

38. CERATOCEPHALA Moench, Methodus, 218. 1794.

角果毛茛属 *jiao guo mao gen shu*

Wang Wencai (王文采 Wang Wen-tsai); Michio Tamura

Herbs annual, erect. Leaves all basal, a few sessile, undivided and linear, others petiolate; leaf blade 3-sect, segments undivided or 1 or 2 × dissected into linear lobules. Scapes naked. Inflorescence a solitary terminal flower. Flowers bisexual, actinomorphic. Sepals 5, deciduous. Petals 3–5, yellow, narrowly obovate, clawed at base, with a nectary pit covered by a scale above claw. Stamens few to 10; filaments linear; anthers ellipsoid. Carpels 10 to numerous; ovule 1 per carpel; ovary attenuate into a subulate style. Aggregate fruit globose or cylindrical; achenes 10 to numerous, spirally attached to elongated receptacle, with 2 hard hollow protuberances at base; style persistent, forming flattened spinelike beak.

Four species: N Africa, W Asia, Europe, SW Pacific Islands (New Zealand); two species in China.

- 1a. Persistent style falcate, ca. 7–10 × 1–1.2 mm 1. *C. falcata*
- 1b. Persistent style straight, 1.5–5 × 0.7–0.9 mm 2. *C. testiculata*

1. *Ceratocephala falcata* (Linnaeus) Persoon, Syn. Pl. 1: 341. 1805.

弯喙角果毛茛 *wan hui jiao guo mao gen*
Ranunculus falcatus Linnaeus, Sp. Pl. 1: 556. 1753;
Ceratocephala falcata var. *orthoceras* (de Candolle)
Aitchison & Hemsley; *C. orthoceras* de Candolle.
Petiole to 5 cm; leaf blade palmately or furcately
divided into linear segments to 2 mm wide. Scapes to
10 cm. Flowers to 1.4 cm in diam. Sepals elliptic to
narrowly ovate-oblong, 3–4 mm, densely lanuginose.
Petals oblong-obovate, 5–7 mm. Carpels numerous.
Aggregate fruit ovate to shortly cylindrical, 1–3 cm;
achenes 2–3 mm. Persistent style 7–10 mm, falcate, to-
mentose or rarely glabrous on lower part. Fl. and fr.
Apr–May.

Dry places, dry stones, often a weed of cultivation. C Xinjiang
[Kazakhstan, N Pakistan; SW Asia, Europe].
Some authors have treated this and the following species as members
of a single, continually variable species.

2. *Ceratocephala testiculata* (Crantz) Roth, Enum. 1: 1014. 1827.

角果毛茛 *jiao guo mao gen*

Ranunculus testiculatus Crantz, Stirp. Austr. Fasc. 2: 97. 1763.

Outermost ca. 4 basal leaves sessile; leaf blade linear,
4–7 × 1–1.5 mm, glabrous or subglabrous; other basal
leaves 4–11; petiole 0.3–2 cm, sparsely arachnoid; leaf
blade broadly cuneate or flabellate-rhombic, 3–12 × 3–
20 mm, sparsely arachnoid, base cuneate or broadly
cuneate, 3-sect; segments unequally 1 or 2 × 2-sect,
ultimate lobules linear. Scapes 1–5.8 cm, arachnoid.
Flowers 6–9 mm in diam. Receptacle glabrous. Sepals
long elliptic, 2.5–4.5 mm, abaxially densely puberulent.
Petals narrowly obovate or ligulate, 4–6 × 1.2–1.8 mm,
apex rounded; scale ligulate, ca. 0.3 mm. Stamens 4–10,
ca. 2.5 mm; anthers ca. 0.8 mm. Carpels 10–60, ca. 2
mm; ovary densely arachnoid, longer than style.
Aggregate fruit subglobose to oblong, 0.3–2 × 0.5–1 cm;
achenes 1.5–2 mm, arachnoid. Persistent style 1.5–5 ×
0.7–0.9 mm, straight, sparsely arachnoid. Fl. Apr–May,
fr. May.

River banks, dry slopes, deserts; 600–1600 m. C and W Xinjiang
[Kazakhstan, Kyrgyzstan, N Pakistan, Russia (W Siberia); SW Asia,
Europe].

