

**28. MIMULICALYX** P. C. Tsoong, Fl. Reipubl. Popularis Sin. 67(2): 400. 1979.

虾子草属 xia zi cao shu

Herbs, perennial. Stems quadrangular. Leaves opposite, basal and rosulate or all on stem. Racemes axillary, opposite, sometimes in compound racemes. Pedicel much longer than flower. Bracteoles absent. Calyx tubular, campanulate in fruit, 5-ribbed; lobes triangular, 1/3–1/2 of tube length, rib reaching lobe apex. Corolla pale purple or pale red; tube long; palate with 2 bulging plaits; limb 2-lipped; lower lip longer than upper, 3-lobed; lobes somewhat spreading, crisp, margin ciliate; lateral lobes of lower lip exerted in bud, as long as lobes of upper lip at anthesis; middle lobe orbicular, larger than other lobes, base with 2 bulging glandular hairy plaits, margin slightly recurved; upper lip erect, lobes 2 and wider than long. Stamens 4, included, didynamous; anther locules basally divaricate, apically confluent. Stigma 2-lobed. Capsule oblong, ± compressed, emarginate, loculicidal, placenta dilated. Seeds numerous, ellipsoid, ± compressed, with a transparent membrane.

• Two species: endemic to China.

1a. Plants with primary roots; leaves mostly basal, stem leaves 3 or 4 pairs; racemes usually short branched; pedicel

in fruit to 2.6 cm ..... 1. *M. rosulatus*

1b. Plants with fibrous and fascicled roots; leaves all on stem, more than 10 pairs; racemes unbranched; pedicel in

fruit to 4 cm or more ..... 2. *M. paludigenus*

**1. *Mimulicalyx rosulatus*** P. C. Tsoong, Fl. Reipubl. Popularis Sin. 67(2): 400. 1979.

虾子草 xia zi cao

Herbs, 3–30 cm tall. Primary root to 7 cm. Leaves mostly basal; petiole to 1.3 cm; leaf blade narrowly spatulate, to more than 4 cm, ± fleshy and thick, base narrowly cuneate, margin subentire with few inconspicuous teeth, apex obtuse. Leaves on flowering stems 3 or 4 pairs; leaf blade linear-lanceolate, 0.8–2.5 cm, base somewhat amplexicaul, apex obtuse. Racemes to 20 cm, sometimes basally branched, more than 20-flowered per stem; bracts shorter than pedicel, to 2 cm basally on inflorescence. Pedicel in fruit to 2.6 cm. Calyx ca. 5 mm, ca. 8 × 4.5 mm in fruit, main veins 5; lobes recurved near apex. Capsule ca. 5 mm, included. Seeds brown.

• Marshes. Yunnan (Jianshui Xian).

**2. *Mimulicalyx paludigenus*** P. C. Tsoong, Fl. Reipubl. Popularis Sin. 67(2): 400. 1979.

沼生虾子草 zhao sheng xia zi cao

Herbs, to 45 cm tall, glabrous. Roots fibrous, fascicled. Stems 1–3, erect or basally somewhat prostrate. Leaves all on stem, more than 10 pairs; leaf blade spatulate-oblongate to broadly lanceolate, 2–5 × 0.5–1.2 cm, base wide and subamplexicaul, margin entire or with few small callous teeth, apex obtuse. Flowers axillary, varying in number. Pedicel conspicuously longer than bracts, in fruit to 4 cm or more. Calyx ca. 1.5 mm in fruit, main veins 5; lobes recurved near apex. Fl. Jun–Sep, fr. Jul–Oct.

• Swamps, rice fields, along streams; 1100–1600 m. Sichuan (Huidong Xian), Yunnan (Mengzi Xian, Yanshan Xian).

