

9. BACOPA Aublet, Hist. Pl. Guiane 1: 128. 1775.

假马齿苋属 jia ma chi xian shu

*Bramia* Lamarck; *Herpestis* C. F. Gaertner; *Mella* Vandelli; *Sinobacopa* D. Y. Hong.

Herbs, erect or creeping. Leaves opposite. Flowers solitary, axillary or in terminal racemes. Bracteoles 1 or 2 or absent. Sepals (4 or)5, entirely free, imbricate, upper 1 largest, lower 2 next large, lateral 2 innermost and narrowest. Corolla tube tubular; limb patent, conspicuously or obscurely 2-lipped; lower lip 3-lobed; upper lip 2-lobed. Stamens 4, didynamous or equal in length, very rarely 5; anther locules parallel, free. Stigma dilated, capitate or 2-lobed. Capsule ovoid or globose, 2-grooved, 4-valved. Seeds numerous, minute.

About 60 species: tropics and subtropics, mainly in America; three species in China.

1a. Stems erect; pedicel ca. 0.2 cm ..... 1. *B. floribunda*

1b. Stems creeping; pedicel 0.5–3.5 cm.

2a. Bracteoles 2, just below calyx; stamens didynamous; lower and upper sepals ovate-lanceolate 2. *B. monnieri*

2b. Bracteoles absent; stamens equal in length; lower and upper sepals linear-elliptic ..... 3. *B. repens*

1. **Bacopa floribunda** (R. Brown) Wettstein in Engler & Prantl, Nat. Pflanzenfam. 4(3b): 77. 1895.

麦花草 mai hua cao

*Herpestis floribunda* R. Brown, Prodr. 442. 1810;

*Mella floribunda* (R. Brown) Pennell.

Annuals. Roots fibrous. Stems erect, 15–40 cm, sometimes apically branched, basally glabrous, apically sparsely scabrous. Leaves sessile, linear to linear-elliptic, 1–5 cm, glabrous, margin entire or few serrate. Flowers axillary or sometimes in terminal racemes. Pedicel ca. 2 mm. Bracteoles 2, filiform, below calyx. Sepals scabrous, ciliate, abaxially yellow glandular punctate; upper sepal orbicular, ca. 6 mm; lower 2 sepals ovate; lateral 2 sepals ovate to lanceolate. Corolla white, as long as calyx. Stamens didynamous. Stigma 2-lobed. Capsule ovoid, enveloped in inflated calyx. Seeds black, ellipsoid-conical, ca. 0.3 mm; seed coat reticulate. Fl. Aug–Nov.

Paddy fields, wet places; low elevations. Guangxi, Fujian (Fuqing Xian), Hainan [India, Indonesia, Laos, W Malaysia, Philippines, Sri Lanka, Thailand, Vietnam; Australia].

2. **Bacopa monnieri** (Linnaeus) Pennell, Proc. Acad. Nat. Sci. Philadelphia 98: 94. 1946.

假马齿苋 jia ma chi xian

*Lysimachia monnieri* Linnaeus, Cent. Pl. II 9. 1756;

*Bacopa monnieri* (Linnaeus) Wettstein; *Gratiola monnieri* (Linnaeus) Linnaeus.

Stems creeping, rooting at nodes, ± succulent, glabrous. Leaves sessile, oblong-ob lanceolate, 0.8–2 cm × 3–6 mm, margin entire or rarely dentate, apex rounded. Flowers axillary. Pedicel 0.5–3.5 cm. Bracteoles 2, linear, below calyx. Sepals 5, ca. 5 mm; lower and upper sepals ovate-lanceolate; lateral 2 sepals lanceolate to linear. Corolla blue, purple, or white, 8–10 mm, obscurely 2-lipped. Stamens didynamous. Stigma capitate. Capsule narrowly ovoid, enveloped in persistent calyx, apex acute. Seeds yellow-brown, ellipsoid, truncate at one end, longitudinally striate. Fl. May–Oct.

By water, wet places, sandy beaches; below 1100 m. Fujian, Guangdong, Guangxi, Hainan, Taiwan, Yunnan [widespread in tropics and subtropics].

For a discussion on the nomenclature of the species, see Philcox (Kew Bull. 33: 679–680. 1979).

3. **Bacopa repens** (Swartz) Wettstein in Engler & Prantl, Nat. Pflanzenfam. 4(3b): 76. 1891.

田玄参 tian xuan shen

*Gratiola repens* Swartz, Prodr. 14. 1788; *Sinobacopa aquatica* D. Y. Hong.

Annuals. Stems creeping and rooting at nodes at least basally, branched, 12–20 cm, internodes 3–6 cm, succulent. Leaves sessile, obovate to obovate-lanceolate, 1.2–2.5 × 0.7–1.3 cm, smaller on branches, margin entire; veins 9 or 10, parallel. Flowers axillary, pendulous. Pedicel 1–2 cm. Bracteoles absent. Sepals (4 or)5, 3–4 mm, margin ciliate, apex obtuse; lower and upper sepals linear-elliptic, 5-veined; lateral 2 sepals linear, 1-veined. Corolla white, almost as long as sepals; lobes obovate, apex rounded; upper lip lobed to middle, lobes narrowly obovate, apex rounded. Stamens equal, ca. 1.2 mm, inserted at throat; filaments as long as anthers; anthers ± sagittate. Stigma 2-parted; lobes reflexed. Capsule globose, ca. 1.7 mm in diam. Seeds columnar-oblong, ca. 0.5 mm; seed coat reticulate. Fl. Aug–Sep.

Paddy fields; low elevations. Fujian (Fuzhou Shi), Guangdong (Guangzhou Shi), Hainan (Lingshui Xian) [North and South America].

