

20. **JAESCHKEA** Kurz, J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 39(2): 230. 1870.

口药花属 kou yao hua shu

*Kurramia* Omer & Qaiser.

Herbs annual. Inflorescences terminal and axillary clusters, often forming panicles, sometimes 1-flowered. Flower 4- or rarely 5-merous. Calyx lobed nearly to base. Corolla valvate at base of lobes, apically lobes often folded on 1 side and appearing imbricate, tubular, lobed to middle, plicae absent. Nectaries at base of corolla tube. Stamens inserted at 1 side of base of each corolla lobe, alternating with corolla lobes; filaments very short. Style short. Capsules 2-valved, few seeded. Seeds smooth.

Two species: N India, Kashmir, Pakistan, Sikkim; both species in China.

- 1a. Plants 6–11 cm; stem 1, usually erect; flowers in a umbel-like inflorescence and also in axillary clusters; anthers blue ..... 1. *J. canaliculata*
- 1b. Plants 1–4 cm; stems many, ascending to erect; flowers solitary; anthers yellow ..... 2. *J. microsperma*

**1. *Jaeschkea canaliculata*** (Royle ex G. Don) Knoblauch, Bot. Centralbl. 60: 387. 1894.

Meadows on river banks; ca. 4400 m. SW and W Xizang [Kashmir, Pakistan].

宽萼口药花 kuan e kou yao hua

*Gentiana canaliculata* Royle ex G. Don, Gen. Syst. 4: 182. 1837; *Jaeschkea latisepla* C. B. Clarke.

Annuals 6–11 cm tall. Stems purple, erect, striate, simple or few branched. Basal leaves with petiole flattened, 2–2.5 mm; leaf blade spatulate-oblong to obovate, (3–)5–9 × (1.5–)2–3 mm, base narrowed, apex obtuse to rounded, veins indistinct. Stem leaves sessile; middle leaves oblong, 6–9 × 2–3 mm, base slightly contracted and connate, apex obtuse, midvein abaxially distinct; upper leaves ovate-oblong to ovate, to 12 × 4 mm, base narrowed and free, apex obtuse. Inflorescences umbel-like, terminal, subtended by a whorl of 4 leaves; flowers also in axillary clusters. Flower 5-merous, variable in size. Pedicel 1.5–3 mm. Calyx 5–6 mm when young; lobes spatulate-oblong to oblong, 6–8 mm, base slightly narrowed, apex obtuse, veins 3 and indistinct. Corolla blue, tubular, 8–10 mm; lobes ovate, 4–4.5 mm, apex acute and mucronate. Nectaries 10, oblong. Filaments less than 1 mm; anthers blue, ellipsoid, 1–1.5 mm. Ovary ovoid-ellipsoid, 4–6 mm. Style short; stigma lobes small. Fl. Jul.

**2. *Jaeschkea microsperma*** C. B. Clarke in J. D. Hooker, Fl. Brit. India 4: 119. 1883.

小籽口药花 xiao zi kou yao hua

Annuals 1–4 cm tall. Stems ascending to erect, subquadrangular, branched from base. Basal leaves with blade spatulate, 2–4 × ca. 1 mm including petiole, base narrowed, margin scabrous, apex obtuse. Stem leaves sessile, lanceolate to oblong, 2–6 × to 2 mm, base and apex obtuse, veins abaxially indistinct. Flowers terminal, solitary, 5- or rarely 4-merous. Pedicel 0.5–1.5 cm, subquadrangular. Calyx 3–6 mm; lobes oblong to elliptic, 2.5–5 × 1–2 mm, base slightly narrowed, margin scabrous, apex obtuse. Corolla blue-purple, tubular, 4–10 mm; lobes ovate, 1–3 × 1.5–2.5 mm, apex obtuse and mucronate, papillate outside. Nectaries 8 or 10. Filaments less than 1 mm; anthers yellow, ellipsoid, 1–1.2 mm. Style short; stigma lobes small. Capsules ovoid-ellipsoid, to 1.3 cm. Seeds brown, ellipsoid, ca. 1 mm; seed coat smooth. Fl. and fr. Sep.

Meadowland slopes, alpine rocky places; 4300–4600 m. S and W Xizang [N India, Sikkim].