

Family 254. LABIATAE

Revision:

Keng, H. 1978. *Labiatae*. Flora Malesiana series 1, 8: 301-394.

Achyropermum Blume

Achyropermum densiflorum Blume, Bijdr. (1826) 840; --Merr., EPFP 3 (1923) 412; --H Keng, Gard. Bull. Sing. 24 (1969) 23, Fig. 1; Fl. Males. ser. 1, 8 (1978) 328.

Acrocephalus Bentham

Acrocephalus indicus (Burm.f.) Kuntze, Rev. Gen. Pl. 2 (1891) 511; --Merr., PJS 7 c (1912) Bot. 101; EPFP 3 (1923) 421; --H Keng, Gard. Bull. Sing. 24 (1969) 26, Fig. 2, incl. forma *spicatus* (C Robinson) H Keng; Fl. Males. ser. 1, 8 (1978) 365.
Acrocephalus spicatus C Robinson, PJS 6 c (1911) Bot. 356; --Merr., EPFP 3 (1923) 421.

Ajuga Linnaeus

Ajuga bracteosa Wall., (Cat. 1829, no. 2032, *nomen*) ex Benth, in Wall. Pl. As. Rar. 1 (1830) 59; --Merr., EPFP 3 (1923) 408; --H Keng, Gard. Bull. Sing. 24 (1969) 31, Fig. 4; Fl. Males. ser. 1, 8 (1978) 312, Fig. 2.

Afghanistan through continental SE Asia (India, Myanmar, Thailand, Indochina, S China), Taiwan, Ryukyu Isls, Philippines, Talud Isls, N & E Sulawesi, Moluccas (Ternate; Halmahera), W New Guinea (Jappen Is).
BATAN, LUZON, MINDANAO.

Anisomeles R Brown

Anisomeles indica (L.) Kuntze, Rev. Gen. Pl. 2 (1891) 512, *incl.* forma *albiflora* (Hassk.) Kuntze, forma *rubicunda* Kuntze; --Merr., Fl. Manila (1912) 411; EPFP 3 (1923) 412; --H Keng, Gard. Bull. Sing. 24 (1969) 34, Fig. 5; Fl. Males. ser. 1, 8 (1978) 329, Fig. 8.

Basilicum Moench

Basilicum polystachyon (L.) Moench, Suppl. Meth. Pl. (1802) 143; --H Keng, Gard. Bull. Sing. 24 (1969) 39, Fig. 6; Fl. Males. ser. 1, 8 (1978) 366, Fig. 25.
Moschosma polystachyum (L.) Benth. in Wall. Pl. As. Rar. 2 (1830-31) 13; --Merr., EPFP 3 (1923) 421.
Moschosma tenuiflora Heynh., Nomen. 1 (1840) 532; --Merr., Fl. Manila (1912) 421.

Calamintha Miller = Satureja

Coleus Loureiro = Plectranthus

Cymaria Bentham

Cymaria dichotoma Benth. (in Wall. Cat. 1829, no. 2080, *nomen*) Bot. Reg. *Sub t.* 1292 (1830); *in* Wall. Pl. As. Rar. 1 (1830) 113; --Merr., EPFP 3 (1923) 408.
Cymaria acuminata Decne., Nouv. Ann. Mus. Hist. Nat. Paris 3 (1834) 399 (Herb. Timor. Descr. 1835, 71); --Merr., EPFP 3 (1923) 408.

Continental SE Asia (Myanmar, Thailand, Indochina, S China), Hainan, Peninsular Malaysia (very rare), E Java, Philippines, S Sulawesi, Moluccas (Babar & Tanimbar Isls) LUZON: Pangasinan, Rizal, Laguna, Batangas, JOLO, MINDANAO: Cotabato, Bukidnon, Davao. Low and medium altitude thickets and secondary forests.

Gomphostemma Wallich ex Bentham

Gomphostemma javanicum (Blume) Benth., Lab. Gen. Sp. (1835) 650; --H Keng, Gard. Bull. Sing. 24 (1969) 86; Fl. Males. ser. 1, 8 (1978) 322.
Gomphostemma philippinarum Benth. in DC, Prod. 12 (1848) 551; --Merr., EPFP 3 (1923) 409.

Hyptis Jacquin

Hyptis brevipes Poit., Ann. Mus. Hist. Nat. Paris 7 (1806) 465; --Merr., PJS 1 (1906) suppl. 122; Fl. Manila (1912) 409; EPFP 3 (1923) 416; --H Keng, Gard. Bull. Sing. 24 (1969) 90; Fl. Males. ser. 1, 8 (1978) 369.

Native of Mexico.

Hyptis capitata Jacq. (Icon. Rar. 1, 1781-87, t. 114, *sine descr. et anal., inval.*). Collect. 1 (1786) 102; --Merr., Fl. Manila (1912) 409; EPFP 3 (1923) 416; --H Keng, Gard. Bull. Sing. 24 (1969) **xxxxx**; Fl. Males. ser. 1, 8 (1978) 369.

Hyptis lanceolata (*non* Poir. 1813) Briq., Ann. Cons. Jard. Bot. Geneve 2 (1898) 225; --Merr., EPFP(1923) 416, (*quoad* Cuming 591)

Native of the neotropics.

Hyptis spicigera Lam., Encycl. 3 (1789) 185; --Merr., Fl. Manila (1912) 409; EPFP 3 (1923) 417; --H Keng, Gard. Bull. Sing. 24 (1969) 95; Fl. Males. ser. 1, 8 (1978) 371.

Native of the Neotropics.

Hyptis suaveolens (L.) Poit., Ann. Mus. Hist. Nat. Paris 7 (1806) 472, t. 29, Fig. 2; --Merr., Fl. Manila (1912) 409; EPFP 3 (1923) 417; --H Keng, Gard. Bull. Sing. 24 (1969) 95; Fl. Males. ser. 1, 8 (1978) 372.

Native of the Neotropics.

Leonurus Linnaeus

Literature:

Harley, R. & A. Paton. 2001. *Leonurus japonicus* Houtt. (*Labiatae*): the correct name for a common tropical weed. Kew Bull. 56: 243–244.

Leonurus japonicus Houtt., Nat. Hist. II. ix (1778) 366, t. 57, Fig. 1 (1778); --Christm. Pflanzensyst. 7 (1781) 501, t. 57, fig. 1, in nota; fide Merrill in Journ. Arn. Arb. 19 (1938) 363.

Leonurus sibiricus auctt. *non* L., Sp. Pl. (1753) 584; --Merr., Fl. Manila (1912) 412; EPFP 3 (1923) 412; --H Keng, Gard. Bull. Sing. 24 (1969) 98, Fig. 16; Fl. Males. ser. 1, 8 (1978) 336..

Leucas R Brown

Leucas aspera (Willd.) Link, En. Hort. Berol. 2 (1822) 113; --Merr., EPFP 3 (1923) 410; --H Keng, Fl. Males. Ser. 1, 8 (1978) 337.

Leucas decemdentata (Willd.) J. Sm., in Rees, Cycl. (1812) LEU 20; --Keng, Fl. Males. ser. 1, 9 (1982) 567.

Leucas flaccida R Br., Prod. (1810) 505; --Keng, Fl. Males. ser. 1, 8 (1978) 340.
Leucas mollissima Wall. ex Benth., in Wall. Pl. As. Rar. 1 (1830) 62; --Merr. & Rolfe, PJS 5 c (1910) 381;
--Merr., EPFP 3 (1923) 411.
Leucas javanica Benth., Lab. Gen. Sp. (1834) 611; --Merr., Fl. Manila (1912) 412; EPFP 3 (1923) 410.

Leucas linifolia (Roth) Spreng., Syst. Veg. ed. 15, 2 (1825) 743; --H Keng, Fl. Males. ser. 1, 8 (1978) 338.
Leucas lavandulifolia JE Sm. in Rees, Cycl. 20 (1812) n. 2; --Merr., EPFP 3 (1923) 411; --Keng, Fl. Males.
ser. 1, 8 (1978) 338.

Leucas zeylanica (L.) R Br. in Aiton, Hort. Kew. ed. 2, 3 (1811) 409; --Merr., EPFP 3 (1923) 411; --H
Keng, Gard. Bull. Sing. 24 (1969) 101; Fl. Males. ser. 1, 8 (1978) 337.

Mentha Linnaeus

Mentha arvensis L., Sp. Pl. (1753) 577; --Merr., Fl. Manila (1912) 411; EPFP 3 (1923) 413; --H Keng,
Gard. Bull. Sing. 24 (1969) 113; Fl. Males. ser. 1, 8 (1978) 344.

var. *arvensis*

var. *javanica* (Blume) Hook.f., Fl. Br. Ind. 4 (1885) 648; --H Keng, Gard. Bull. Sing. 24 (1969) 111,
Fig. 19; Fl. Males. ser. 1, 8 (1978) 343.
Mentha javanica Blume Bijdr. (1826) 826; --Merr., EPFP 3 (1923) 413.

Mentha x cordifolia Opiz ex Fresen, Syll. Ratisb. 2 (1828) 232; --H Keng, Fl. Males. ser. 1, 8 (1978) 344.

Mesona Blume

Mesona palustris Blume, Bijdr. (1826) 839; --H Keng, Gard. Bull. Sing. 24 (1969) 114; Fl. Males. ser.
1, 8 (1978) 373.
Mesona philippinensis Merr., PJS 7 c (1912) Bot. 101; EPFP 3 (1923) 420.

Moschosma Reichenbach =Basilicum

Mosla Buchanan-Hamilton ex (Bentham) Maximowicz

Mosla formosana Maxim., Bull. Ac. Sc. St. Petersburg. 20 (1875) 459; --Merr., EPFP 3 (1923) 414; --H
Keng, Gard. Bull. Sing. 24 (1969) 122, Fig. 22 g-i; Fl. Males. ser. 1, 8 (1978) 348, Fig. 18.

Nosema Prain

Nosema clausum (Merr.) H Keng, Gard. Bull. Sing. 24 (1969) 123, Fig. 23 a-e; Fl. Males. ser. 1, 8
(1978) 375, Fig. 29d.

Mesona clausa Merr., PJS 7 c (1912) Bot. 345; EPFP 3 (1923) 420.

CULION. Open damp places at low altitude. Fl. Oct, Dec.

Ocimum Linnaeus

Ocimum basilicum L., Sp. Pl. (1753) 833; --Merr., PJS 3 c (1908) Bot. 433; Fl. Manila (1912) 407;
EPFP 3 (1923) 421; --H Keng, Gard. Bull. Sing. 24 (1969) 127; Fl. Males. ser. 1, 8 (1978) 377.

Ocimum tenuiflorum L., Sp. Pl. (1753) 597; --H Keng, Fl. Males. ser. 1, 8 (1978) 378, Fig. 30.
Ocimum sanctum L., Mant. 1 (1767) 85; --Merr., Fl. Manila (1912) 408; EPFP 3 (1923) 422; --H Keng, Gard.
Bull. Sing. 24 (1969) 130.

Orthosiphon Benth

Orthosiphon aristatus (Blume) Miq., Fl. Ind. Bat. 2 (1858) 943; --Merr., EPFP 3 (1923) 422; --H
Keng, Gard. Bull. Sing. 24 (1969) 132; Fl. Males. ser. 1, 8 (1978) 380.

Paraphlomis Prain

Paraphlomis javanica (Blume) Prain, (Ann. R. Bot. Gard. Calc. 9, 1901, 59, *nom. prov.*) *ex*
Backer & Bakh. *f.*, Fl. Jav. 2 (1965) 619; --H Keng, Gard. Bull. Sing. 24 (1969) 136, Fig. 26 a-g; Fl.
Males. ser. 1, 8 (1978) 350.
Gomphostemma rugosum (Benth.) Prain, (Ann. R. Bot. Gard. Calc. 9, 1901, 60, pl. 74, *nom. prov.*) J. As.
Soc. Beng. 74, 2 (1907) 721; --Merr., EPFP 3 (1923) 412.
Gomphostemma luzonense Elmer, LPB 1 (1908) 339.

Plectranthus L'Heritier, *sensu lato*

Plectranthus amboinicus (Lour.) Spreng., Syst. 2 (1825) 690; --*Coleus amboinicus* Lour., Fl.
Cochinch. (1790) 372; --Merr., PJS 7 c (1912) Bot. 344; Fl. Manila (1912) 410; EPFP 3 (1923) 418;
--H Keng, Gard. Bull. Sing. 24 (1969) 50; Fl. Males. ser. 1, 8 (1978) 387.
Possibly native in India.

Plectranthus apoensis (Elmer) H Keng, Gard. Bull. Sing. 24 (1969) 147; Fl. Males. ser. 1, 8 (1978) 387; --*Coleus a*
Elmer 11601 (isotypes in L*, NY*, US*). Mindanao: Davao prov., Mt Apo, Todaya.
MINDANAO: Davao (Mt Apo). Open ridge thickets on fertile soil, in association with
grasses, alt. 1000m. Known only from the type collection.

Plectranthus javanicus (Blume) Benth., Lab. Gen. Sp. (1832) 45; --H Keng, Gard. Bull. Sing. 24
(1969) 142; Fl. Males. ser. 1, 8 (1978) 386.
Plectranthus diffusus Merr., PJS 1 (1906) Suppl. 235; *ibid* 5 c (1910) Bot. 382; EPFP 3 (1923) 418.
Moschosma philippinense Elmer, LPB 10 (1939) 3809, *nomen*.

Plectranthus merrillii H Keng, Fl. Males. ser. 1, 8 (1978) 391.
Coleus macranthus Merr., PJS 1 (1906) Suppl. 234; *ibid* 5 c (1910) Bot. 382; EPFP 3 (1923) 419, *non*
Hook. *f.* (1885). --Syntypes: Merrill 4502 (NY*, US*), 4505 (US*), 4583 (US*), all from Luzon:
Mountain Province, Mt Data.
LUZON: Mountain Province, Benguet. Primary mossy forests, 1200-2460m. Fl. Feb-Apr,
Sept-Oct.

Plectranthus rotundifolius (Poir.) Spreng., Syst. 2 (1825) 690; --H Keng, Fl. Males. ser. 1, 8
(1978) 388.
Native origin not certainly known. Cultivated in Madagascar, Sri Lanka, throughout
continental Asia, and Malesia: Sumatra, Peninsular Malaysia, Java, Philippines,
Moluccas.

Plectranthus scutellarioides (L.) R Br., Prod. (1810) 506; --H Keng, Fl. Males. i, 8 (1978) 389.
Coleus atropurpureus Benth. *in* Wall., Pl. As. Rar. 2 (1830-31) 16; --Merr., EPFP 3 (1923) 418.
Coleus acuminatus Benth., Linnaea 6 (1831) 81; --Merr., EPFP 3 (1923) 418.
Coleus blumei Benth., Lab. Gen. Sp. (1832) 56; --Merr., Fl. Manila (1912) 410; EPFP 3 (1923) 419.

Coleus multiflorus Benth., Lab. Gen. Sp. (1832) 55; --Merr., EPFP 3 (1923) 419.
Coleus pumilus Blanco, Fl. Filip. (1837) 482; --Merr., Fl. Manila (1912) 410; EPFP 3 (1923) 420.
Coleus igolotorum Briq., Ann. Cons. Jard. Bot. Genève 2 (1898) 236; --Merr., EPFP 3 (1923) 419.
Coleus macranthus Merr. var. *crispipilus* Merr., PJS 1 (1906) Suppl. 234.
Coleus pubescens Merr., PJS 3 c (1908) Bot. 432; EPFP 3 (1923) 420.
Coleus crispipilus Merr., PJS 5 c (1910) Bot. 382; EPFP 3 (1923) 419.
Coleus zschokkei Merr., PJS 5 c (1910) Bot. 382., EPFP 3 (1923) 320.
Coleus integrifolius Elmer, LPB 7 (1915) 2696; --Merr., EPFP 3 (1923) 419.

Plectranthus sparsiflorus (Elmer) H Keng, Fl. Males. I, 8 (1978) 391; --*Coleus sparsiflorus* Elmer, LPB 7 (1915) 2699; --Merr., EPFP 3 (1923) 420.
Coleus scutellarioides Elmer, LPB 7 (1915) 2697, *non* (L.) Benth. 1830
MINDANAO: Misamis, Lanao, Bukidnon, Davao, Agusan del Norte. Damp mossy forests, altitude 1000-1900m. Fl. Mar-Sept.

Pogostemon Desfontaines *nom. cons. prop.*

Pogostemon auricularius (L.) Hassk., Tijds. Nat. Gesch. Phys. 10 (1843) 127
(*'Pogonostemon'*); --H Keng, Gard. Bull. Sing. 24 (1969) 180; Fl. Males. ser. 1, 8 (1978) 356.
Dysophylla auricularia (L.) Blume, Bijdr. (1826) 826; --Merr., EPFP 3 (1923) 415.

Pogostemon cablin (Blanco) Benth. in DC, Prod. 12 (1848) 146; --Merr., Fl. Manila (1912) 411; EPFP 3 (1923) 414.
Pogostemon nepetoides Stapf, Kew Bull. (1908) 116; --Merr., PJS 7 c (1912) Bot. 347, *incl. var. glandulosus*; EPFP 3 (1923) 415.

Pogostemon heyneanus Benth., in Wall. Pl. As. Rar. 2 (1830-31) 16; --Merr., EPFP 3 (1923) 414; --H Keng, Gard. Bull. Sing. 24 (1969) 152; Fl. Males. ser. 1, 8 (1978) 353.
Sri Lanka and continental SE Asia, Sumatra, Peninsular Malaysia, W Java, Borneo (Sarawak; SE Borneo), Philippines. Possibly not native in Malesia. Also cultivated.
PALAWAN, PANAY, MINDANAO. Indig.

Pogostemon menthoides Blume, Bijdr. (1826) 825; --H Keng, Gard. Bull. Sing. 24 (1969) 156; Fl. Males. ser. 1, 8 (1978) 355.

Pogostemon philippinensis S Moore, J. Bot. 43 (1905) 146; --Merr., PJS 5 c (1910) Bot. 381; EPFP 3 (1923) 415; --H Keng, Gard. Bull. Sing. 24 (1969) 156; Fl. Males. ser. 1, 8 (1978) 156.
Pogostemon membranaceus Merr., PJS 7 c (1912) Bot. 347; EPFP 3 (1923) 414.
LUZON, MINDORO, PANAY. Damp ravines, alluvial forests, thickets, also in the mossy forest, ascending to c. 2400m. Fl. Aug-Mar.

Pogostemon reticulatus Merr., PJS 8 c (1912) Bot. 348; EPFP 3 (1923) 415; --H Keng, Gard. Bull. Sing. 24 (1969) 155; Fl. Males. ser. 1, 8 (1978) 355.
LUZON: Rizal. Low and medium altitude thickets and forests.

Pogostemon stellatus (Lour.) Kuntze, Rev. Gen. Pl. 2 (1891) 529 (*'stellatum'*); --H Keng, Fl. Males. ser. 1, 8 (1978) 352.

var. *stellatus*

Dysophylla verticillata (Roxb. *non* L.) Benth., in Wall. Pl. As. Rar. 1 (1830) 30, *nom. illeg.*, --Merr., EPFP 3 (1923) 416.

var. roxburghianus (H Keng) H Keng, Fl. Males. ser. 1, 8 (1978) 352.

Dysophylla quadrifolia (Roxb., *non* D Don) Benth. in Wall. Pl. As. Rar. 1 (1830) 30; --Merr., EPFP 3 (1923) 415.

Pogostemon velatus Benth. in DC. Prodr. 12 (1848) 155; --Merr., EPFP 3 (1923) 415; --H Keng, Gard. Bull. Sing. 24 (1969) 159; Fl. Males. ser. 1, 8 (1978) 355.

Pogostemon williamsii Elmer, LPB 9 (1934) 3197.

LUZON

Rosmarinus Linnaeus

Rosmarinus officinalis L.; --Merr., Fl. Manila (1912) 407; EPFP 3 (1923) 409; --H Keng, Fl. Males. ser. 1, 8 (1978) 393.

Native of the Mediterranean region. Cultivated in gardens for medicinal purposes.

Rosemary.

Salvia Linnaeus

Salvia coccinea Juss. ex Murr. in Comm. Goett. 1 (1778) 86, t. 1; --H Keng, Fl. Males. ser. 1, (1978) 359.

Native of tropical America, cultivated in the tropics and occasionally escaping from cultivation. Naturalized in RP.

Salvia plebeia R Br., Prod. (1810) 501; --Merr., EPFP 3 (1923) 413; --H Keng, Gard. Bull. Sing. 24 (1969) 162, Fig. 29 d-f; Fl. Males. ser. 1, 8 (1978) 358.

Salvia scapiformis Hance, J. Bot. 23 (1885) 368; --Merr., EPFP 3 (1923) 413 ('*scaphiformis*'); --H Keng, Gard. Bull. Sing. 24 (1969) 161, Fig. 29 g-i; Fl. Males. ser. 1, 8 (1978) 357.

China, Taiwan, Ryukyu Isls, N Philippines.

LUZON. On cliffs, mossy banks, boulders and in ravines along small streams, altitude 400-1500m. Fl. Mar-Sept.

Salvia splendens Sellow ex Nees in Weid-Nieuwied, Reise Bras. 2 (1821) 335.

Native of Brazil.

Satureja Linnaeus

Satureja umbrosa (Bieb.) Scheele, Flora 26 (1843) 577; --H Keng, Fl. Males. ser. 1, 8 (1978) 361.

Calamintha umbrosa (Bieb.) Reichb., Fl. Germ. Exc. 1 (1830) 329; --Merr. & Rolfe, PJS 3 c (1908) Bot. 123; --Merr., EPFP 3 (1923) 410, incl. var. *javanica* (Benth.) Boerl.

Scutellaria Linnaeus

Scutellaria indica L., Sp. Pl. (1753) 600. --Merr., EPFP 3 (1923) 409; --H Keng, Gard. Bull. Sing. 24 (1969) 167; Fl. Males. ser. 1, 8 (1978) 325.

Scutellaria copelandii Merr., PJS 7 c (1912) Bot. 349.

Scutellaria javanica Jungh., Java 1 (1853) 661; --H Keng, Gard. Bull. Sing. 24 (1969) 168; Fl. Males. ser. 1, 8 (1978) 325.

var. javanica

var. luzonica (Rolfe) H Keng, Gard. Bull. Sing. 24 (1969) 171; Fl. Males. ser. 1, 8 (1978) 326;
--Scutellaria luzonica Rolfe, J. Linn. Soc. Bot. 21 (1884) 315; --Merr., EPFP 3 (1923) 410. --Type:
Scutellaria marivelensis Elmer, LPB 2 (1908) 516. --Type:

var. russeliaefolia (Vatke) H Keng, Gard. Bull. Sing. 24 (1969) 172; Fl. Males. ser. 1, 8 (1978) 326;
--Scutellaria russeliaefolia Vatke, Bot. Zeit. 30 (1872) 716; --Merr., EPFP 3 (1923) 410. --Type:

var. sumatrana (Miq.) Back., Trop. Natuur 10 (1921) 37, Fig. 7; --H Keng, Gard. Bull. Sing. 24 (1969) 171; Fl. Males. ser. 1, 8 (1978) 326.

Cultivated:

Scutellaria splendens Link, Klotsch & Otto, Icon. Pl. Rar. Hort. Berol. 1 (1841) 31, t.13; --H Keng, Fl. Males. i, 8 (1978) 326.

Teucrium Linnaeus

Teucrium viscidum Blume, Bijdr. (1826) 827; --Merr., EPFP 3 (1923) 409; --H Keng, Fl. Males. ser. 1, 8 (1978) 318, Fig. 4.

Thymus

Thymus vulgaris L.,

Native of S Europe. Stated to be cultivated in the Philippines and in Java.