

Family 228. UMBELLIFERAE

Revision:

Buwalda, P. 1949. *Umbelliferae*. Flora Malesiana series 1, 4: 113-140; idem. 5 (1958) 555-557; idem. 6 (1972) 983-984; idem. 7 (19xx) 830-xx

1. *Apium* Linnaeus

1. *Apium graveolens* L., Sp. Pl. (1753) 264; --Buwalda, Fl. Males. ser. 1, 4 (1949) 131.

Indigenous in temperate parts of Europe, Africa and Asia, also in S America, cultivated elsewhere. Celery.

2. *Apium leptophyllum* (Pers.) F. Muell. ex Benth., Fl. Austr. 3 (1866) 372; --Buwalda, Fl. Males. ser. 1, 9 (1982) 569b

Apium tenuifolium (Moench) Thell. in Hegi, Illust. Fl. Mitteleur. 5, 2 (1926) 1140; --Buwalda, Fl. Males. ser. 1, 4 (1949) 131.

S hemisphere, introduced in various countries: Europe, India, Taiwan, Pacific Isls (Hawaii; Fiji). Java, Philippines, Papua New Guinea. LUZON: Benguet.

3. *Centella* Linnaeus

1. *Centella asiatica* (L.) Urban in Mart., Fl. Brasil. 111 (1879) 287; --Merr., Fl. Manila (1912) 360; EPFP 3 (1923) 238; --Buwalda, Fl. Males. ser. 1, 4 (1949) 116, Fig. 1c.

Pantropic. All over Malesia. Sunny or slightly shaded, fertile, damp sites, along streambanks, also between stones of pathways and alongside walls.

4. *Coriandrum* Linnaeus*

1. *Coriandrum sativum* L., Sp. Pl. (1753) 256; --Buwalda, Fl. Males. ser. 1, 4 (1949) 127.

Indigenous from Mediterranean region to C Asia; cultivated in nearly all parts of the world. Coriander.

5. *Daucus* Linnaeus*

1. *Daucus carota* L., Sp. Pl. (1753) 242; --Buwalda, Fl. Males. ser. 1, 4 (1949) 140.

Spontaneous in Europe, N Africa, and temperate Asia, cultivated in all parts of the world. Carrot.

6. *Foeniculum* Linnaeus*

1. *Foeniculum vulgare* Miller, Gard. Dict. ed. 8 (1768); Gaertn., Fruct. 1 (1788) 105, t. 23, Fig. 5; --Merr., Fl. Manila (1912) 359; EPFP 3 (1923) 239; --Buwalda, Fl. Males. ser. 1, 4 (1949) 136.

Indigenous in the Mediterranean region, cultivated in nearly all parts of the world.

7. *Hydrocotyle* Linnaeus

1. *Hydrocotyle javanica* Thunb., Diss. Hydrocot. (1798) No. 17, t. 2; --Merr., EPFP 3 (1923) 237; --

Buwalda, Fl. Males. ser. 1, 4 (1949) 115.

SE and E Asia to the Solomon Isls, Australia, Tasmania, and in tropical Africa.
Throughout Malesia except Lesser Sunda Isls, Madura and the Kangean Isls.

2. Hydrocotyle sibthorpioides Lam., Encycl. 3 (1789) 153; --Merr., EPFP 3 (1923) 237; --

Buwalda, Fl. Males. ser. 1, 4 (1949) 115, Fig. 1a-b.

Hydrocotyle benguensis Elmer, LPB 2 (1909) 628; --Merr., EPFP 3 (1923) 237.

Hydrocotyle delicata Elmer, LPB 2 (1909) 629; --Merr., EPFP 3 (1923) 237.

Australia, tropical Asia, tropical Africa, S America (?). Throughout Malesia.

8. *Oenanthe* Linnaeus

1. *Oenanthe javanica* DC, Prodr. 4 (1830) 138; Sp. Pl. (1753) 256; --Buwalda, Fl. Males. ser. 1, 4 (1949) 136.

Oenanthe laciniata (Blume) Zoll., Syst. Verzeich. Ind. Archipel. (1854) 139; --Merr., EPFP 3 (1923) 239.

Japan, Taiwan, E and SE Asia, throughout Malesia, Australia (Queensland).

9. *Petroselinum* Hill*

1. *Petroselinum crispum* (Mill.) Nyman *ex auctt.* Kew *in* Handlist Herb. Pl. Kew ed. 3 (1925) 122; --Buwalda, Fl. Males. ser. 1, 4 (1949) 132

Petroselinum vulgare Hill, Brit. Herb. (1756) 424, icon. P. 60

Carum petroselinum Benth. & JD Hook. Gen. Pl. 1 (1867) 891

Indigenous in S Europe and N Africa, cultivated and subsponaneous elsewhere.

Parsley.

10. *Peucedanum* Linnaeus

1. *Peucedanum japonicum* Thunb., Fl. Jap. (1784) 117; --Hatusima, Mem. Fac. Agr. Kagoshima Univ. 5 (1966) 42; --Buwalda, Fl. Males. ser. 1, 4 (1949) 140, Fig. 11.

Japan to Taiwan and N Philippines. BATANES: SABTAN. Crevices of cliffs along the seashore.

11. *Pimpinella* Linnaeus

1. *Pimpinella ascendens* Dalz. *in* Hook., J. Bot. ^ Kew Gard. Misc. 2 (1850) 261; --Buwalda, Fl. Males. ser. 1, 4 (1949) 135.

Pimpinella pinetorum Merr., PJS 29 (1926) 482. --Type:

India, Philippines. LUZON: Benguet (Mt Pulag). Along trails in pine forest, altitude c. 2000m. Locally rather abundant.

12. *Sanicula* Linnaeus

1. *Sanicula europaea* L., Sp. Pl. (1753) 235; --Buwalda, Fl. Males. ser. 1, 4 (1949) 125.

Sanicula europaea var. *javanica* (Blume) Wolff *in* Engl., Pflanzenreich 61 (1913) 64; --Merr., EPFP 3 (1923) 238.

Temperate and tropical parts of Europe, Africa and Asia. All over Malesia eastward to Seram.

13. *Trachymene* Rudge

1. *Trachymene saniculaefolia* Stapf, Trans. Linn. Soc. Bot. (1894) 167; --Buwalda, Fl. Males. ser. 1, 4 (1949) 118. --Type:
Didiscus saniculaefolius (Stapf) Merr., PJS 2 c (1907) Bot. 292; EPFP 3 (1923) 238.
Australia (New South Wales), E New Guinea, Borneo (Sabah) and the Philippines.
MINDORO.

14. *Trachyspermum* Link

1. *Trachyspermum ammi* (L.) Sprague, Kew Bull. (1929) 228; --Buwalda, Fl. Males. ser. 1, 4 (1949) 132.
Carum copticum (L.) Benth. ex CB Clarke in JD Hook., Fl. Brit. Ind. 2 (1879) 682; --Merr., EPFP 3 (1923) 238.
Indigenous and cultivated in Egypt, Ethiopia, SW Asia to E India, subsponaneous in Europe.

2. *Trachyspermum roxburghianum* (A DC) Craib, Fl. Siam. Enum. 1 (1931) 788; --Buwalda, Fl. Males. ser. 1, 4 (1949) 132.
Carum involucratum (Roxb.) Baill. ex JD Hook. & Jackson, Index Kewensis 1 (1895) 445; --Merr., EPFP 3 (1923) 239.
Of unknown provenance, now cultivated and subsponaneous in tropical SE Asia.
Throughout Malesia.

Non-naturalized taxa:

Anethum graveolens L., Sp. Pl. (1753) 263; --Buwalda, Fl. Males. ser. 1, 4 (1949) 136.
Indigenous in S and SW Asia, cultivated in most parts of the world. Dill.