., EPFP 3 (1923) 113; --Sleum., Fl. Males. ser. 1, 5 (1954) 73, Fig.31-33.

*Flacourtia euphlebia* Merr., PJS 9 c (1914) Bot. 324; EPFP 3 (1923) 112;

*Flacourtia peninsula* Elmer, LPB 10 (1939) 3808

Throughout Malesia but rare in Moluccas and New Guinea. LUZON: Benguet,

Pangasinan, Zambales, Bataan, Rizal, Laguna, Quezon, Batangas, Sorsogon, POLILLO, MINDORO, NEGROS, CEBU, DINAGAT, MINDANAO: Zamboanga, Bukidnon, Davao, Agusan, BASILAN. Forests at low and medium altitudes. Also cultivated for its edible fruits.

**Flacourtia zippelii** Sloot., Bijdr. Flac. (1919) 128; --Sleum., Fl. Males. ser. 1, 5 (1954) 70. Philippines, Sulawesi, Moluccas (Kei; Banda; Morotai), New Guinea, Solomon Isls, New Britain. LUZON, POLILLO, MINDORO, MINDANAO, DINAGAT.

#### 4. *Erythrospermum* Lamarck

**Erythrospermum sp.**, Soejarto et al. (1995) Checklist Fl. Pl. Palawan PALAWAN: Mt Capoas, NE foot, *Soejarto 7683* (A, F, PNH)

#### 5. *Homalium* Jacquin

**Homalium barandae** Vidal ex Fernandez-Villar, Novis. App. (1880) 94; --Merr., EPFP 3 (1923) 110; --Sleum., Fl. Males. ser. 1, 5 (1954) 53. *Homalium loheri* Merr., PJS 4 c (1909) Bot. 297; EPFP 3 (1923) 110; --Sleum., Fl. Males. ser. 1, 5 (1954) 56, **syn. nov.**

LUZON: Benguet, Rizal, Batangas. In forests at low and medium altitudes. Sleumer's view that *H. barandae* is a mere tomentose form of *H. loheri* is here supported. The former name has priority.

**Homalium bracteatum** Benth., J. Linn. Soc. Bot. 4 (1860) 37; --Merr., EPFP 3 (1923) 110; --Sleum., Fl. Males. ser. 1, 5 (1954) 61. *Homalium curranii* Merr., PJS 4 c (1909) Bot. 297; EPFP 3 (1923) 110. LUZON. Primary forests at low altitude.

**Homalium foetidum** (Roxb.) Benth., J. Linn. Soc. Bot. 4 (1860) 37, *pro parte, quoad pl.* Roxb.; --Sleum., Fl. Males. ser. 1, 5 (1954) 57, Fig. 24. *Homalium luzoniense* Fernandez-Villar, Novis. App. (1880) 94; --Merr., EPFP 3 (1923) 111. *Homalium platyphyllum* Merr., PJS 13 c (1918) Bot. 36; EPFP 3 (1923) 111. Melanesia (New Ireland, New Britain), New Guinea, Moluccas, Sulawesi, Borneo, Peninsular Malaysia, Sumatra and the Philippines. LUZON, CEBU, LEYTE, MINDANAO. In thickets or rainforests, often along river banks, on clayey or sandy, often stony, whether or not periodically inundated soil, 20-200 (-350)m.

**Homalium gitingense** Elmer, LPB 4 (1912) 1513; --Merr., EPFP 3 (1923) 110; --Sleum., Fl. Males. ser. 1, 5 (1954) 62. LUZON: Albay, SIBUYAN (Mt Giting-giting), MINDANAO: Surigao. Forests along streams, on reddish soil with a gravelly subsoil, alt. 150m.

**Homalium multiflorum** Merr., PJS 13 c (1918) Bot. 35; EPFP 3 (1923) 111; --Sleum., Fl. Males. ser. 1, 5 (1954) 56. LUZON: Ilocos Norte, Mountain Province, Benguet, Bataan, Rizal. In forests up to 1500m.

**Homalium oblongifolium** Merr., PJS 10 c (1915) Bot. 326; EPFP 3 (1923) 111; --Sleum., Fl. Males. ser. 1, 5 (1954) 59. MINDANAO: Zamboanga. Once found. Primary forests at low altitudes.

**Homalium palawanense** Regalado, Soejarto & Madulid, Edinburgh J. Bot. 57 (2000) 317; 321, Fig.1. --Type: Soejarto, Fernando and Sagcal 8790 (PNH, holotype; isotypes in A, E, F, L, US). Palawan: Mt Mantalingahan, Sindurapi Peak.

PALAWAN (Mt Mantalingahan; Puerto Princesa, Mt Beaufort). Montane forest, 800-1150m.

**Homalium panayanum** Fernandez-Villar, Novis. App. (1880) 94; --Merr., EPFP 3 (1923) 111; --Sleum., Fl. Males. ser. 1, 5 (1954) 55.

Homalium obovatum Merr., PJS 27 (1925) 37; EPFP 4 (1925) 253. Type:

Borneo (Sabah) and the Philippines. LUZON, PALAWAN, GUIMARAS, SIBUYAN. On ridges in forests at low and medium altitudes, ascending to 1400m.

**Homalium ramosii** Merr., PJS 14 (1919) 423; EPFP 3 (1923) 111; --Sleum., Fl. Males. ser. 1, 5 (1954) 61.

LUZON: Ilocos Norte. Once found. Forested slopes, c. 450m.

**Homalium samarense** Merr., PJS 11 c (1916) Bot. 199; EPFP 3 (1923) 111; --Sleum., Fl. Males. ser. 1, 5 (1954) 59.

Homalium polillense Merr., PJS 27 (1925) 38; EPFP 4 (1925) 253. Type: Loher 14535. POLILLO.

Homalium villosum Merr., PJS 13 c (1918) Bot. 37; EPFP 3 (1923) 112.

LUZON, POLILLO, SAMAR, MINDANAO. Primary forests at low altitudes.

**Homalium villarianum** Vidal, Rev. Pl. Vasc. Filip. (1886) 142; --Merr., EPFP 3 (1923) 111; --Sleum., Fl. Males. ser. 1, 5 (1954) 61.

LUZON, LEYTE, MINDANAO; said to occur also in PANAY and SAMAR. Forests up to 400m.

## 6. *Hydnocarpus* Gaertner

**Hydnocarpus alcalae** C DC, PJS 11 c (1916) Bot. 37; EPFP 3 (1923) 107; --Sleum., Fl. Males. ser. 1, 5 (1954) 25.

LUZON: Albay. Low altitude forests. Cultivated and naturalized in Laguna (Mt Makiling).

**Hydnocarpus cauliflora** Merr., PJS 9 c (1914) Bot. 323; EPFP 3 (1923) 107; --Sleum., Fl. Males. ser. 1, 5 (1954) 25.

MINDANAO: Cotabato. Low altitude primary dipterocarp forest.

**Hydnocarpus heterophylla** Blume, Rumphia 4 (1848) 22, t. 178 B, Fig.1; --Sleum., Fl. Males. ser. 1, 5 (1954) 20.

**ssp. philippinensis** Sleum., Bot. Jahrb. 69 (1938) 20; Fl. Males. ser. 1, 5 (1954) 20.

Taraktogenos heterophylla Merr., EPFP 3 (1923) 108, (*non* Blume) Sloot.

Cyclostemon iwahigensis Elmer, LPB

Philippines, Sulawesi. LUZON: Camarines, Sorsogon, BUSUANGA, PALAWAN, TABLAS, TICAQ, MASBATE, PANAY, NEGROS, LEYTE. Low altitude forests.

**Hydnocarpus polypetala** (Sloot.) Sleum. in Engl. Bot. Jahrb. 69 (1938) 62; Fl. Males. ser. 1, 5 (1954) 31, Fig.10; --Soejarto et al. (1995) Checklist Fl. Pl. Palawan.

Sumatra (Palembang), Borneo and PALAWAN (N half, 5 collections). Lowland to medium altitude primary forest.

**Hydnocarpus subfalcata** Merr., PJS 4 c (1909) Bot. 297; EPFP 3 (1923) 107; --Sleum., Fl.

Males. ser. 1, 5 (1954) 22, Fig.6.  
Hydnocarpus ovoidea Elmer, LPB 4 (1912) 1514. –Type:  
Hydnocarpus quadrasii Elmer, LPB 4 (1912) 1515; --Merr., EPFP 3 (1923) 107. –Type:  
S Sumatra, Borneo (Sarawak), Philippines. LUZON: Cagayan, Pangasinan, Zambales,  
Quezon, SIBUYAN, SAMAR, MINDANAO: Zurriago. Low altitude thickets and forests, on  
non-inundated level ground.

**Hydnocarpus sumatrana** (Miq.) Koord., Exk. Fl. Jav. 2 (1912) 631; --Sleum., Fl. Males. ser. 1,  
5 (1954) 27; --Bergsmia sumatrana Miq., Fl. Ind. Bat. Suppl. (1860) 159. –Type from:  
Hydnocarpus hutchinsonii Merr., PJS 17 (1920) 291; EPFP 3 (1923) 107.

**var. sumatrana**

Sumatra, S and C Java, Borneo (Sabah, Kalimantan), Philippines, Sulawesi. TAWI-  
TAWI, BASILAN, MINDANAO. Rainforests, never in inundated areas, on sandy or  
clayey soil and hilly or steep ground, altitude 30-200m.

**var. pentagyna** (Sloot.) Sleum., Bot. Jahrb. 69 (1938) 52; Fl. Males. ser. 1, 5 (1954) 28.

Hydnocarpus palawanensis Merr. & Quisumb., PJS 82 (1953) 330, t. 3.

Known with certainty only from a single collection from Sumatra. Very similar but not  
quite identical specimen have been found in PALAWAN: Puerto Princesa, low alt. (*PNH*  
*192 Edano*, fr.). This was described as *H. palawanensis* Merr. & Quisumb. Similar  
materials have also been found in Borneo (Sarawak and Mt Kinabalu).

## 7. *Osmelia* Thwaites

**Osmelia philippina** (Turcz.) Benth., (*sphalm. 'philippinensis'*) J. Linn. Soc. Bot. 5 (1861)  
Suppl. 2: 89; --Merr., EPFP 3 (1923) 114; --Sleum., Fl. Males. ser. 1, 5 (1954) 79, Fig.35.

*Osmelia conferta* Benth., J. Linn. Soc. Bot. 5 (1861) Suppl. 2: 89; --Merr., EPFP 3 (1923) 113. –Type:

*Osmelia celebica* Koord., Meded. Lands Plant. 19 (1899) 624; --Merr., EPFP 3 (1923) 113. –Type:

*Osmelia subrotundifolia* Elmer, LPB 7 (1915) 2655; --Merr., EPFP 3 (1923) 114. –Type:

*Dichapetalum spicatum* Elmer, LPB 1 (1908) 299. –Type:

*Osmelia bartlettii* Merr., PJS 14 (1919) 246. –Type:

*Osmelia euspicata* Elmer, LPB 7 (1915) 2653. –Type:

Sumatra, Peninsular Malaysia, Borneo, Philippines, N & SE Sulawesi, Moluccas, N &  
SE New Guinea. LUZON: Rizal, Laguna, Quezon), CATANDUANES, TABLAS, PANAY,  
LEYTE, SAMAR, MINDANAO: Zamboanga, Lanao, Agusan, Surigao, DINAGAT.  
Lowland forests, ascending to 500m,

## 8. *Pangium* Reinwardt

**Pangium edule** Reinw. ex Blume, Cat. Gew. Buitenz. (1823) 112, *nom. nud.*; --Merr., EPFP 3  
(1923) 108; --Sleum., Fl. Males. ser. 1, 5 (1954) 35, Fig.12-15.

Melanesia (New Ireland, New Britain, New Hebrides), Micronesia (Yap), throughout  
Malasia. LUZON: Camarines, Sorsogon, PALAWAN, PANAY, NEGROS, LEYTE,  
SAMAR, MINDANAO. Primary and secondary forests at low and médium altitudes.

## 9. *Ryparosa* Blume

**Ryparosa cauliflora** Merr., PJS 4 c (1909) Bot. 325; EPFP 3 (1923) 109; --Sleum., Fl. Males. ser.  
1, 5 (1954) 42.

MINDANAO: Surigao, TINAGO. Forests at low altitudes.

**Ryparosa sp.**, Soejarto et al. (1995) Checklist Fl. Pl. Palawan.  
PALAWAN: Lake Manguao, NNW bay, *Swedish Match-Hilleshog 741* (A, L).

## 10. *Scolopia* Schreber

***Scolopia luzonensis*** (C Presl) Warb. in Engl. & Prantl, Nat. Pflanzenfam. 3, 6a (1893) 30, Fig.11; --Merr., EPFP 3 (1923) 109; --Sleum., Fl. Males. ser. 1, 5 (1954) 11.  
*Scolopia saeva* Merr., EPFP 3 (1923) 109, (*non* Hance) Briq., Borneo (Sabah), Philippines, NE, SW and SE Sulawesi, Lesser Sunda Isls (Flores) LUZON (widespread), CATANDUANES, MINDORO, MASBATE, PANAY, GUIMARAS, MINDANAO. Dry thickets and secondary forests, up to 680m, often common on clayey soil or along the dandy beach, also on limestone. Flowering Sept.–Mar., fruiting Apr.–Jun.

***Scolopia spinosa*** (Roxb.) Warb. in Engl. & Prantl, Nat. Pflanzenfam. 3, 6a (1893) 29; --Merr., EPFP 3 (1923) 110; --Sleum., Fl. Males. ser. 1, 5 (1954) 10, Fig.2-3.  
Myanmar, Thailand, Indochina, Sumatra (also Simalur), Banka, Peninsular Malaysia, Java, Borneo, Talaud Isls and PALAWAN.

### Not accounted for in Sleumer's FM revision is:

*Scolopia oldhami* Hance, Ann. Sci. Nat. Bot. v 5 (1966) 206; --Merr., EPFP 3 (1923) 109.

Taraktogenos Hasskarl =Hydnocarpus section Taraktogenos (Hassk.) Warb.

## 11. *Trichadenia* Thwaites

***Trichadenia philippinensis*** Merr., PJS 4 c (1909) Bot. 298; EPFP 3 (1923) 108; --Sleum., Fl. Males. ser. 1, 5 (1954) 39.  
*Vitex curvifrutescens* Elmer, LPB 8 (1915) 2873. --Type: Solomon Isls, New Britain, New Guinea, Schouten Is, Moluccas (Morotai; Buru; Bacan; Tenimber; Kei), S Sulawesi, Philippines. LUZON: Isabela, Pangasinan, Nueva Ecija, Rizal, Quezon, Laguna, Camarines, SIBUYAN, PANAY, NEGROS, MINDANAO: Lanao, Davao. Low altitude primary or old secondary forests, on flat or hilly but non-inundated places, ascending to 500m.

## 12. *Xylosma* G Forster

***Xylosma luzonense*** (C Presl) Clos, Ann. Sci. Nat. iv, 8 (1857) 229, in clavi, 273; --Merr., EPFP 3 (1923) 112; --Sleum., Fl. Males. ser. 1, 5 (1954) 68; --Prockia luzonensis C Presl, Rel. Haenk. 2 (1835) 94. --Type: *Flacourtia lanceolata* Merr., PJS 9 c (1914) Bot. 455; EPFP 3 (1923) 113.  
*Xylosma cumingii* Clos, Ann. Sc. Nat. IV, 8 (1857) 231.  
Moluccas (Kei), Lesser Sunda Isls, S Sulawesi, Buton Is and Philippines: BABUYAN ISLS, LUZON: Ilocos Norte, Ilocos Sur, La Union, Mountain Province, Cagayan, Nueva Vizcaya, Pangasinan, Zambales, Quezon, Rizal, Laguna, Cavite, Batangas. Thickets and (mostly secondary) forests at low altitudes, ascending to c. 1700m.

***Xylosma palawanense*** Mend., PJS 93 (1964) 514, Fig.2; --Sleum., Fl. Males. ser. 1,

6 (1972) 944b. --Type: PNH 80778 Gutierrez (Type for male at PNH, isotypes in A\*, L, K, US),  
PNH 80769 Gutierrez & Espiritu (Type for female at PNH, isotypes in A, L, K, US)  
PALAWAN: Quezon, Lipuun Point. On limestone hill. Seven specimens.

**Xylosma suluense** Merr., PJS 9 c (1914) Bot. 324; EPFP 3 (1923) 112; --Sleum., Fl. Males. ser. 1,  
5 (1954) 66, Fig.28.  
TAWI-TAWI (Ubian, Bongao). Thickets behind the beach forest.