

20. PILEOSTEGIA J. D. Hooker & Thomson, J. Proc. Linn. Soc., Bot. 2: 57. 1858.

冠盖藤属 *guan gai teng shu*

Huang Shumei (黄淑美 *Hwang Shu-mei*); Bruce Bartholomew

Shrubs evergreen, climbing, with aerial rootlets. Leaves opposite, petiolate; leaf blade margin entire or dentate. Inflorescence terminal, a corymbose panicle. Flowers bisexual, small. Calyx tube adnate to ovary, conical; lobes 4 or 5, imbricate in bud, minute. Petals 4 or 5, valvate in bud, connate apically and forming a calyptra, falling early. Stamens 8–10, epigynous; filaments slender; anthers subglobose, 2-loculed, dehiscing longitudinally. Ovary inferior, 4–6-loculed; ovules numerous. Style short, robust; stigma 4–6-lobed. Fruit a capsule, 4- or 5-valved, dehiscing irregularly along ribs. Seeds numerous, oblong, slightly compressed, membranous winged at both ends.

Three species: China, E India, Japan; two species (one endemic) in China.

- 1a. Branchlets, leaves, and inflorescences glabrous, rarely stellate pubescent; leaf blade elliptic-ob lanceolate to narrowly elliptic, base truncate 1. *P. viburnoides*
- 1b. Branchlets, leaves, and inflorescences densely rusty brown tomentose; leaf blade oblong to obovate-oblong, base shallowly cordate 2. *P. tomentella*

1. *Pileostegia viburnoides* J. D. Hooker & Thomson, J. Proc. Linn. Soc., Bot. 2: 76. 1858.

冠盖藤 *guan gai teng*

Shrubs ca. 15 m tall. Branchlets decussate, gray to gray-brown, glabrous or sparsely stellate pubescent. Petiole 1–3 cm; leaf blade elliptic-ob lanceolate to narrowly elliptic, 7–15(–18) × 2.5–6 cm, leathery, abaxially glabrous or sparsely stellate pubescent, adaxially glabrous and lustrous, secondary veins 7 or 8 on both sides of midvein, base cuneate, margin entire, apex acute. Inflorescences 7–20 × 15–25 cm, glabrous or pubescent; bracts linear-lanceolate, 4–5 × 0.8–3 cm. Flowers small; pedicel 3–5 mm. Calyx tube ca. 1.5 mm; lobes 4 or 5, deltoid, glabrous. Petals white, ca. 2.5 mm. Stamens 8–10; filaments 3–6 mm. Ovary 4–6-loculed. Style stout, ca. 1 mm; stigma much dilated, 4–6-lobed. Capsule conical-turbinate, ca. 4 × 2–3 mm, 5–10-ribbed, apex truncate, with persistent style. Seeds ca. 2 mm. Fl. May–Aug, fr. Sep–Dec.

Forests in valleys; 600–1000 m. Anhui, Fujian, Guangdong, Guangxi, Guizhou, Hainan, Hubei, Hunan, Jiangxi, Sichuan, Taiwan, Yunnan, Zhejiang [Japan].

- 1a. Branchlets, leaves, and inflorescences glabrous 1a. var. *viburnoides*
- 1b. Branchlets, leaves, and inflorescences sparsely stellate pubescent 1b. var. *glabrescens*

1a. *Pileostegia viburnoides* var. *viburnoides*

冠盖藤(原变种) *guan gai teng* (*yuan bian zhong*)

Branchlets, leaves, and inflorescences glabrous. Fl. Jul–Aug, fr. Sep–Dec.

Forests in valleys; 600–1000 m. Anhui, Fujian, Guangdong, Guangxi, Guizhou, Hainan, Hubei, Hunan, Jiangxi, Sichuan, Taiwan, Yunnan, Zhejiang [Japan].

1b. *Pileostegia viburnoides* var. *glabrescens* (C. C. Yang) S. M. Hwang, Acta Bot. Austro Sin. 7: 33. 1991.

柔毛冠盖藤 *rou mao guan gai teng*

Pileostegia tomentella Handel-Mazzetti var.

glabrescens C. C. Yang, Acta Phytotax. Sin. 20: 477. 1982.

Branchlets, leaves, and inflorescences sparsely stellate pubescent. Fl. May.

- 800–1000 m. Hainan.

2. *Pileostegia tomentella* Handel-Mazzetti, Anz. Akad. Wiss. Wien, Math.-Naturwiss. Kl. 59: 55. 1922.

星毛冠盖藤 *xing mao guan gai teng*

Shrubs ca. 16 m tall. Branchlets, leaves, and inflorescences densely brownish to rusty brown 3–6-rayed stellate hairy. Petiole 1.2–1.5 cm; leaf blade oblong to obovate-oblong, 5–10 (–18) × 2.5–5(–8) cm, leathery, abaxially densely rusty brown stellate tomentose or pubescent, adaxially sparsely stellate hairy when young and gray-greenish when dry, secondary veins 8–13 on both sides of midvein, base rounded, shallowly cordate, or rarely broadly cuneate, margin entire and slightly revolute, irregularly undulate distally from middle, or sparsely serrate, apex acute. Inflorescences 10–25 × 10–25 cm; bracts linear to subulate, 5–10 × 1–2 mm; pedicels ca. 2 mm. Calyx tube ca. 2 mm; lobes deltoid, stellate hairy. Petals white, ovate, ca. 2 mm, falling early. Stamens 8–10; filaments 5–6 mm. Style ca. 1.5 mm; stigma conical, 4–6-lobed. Capsule dark brown, turbinate, ca. 4 mm in diam., 5–10-ribbed, apex truncate, with persistent style. Seeds ca. 2 mm. Fl. Mar–Aug, fr. Sep–Dec.

- Forests in valleys; 300–700 m. Fujian, Guangdong, Guangxi, Hunan, Jiangxi.

Flora of China 8: 403–404. 2001.