

87. ALLIARIA Heister ex Fabricius, Enum. 161. 1759.

葱芥属 *cong jie shu*

Herbs annual or biennial, rarely short-lived perennial. Trichomes absent or simple. Stems erect, sometimes decumbent. Basal leaves long petiolate, rosulate, simple, crenate, dentate, or sinuate. Cauline leaves petiolate, dentate. Racemes several flowered, ebracteate, bracteate throughout, or only basally bracteate. Fruiting pedicels slender or thickened, narrower than or as thick as fruit, terete. Sepals oblong, erect, glabrous, base of lateral pair not saccate. Petals white, longer than sepals; blade oblanceolate, apex obtuse; claw obscurely differentiated from blade. Stamens 6, slightly tetradynamous; filaments not dilated at base; anthers ovate or oblong, obtuse at apex. Nectar glands confluent, subtending bases of all stamens. Ovules 4–20 per ovary. Fruit dehiscent siliques, linear or oblong, terete or 4-angled, sessile; valves with a prominent midvein and distinct marginal veins, glabrous or scabrous, torulose; replum rounded; septum complete; style obsolete or distinct and to 6 mm; stigma capitate. Seeds uniseriate, wingless, oblong, plump; seed coat longitudinally striate, not mucilaginous when wetted; cotyledons incumbent.

Two species: one endemic to the Caucasus, the other native to SW Asia and Europe and naturalized elsewhere as a cosmopolitan weed.

1. *Alliaria petiolata* (Marschall von Bieberstein) Cavara & Grande, Bull. Orto Bot. Regia Univ. Napoli 3: 418. 1913.

葱芥 *cong jie*

Arabis petiolata Marschall von Bieberstein, Fl. Taur.-Caucas. 2: 126. 1808; *Alliaria officinalis* Andrzejowski ex Marschall von Bieberstein; *Erysimum alliaria* Linnaeus; *Sisymbrium alliaria* (Linnaeus) Scopoli.

Herbs biennial, with garlicky smell when crushed. Stems erect, (15–)30–90(–130) cm tall, simple or branched above, glabrous or pilose basally with trichomes to 1.5 mm. Basal leaves rosulate, withered by fruiting; petiole 3–10(–16) cm; leaf blade reniform or cordate, (0.6–)1.5–5(–7) cm wide, shorter in length, base cordate, margin crenate or dentate, glabrous or pilose. Cauline leaves with much shorter petioles, ovate, cordate, or deltoid, to 15 × 15 cm, base cordate or truncate, margin acutely to obtusely toothed, apex acute. Racemes ebracteate or rarely lowermost flowers bracteate. Fruiting pedicels divaricate or ascending, (2–)3–10(–15) mm, nearly as thick as fruit. Sepals oblong, (2–)2.5–3.5(–4.5) × 0.7–1.5 mm. Petals white, oblanceolate, (2.5–)4–8(–9) × (1.5–)2–3(–3.5) mm, attenuate to clawlike base. Filaments 2–3.5(–4.5) mm; anthers oblong, 0.7–1 mm. Fruit linear, (2–)3–7(–8) cm × 1.2–2.5 mm, subtorulose, quadrangular or subterete, divaricate-ascending; valves glabrous; style (0.2–)1–2(–3) mm. Seeds brown or black, narrowly oblong, 2–4.5 × 0.7–2 mm, longitudinally striate. Fl. Apr–Jun, fr. May–Jul. $2n = 36, 42$.

Waste places, roadsides, fields, woodlands, river banks. Xinjiang, Xizang [Afghanistan, India, Kashmir, Kazakstan, Kyrgyzstan, Nepal, Pakistan, Russia, Tajikistan, Turkmenistan, Uzbekistan; native to SW Asia and Europe; naturalized elsewhere].

