

Family 102. LAURACEAE

Literature:

Kostermans, AJGH. 1957. Communications from the Forest Research Institute of Indonesia 57.
Kochummen, KM. 1989. *Lauraceae*. Tree Flora of Malaya 4: 98-178.

Actinodaphne Nees

Actinodaphne bicolor (Merr.) Merr., EPFP 2 (1923) 190; --*Litsea bicolor* Merr., PJS 4 c (1909) Bot. 259. --Type: Bolster 318
MINDANAO: Agusan del Norte, Surigao. Forests, altitude 200-900m.

Actinodaphne dolichophylla (Merr.) Merr., EPFP 2 (1923) 190; --*Litsea dolichophylla* Merr., PJS 12 c (1917) Bot. 134. --Type: BS 17540 Ramos.
PANAY, LEYTE, SAMAR, MINDANAO: Surigao del Norte. Low altitude primary forests.

Actinodaphne multiflora Benth. *in* Hook., London J. Bot. 2 (1843) 230.
Neolitsea vidalii Merr., PJS 1 (1906) Suppl. 56; --Merr., EPFP 2 (1923) 191.

Extra-Philippine distribution?

As *N. vidalii*: LUZON: Cagayan, Bataan, Rizal, Laguna, Quezon, Camarines, Sorsogon, MINDORO, GUIMARAS, BASILAN, MINDANAO. Primary forests at low and medium altitudes.

Actinodaphne samarensis (Merr.) Merr., EPFP 2 (1923) 190; --*Litsea samarensis* Merr., PJS 12 c (1917) Bot. 138. --Type: BS 17541 Ramos.
LUZON: Cagayan, CATANDUANES, SAMAR. Low or medium altitude forests.

Actinodaphne tayabensis (Elmer) Merr., EPFP 2 (1923) 191; --*Litsea tayabensis* Elmer, LPB 2 (1908) 380; *ibid.* (1909) 716. --Type: Elmer 9144.
Actinodaphne conferta (Merr.) Merr., EPFP 2 (1923) 190; --*Litsea conferta* Merr., PJS 11 c (1916) Bot. 259. --Type: BS 23348 Ramos.

Actinodaphne copelandii Elmer, LPB 10 (1939) 3750. --Based on Elmer 15994 (L*, MO*, NY*, iso).
Luzon: Sorsogon prov., Irosin, Mt Bulusan, in moist humus covered soil of steep wooded mountain flanks, altitude 1500ft, May 1916.

LUZON: Laguna, Quezon (Mt. Banahaw), Sorsogon (Mt Bulusan), MINDORO, NEGROS, MINDANAO: Davao, Surigao. Low and medium altitude forests.

Unpublished names:

Actinodaphne apoensis (Elmer) Kosterm., **This name is not in IPNI!**

Neolitsea apoensis Elmer, LPB 2 (1909) 727. --Type: Elmer 11255.

MINDANAO: Davao (Mt Apo), Agusan del Norte (Mt Urdaneta). Primary forests, altitude c. 1050m.

Actinodaphne intermedia (Elmer) Kosterm., **This name is not in IPNI!**

Neolitsea intermedia Elmer, LPB 2 (1909) 727; --Merr., EPFP 2 (1923) 191. --Type: Elmer 8832.

LUZON: Benguet, Rizal. Forests and on ridges at medium altitudes.

Alseodaphne Nees

Literature:

Kostermans, AJGH. 1973. *A synopsis of the genus Alseodaphne Nees (Lauraceae)*. *Candollea* 28: 93-136.

Alseodaphne longipes Quisumb. & Merr., PJS 37 (1928) 146. --Type: Elmer 13962 (UC*, holo; iso MO*, U*, US*). Mindanao: Agusan del Norte prov., Mt Urdaneta, on steep slopes, altitude c.

1000m, Oct 1912.

LUZON: Benguet (Tania), Isabela (Mt Moises), Nueva Vizcaya (Caraballo Mtns), Quirino (Mt Alzapan), Benguet), MINDANAO (Agusan del Norte). Forests, sometimes along streams, 970-1700m.

Alseodaphne philippinensis (Elmer) Kosterm., Reinwardtia 5 (1960) 344, t. 3; --*ltheadaphne philippinensis* Elmer, LPB 2 (1910) 713; --Merr., EPFP 2 (1923) 204. --Type: Elmer 11493. MINDANAO: Davao (Mt Apo). Primary forest, altitude c. 1800m.

Alseodaphne ramosii Kosterm., Reinwardtia 8 (1970) 21, Fig. 1. --Type: BS 80426 (BO, holo; iso in NY, SING*). Batan Is.

Known only from the type. Related to *A. philippinensis* (Elmer) Kosterm., but the leaves resemble those of *Dehaasia cairocan* (Vidal) CK Allen.

Check occurrence in the Philippines:

Alseodaphne elongata (Blume) Kosterm., J. Sci. Res., Indonesia 1 (1952) 120, in obs. Sumatra

Alseodaphne oblanceolata (Merr.) Kosterm., Reinwardtia 7 (1968) 292. **Beilschmiedia oblanceolata** Merr., Univ. Calif. Publ. Bot. 15 (1929) 84. --Syntypes: Elmer 20894, 20931 Borneo.

Beilschmiedia Nees

Beilschmiedia gemmiflora (Blume) Kosterm., J. Sc. Res., Indonesia 1 (1952) 115, in adnot. *Beilschmiedia glomerata* Merr., Govt. Lab. Publ. (Philipp.) 29 (1905) 15; EPFP 2 (1923) 198. As *B. glomerata*: Indochina, Philippines. LUZON: Ilocos Sur, Bataan, Laguna. Lowland primary and secondary forests.

Beilschmiedia gitingensis (Elmer) Kosterm., Reinwardtia 6 (1962) 156, t. 3. *Endiandra gitingensis* Elmer, LPB 2 (1910) 712; --Merr., EPFP 2 (1923) 203. SIBUYAN. Forests, altitude c. 550m.

Beilschmiedia lucidula (Miq.) Kosterm., Reinwardtia 8 (1970) 23. --Type of basionym *Cryptocarya lucidula* from Java. *Beilschmiedia nervosa* (Elmer) Merr., PJS 10 c (1915) Bot. 271; EPFP 2 (1923) 198; --*Linociera nervosa* Elmer, LPB 5 (1913) 1652. --Type: Elmer 11833 (BO, K, L*, NY*, UC, US*). Mindanao: Mt Apo, Todaya. Sumatra, Peninsular Malaysia, Langkawi Isls, Borneo, Java (extreme E part), Philippines. LUZON: Sorsogon, PALAWAN (Lake Manguao), NEGROS, LEYTE (Dagami, type locality of *B. leytensis* Merr.), SAMAR, MINDANAO: Davao (Mt Apo, Todaya), Agusan del Norte.

Caryodaphnopsis Airy Shaw

Caryodaphnopsis tonkinensis (Lecomte) Airy Shaw, Kew Bull. (1940) 74. *Persea tonkinensis* (Lec.) Kosterm., J. Sci. Res. Indonesia 1 (1952) 151. *Nothaphoebe pyriformis* (Elmer) Merr., Univ. Calif. Publ. Bot. 15 (1929) 77; -- *Persea pyriformis* Elmer, LPB 8 (1915) 2727; --Merr., EPFP 2 (1923) 188. --Type: Elmer 13311 (BISH*, NA*, NY*, US*, iso). Mindanao: Agusan del Norte prov., Mt Urdaneta (=Hilong-hilong), among dense woods in gravelly soil along Catangan Creek, altitude 1000ft, Jul 1912.

Extra-Philippine distribution?

SAMAR, MINDANAO: Zamboanga, Agusan del Norte, Surigao del Norte. Lowland forests to 300m.

Cassytha Linnaeus

Cassytha filiformis L., Sp. Pl. (1753) 35; --Merr., Fl. Manila (1912) 211; EPFP 2 (1923) 204.
Pantropic. Throughout the Philippines. In thickets especially near the sea, parasitic on various coarse grasses, shrubs, etc., also in peat swamps (Agusan Marsh). Sometime found inland up to 500 m altitudes in dry regions.

Cinnamomum Schaeffer

Cinnamomum anacardium Kosterm., Ginkgoana 6 (1986) 37. --Type: FB 26682 Peñas (L*, US*, iso). Luzon: Cagayan prov., May 1917.
LUZON: Cagayan

Cinnamomum burmanni Blume, Bijdr. (1825) 569; --Merr., EPFP 2 (1923) 187; --Kosterm., Bibl. Laur. (1964) 258; Reinwardtia 8 (1970) 33. --Type from W Java.
Cinnamomum mindanaense Elmer, LPB 2 (1910) 705; --Merr., EPFP 2 (1923) 187; --Kosterm., Bibl. Laur. (1964) 291. --Type: Elmer 11105 (iso in BO, L*, LE, NA*, NY*, U*, US*). Mindanao: Davao, Mt Apo, Todaya.
S China (Guangdong), Hainan, Vietnam, Sumatra, Borneo (Sabah), Java, W Flores, Philippines. Although the "typical" form was mentioned by Merrill (1923) as an introduced but rarely cultivated species, wild forms formerly known as *C. mindanaense* is known to occur in JOLO (Mt Dajo), MINDANAO: Zamboanga, Davao (Mt Apo), and Surigao. In low and medium altitude thickets and forests.

Cinnamomum camphora (L.) J Presl, Prir. Rostlin 2 (1825) 36 (47-56, t.8); --Nees & Eberm., Handb. Med. Pharm. Bot. 2 (1831) 430.
Introduced in some parts of the Philippines but not persisting.

Cinnamomum cebuense Kosterm., Ginkgoana 6 (1986) 56. --Type: Univ. of San Carlos 45 (L*, holo). Cebu: Cantipla. Mountain forest, alt. 800m.
CEBU: Cantipla. Mountain forest, alt. 800m. **Check Ginkgoana article for other records.**

Cinnamomum celebicum Miq., Ann. Mus. Bot. Lugd.-Bat. 1 (1851) 264; --Kosterm., Bibl. Laur. (1964) 281; Reinwardtia 8 (1970) 36. --Type presumably from Sulawesi.
Sulawesi and the Philippines. PALAWAN (Mt Pulgar), MINDANAO: Lanao (Camp Keithley), Davao (Mt Apo).

Cinnamomum ebaloi Kosterm., Ginkgoana 6 (1986) 50. --Type: Ebaloi 1198 (PNH*, iso). Mindanao: Lanao del Norte prov., Maria Cristina Falls, 25 Feb.- 30 March 1941.
MINDANAO: Lanao del Norte. **(check original protologue for other details)**

Cinnamomum griffithii Meissn. in DC, Prodr. 15 (1864) 19; --Soejarto et al. (1995) Checklist Fl. Pl. Palawan.
Extra-Philippine distribution? PALAWAN (Central part, based on 8 collections).

Cinnamomum iners Reinw. ex Blume, Bijdr. (1825) 570; --Merr., EPFP 2 (1923) 187.
India, Burma, Thailand, Indochina, Sumatra, Peninsular Malaysia, Java, Borneo, Sulawesi, Philippines.

PALAWAN, TAWI-TAWI, MINDANAO: Lanao. Forests, up to 700m.

Note: I don't know how this differs from *C. utile* Kosterm., some Philippine exsiccates cited by Merrill (1923) as *C. iners* could be *C. utile*. Check Kosterm., *Ginkgoana* 6 (1986) 55.

Cinnamomum lanaoense Kosterm., *Reinwardtia* 8 (1970) 49, Fig. 19. --Type: LE Ebalo 1041 (BO, holo; iso: A*, L*, MICH). MINDANAO: Lanao. Known only from the type collection.

Cinnamomum loheri Merr., *PJS* 27 (1925) 23; *EPFP* 4 (1925) 252. --Type: Loher 14469. Luzon: Rizal prov., Mabiluang.
LUZON: Rizal.

Cinnamomum mercadoi Vidal, *Rev. Pl. Vasc. Filip.* (1886) 224; --Merr., *EPFP* 2 (1923) 187. BABUYAN ISLS and N LUZON to MINDANAO. Common in lowland and medium altitude forests, with some forms ascending to 2000m.

Cinnamomum mendozai Kosterm., *Ginkgoana* 6 (1986) 58. --Type: PNH 42428 Mendoza (US*, iso). Mindanao: Agusan del Norte prov., Butuan, Barrio San Mateo, Sitio Tungao, 30 May-26 Jun 1961.
MINDANAO

Cinnamomum myrianthum Merr., *PJS* 12 c (1917) Bot. 125; *EPFP* 2 (1923) 188. --Type: BS 27485 Ramos (A*, L*, US*). Luzon: Ilocos Norte prov., Bangui, Feb-Mar 1917.
LUZON: Ilocos Norte. Low altitude forests.

Cinnamomum nanophyllum Kosterm., *Ginkgoana* 6 (1986) 45; --*Cinnamomum microphyllum* Quisumb. & Merr., *PJS* 37 (1928) 148, *non* Ridl. (1925). --Type: BS 45692 Ramos & Edaño (PNH, holo, lost; L*, NY*, US*, iso). Luzon: Aurora prov., Mt Alzapan, mossy forest, altitude c. 1900m, 7 Jun 1925.
LUZON: Aurora (Mt Alzapan).

Cinnamomum oblongum Kosterm., *Ginkgoana* 6 (1986) 59. --Type: BS 24455 Ramos (L*, holo; iso L*, iso MO*, NY*, US*). Samar: Catubig River, Feb.-March 1916.
SAMAR (Catubig River).

Cinnamomum oro Quisumb., *PJS* 76 (1944) 40. Type: FB 30880 Oro (iso in NY*). Luzon: Tayabas prov., Kagascas, forested slopes, altitude c. 300m, 1 Apr 1929
LUZON: **Tayabas**. Forest, alt. c. 300m. Known only from the type. Vegetatively similar to the montane *C. sandkuhlii* Merr., but with smaller leaves, shorter inflorescence and more slender peduncles, smaller flowers, and obovoid ovaries.

Cinnamomum perglabrum Kosterm., *Ginkgoana* 6 (1986) 45. --Type: PNH 80419 Conklin & Buwaya (L*, holo). Luzon: Ifugao prov., Banawe, Bayninan, in forest, altitude 6000ft, 16 Apr 1963.
LUZON: Ifugao (Banawe), in forest, altitude c. 1820m.

Cinnamomum rupestre Kosterm., *Ginkgoana* 6 (1986) 35. --Type: PNH 12391 Sulit (L*, holo). Palawan: Mt Victoria, SE slopes, depauperate forest on rocky ridge, altitude c. 1000m, 18 May 1950.
PALAWAN: Mt Beaufort, Malasgao, Victoria Peaks (type locality). Known from 5 collections.

Cinnamomum sancticaroli Kosterm., *Ginkgoana* 6 (1986) 38. --Type: Univ. San Carlos 680 (L*, holo). Mindanao: Davao, Mt Apo, Mainit, Kulan, montane forest, altitude 1200-1600m, 27 May 1974.

MINDANAO: Davao (Mt Apo). Montane forest, altitude 1200-1600m.

Cinnamomum sandkuhlii Merr., PJS 12 c (1917) Bot. 126; EPFP 2 (1923) 188. --Type: FB 21289 Sandkuhl (L*, US*, iso). Luzon: Benguet prov., Baguio, a single tree in Forbes Park, altitude c. 1400m, Apr 1914.

LUZON: Ifugao, Benguet. Forest, altitude 1400-2000m.

Cinnamomum trichophyllum Quisumb. & Merr., PJS 37 (1928) 148. --Type: BS 49530 Ramos & Edaña (PNH, holo, lost; iso L*, NY*, US*). Mindanao: Davao Oriental prov., Limot, Mt Mayo, on slopes in primary forest, altitude c. 700m, 26 May 1927.

MINDANAO: Davao Oriental (Mt Mayo). Forest, altitude c. 700m.

Cinnamomum utile Kosterm., Ginkgoana 6 (1986) 55. --Type: Elmer 10473 (L*, holo; iso MO*, NY*, US*). Mindanao: Davao, Mt Apo, Todaya, May 1909.

MINDANAO: **Check Ginkgoana article for other details**

Note: I don't know how this differs from C. iners Reinw. ex Blume.

Cinnamomum zeylanicum Blume, Bijdr. (1825) 568; --Merr., EPFP 2 (1923) 188.

Native of Sri Lanka or India. Occasionally planted in the Philippines.

Cinnamomum verum J Presl, Prir. Rostlin 2 (1825) 36.

Cryptocarya R Brown

Cryptocarya acuminata Merr., PJS 1 (1906) Suppl. 192; --Merr., EPFP 2 (1923) 199; --Kosterm., Bibl. 383 (1964) no. 16; Reinwardtia 7 (1968) 297. --Type: FB 4342 Merritt (US). Mindoro: Mindoro Oriental prov., Mt Halcon.

LUZON: Isabel, Pampanga, MINDORO: Mt Halcon, type locality; Bongabong River. In primary forests at low altitudes, ascending to 500m.

Cryptocarya ampla Merr., PJS 4 c (1909) Bot. 258; --Merr., EPFP 2 (1923) 199; --Kosterm., Bibl. 384 (1964) no. 8; Reinwardtia 7 (1968) 299. --Syntypes: Ahern's Collector 463 (NY, US*), 397 (NY*, US*) and 2438 (NY*, US*). All from Luzon: Rizal prov., Antipolo.

Cryptocarya calelanensis Elmer, LPB 2 (1910) 707; --Merr., EPFP 2 (1923) 200. --Type: Elmer 11610 (iso in L*, 2 sheets, LE, MO*, NY, U*, 2 sheets, US*). Mindanao: Mt Apo, Todaya.

Cryptocarya elliptifolia Merr., PJS 14 (1919) 396; --Merr., EPFP 2 (1923) 200. --Type: BS 30330 Ramos (iso in K, L*, US*). Catanduanes

Cryptocarya pacifica Elmer, LPB 10 (1939) 3753. --Type: Elmer 16758 (iso in L*, MO*, NA*, NY*, US). Luzon: Sorsogon, Irosin (Mt Bulusan).

LUZON: Ilocos Sur, Cagayan, Nueva Ecija, Pampanga (Mt Arayat), Rizal (Antipolo), Laguna (Mt Makiling), Camarines Norte (Paracale), Camarines Sur (Pasacao), Sorsogon, CATANDUANES; PANAY: Aklan (Libacao), MINDANAO: Davao: Mt Apo, Davao del Sur (Sta Cruz). Primary forests at low and medium altitudes, ascending to 1000m.

Cryptocarya beilschmiediifolia Kosterm., Reinwardtia 10 (1988) 455. --Type: SMHI 586 Podzorski (A*, iso). Palawan, Mt Beaufort.

PALAWAN: Mt Beaufort. Known only from the type locality, 2 collections.

Cryptocarya cagayanensis Merr., PJS 20 (1922) 385; --Merr., EPFP 2 (1923) 200; --Kosterm., Bibl. 390 (1964) no. 47; Reinwardtia 7 (1968) 303. --Type: FB 28440 Ponce (iso in A*, K, L, US*).

New Guinea Papua, Moluccas, Sulawesi, Borneo (Kalimantan, Sarawak, Sabah) and the Philippines.

LUZON: Cagayan, Isabel (Palanan). Primary lowland forests.

Cryptocarya crassinervia Miq., Fl. Ind. Bat. 1 (1858) 924; --Kosterm., Bibl. 394 (1964) no. 66a; Reinwardtia 7 (1968) 305. --Type from Sumatra.
Cryptocarya edanoi Merr., PJS 20 (1922) 384; --Merr., EPFP 2 (1923) 200; --Type: BS 36706 Ramos & Edaño (iso in A*, K, US*). Mindanao: Zamboanga, Mt Tubuan.
Sumatra, Peninsular Malaysia, Borneo and the Philippines.
MINDANAO (Zamboanga). Primary lowland forests.

Cryptocarya densiflora Blume, Bijdr. 11 (1826) 556; --Merr., EPFP 2 (1923) 200.
Cryptocarya laevigata Elmer, LPB 8 (1915) 2720, non Blume.
Peninsular Malaysia, Java, Philippines.
PANAY, NEGROS, MINDANAO: Zamboanga, Lanao, Agusan, DINAGAT. Low and medium altitude primary forests, ascending to 1050m.

Cryptocarya erectinervia Kosterm., Reinwardtia 7 (1968) 307. --Type from Kalimantan.
Borneo (Sabah, Sarawak, Kalimantan), Philippines.
LUZON: Tarlac (W of Capas, Patling, Cabatuan), Quezon (Real), PALAWAN: Victoria Mtns.

Cryptocarya euphlebica Merr., PJS 14 (1919) 396; --Merr., EPFP 2 (1923) 200; --Kosterm., Bibl. 398 (1964) no. 88a; Reinwardtia 7 (1968) 307. --Type: BS 30576 Ramos (iso in US*). Catanduanes.
Cryptocarya foxworthyi Elmer, LPB 10 (1939) 3752. --Type: Elmer 17330 (iso in L, US*) Luzon: Sorsogon prov., Mt Bulusan (Irosin).
Cryptocarya loheri Merr., PJS 27 (1925) 28. --Type: Loher 12349 (iso in A, K). Luzon: Rizal prov.
LUZON: Rizal (Montalban), Laguna (Dahican River), CATANDUANES, PALAWAN. Low and medium altitude primary forests.

Cryptocarya ferrea Blume, Bijdr. 11 (1826) 557; --Kochummen, Tree Fl. Mal. 4 (1989) 134.
Cryptocarya bicolor Merr., PJS 4 c (1909) Bot. 255; --Merr., EPFP 2 (1923) 199. --Type: FB 6578 Hutchinson (MO*, US*, iso). Mindanao: Zamboanga, Mar 1907.
Cryptocarya glauca Merr., PJS 4 c (1909) Bot. 258; --Merr., EPFP 2 (1923) 201. --Type: FB 2981 Ahern's Collector (MO*, NY*, US*, iso). Luzon: Rizal prov., Bosoboso, Apr 1905.
Cryptocarya glauciphylla Elmer, LPB 2 (1910) 710; --Merr., EPFP 2 (1923) 201. --Type: Elmer 12287 (L*, MO*, NY*, US*, iso). Sibuyan: Mt Giting-giting, on reddish soil with a gravelly subsoil of wooded bank along the Pauala river, altitude 750ft, Apr 1910.
Peninsular Malaysia, Java, Philippines.
LUZON: Bataan, Pampanga, Rizal, Laguna, Quezon, SIBUYAN, MINDANAO: Zamboanga. Low and medium altitude primary forests.

Cryptocarya griffithiana Wight, Icon. (1852) t. 1830; --Merr., EPFP 2 (1923) 201; --Kochummen, Tree Fl. Mal. 4 (1989) 134, Fig. 6.
Burma, Thailand, Tenasserim, Peninsular Malaysia, Singapore, Borneo, Indonesia and the Philippines.
MINDANAO: Lanao. Low and medium altitude forests.

Cryptocarya infectoria (Blume) Miq., Fl. Ind. Bat. 1¹ (1855) 924; --Kosterm., Bibl. 408 (1964) no. 136a; Reinwardtia 7 (1968) 317; --Kochummen, Tree Fl. Mal. 4 (1989) 135. --Type:
Cryptocarya villarii Vidal, Rev. Pl. Vasc. Filip. (1886) 222; --Merr., EPFP 2 (1923) 203, except Elmer 8531 (=C tomentosa Blume). --Type: Vidal 520 (A*, K, L*). Luzon: Pampanga prov. (Mt Arayat)
Peninsular Malaysia, Java, Philippines.
LUZON: La Union, Pampanga, Rizal. Medium altitude forests.

Cryptocarya intermedia Elmer, LPB 8 (1915) 2719; --Merr., EPFP 2 (1923) 201; --Kosterm., Bibl. 408 (1964) no. 138; Reinwardtia 7 (1968) 312. --Type: Elmer 13948 (L, LE, US). Mindanao: Agusan del Norte prov., Mt Urdaneta.

Cryptocarya lanceolata Merr., PJS 12 c (1917) Bot. 127; --Merr., EPFP 2 (1923) 201; --Kosterm., Bibl. 411 (1964) no. 149b; Reinwardtia 7 (1968) 312, *non* (P & S) Guil., which antedates Merrill's binomial by two years. --Type: FB 25098 Paraiso (US). Luzon: Ilocos Norte prov.

LUZON: Ilocos Norte, Apayao, La Union, NEGROS, MINDANAO: Zamboanga (Tetuan), Lanao, Agusan del Norte (Mt Urdaneta =Mt Hilong-hilong). Low altitude primary forests, ascending to c. 1200m.

Cryptocarya laevigata Blume, Bijdr. 11 (1826) 556; --Kochummen, Tree Fl. Mal. 4 (1989) 136.

Cryptocarya cinnamomifolia Merr., PJS 12 c (1917) Bot. 128; --Merr., EPFP 2 (1923) 200, *nom. Illeg. hom.* *Cryptocarya trinervia* Elmer ex Merr., EPFP 2 (1923) 200, in obs., pro syn; --Elmer, LPB 10 (1939) 3754, no Latin descr.

Madagascar, Peninsular Malaysia, Java, Borneo, Philippines.

LUZON: Nueva Ecija, Sorsogon, PANAY, NEGROS, SAMAR, MINDANAO: Zamboanga, Lanao, Agusan. Low and medium altitude primary forests, ascending to 1050m.

Cryptocarya lancilimba Kosterm., Reinwardtia 7 (1968) 314. --Type PNH 39947 Lagrimas (L*, holo). Luzon: Cagayan prov., Claveria, Sta Monica, forest, altitude 70m, 19 Nov 1959.

LUZON: Cagayan. Known only from the type collection.

Cryptocarya laurifolia (Blanco) Merr., PJS 4 c (1909) Bot. 254; --Merr., EPFP 2 (1923) 201.

Cryptocarya luzoniensis Vidal, Rev. Pl. Vasc. Filip. (1886) 222. --Type: Vidal 1680 (AAU*, iso). Luzon: Rizal prov., Cardona.

LUZON: Ilocos Norte, Ilocos Sur, Cagayan, Isabel, Nueva Ecija, Pampanga (Mt Arayat), Bataan (Mt Mariveles), Rizal (Cardona; Bosoboso), Laguna, Batangas, Quezon, Camarines Sur (Pasacao), MINDORO, PALAWAN, SAMAR.

Cryptocarya loheri Merr., PJS 27 (1925) 24; EPFP 4 (1925) 252. --Type: Loher 12349 (not seen).

Luzon: Rizal prov., Montalban, Oct 1909.

LUZON: Rizal. Allied to *C. oblongata* Merr., differing especially in its fewer nerves.

Cryptocarya lucida Blume, Ann. Mus. Bot. Lugd.-Bat. 1 (1851) 335 ; --Kosterm., Bibl. 413 (1964) no. 168a; Reinwardtia 7 (1968) 316. --Type from Borneo.

Cryptocarya ramosii Merr., PJS 14 (1919) 395; --Merr., EPFP 2 (1923) 202. --Type: BS 33071 (A, K, US*). Luzon: Ilocos Norte, Bangui to Claveria.

Borneo and the Philippines. LUZON: Ilocos Norte (Bangui to Claveria; Mt Palimlim), Laguna (Mt Makiling), MINDORO: Mindoro Occidental (Paluan).

Cryptocarya mackinnoniana F Muell., Fragm. 5 (1865) 169.

Extra-Philippine distribution? Australia

BASILAN, BS 16150 Reillo (GH*).

Cryptocarya mindanaensis Elmer, LPB 8 (1915) 2721; --Merr., EPFP 2 (1923) 202; --Kosterm., Bibl. 418 (1964) no. 195; Reinwardtia 7 (1968) 318. --Type: Elmer 13269 (A*, G, L*, LE, MO, NY*, U*, US*). Mindanao: Agusan del Norte prov., Cabadbaran, Mt Urdaneta.

LUZON: Nueva Ecija (San Miguel de Mayumo), MINDANAO: Agusan del Norte (Mt Urdaneta), Surigao del Norte.

Cryptocarya oblongata Merr., PJS 12 c (1917) Bot. 129; --Merr., EPFP 2 (1923) 202. --Type: Merrill 1033 (leg. Garcia), not seen, Aurora prov., Baler, Aug. 1902.

LUZON: Aurora, Laguna. Lowland primary forests.

Cryptocarya oligocarpa Merr., PJS 17 (1920) 257; --Merr., EPFP 2 (1923) 202; --Kosterm., Bibl.

425 (1964) no. 229; Reinwardtia 7 (1968) 321. --Type: BS 34716 (iso in A*, US*). Mindanao:

Surigao prov.

LUZON: Bataan, Laguna (Mt Makiling), PALAWAN, MINDANAO: Surigao (type locality).
Lowland forests.

Cryptocarya palawanensis Merr., PJS 4 c (1909) Bot. 256; --Merr., EPFP 2 (1923) 202; --Soejarto et al. (1995) Prelim. Checklist Fl. Pl. Palawan. --Type: FB 4141 Curran (iso in US*). Palawan: near Iwahig Penal Settlement, lowland forest behind mangrove, Apr 1906.

PALAWAN: Taytay; Mt Pulgar; Irawan River Valley. Lowland forests. Known from seven collections.

Cryptocarya parvifolia Merr., PJS 10 c (1915) Bot. 271; --Merr., EPFP 2 (1923) 202. --Type: Wenzel 998 (A*, NY*, US*, iso). Leyte: Leyte prov., Buenavista near Jaro, in forest, Jul 1914.

LEYTE. Primary forest, altitude c. 900m.

Cryptocarya samarensis Merr., PJS 12 c (1917) Bot. 130; --Merr., EPFP 2 (1923) 202; --Kosterm., Bibl. 433 (1964) no. 275; Reinwardtia 7 (1968) 330. --Type: BS 17531 Ramos (K, US*). Samar: Cauayan Valley, in forests along small streams, 27 Mar 1914.

PANAY, SAMAR, MINDANAO: Zamboanga (Mt Tubuan), Agusan del Norte (Tungao).
Lowland primary forests.

Cryptocarya subvelutina Elmer, LPB 2 (1910) 707; --Merr., EPFP 2 (1923) 202; --Kosterm., Bibl. 435 (1964) no. 290; Reinwardtia 7 (1968) 335. --Type: Elmer 11737 (iso in L*, LE, MO*, NY*, 2 sheets, U*, US*). Mindanao: Mt Apo, Todaya.

Cryptocarya oligophlebia Merr., PJS 12 c (1917) Bot. 128; EPFP 2 (1923) 202; --Kosterm., Bibl. 425 (1964) no. 230; --Type: BS Reillo 16155 (K). Basilan. Replicates of this number of the same locality and date in A* and US* represents *C. ilocana* Vidal (= *C. triplinervis* R. Br.)

?*Cryptocarya pallida* Merr., PJS 4 c (1909) Bot. 256; --Merr., EPFP 2 (1923) 202; --Kosterm., Bibl. 426 (1964) no. 238a; Reinwardtia 7 (1968) 335, under synonymy of *C. subvelutina* Elmer. --Type: Ahern 594, '294' in Merr. (1923), loc. cit., 566 (both numbers not seen by Kostermans). Mindanao: Zamboanga, Tetuan, Feb-Jun 1901.

Sulawesi, Halmahera (Bacan), records based on sterile specimens, fide Kostermans (*loc. cit.*), and the Philippines.

BASILAN, MINDANAO: ?Zamboanga (type locality of *C. pallida* Merr.), Zamboanga del Norte, Davao (Mt Apo), Surigao. Primary forests, from lowland to 1050m.

Cryptocarya teysmanniana Miq., Fl. Ind. Bat. Suppl. (1860) 360; --Kosterm., Bibl. 436 (1964) no. 298; Reinwardtia 7 (1968) 318; --Kochummen, Tree Fl. Mal. 4 (1989) 137. --Type from Sumatra (Palembang).

Cryptocarya everettii Merr., PJS 4 c (1909) Bot. 257; --Merr., EPFP 2 (1923) 200. --Syntypes: FB 4236 Everett (MO*, US*) and FB 4311 Everett (US*). Negros: Negros Occidental prov.

Cryptocarya everettii Merr. var. *navesii* Elmer, LPB 2 (1910) 706. --Type: Elmer 12505 (PNH, holo, lost; iso: L*, MO*, NY*).

Sumatra, Peninsular Malaysia, Borneo (Kalimantan; Sarawak; Sabah), Philippines.

POLILLO, SIBUYAN, PANAY, NEGROS: Negros Occidental, BUCAS GRANDE,
MINDANAO: Surigao. Low and medium altitude primary forests.

Cryptocarya todayensis Elmer, LPB 2 (1910) 709; --Merr., EPFP 2 (1923) 202. --Syntypes: Elmer 10713 (L*, NY*, US*). Mindanao: Davao, Mt Apo, Todaya, May 1909; --Elmer 11919 (L*, NY*, US*). Same locality, Oct. 1909.

MINDANAO: Davao. Primary forests, altitude c. 1000m.

Cryptocarya tomentosa Blume, Ann. Mus. Bot. Lugd.-Bat. 1 (1851) 335; --Kosterm., Bibl. 436 (1964) no. 301a; Reinwardtia 7 (1968) 338; --Kochummen, Tree Fl. Mal. 4 (1989) 137. --Type from Borneo.

Cryptocarya fuliginosa Elmer, LPB 10 (1939) 3807, not validly published (no Latin description); --Kosterm., Bibl. 402 (1964) no. 102. --Type: Elmer 8531 (iso in L*, LE). Luzon: Baguio.

Peninsular Malaysia, Java, Borneo, Sulawesi, Philippines. LUZON: Benguet (Baguio), OLUTANGA. Lowland forests generally.

Cryptocarya triplinervis R Br., Prodr. (1810) 402.

Cryptocarya ilocana Vidal, Rev. Pl. Vasc. Filip. (1886) 223; --Merr., EPFP 2 (1923) 201. --Type: Vidal 1684 (iso in AAU*, L*). Luzon: Ilocos Norte prov.

Cryptocarya affinis Merr., PJS 11 c (1916) Bot. 9; --Merr., EPFP 2 (1923) 199. --Type: BS 23338 Ramos (US*, iso). Luzon: Sorsogon prov., Mt Pocdal, in damp forest, 10 Sept 1915.

Cryptocarya oligophlebia Merr., PJS 12 c (1917) Bot. 128; --Merr., EPFP 2 (1923) 202. --Type: BS 16155 Reillo (A*, US*, iso). Basilan. In forest, altitude 20-200m, 19 Aug 1912.

Extra-Philippine distribution? Australia,

LUZON: Ilocos Norte, Cagayan, Laguna, Sorsogon, NEGROS, BASILAN, MALAMAUI. Low altitude primary forests.

Cryptocarya vidalii (Elmer) Merr., PJS 12 c (1917) Bot. 130; --Merr., EPFP 2 (1923) 203; --

Endiandra vidalii Elmer, LPB 2 (1910) 711. --Type: Elmer 12131 (GH*, L*, MO*, NY*, 2 sheets, US*, iso). Sibuyan: Magallanes (=Magdiwang), moist clay soil on a wooded Paulua river bank at 750ft, Mar 1910

SIBUYAN. Primary forests, altitude c. 225m.

Cryptocarya zamboangensis Merr., PJS 12 c (1917) Bot. 130; --Merr., EPFP 2 (1923) 203. --Type:

FB 13395 Foxworthy, de Mesa & Villamil (not seen). Mindanao: Zamboanga, Siay River, 29 May 1912.

MINDANAO: Zamboanga, Lanao. Lowland forests.

Additional ined. new species at PNH

Cryptocarya crebrinervia Merr. ex Kosterm., *ined*. Based on Merrill Philip. Pl. 1416 (NY*, holo).

Luzon: Laguna prov., Feb 1913.

Cryptocarya hypsineura Merr. & Quisumb., *ined*. Based on PNH 6353 Sulit & Conese (PNH*).

Samar: Concord, Bagacay, Km 59.5, dipterocarp forest, altitude 250m, 25 May 1948.

SAMAR.

Dehaasia Blume

Literature:

Kostermans, AJGH. 1973. *A synopsis of the genus Dehaasia Blume (Lauraceae)*. In Engler, Botanische Jahrbücher 93: 424-480.

Dehaasia cairocan (Vidal) CK Allen, J. Arn. Arb. 23 (1942) 445; --Beilschmiedia cairocan Vidal,

Rev. Pl. Vasc. Filip. (1886) 223; --Merr., EPFP 2 (1923) 198. --Type: Vidal 519 (L*, iso). Luzon: Bataan prov.

Beilschmiedia nigrifolia Elmer, LPB 5 (1913) 1797; --Merr., EPFP 2 (1923) 198. --Type: Elmer 12834 (L*, MO*, NY*, U*, US*, iso). Palawan: Puerto Princesa, gravelly wooded river bank, altitude 1000ft.

LUZON: Ilocos Norte, Ilocos Sur, Mountain Province, Cagayan, Isabel, Bataan, Rizal, Quezon, Camarines, MINDORO, PALAWAN, MASBATE, TICA, PANAY, NEGROS, LEYTE, MINDANAO: Zamboanga peninsula. Low and médium altitude primary forests.

Dehaasia incrassata (Jack) Kosterm., J. Sc. Res. Indonesia 1 (1952) 91; --Kochummen, Tree Fl.

Mal. 4 (1989) 139.

Dehaasia triandra Merr., PJS 1 (1906) Suppl. 193; --Merr., EPFP 2 (1923) 199. --Type:

Thailand, Sumatra, Peninsular Malaysia, Java, Borneo, Philippines, New Guinea.

LUZON: Cagayan, Isabel, Nueva Vizcaya, Nueva Ecija, Rizal, Laguna, Quezon, Camarines, MINDORO, MASBATE, SIBUYAN, NEGROS, MINDANAO. Low and médium altitude primary forests.

Dehaasia purpurea (Elmer) Kosterm., **This name is not in IPNI**

Beilschmiedia purpurea Elmer, LPB 2 (1910) 703; --Merr., EPFP 2 (1923) 199. --Type: Elmer 11288 (L*, MO*, NY*, US*). Mindanao: Davao, Mt Apo, Todaya. Wooded bench bordering open grassy glens, altitude 2750ft, Aug 1909.

MINDANAO: Davao. Ravines, forest edges, altitude c. 800m.

Endiandra R Brown

Endiandra coriacea Merr., Govt. Lab. Publ. (Philipp.) 35 (1906) 14; EPFP 2 (1923) 203.

LUZON: Ilocos Norte, La Union, Cagayan, Isabela, Nueva Ecija, Zambales, Bataan, Cavite, Quezon, MINDORO, PALAWAN, PANAY, LEYTE, SAMAR, MINDANAO.

Primary forests at low and medium altitudes.

Endiandra laxiflora Merr., PJS 11 c (1916) Bot. 182; --Merr., EPFP 2 (1923) 204. --Type: FB 25416

Labitag (US*, iso). Luzon: Quezon prov., Sampaloc, in semi-open forest, altitude 300-400m, April 1916.

LUZON: Apayao, Quezon, SAMAR (Catubig River), MINDANAO: Agusan del Norte (Mt Urdaneta). Low and medium altitude primary forests.

Eusideroxylon Teijsmann & Binnendijk

Eusideroxylon zwageri Teijsm. & Binnend., Nat. Tijdschr. Nederl. Ind. 25 (1863) 292, 2 plates; --Merr., EPFP 2 (1923) 190.

Sumatra, Banka, Billiton, Borneo.

TAWI-TAWI. Lowland primary forests.

Iteadaphne philippinensis Elmer =Alseodaphne philippinensis

Lindera Thunberg

Lindera apoensis Elmer, LPB 2 (1910) 714; --Merr., EPFP 2 (1923) 204; --Kosterm., Bibl. Laur.

(1964) 740; Reinwardtia 8 (1970) 83. --Type: Elmer 11640 (BO, L*, LE, MO*, NA*, NY*, U*, US*).

Mindanao: Davao, Mt Apo, Todaya.

Sulawesi and the Philippines.

MINDANAO: Lanao, Davao (Mt Apo), Agusan. Lowland to medium altitude primary forests.

Possible ined.:

Lindera cymosa Elmer, **xxxxxxx**; Soejarto et al. (1995) Checklist Fl. Pl. Palawan.

This name not in IPNI

PALAWAN: Victoria Peaks (4 collections since 1950).

Litsea Lamarck

Litsea albayana Vidal, Rev. Fl. Vasc. Filip. (1886) 227; --Merr., EPFP 2 (1923) 192. --Type:

LUZON: Bataan, Laguna, Camarines, Albay, LEYTE, SAMAR, MINDANAO. Primary

forests at low and medium altitudes, ascending to 900m.

Litsea anomala Merr., PJS 11 c (1916) Bot. 12; EPFP 2 (1923) 193. --Type: BS 23652 Ramos
LUZON: Sorsogon. Primary forests at medium altitudes.

Litsea baruringensis Elmer, LPB 2 (1910) 719; --Merr., EPFP 2 (1923) 193. --Type: Elmer 11736.
MINDANAO: Davao (Mt Apo). Forested slopes, c. 1050m.

Litsea catubigensis Kosterm., Reinwardtia 7 (1969) 500. --Type: BS 24555 Ramos (US*, holo; iso L*, NY*). Samar: Catubig River, Feb-Mar 1916.
SAMAR.

Litsea collina S Moore, J. Bot. 61 (1923) Suppl. 43. --Soejarto et al. (1995) Checklist Fl. Pl. Palawan.
Extra-Philippine distribution? New Guinea
PALAWAN, no exact locality, based on *FB 27884 Cenabre*.

Litsea cordata (Jack) Hook.f., Fl. Brit. Ind. 5 (1886) 177; --Kochummen, Tree Fl. Mal. 4 (1989) 154.
Litsea mappacea (Blume) Boerl., Handl. Fl. Ned. Ind. 3 (1900) 143.
Litsea perrottetii (Blume) Fern.-Villar, Novis. App. (1880) 180; --Merr., Fl. Manila (1912) 210; EPFP 2 (1923) 196. --Type:
Peninsular Malaysia, Borneo, Philippines, Sulawesi, and Moluccas.
N LUZON (Cagayan) to PALAWAN and MINDANAO, in most or all islands and provinces. Chiefly in secondary forests at low and medium altitudes.

Litsea diospyrifolia Quisumb., PJS 76 (1944) 41. --Type: BS 76459 Edaña (A*, iso). Luzon:
Camarines Sur prov., Her-it River, altitude c. 800m.
LUZON: Camarines Sur (Her-it River; Mt Isarog). Forests, alt. 800-1300m.

Litsea elliptica Blume, Bijdr. 11 (1826) 563; --Kochummen, Tree Fl. Mal. 4 (1989) 155.
Litsea odorifera Valetton, Icon. Bogor. 3 (1909) t. 276; --Merr., EPFP 2 (1923) 196.
Peninsular Thailand and Malaysia, Singapore, Sumatra, Borneo, Philippines, Java, Sulawesi, Moluccas, and New Guinea.
PALAWAN, on forested ridges, 150m.

Litsea firma (Blume) Hook.f., Fl. Brit. Ind. 5 (1886) 162; --Kosterm., Bibl. Laur. (1964) 817;
Reinwardtia 8 (1970) 99; --Kochummen, Tree Fl. Mal. 4 (1989) 156. --Syntypes from W Java, Sulawesi, Borneo etc.
Litsea sibuyanensis Elmer, LPB 2 (1910) 724; --Merr., EPFP 2 (1923) 197; --Soejarto et al. (1995) Checklist Fl. Pl. Palawan, as *L. aff. sibuyanensis* Elmer. --Type: Elmer 12536 (MO*, NY*, iso). Sibuyan: Magallanes (=Magdiwang), moist rocky densely wooded bank of the Sinuban creek, altitude 750ft, May 1910.
Sumatra, Peninsular Malaysia, Singapore, Borneo, Philippines, Sulawesi.
PALAWAN (Narra and Victoria Peaks), SIBUYAN (Magallanes, forests along stream, c. 225m).

Litsea fulva (Blume) Fern.-Villar, Novis. App. (1880) 181; --Merr., EPFP 2 (1923) 193; --Tetranthera fulva Blume, Mus. Bot. Lugd.-Bat. 1 (1851) 377. --Type: Cuming 1620.
Sumatra, Java and probably other parts of Peninsular Malaysia, Philippines.
LUZON: Ilocos Norte, Pangasinan, Nueva Ecija, Zambales, Bataan, Rizal, Laguna, Batangas, Sorsogon, MINDORO, SIBUYAN, PALAWAN, NEGROS, LEYTE, MINDANAO. Primary forests at low and medium altitudes, ascending to 900m.

Litsea garciae Vidal, Rev. Pl. Vasc. Filip. (1886) 228; --Merr., EPFP 2 (1923) 194. --Type:

LUZON: Cagayan, Isabela, Laguna, Quezon, Camarines, Albay, Sorsogon, MINDORO, LEYTE, SAMAR, MINDANAO: Cotabato, Davao, Agusan del Norte. Primary and secondary forests at low and medium altitudes. Endemic to the Philippines, unless referable to the Malayan *L. sebifera* Blume.

Litsea globifera Kosterm., Reinwardtia 7 (1969) 504.
LUZON: Cagayan, Isabela (Palanan).

Litsea glutinosa (Lour.) C Robinson, PJS 6 c (1911) Bot. 321; --Merr., Fl. Manila (1912) 210; EPFP 2 (1923) 194; --Kochummen, Tree Fl. Mal. 4 (1989) 157; --Sebifera glutinosa Lour., Fl. Cochinch. (1790) 638.

Litsea baracatanensis Elmer, LPB 2 (1910) 720; --Merr., EPFP 2 (1923) 193. --Type: Elmer 10993
India to S China through Malesia to tropical Australia.

Throughout the Philippines, in secondary and primary forests at low and medium altitudes. *L. baracatanensis* Elmer is possibly but a nearly glabrous form.

Litsea grandis (Wall. ex Nees) Hook.f., Fl. Brit. Ind. 5 (1886) 162; --Kosterm., Bibl. Laur. (1964) 828; Reinwardtia 8 (1970) 100; --Kochummen, Tree Fl. Mal. 4 (1989) 158. --Type of basionym *Tetranthera grandis* from W Java.

Litsea ampla Merr., PJS 12 c (1917) Bot. 133; EPFP 2 (1923) 193. --Type: Merrill 1654 (BO, GH*, L*, MO*, US*, iso). Samar, Apr 1914.

Burma, Thailand, Sumatra, Peninsular Malaysia, Singapore, Borneo and the Philippines:
LUZON: Isabela, Aurora, Quezon, Camarines, SAMAR, MINDANAO: Zamboanga, Misamis, Lanao. Primary forest at low and medium altitudes.

Litsea hutchinsonii Merr., PJS 4 c (1909) Bot. 259; EPFP 2 (1923) 195. --Type: FB 9148 Hutchinson
LUZON: Bataan, MINDORO: Mindoro Oriental (Mt Halcon), PALAWAN, BALABAC, NEGROS: Negros Occidental (Mt Katugasan), BASILAN, MINDANAO. Low altitude forests.

Litsea ilocana Merr., PJS 12 c (1917) Bot. 132; EPFP 2 (1923) 195. --Type: FB 25485 Paraiso. Luzon: Ilocos Sur prov., Talinaaden, on slopes, altitude c. 450m.
LUZON: Ilocos Sur. Forests, c. 450m.

Litsea leytensis Merr., PJS 10 c (1915) Bot. 272; EPFP 2 (1923) 195.
LUZON: Bataan, Quezon, Sorsogon, NEGROS, LEYTE. Lowland forests.

Litsea luzonica (Blume) Fern.-Villar, Novis. App. (1880) 181; --Merr., EPFP 2 (1923) 195; --
Tetranthera luzonica Blume, Ann. Mus. Bot. Lugd.-Bat. 1 (1851) 377.

N LUZON (Cagayan) to PALAWAN and MINDANAO, in most or all islands and provinces.

“This interpretation is largely based on Cuming 1585 and 1486, referred here by Meisner. Blume’s actual type was a specimen collected by Perrottet; Foxworthy, who examined it, notes that Elmer 7699 and 9133 agree with it; they do not very closely match Cuming’s specimens, so that perhaps more than one species is represented”. – Merrill, 1923, loc. cit.

Fernandez-Villar’s combination is antedated by *Litsea luzonica* Blanco, Fl. Filip. ed. 2 (1845) 284 [= *Symphorema luzonicum* (Blanco) Fern.-Villar, Verbenaceae].

Litsea macgregorii Merr., PJS 12 c (1917) Bot. 136; EPFP 2 (1923) 195.
BILIRAN. Primary forests, c. 200m.

Litsea micrantha Merr., PJS 12 c (1917) Bot. 136; EPFP 2 (1923) 195.
SAMAR, MINDANAO: Misamis, Lanao, Davao Oriental (Mt Mayo). Forests at low and medium altitudes.

Litsea microphylla (Elmer) Merr., EPFP 2 (1923) 196; --Actinodaphne microphylla Elmer, LPB 2 (1908) 375.
NEGROS. Exposed ridges, c. 1000m.

Litsea oblongifolia Merr., PJS 12 c (1917) Bot. 137; EPFP 2 (1923) 196.
LUZON: Cagayan. Forests at low altitudes.

Litsea perfulva Elmer, LPB 2 (1910) 723; --Merr., EPFP 2 (1923) 196.
MINDANAO: Davao (Mt Apo). Primary forests, c. 1100m.

Litsea philippinensis Merr., PJS 4 c (1909) Bot. 260; EPFP 2 (1923) 196.
LUZON: Bataan (Lamao River), Rizal (Bosoboso), Quezon, MINDORO: Mindoro Oriental (Bongabong River), SIBUYAN, CATANDUANES, NEGROS, LEYTE, SAMAR.
Primary forests at low and medium altitudes.

Litsea plateaefolia Elmer, LPB 2 (1908) 377; --Merr., EPFP 2 (1923) 196.
Litsea abraensis Merr., PJS 12 c (1917) Bot. 132; EPFP 2 (1923) 192. --Type: BS 27048 Ramos. Luzon: Abra prov., Mt Posuey, on damp forested slope, 4 Feb 1917.
LUZON: Abra, NEGROS. Medium altitude forested slopes and along streams, c. 750m in Negros.

Litsea quadrangularis Kosterm., Reinwardtia 7 (1969) 507; Soejarto et al. (1995) Checklist Fl. Pl. Palawan. --Type: BS 7877 Ramos (US*, holo).
LUZON: Cagayan (type locality), PALAWAN, no exact locality, *FB 30182 Cenabre*

Litsea quercoides Elmer, LPB 2 (1908) 378; --Merr., EPFP 2 (1923) 197. --Type: Elmer 16329.
Litsea euphobia Merr., PJS 12 c (1917) Bot. 135; EPFP 2 (1923) 193. --Type: BS 13523 Ramos.
LUZON: Laguna, Sorsogon, NEGROS, LEYTE, MINDANAO: Lanao. Primary forests, low altitudes to 1200m.

Litsea rubicunda Kosterm., Reinwardtia 7 (1968) 351; --Kochummen, Tree Fl. Mal. 4 (1989) 164.
Sumatra, Peninsular Malaysia, Pulau Tioman, Borneo and the Philippines (**check where?**)

Litsea segregata Elmer, LPB 2 (1910) 721; --Merr., EPFP 2 (1923) 197.
MINDANAO: Davao (Mt Apo). Primary forests, c. 1000m.

Litsea tomentosa Blume, Bijdr. 11 (1826) 566; --Kochummen, Tree Fl. Mal. 4 (1989) 165.
Litsea membranacea Elmer, LPB 2 (1908) 380; --Merr., EPFP 2 (1923) 195.
Burma(?), Peninsular Malaysia, Java, Borneo, Philippines, Sulawesi, New Guinea.
LUZON: Benguet, Isabela, LEYTE, MINDANAO: Lanao. Primary forests at low and medium altitudes.

Litsea urdanetensis Elmer, LPB 8 (1915) 2724; --Merr., EPFP 2 (1923) 197. --Type:
LUZON: Isabela, Quezon, Sorsogon, MINDANAO: Agusan del Norte (Mt Urdaneta), Surigao.

Litsea vanoverberghii Merr., PJS 12 c (1917) Bot. 139; EPFP 2 (1923) 197. --Type:

LUZON: Ilocos Norte, Mountain Province. Forests, up to 1700m.

Litsea varians (Blume) Boerl., Handl. Fl. Ned. Ind. 3 (1900) 143.

Litsea cinerea (Elmer) Merr., EPFP 2 (1923) 193; --*Actinodaphne cinerea* Elmer, LPB 5 (1913) 1795. --Type: Elmer 12947 (iso in L*, MO*, NA*, NY*, U*, US*). Palawan

Litsea wenzelii Merr., PJS 9 c (1914) Bot. 358; EPFP 2 (1923) 197. --Type: Wenzel 626 (iso in MO*, US*). Leyte:

Sumatra, Philippines.

PALAWAN, LEYTE. Forests, forested ridges, 500-600m. (habitat notes as in *L. cinerea* (Elmer) Merr., and *L. wenzelii* Merr., sec. Merr., 1923); *L. wenzelii* "...is perhaps too close to *L. luzonica* (Blume) Fern.-Villar"

Litsea velutina Elmer, LPB 8 (1915) 2726; --Merr., EPFP 2 (1923) 197. --Type:

MINDANAO: Agusan del Norte (Mt Urdaneta), Forests, c. 1500m.

Litsea whitfordii Merr., EPFP 2 (1923) 197. --Type:

MINDORO, LEYTE. Forests at low altitudes.

Ined. Names:

Litsea sulitii Kosterm., *ined.* Based on PNH 6436 Sulit & Conese (L*). Samar: Mt Kanrangan, vicinity of km post 67 near road, altitude c. 200m, 20 May 1948.

This name is not in IPNI

Machilus Nees =Persea

Neolitsea (Bentham) Merrill

Neolitsea incana Elmer, LPB 5 (1913) 1794; --Merr., EPFP 2 (1923) 191. --Type: Elmer 13184.

PALAWAN (Mt Pulgar =Thumb Peak). Dense thicket at the summit, altitude c.1300m.

Neolitsea lanceolata Merr., PJS 14 (1919) 397; EPFP 2 (1923) 191. --Type: BS 30231 Ramos.

Catanduanes: Mt Mariguison, forest near summit, 27 Nov 1917.

LUZON: **Tayabas east coast**, CATANDUANES. Mossy forests, probably at or above 900m.

Neolitsea megacarpa Merr., PJS 5 c (1910) Bot. 349; EPFP 2 (1923) 191. --Type:

LUZON: Mountain Province, Benguet. Mossy forests, altitude 2200-2400m.

Neolitsea microphylla Merr., PJS 1 (1906) Suppl. 57; EPFP 2 (1923) 191. --Type:

LUZON: Mountain Province, Benguet, Bataan, MINDORO. Mossy forests, altitude 1200-2400m.

Neolitsea paucinervia Merr., PJS 14 (1919) 398; EPFP 2 (1923) 191. --Type: BS 23316 Ramos.

Luzon: Sorsogon prov., Mt Kililibong, mossy forest, 17 Aug 1915.

LUZON: Camarines, Sorsogon. Mossy forests at or above 1000m.

Neolitsea villosa (Blume) Merr., PJS 4 c (1909) Bot. 261; EPFP 2 (1923) 192; --Kochummen, Tree

Fl. Mal. 4 (1989) 168; --*Litsea villosa* Blume, Mus. Bot. Lugd.-Bat. 1 (1851) 349.

Neolitsea vulcanica Elmer, *ined.* Based on Elmer 15752.

Peninsular Malaysia to the Moluccas.

LUZON: Ilocos Norte, Abra, Benguet, Zambales, Bataan, Pampanga, Laguna, Quezon,

Batangas, MINDORO, LEYTE, MINDANAO. Mossy forests, altitude 900-2000m.

Neolitsea zeylanica (Nees) Merr., PJS 1 (1906) Suppl. 57; --Merr., EPFP 2 (1923) 192; --Kochummen, Tree Fl. Mal. 4 (1989) 169, Fig. 10; --Litsea zeylanica Nees, Amoer. Bot. Bonn. 1 (1823) 58, t. 5.

India, Sri Lanka, Burma, Peninsular Malaysia, Borneo, Philippines.

LUZON: Zambales, Batangas, LEYTE. Medium altitude forests.

Nothaphoebe Blume

Nothaphoebe leytensis (Elmer) Merr., EPFP 2 (1923) 190; --Persea leytensis Elmer, LPB 2 (1908) 383. --Type:

Nothaphoebe surigaoensis (Elmer) Kosterm. --Name not in IPNI, possibly ined.

Persea surigaoensis Elmer, LPB 8 (1915) 2728. --Type:

PANAY, LEYTE, SAMAR, MINDANAO: Surigao, DINAGAT. Lowland forests.

Nothaphoebe umbelliflora (Blume) Blume, Ann. Mus. Bot. Lugd.-Bat. 1 (1851) 328; --

Kochummen, Tree Fl. Mal. 4 (1989) 172; --Soejarto et al. (1995) Checklist Fl. Pl. Palawan.

Nothaphoebe malabonga (Blanco) Merr., PJS 9 c (1914) Bot. 358; EPFP 2 (1923) 189; --Alseodaphne malabonga (Blanco) Kosterm., J. Sc. Res., Indonesia 1 (1952) 125; --Ajoyea malabonga Blanco. Fl.

Filip. (1837) 233. --Type:

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

LUZON: Ilocos Sur, Cagayan, Isabela (Palanan), Bulacan, Rizal, Laguna, Camarines, MINDORO, PALAWAN, PANAY, NEGROS, LEYTE, MINDANAO. Low and medium altitude forest.

Persea Gaertner

Literature:

Kostermans, AJGH. 1962. *The Asiatic species of Persea Mill.* (Lauraceae). Reinwardtia 6: 189-194.

Persea americana Mill., Gard. Dict. ed. 8 (1768); --Merr., Fl. Manila (1912) 211; EPFP 2 (1923) 188. Native of tropical America. Widely cultivated for its edible fruits.

Persea curranii (Merr.) Kosterm., Reinwardtia 6 (1962) 191; --Machilus curranii Merr., PJS 5 c (1910) Bot. 349; EPFP 2 (1923) 189. --Type: FB 18080 Curran.

LUZON: Benguet (Mt Pulag). High montane cloud forest, altitude 2400-2700m.

Persea philippinensis (Merr.) Elmer, LPB 2 (1908) 384; --Machilus philippinensis Merr., PJS 1 (1906) suppl. 56; EPFP 2 (1923) 189. --Type:

LUZON: Mountain Province, Cagayan, Bataan, Laguna, Batangas, Quezon, MINDORO. Ridge forests, alt. 800-2300m.

Persea thunbergii (Sieb. & Zucc.) Kosterm., Comm. For. Res. Inst. Bogor 57 (1957) 35; --

Hatusima, Mem. Fac. Agr. Kagoshima Univ. 5 (1966) 30. --Type:

Japan, Taiwan, extreme N Philippines.

BATAN: Mt Iraya. In thickets, alt. 300m

Phoebe Nees

Phoebe glabrifolia Merr., PJS 12 c (1917) Bot. 140; EPFP 2 (1923) 189. --Type: BS 17552 Ramos.
SAMAR, BASILAN. Low and medium altitude primary forests.

Phoebe sterculioides (Elmer) Merr., PJS 4 c (1909) Bot. 262; EPFP 2 (1923) 189; --Soejarto et al.
(1995) Checklist Fl. Pl. Palawan..
LUZON: Isabela, Aurora, Quezon, Laguna, MINDORO, PALAWAN (Taytay), PANAY,
NEGROS, LEYTE, SAMAR, MINDANAO.