

**24. LALLEMANTIA** Fischer & C. Meyer, Index Sem. Hort. Petrop. 6: 52. 1840.

扁柄草属 *bian bing cao shu*

Plants annual, biennial, or perennial, glabrous or white hairy, herbaceous. Leaves petiolate or sessile, subentire. Verticillasters axillary, 6-flowered; bracts ciliate- or awned-crenate. Pedicel erect, rigid, flattened. Calyx tubular, 15-veined, straight, throat closed after anthesis; teeth 5, subequal, posterior tooth wider than other teeth, tooth sinus with a thickened fold. Corolla with a slender, included to slightly exerted tube, dilated at apex into throat, 2-lipped; upper lip straight, slightly concave, apex emarginate, with 2 longitudinal folds inside; lower lip spreading, 3-lobed, middle lobe reniform, lateral lobes minute, semicircular. Stamens 4, posterior 2 longer; filaments pilose; anther cells 2, divaricate. Style apex 2-cleft, lobes subulate. Nutlets dark brown, oblong, adaxially ribbed, mucilaginous on wetting.

Five species: Afghanistan, China, India, Kazakhstan, Kyrgyzstan, Pakistan, Russia, Tajikistan, Turkmenistan, Uzbekistan; SW Asia, Europe; one species in China.

**1. *Lallemantia royleana*** (Wallich ex Benth) Benth,  
Prodr. 12: 404. 1848.

扁柄草 *bian bing cao*

*Dracocephalum royleanum* Benth, Pl. Asiat. Rar. 1:  
65. 1830.

Herbs annual. Stems 15–20.5 cm, densely spreading or retrorse white pubescent. Petiole 5–10 mm; leaf blade ovate, 1.5–2.5×0.8–1 cm, sparsely pubescent, base cuneate, margin crenate, apex obtuse. Verticillasters in terminal spikes 2–18.5 cm; floral leaves short petiolate, ovate to oblong-cuneate, 0.8–1.7 cm×5–7 mm, margin remotely crenate to 1- or 2-aristate-crenate; bracts obovate-cuneate, 4–7×2–5 mm, abaxially yellow glandular, margin 2–4-toothed, aristae 2–6 mm. Calyx tubular, ca. 5×1–1.2 mm, spreading pubescent, puberulent, sometimes intermixed with yellow glands, veins conspicuous, throat slightly oblique; posterior teeth ovate, ca. 1.3 mm, covering other 4 teeth in fruit; middle tooth awned; anterior teeth oblong, narrower, ca. 1.5 mm. Corolla purple-blue, slightly exerted, ca. 5.5 mm, white pilose; upper lip 0.7 mm, slightly concave, 2-lobed, arcuate pleated along margin; middle lobe of lower lip reniform, ca. 1.2×2.8 mm, emarginate, margin undulate; lateral lobes minute, circular. Nutlets dark brown, narrowly oblong, adaxially ribbed, ca. 2.3×1 mm, glabrous. Fl. May-Jun, fr. Jul.

Slopes, moist areas along waterways. Xinjiang [India, Kazakhstan, Kyrgyzstan, Russia, Tajikistan, Turkmenistan, Uzbekistan; SW Asia, Europe].

