

**40. PETITMENGINIA** Bonati in Lecomte, Notul. Syst. (Paris) 1: 335. 1911.

毛冠四蕊草属 mao guan si rui cao shu

Herbs, terrestrial. Stems erect. Leaves alternate, sessile to subsessile, gradually decreasing in size upward, pinnately parted, 1-veined. Flowers solitary in leaf axils or in racemes. Bracteoles 2. Calyx campanulate, 5-lobed. Corolla small, obscurely 2-lipped; lower lip longer than upper lip, 3-lobed, lobes spreading flat; upper lip straight, 2-lobed. Stamens 4, somewhat didynamous, included; anther locules 2, distinct, base mucronate. Style slender; stigma inconspicuous, apex acute. Capsule globose, sometimes  $\pm$  compressed, as long as or shorter than calyx, base rounded, apex truncate or emarginate, 4-valved. Seeds numerous, pyramidal to oblong; seed coat reticulate.

Two species: Cambodia, China, Laos, Thailand; both in China.

1a. Calyx hirsute, with 5 thickened folds between lobes; seeds ca.  $0.6 \times 0.3$  mm ..... 1. *P. comosa*

1b. Calyx densely scabrous, without folds; seeds ca.  $0.4 \times 0.2$  mm ..... 2. *P. matsumurae*

**1. *Petitmenginia comosa*** Bonati in Lecomte, Notul. Syst. (Paris) 1: 335. 1911.

滇毛冠四蕊草 dian mao guan si rui cao

*Sopubia comosa* (Bonati) T. Yamazaki.

Herbs, ca. 50 cm tall. Stems stout, terete, fastigiate branched above, densely hispidulous. Leaves subsessile; leaf blade linear to filiform, 2–7 cm  $\times$  1–3 mm, abaxially scabrous, adaxially glabrescent, margin revolute, entire or with 2 acuminate teeth. Bracteoles ovate, ca. 4  $\times$  2–3 mm, scabrous, apex attenuate-acuminate. Calyx ca. 4  $\times$  4 mm, hirsute, 5-angular, with 5 thickened folds between lobes; lobes deltoid-lanceolate, fleshy, scabrous, margin revolute. Corolla rose-violet, tubular, ca. 8 mm, outside sparsely pilose; lobes orbicular, ca. 2  $\times$  2 mm. Capsule globose,  $\pm$  compressed, ca. 4  $\times$  4 mm. Seeds oblong, ca. 0.6  $\times$  0.3 mm.

Open grassland. S Yunnan [Cambodia, Laos, Thailand].

**2. *Petitmenginia matsumurae*** T. Yamazaki, J. Jap. Bot. 25: 214. 1950.

毛冠四蕊草 mao guan si rui cao

Herbs, 40–60 cm tall. Stems simple or few branched, with brown crisped hairs. Leaves sessile, linear, 1.5–5 cm  $\times$  1–2 mm,  $\pm$  fleshy, abaxially scabrous on veins, adaxially scabrous, margin revolute, scabrous, 1- or 2-toothed per side on lower leaves; upper leaves entire, apex acute, midvein conspicuous. Flowers solitary in axils of upper leaves. Pedicel 1.5–2 mm, densely brown hairy. Bracteoles linear, as long as calyx. Calyx ca. 3 mm in flower, to 4  $\times$  3 mm in fruit, densely scabrous; lobes triangular-lanceolate, base expanded, apex acute. Corolla 6–7 mm; tube narrow, densely puberulent distally to middle; lobes ovate-orbicular, coarsely hairy outside. Style densely scabrous hairy. Capsule globose, ca. 4  $\times$  3 mm. Seeds ca. 0.4  $\times$  0.2 mm. Fl. and fr.  $\pm$  Aug.

• Low elevations. Jiangsu (Nanjing Shi).

We have not seen any specimens of the species.

