

Family 256. SOLANACEAE

Literature:

Backer, CA & RC Bakhuizen van den Brink. 1965. Flora of Java 2: 464-483.

Symon, DE. 1985. *The Solanaceae of New Guinea*. Journal of the Adelaide Botanic Garden 8: 1-171.

Brugmansia Persoon

Brugmansia suaveolens (Willd.) Bercht. & Presl, Prir. Rostl. 1 (Solanac.) (1823) 45; --Datura suaveolens Humb. & Bonpl. ex Willd., Enum. Hort. Berol. (1809) 227.

Native of South America, widely cultivated.

Brunfelsia Plumier

Brunfelsia acuminata (Pohl) Benth. in DC, Prodr. 10 (1846) 199; --Merr., Fl. Manila (1912) 414; EPFP 3 (1923) 431.

Native of tropical America. In the Philippines, occasionally cultivated for ornamental purposes but nowhere spontaneous.

Brunfelsia americana L., Sp. Pl. (1753) 191; --Merr., Fl. Manila (1912) 431; EPFP 3 (1923) 431.

As the preceding.

Capsicum Linnaeus

Capsicum annum L., Sp. Pl. (1753) 188; --Merr., Fl. Manila (1912) 418; EPFP 3 (1923) 423; --D'Arcy & CI Peng, Fl. Taiwan 2nd ed., 4 (1998) 550.

Capsicum grossum L., Mant. 1 (1767) 47.

Native of tropical America, cultivated and naturalized in various forms or varieties for its edible fruits, but nowhere spontaneous.

Capsicum frutescens L., Sp. Pl. (1753) 271; --Merr., Fl. Manila (1912) 418; EPFP 3 (1923) 424.

Native of tropical America, now pantropically distributed.

Throughout the Philippines, usually planted in and around settlements, but also escaping.

Cestrum Linnaeus

Cestrum nocturnum L., Sp. Pl. (1753) 191; --Merr., Fl. Manila (1912) 414; EPFP 3 (1923) 430.

Introduced from tropical America. Widely cultivated in the Philippines for its flowers, which are very fragrant at night.

Datura Linnaeus

Datura metel L., Sp. Pl. (1753) 179; --Merr., EPFP 3 (1923) 430; --D'Arcy & CI Peng, Fl. Taiwan 2nd ed., 4 (1998) 552, PL. 251.

Probably a native of tropical America but long naturalized in tropical Asia. Now pantropically distributed.

Open waste places in and about settlements, sometimes planted (the double-flowered form).

Lycianthes (Dunal) Hassler

Lycianthes banahaensis (Elmer) Bitter, Abh. Naturwiss. Vereine Bremen. 24 (1920) 509; --
Solanum banahaense Elmer, LPB 1 (1908) 341; --Merr., EPFP 3 (1923) 425. --Type: Elmer 7492
(L*, NY*, US*, iso). Luzon: Quezon prov., Lucban, forest understory, altitude 900m, May 1906.
LUZON: Quezon (Lucban). Forested ravines along streams, altitude c. 900m.

Lycianthes biflora (Lour.) Bitter, Abh. Naturwiss. Vereine Bremen. 24 (1920) 461.
Solanum biflorum Lour., Fl. Cochinch. (1790) 129; --Merr., EPFP 3 (1923) 425.
Solanum mindanaense Elmer, LPB 8 (1915) 2832.
India (Sikkim), S China, Taiwan, Japan, across Malesia to Papua New Guinea.
BATANES, LUZON: Benguet, Rizal, Laguna, Sorsogon, CATANDUANES, PALAWAN,
MINDANAO: Zamboanga, Misamis, Lanao del Sur, Agusan del Norte. Ravines in
forested ridges, and in thickets, altitude 600-2000m. Variable.

Lycianthes lagunensis (Elmer) Bitter, Abh. Naturwiss. Vereine Bremen. 24 (1920) 511; --Solanum
lagunense Elmer, LPB 1 (1908) 341; --Merr., EPFP 3 (1923) 426. --Type:
Lycianthes anisophylla (Elmer) Bitter, Abh. Naturwiss. Vereine Bremen. 24 (1920) 512; --Solanum
anisophyllum Elmer, LPB 8 (1915) 2830, *non* Van Heurck & Muell.-Arg. (1870). --Type: Elmer
13887 (BISH*, L*, NY*, US*). Mindanao: Agusan del Norte prov., Cabadbaran, Mt Urdaneta [=Mt
Hilong-hilong], among boulders along streamlet near Catangan River, altitude 3000ft, Sept 1912.
Lycianthes anisophylla (Elmer) Bitter var. masbatensis Bitter, Abh. Naturwiss. Vereine Bremen. 24 (1920)
513. --Type: Merrill 3046 (NY*, US*, iso). Masbate, Aug 1903.
LUZON: Ilocos Norte, Abra, Cagayan, Nueva Vizcaya, Laguna, Quezon, Sorsogon,
MINDORO, MABATE, LEYTE, SAMAR, MINDANAO: Zamboanga, Davao, Agusan,
Surigao, SIARGAO.

Lycianthes levis (Dun.) Bitter, Abh. Naturwiss. Vereine Bremen. 24 (1920) 484.
var. glabratula Bitter, Abh. Naturwiss. Vereine Bremen. 24 (1920) 488.
Lycianthes schizocalyx (Merr.) Bitter, Abh. Naturwiss. Vereine Bremen. 24 (1920) 471; --Solanum
schizocalyx Merr., PJS 5 c (1910) Bot. 383; EPFP 3 (1923) 428. --Type:
As *S. schizocalyx*: LUZON: Benguet. Damp ravines and in the mossy forest, altitude
1300-2400m.

ssp. luzonensis Bitter, Abh. Naturwiss. Vereine Bremen. 24 (1920) 489.
Solanum crassipetalum Wall. in Roxb., Fl. Ind. 2 (1824) 256; --Merr., EPFP 3 (1923) 425.
India, N Philippines.
LUZON: Mountain Province, Benguet. Thickets on the summit of higher mountains,
altitude c. 2200m.

Lycianthes parasitica Bitter, Abh. Naturwiss. Vereine Bremen. 24 (1920) 504.
var. angatii (Elmer) xxx
Solanum angatii Elmer, LPB 2 (1910) 731; --Merr., EPFP 3 (1923) 424. --Type: Elmer 10762.
As *S. angatii*: MINDANAO: Davao. Epiphytic in damp forests, altitude c. 1100m.

Unplaced taxa:

Lycianthes sp.

Solanum manucaling Elmer, LPB 2 (1910) 732; --Merr., EPFP 3 (1923) 427.
MINDANAO: Agusan del Norte, Davao. Mossy forests, altitude c. 1200m. Allied to

Solanum lagunense Elmer, but scandent.

Lysianthes sp.

Solanum epiphyticum Merr., PJS 7 c (1912) Bot. 350; EPFP 3 (1923) 426. --Type:

Solanum parasiticum Merr., PJS 2 c (1907) 299. --Type:

N LUZON (Cagayan) to BALABAC and MINDANAO, in most islands and provinces, epiphytic in damp primary forests at low and medium altitudes.

Lycopersicum Miller =Solanum

Nicotiana Linnaeus

Nicotiana tabacum L., Sp. Pl. (1753) 180; --Merr., Fl. Manila (1912) 415; EPFP 3 (1923) 430.

Native of tropical America, now planted in all warm countries. Cultivated throughout the Philippines, in some provinces (e.g. Ilocos provinces, Isabela) as a major cash crop.

Tobacco.

Physalis Linnaeus

Physalis angulata L., Sp. Pl. (1753) 183; --Merr., Fl. Manila (1912) 419; EPFP 3 (1923) 423; --D'Arcy & CI Peng, Fl. Taiwan 2nd ed., 4 (1998) 560, pl. 255, photo 298.

Native of tropical America, now widely distributed in tropical and temperate regions.

N LUZON to MINDANAO. Widely scattered in open waste places in and near settlements.

Physalis lanceifolia Nees, Linnaea 6 (1831) 473; --Merr., EPFP 3 (1923) 423.

Introduced from Mexico, also occurring in the Marianas.

LUZON: Pangasinan, Pampanga, Zambales, Bulacan, Rizal, Batangas, MINDORO, CATANDUANES, PANAY, NEGROS, MINDANAO: Zamboanga, Cotabato. Lowlands, open waste places in and about towns.

Physalis minima L., Sp. Pl. (1753) 183; --Merr., Fl. Manila (1912) 419; EPFP 3 (1923) 423.

Pantropic.

BABUYAN ISLS and N LUZON to PALAWAN and MINDANAO. Common weed in open waste places at low altitudes, ascending to 1600m.

Physalis peruviana L. Sp. Pl. ed. 2 (1763) 1670; --Merr., EPFP 3 (1923) 423; --D'Arcy & CI Peng, Fl. Taiwan 2nd ed., 4 (1998) 562.

Native of tropical America.

LUZON: Mountain Province, Benguet. Weed in temperate vegetable gardens and open waste places, up to 2200m.

Solanum Linnaeus

Solanum americanum Mill., Gard. Dict. ed. 8, (1768) No. 5; --Edmonds, Kew Bull. 27 (1972) 103; --Symon, J. Adelaide Bot. Gard. 4 (1981) 37.

Solanum nigrum auctt., Merr., Fl. Manila (1912) 416; EPFP 3 (1923) 427, non L. (1753).
Possibly a native of South America. Widespread in the tropics. Part of the *Solanum nigrum* complex (sect. *Solanum* (*Maurella*)). Throughout the Philippines in open waste places, recently disturbed soil, etc., altitude 0-2000m.

Solanum athroanthum Dunal in DC, Prodr. 13¹ (1852) 208; --Merr., Fl. Manila (1912) 417; EPFP 3 (1923) 425.

Introduced from Java.

LUZON: Manila. In hedges about houses. Rare.

Solanum cumingii Dunal in DC, Prodr. 13¹ (1852) 363; --Merr., Fl. Manila (1912) 416; EPFP 3 (1923) 425. --Type:

Throughout the Philippines. Low and medium altitude waste places.

Solanum cyanocarphium Blume, Bijdr. (1825) 700; --Merr., EPFP 4 (1925) 247.

Solanum sparsiflorum Elmer, LPB 5 (1913) 1836; --Merr., EPFP 3 (1923) 428. --Type: Elmer 13157 (BISH*, NY*, iso). Palawan: Puerto Princesa, along the trail to Napuan, on sticky soil in thickets bordering dense forest, altitude 500-750ft, May 1911.

Peninsular Malaysia to Java, Borneo and the Philippines.

PALAWAN, MINDANAO: Zamboanga. Thickets near lowland forests, altitude 150-230m.

Solanum diphyllum L., Sp. Pl. (1753) 184; --Merr., EPFP 3 (1923) 425.

Native of Mexico and Central America.

LUZON: Manila, based on *Merrill 8498*. Lowland waste places.

Solanum erianthum D Don, Prodr. Fl. Nepal. (1825) 96; --Roe, Taxon 17 (1968) 176-178; --Symon, J. Adelaide Bot. Gard. 4 (1981) 93; --Hepper, Rev. Handb. Fl. Ceylon 6 (1987) 370.

Solanum verbascifolium auctt., --Merr., Fl. Manila (1912) 416; EPFP 3 (1923) 429, *pro parte*; --Backer & Bakh. f., Fl. Java 2 (1965) 471, *non* L. (1753).

Originally from South America, now widespread in tropical Asia and Oceania.

Throughout the Philippines. Low and medium altitude thickets and secondary forests.

Solanum inaequilaterale Merr., PJS 1 (1906) Suppl. 236; EPFP 3 (1923) 426. --Type:

LUZON: Abra, Mountain Province, Benguet, MINDANAO: Lanao. Montane thickets, chiefly in or near mossy cloud forests, altitude 1300-2400m.

Solanum lasiocarpum Dunal, Hist. Nat. Solanum (1813) 222; --D'Arcy & Cl Peng, Fl. Taiwan 2nd ed., 4 (1998) 567, photo 300.

Solanum ferox auctt. *non* L.; --Merr., EPFP 3 (1923) 426.

Tropical India east through Indochina, extreme southern China, across Malesia to New Guinea.

Throughout the Philippines. Generally low to medium altitudes, ascending to 2000m.

Disturbed sites such as forest clearings, second-growth thickets, roadsides and wastelands.

Solanum lianoides Elmer, LPB 2 (1910) 733; --Merr., EPFP 3 (1923) 427. --Type:

SIBUYAN (Mt Giting-giting), MINDANAO: Zamboanga, Davao. Low and medium altitude forests, ascending to 1100m.

Solanum luzoniense Merr., PJS 13 c (1918) Bot. 58; EPFP 3 (1923) 427; --D'Arcy & Cl Peng, Fl. Taiwan 2nd ed., 4 (1998) 567, pl. 257. --Type:

Solanum luzoniense Merr. var. *glabrum* Merr., PJS 13 c (1918) Bot. 59; EPFP 3 (1923) 427. --Type: Merrill 4237 (US*, iso). Luzon: Bulacan prov., Calumpit, Sept 1905.

Lanyu, Philippines.

LUZON: Ilocos Norte, Pangasinan, Mountain Province, Cagayan, Isabela, Nueva Ecija, Zambales, Tarlac, Bulacan, Laguna, PANAY. Lowland thickets and waste places.

Solanum lycopersicum L., Sp. Pl. (1753) 185.

Lycopersicon esculentum Mill., Gard. Dict. ed. 8, (1768) No. 2; --Merr., Fl. Manila (1912) 418; EPFP 3 (1923) 429.

Distributed worldwide, but is really known only from cultivation, specimens collected from natural habitats are, in our opinion, feral escapes and not truly wild populations. Tomato; kamatis.

Solanum macaonense Dunal in DC, Prodr. 13(1) (1852) 264; --D'Arcy & Cl Peng, Fl. Taiwan 2nd ed., 4 (1998) 569, pl. 258.

Sri Lanka, S China, Taiwan, Philippines.

Solanum mammosum L., Sp. Pl. (1753) 187; --Merr., EPFP 3 (1923) 427.

Introduced from tropical America. LEYTE, JOLO, MINDANAO: Zamboanga. Lowlands, in thickets and waste places.

Solanum mauritanum Scop., Delic. Fl. et Faunae Insubr. 3 (1788) 16, t. 8; --Hepper, Rev. Handb. Fl. Ceylon 6 (1987) 369.

Solanum verbascifolium *auctt.*, --Merr., Fl. Manila (1912) 416; EPFP 3 (1923) 429, *pro parte, non* L. (1753). Native of Argentina and introduced into Mauritius (from where it was described), and many tropical countries.

Solanum melongena L., Sp. Pl. (1753) 186; --Merr., Fl. Manila (1912) 416; EPFP 3 (1923) 427.

Cultivated in all warm countries. Cultivated throughout the Philippines for its edible fruit, but nowhere spontaneous. Eggplant; talong.

Solanum pseudocapsicum L., Sp. Pl. (1753) 184; --D'Arcy & Cl Peng, Fl. Taiwan 2nd ed., 4 (1998) 575.

Native to Central and South America. Widely cultivated in tropical and subtropical areas worldwide, often escaping.

Solanum retrorsum Elmer, LPB 1 (1908) 342; --Merr., EPFP 3 (1923) 428. --Type:

LUZON: Benguet (Baguio; La Trinidad), Nueva Vizcaya (Caraballo Mtns), Quezon, MINDORO. In thickets, altitude 1000-1600m.

Solanum spirale Roxb., Hort. Beng. 16 (1814) 16, *nomen*; Fl. Ind. ed. Carey & Wall. 2 (1824) 247.

Solanum apoense Elmer, LPB 2 (1910) 730; --Merr., EPFP 3 (1923) 425. --Type: Elmer 11599.

Old World tropics from India, S China, SE Asia to tropical Australia (Queensland).

MINDANAO: Bukidnon, Davao. Damp forested ravines, altitude c. 1500m.

Solanum torvum Sw., Prodr. (1788) 47; --Merr., Fl. Manila (1912) 417; EPFP 3 (1923) 428; --D'Arcy & Cl Peng, Fl. Taiwan 2nd ed., 4 (1998) 576, pl. 262, Photo 304.

Native of the Caribbean, now pantropic.

Throughout the Philippines. Low and medium altitudes, in open waste places.

Solanum tuberosum L., Sp. Pl. (1753) 185; --Merr., EPFP 3 (1923) 428.

Native of tropical America. In the Philippines cultivated at higher altitudes, especially the Cordillera highlands of N LUZON. Potato; patatas.

Solanum violaceum Ortega, Nov. Pl. Desc. Dec. (1798) 56; --D'Arcy & C.I. Peng in Fl. Taiwan ed. 2, 4 (1998) 578.

Solanum indicum auct. *non* L., Sp. Pl. (1753) 187; --Merr., EPFP 3 (1923) 426.

Widespread in tropical Asia.

BATANES (BATAN, IBUHOS), BABUYAN ISLS (DALUPIRI), LUZON: Manila,
MINDANAO: Cotabato (Buayan), Davao.

Tubocapsicum Makino

Tubocapsicum anomalum (Franch. & Sav.) Makino, Bot. Mag. (Tokyo) 22 (1908) 19; --D'Arcy & C.I. Peng in Fl. Taiwan ed. 2, 4 (1998) 580, pl. 264, photo 306; --*Capsicum anomalum* Franch. & Sav., Enum. Pl. Jap. 2 (1879) 452; --Merr., EPFP 3 (1923) 424.

Korea, Japan, Ryukyu Isls, Quelpaert, Taiwan, S China, Thailand, Indonesia,
Philippines.

LUZON: Benguet, Laguna, PALAWAN, MINDANAO: Zamboanga. In Benguet in mossy
montane forests, altitude 1800-2200m. In other regions along streams in shaded ravines
at low and medium altitude.