

## Family 107. CAPPAR(ID)ACEAE

### Revision:

Jacobs, M. 1960. *Capparidaceae*. Flora Malesiana series 1, 6: 61-105.

### 1. *Capparis* Linnaeus

***Capparis calophylla*** Blume, Bijdr. 2 (1825) 53; --Jacobs, Fl. Males. ser. 1, 6 (1960) 81.

*Capparis tylophylla* Spreng., Syst. Nat. 4 (1827) 204; --Merr., EPFP 2 (1923) 213. --Type:

*Capparis cumingii* Merr., PJS 3 c (1908) Bot. 101. --Type:

*Capparis turczaninowii* Elmer, LPB 5 (1913) 1755. --Type:

*Capparis mucronata* Elmer, LPB 5 (1913) 1757. --Type:

Taiwan (a distinct variety there), Sumatra (Palembang), W Java, Madura, Borneo (Sabah), Philippines, Sulawesi.

LUZON: Ilocos Norte, Ilocos Sur, Nueva Ecija, Bataan, Rizal, MINDORO, PALAWAN, BOHOL, MINDANAO. Low altitude dry thickets, secondary forests, sometimes on limestone-derived soil, to about 700m altitudes.

***Capparis cantoniensis*** Lour., Fl. Coch. (1790) 331; --Jacobs, Fl. Males. ser. 1, 6 (1960) 76.

India (Sikkim, Khasia and Assam), Andaman Isls, Burma, S China, Hainan, C Sumatra, Java, Lesser Sunda Isls (Bali, Lombok), Philippines, Sulawesi, Moluccas (Sula Isls: Mangoli, Buru).

MINDANAO. Forest and forest edges, frequently in shade, seems to prefer moist places.

***Capparis floribunda*** Wight, Ill. Ind. Bot. 1 (1840) 35, t. 14; --Jacobs, Fl. Males. ser. 1, 6 (1960) 78.

#### **forma floribunda**

*Capparis luzonensis* Turcz., Bull. Soc. Nat. Moscou 27<sup>2</sup> (1854) 324. --Type:

*Capparis luzonensis* var. *ampla* Merr., EPFP 2 (1923) 212. --Type:

*Crateva octandra* Blanco, Fl. Filip. (1837) 400, ed. 2 (1845) 280, ed. 3, 2 (1878) 155, *non* *Capparis octandra* Jacq.

India (Deccan), Sri Lanka, Andaman Isls, Peninsular Thailand, Indochina (C Vietnam), Taiwan, Kangean Archipelago, Philippines, Moluccas (Halmahera, Tidore, Sula Isls, W Seram, Kai Isls).

BABUYAN ISLS, LUZON: Ilocos Norte, Ilocos Sur, Benguet, Cagayan, Isabel, Rizal, Quezon, DEBANGAN IS (near Palawan). Low and medium altitude dry thickets and forests, on rocky sites, sometimes on coastal vegetation.

***Capparis lanceolaris*** DC, Prodr. 1 (1824) 248; --Jacobs, Fl. Males. ser. 1, 6 (1960) 77.

*Capparis copelandii* Elmer, LPB 2 (1910) 680; --Merr., EPFP 2 (1923) 210. --Type:

*Capparis oblongata* Merr., Govt. Lab. Publ. (Philipp.) 35 (1906) 15; EPFP 2 (1923) 212. --Type:

*Capparis viridis* Elmer, LPB 8 (1919) 3076. --Type:

C & E Java, Madura, Lesser Sunda Isls (Timor, Damar, Jamdena), Philippines, Sulawesi, Moluucas (Seram, Nusa Laut), New Guinea, New Ireland. Throughout the Philippines except Palawan.

***Capparis lobbiana*** Turcz., Bull. Soc. Nat. Moscou 27, 2 (1854) 323; --Merr., EPFP 2 (1923) 211;

--Jacobs, Fl. Males. ser. 1, 6 (1960) 79, Fig. 13. --Type: Lobb 467 (L\*, MO\*, iso). Philippines. No specified locality; locality in isotype sheets labeled (erroneously) as from Java.

*Capparis ilocana* Merr., PJS 13 c (1918) Bot. 13; EPFP 2 (1923) 211. --Type: BS 27120 Ramos.

*Capparis littoralis* Merr., PJS 7 c (1912) Bot. 270; EPFP 2 (1923) 211. --Type: FB 11111 Curran.

*Capparis loheri* Merr., PJS 7 c (1912) Bot. 270; EPFP 2 (1923) 211. --Type:

*Capparis palawanensis* Merr., PJS 10 c (1915) Bot. 304; EPFP 2 (1923) 212. --Type:

LUZON: Ilocos Norte, Rizal, Quezon, PALAWAN. Dry rocky sites, coastal and bamboo thickets, also in primary forests, up to 600m.

**Capparis micracantha** DC, Prodr. 1 (1824) 247; --Merr., Fl. Manila (1912) 215; EPFP 2 (1923) 212; --Jacobs, Fl. Males. ser. 1, 6 (1960) 85.

*Capparis venosa* Merr., PJS 10 c (1915) Bot. 305; EPFP 2 (1923) 213. --Type:

**var. micracantha**

Andaman Isls, Burma, Thailand, Indochina, S China, Taiwan (a distinct variety there), S Sumatra, Peninsular Malaysia, Java, Madura, Kangean Archipelago, Borneo (Sabah), Philippines, Sulawesi, Lesser Sunda Isls (Bali, Lombok, E & W Sumbawa, W Flores, Komodo, Alor, Timor, Wetar), Moluccas (Halmaheira).

N LUZON to MINDANAO. Thickets, second-growth forests, etc. at low and medium altitudes; common.

**Capparis pubiflora** DC, Prodr. 1 (1824) 246; --Jacobs, Fl. Males. ser. 1, 6 (1960) 82, Fig. 16-17.

*Capparis cerasifolia* A Gray, Bot. Wilkes US Explor. Exped. (1854) 71; --Merr., EPFP 2 (1923) 210. --Type:

*Capparis lasiopoda* Turcz., Bull. Soc. Nat. Moscou 27, 2 (1854) 323. --Type:

Thailand, Indochina, Hainan, C & S Sumatra, Peninsular Malaysia, Java, Madura, N Borneo, Philippines, Sulawesi, Lesser Sunda Isls (Bali, Lombok, E Sumbawa, Timor), Moluccas (Seram, Ambon, Halmaheira), W New Guinea (Bird Head Peninsula).

LUZON: Ilocos Norte, La Union, Cagayan, PALAWAN, SULU ARCHIPELAGO, MINDANAO: Zamboanga, Lanao, Davao, Agusan, Surigao, PUJADA. Low altitude thickets.

**Capparis sepiaria** L., Syst. ed. 10 (1759) 1071; --Merr., Fl. Manila (1912) 215; EPFP 2 (1923) 212;

--Jacobs, Fl. Males. ser. 1, 6 (1960) 79.

*Capparis affinis* Merr., PJS 10 c (1915) Bot. 303; EPFP 2 (1923) 210. --Type:

*Capparis emarginata* C Presl, Rel. Haenk. 2 (1835) 85; --Merr., EPFP 2 (1923) 211. --Type:

Sri Lanka, India (Deccan, Sind, Punjab), SW Burma, Andaman Isls, Thailand, Indochina, S China (Guangdong), Peninsular Malaysia, Borneo (Sabah), Java, Madura, Kangean Archipelago, Lesser Sunda Isls (Bali, Nusa Penida, Sumbawa, Alor, Timor, Leti, Babar, Wetar), Philippines, Sulawesi, Moluccas (Halmaheira, Buru, Ambon, Kai Isls), New Guinea (S Papua), Australia (Arnhem Land, Queenslans, New South Wales to 32° N Lat.

BABUYAN ISLS and N LUZON to PALAWAN, MINDANAO and SULU ARCHIPELAGO. Dry lowland or coastal thickets, bound to seasonal climatic conditions. Deciduous when fruiting.

**Capparis spinosa** L., Sp. Pl. (1753) 503.

**var. mariana** (Jacq.) K Schum., Bot. Jahrb. 9 (1888) 201; --Jacobs, Fl. Males. ser. 1, 6 (1960) 89, Fig. 23-24.

*Capparis cordifolia* Lam., Encycl. 1 (1785) 609; --Merr., Fl. Manila (1912) 216; EPFP 2 (1923) 210. --Type:

Introduced from the Marianas. Scattered all over the Pacific, Australia (once collected). LUZON (occasionally cultivated in Manila), BOHOL (spontaneous along the seashore).

**Capparis zeylanica** L., Sp. Pl. ed. 2 (1762) 720; --Jacobs, Fl. Males. ser. 1, 6 (1960) 87, Fig. 5.

*Capparis horrida* L.f., Suppl. (1781) 264; --Merr., Fl. Manila (1912) 215; EPFP 2 (1923) 211. --Type:

Sri Lanka, E half of India S of the Himalayas, Andaman Isls, Burma, Thailand, Indochina, Hainan, E Java, Lesser Sunda Isls (Lombok, Sumbawa, Semau, Timor), Sulawesi, Philippines.

LUZON, MINDORO, SULU ARCHIPELAGO, MINDANAO. Low and medium altitude dry thickets, altitude up to 700m.

Incompletely known:

**Capparis longipes** Merr., PJS 13 c (1918) Bot. 12; EPFP 2 (1923) 211. --Type: BS 26980 Ramos

(US\*, iso). Luzon: Abra prov., Mt Posuey, Feb. 1917.  
Holotype destroyed in 1945, and extant isotypes are sterile. Possibly a deviant *C. pubiflora* according to Jacobs.

## 2. *Cleome* Linnaeus

***Cleome gynandra* L.**, Sp. Pl. (1753) 671; --Jacobs, Fl. Males. ser. 1, 6 (1960) 101.  
*Gynandropsis gynandra* (L.) Briq., Ann. Cons. Jard. Bot. Genève 17 (1914) 382; --Merr., EPFP 2 (1923) 209.  
*Gynandropsis pentaphylla* DC, Prodr. 1 (1824) 238; --Merr., Fl. Manila (1912) 216.  
Sri Lanka and India, throughout SE and E Asia to as far north as Beijing. Throughout Malesia and the Philippines. Widely introduced in the Neotropics. A common roadside and rice field weed, from the lowlands up to c. 500m.

***Cleome rutidosperma* DC**, Prodr. 1 (1824) 241; --Jacobs, Fl. Males. ser. 1, 6 (1960) 103, Fig. 30, 33b.  
Native in W tropical Africa. First recorded in Malesia around 1920 (in Manila around 1948). Now a very common lowland weed along roadsides, waste places, etc.

***Cleome speciosa* Raf.**, Fl. Ludovic. (1817) 86; --Jacobs, Fl. Males. ser. 1, 6 (1960) 101  
*Gynandropsis speciosa* (Humb., Bonpl. & Kunth,) DC, Prodr. 1 (1824) 238; --Merr., EPFP 2 (1923) 209.  
Native of the Neotropics, now pantropic. Cultivated as an ornamental in SE Asia.  
LUZON: La Union, Manila, Cavite, LEYTE. Occasionally escaping.

***Cleome spinosa* Jacq.**, Enum. Pl. Carib. (1760) 26; Merr., EPFP 2 (1923) 208; --Jacobs, Fl. Males. ser. 1, 6 (1960) 102.  
Native of the Neotropics, occasionally cultivated in the tropical and temperate zones. In the Philippines thoroughly naturalized and very abundant along streams in Benguet.

***Cleome viscosa* L.**, Sp. Pl. (1753) 672; --Jacobs, Fl. Males. ser. 1, 6 (1960) 103, Fig. 32c-d.  
*Polanisia viscosa* (L.) DC, Prodr. 1 (1824) 242; --Merr., Fl. Manila (1912) 216.  
*Polanisia icosandra* (L.) Wight & Arn., Prodr. (1834) 22; --Merr., EPFP 2 (1923) 209; --*Cleome icosandra* L., Sp. Pl. 2 (1753) 672.  
Native in the Old World, from tropical Africa and S Arabia to tropical Australia. Common throughout Malesia. Adventive in the Neotropics. A very common weed along roadsides, wastelands, rice fields, etc. at low and medium altitudes.

## 3. *Crateva* Linnaeus [*sphalm.* 'Crataeva']

***Crateva odora* Ham.**, Trans. Linn. Soc. 15 (1827) 118.  
**forma axillaris** (C Presl) Jacobs, Fl. Males. ser. 1, 6 (1960) 66, Fig. 2b, 3.  
India, Sri Lanka, Burma, Indochina, S China, Hainan, Taiwan, Peninsular Malaysia (cult.), Java (cult.), Philippines, E & W Java (cultivated), Madura, Kangean Archipelago, Lesser Sunda Isls (Sumbawa). LUZON: most provinces, MINDORO, N PALAWAN, GUIMARAS, MINDANAO.

***Crateva religiosa* G Forst.**, Prodr. Fl. Austr. (1786) 35; --Merr., EPFP 2 (1923) 210; --Jacobs, Fl. Males. ser. 1, 6 (1960)  
India (E Himalaya), Burma, Peninsular Thailand, Indochina, Ryukyu Isls, Micronesia (Marianas and the Carolines), Melanesia (Solomon Isls), Polynesia (Fiji, Samoa, Society Isls, Gambier Isls), Sumatra, Riouw Archipelago, Peninsular Malaysia, W Java, Borneo, Philippines, Sulawesi (also Kabaena & Muna Is), Moluccas (Talaud, Sula, Buru, E Seram, Ambon, Kai, Aru, Tinambar), New Guinea, New Ireland.  
PALAWAN, SULU ARCHIPELAGO.

#### 4. *Styxis* Loureiro

***Styxis philippinensis*** (Turcz.) Merr., Govt. Lab. Publ. (Philipp.) 35 (1906) 72; EPFP 2 (1923) 213;  
--Jacobs, Fl. Males. ser. 1, 6 (1960) 97; --*Roydsia philippinensis* Turcz., Bull. Soc. Nat. Moscou 27,  
2 (1854) 329. --Type:

LUZON: Bataan, Laguna, BASILAN, MINDANAO: Cotabato, Davao, Surigao. Low and medium altitude forests. Fl. Jan-Dec, fr. Mar-Apr.