

**8. WAHLENBERGIA** Schrader ex Roth, Nov. Pl. Sp. 399. 1821, nom. cons.

蓝花参属 lan hua shen shu

Hong Deyuan (洪德元); Thomas G. Lammers

*Campanopsis* (R. Brown) Kuntze; *Campanula* sect. *Campanopsis* R. Brown; *Cephalostigma* A. Candolle; *Cervicina* Delile.

Herbs, perennial or annual, rarely subshrubs or shrubs. Leaves cauline and often basally rosulate, alternate or rarely opposite, usually sessile. Flowers small to medium-sized, sessile or pedicellate, terminal or axillary, solitary or in thyrses, panicles, or fascicles. Calyx lobes typically 5. Corolla blue or white, campanulate or funnelform, lobed, cleft, or divided; segments typically 5. Stamens typically 5; filaments free and distinct, dilated into a triangular base, dilated part ciliate; anthers coherent. Ovary inferior, 2- or 3(-5)-locular; stigma 2- or 3(-5)-fid, segments linear. Capsule loculicidal at apex. Seeds numerous or few.

About 260 species: mainly in S Hemisphere, particularly S Africa, extending north to W Europe, E and S Asia, and N South America; two species in China.

- 1a. Perennials; flowers solitary; pedicels 5–20 cm; corolla cleft for 2/3 its length; ovary and capsule 3-locular ..... 1. *W. marginata*  
1b. Annuals; flowers numerous in a terminal panicle; pedicels 0.5–2 cm corolla divided nearly to base; ovary and capsule 2-locular ..... 2. *W. hookeri*

**1. *Wahlenbergia marginata*** (Thunberg) A. Candolle, Monogr. Campan. 143. 1830.

蓝花参 lan hua shen

*Campanula marginata* Thunberg in Murray, Syst. Veg., ed. 14, 211. 1784; *Adenophora microsperma* Y. Y. Qian; *Campanopsis marginata* (Thunberg) Kuntze; *Wahlenbergia gracilis* (G. Forster) A. Candolle var. *misera* Hemsley.

Herbs, perennial. Roots elongate, carrotlike. Stems erect or ascending, 10–40 cm, branched at base, glabrous or sparsely hirsute below. Leaves alternate, mostly on lower part of stem, lowermost sometimes caducous, sessile or with petiole up to 7 mm; blade spatulate, oblanceolate, elliptic, or linear, 10–40 × 2–8 mm, glabrous or sparsely hirsute, margin sinuate, sparsely serrulate, or entire. Pedicels erect, terminal and sometimes axillary, slender, up to 20 cm. Hypanthium obovoid or conic, glabrous. Calyx lobes triangular or subulate. Corolla blue, broadly campanulate, 3–12 mm, cleft for 1/3–2/3 its length; lobes obovate, oblong, or narrowly oblong. Capsule obconic, obovoid, or subglobose, 3–8 mm, 3-locular. Seeds yellow-brown or dark brown, oblong or ellipsoid, slightly compressed, 0.3–0.5 mm, smooth. Fl. and fr. Feb–May.  $2n = 36, 72$ .

Wastelands, fields, slopes, streams; lower elevations (to 2800 m in Yunnan). Anhui, Chongqing, Fujian, Guangdong, Guangxi, Guizhou, Hubei, Hunan, Jiangsu, Jiangxi, Sichuan, Taiwan, Yunnan, Zhejiang [Bhutan, India, Indonesia, Japan (including Ryukyu Islands), Korea, Laos, Malaysia, Myanmar, Nepal, Papua New Guinea, Philippines, Sri Lanka, Vietnam; naturalized in the Pacific islands (Hawaiian Islands) and North America].

**2. *Wahlenbergia hookeri*** (C. B. Clarke) Tuyn in Steenis, Fl. Males., Ser. 1, Spermat. 6: 114. 1960.

星花草 xing hua cao

*Cephalostigma hookeri* C. B. Clarke in J. D. Hooker, Fl. Brit. India 3: 429. 1881.

Herbs, annual. Stems erect, 8–20 cm tall, sparsely villous, dichotomously branched. Leaves shortly petiolate; blade ovate or ovate-elliptic, ca. 2.5 × 1.2 cm, base and apex obtuse, margin denticulate. Cymes in large and lax panicles; bracts small;

pedicels slender, up to 2 cm. Calyx ca. 1.5 mm; tube obconical; lobes triangular, ca. 0.5 mm. Corolla blue, 5-divided to near base; lobes spreading, starlike, linear-elliptic, 2–3 mm. Stamens ca. 1.5 mm. Style almost equal to corolla in length. Capsule subglobose, ca. 3 mm in diam., 2-locular. Seeds small, broadly ellipsoid, 3-ribbed. Fl. Nov.

Sunny slopes in moist ravines; 1300–1400 m. S Yunnan (Menghai) [E India, Indonesia (Java), N Thailand; Africa].

Fl. China 19: 529. 2011.