
扁蒴藤属 **bian shuo teng shu**

Peng Hua (彭华); A. Michele Funston

Woody lianas, glabrous or puberulent; branches terete to quadrat e, internodes slightly dilate, lenticellate. Leaves opposite or subopposite, entire or serrate. Inflorescences axillary, rarely terminal, cymose, rarely thyrsoid. Flowers bissexual, 5-merous, light yellow. Disk fleshy, inconspicuous, annular or cupular, extrastaminal. Stamens 3; anthers transversely dehiscent, extrorse. Ovary compressed, triangular, 3-locular; ovules axile, 2–6 per locule, binate or imbricate from apex to base per locule. Fruits commonly 3-fascicled capsules or degenerating into only 1 capsule; capsule transversely flattened, thinly leathery, grooved, loculicidally dehiscent. Seeds 2–6, with membranous basal wing, conspicuously 1-grooved at middle, exalbuminous.

About 30 species: mainly in Central and South America and tropical Asia; four species (one endemic) in China.

1a. Petals 2–3 mm; capsule 6-seeded; leaf blade leathery ............................ ............................ 4. *P. cambodiana*

1b. Petals ca. 1.5 mm; capsule 1-seeded; leaf blade papery.

2a. Leaf blade usually 8–15 × 5–7 cm; ripe capsule 6.5–8.5(–12) × 2.5–3(–3.8) cm ................................. 3. *P. arborea*

2b. Leaf blade usually 3.5–8(–10) × 2–4(–5) cm; ripe capsule 2.5–4(–4.5) × 1–1.5 cm.

3a. Young branches and inflorescence branches glabrous, usually subterete ................................. 1. *P. indica*

3b. Young branches and inflorescence branches densely glandular, setulose, sharply quadrangular ........................ 2. *P. setulosa*


扁蒴藤 **bian shuo teng**

_Hippocratea indica_ Willdenow, Sp. Pl. 1: 193. 1797; _Reissantia indica_ (Willdenow) N. Hallé.

Lianas; branchlets green, early slightly quadrangular, then cylindric, glabrous. Petiole 1–1.5 cm, grooved; leaf blade ovate, ovate-elliptic, or rarely lanceolate, 3.5–7(–10) × 2.5–4(–5) cm, papyry, base cuneate, distal margin sparsely denticate, apex subacute; lateral veins 5 or 6 pairs, slender, reticulate veins horizontally spreading. Cymes 3–5 cm; bracts lanceolate, margin sparingly ciliate; pedicle 8–10 mm. Flowers green-white; sepals ovate-deltoid, ca. 1 mm, membranous, margin irregularly denticate; petals oblong-deltoid, ca. 1.5 mm. Stamens longer than style; anthers slightly square. Ovary with 4 ovules per locule; style less than 1 mm, apex truncate. Fruits 1–3-fascicled capsules; capsule oblong-elliptic, 3.5–4 × 2–2.5 cm, flattened, apex rounded. Seeds 2, black-brown when dry. Fl. May–Jul, fr. Sep–Oct.

Rare, shrubs of low-lying areas; below 100–1600 m. Guangdong (Xuwen), Hainan [India, Indonesia, Malaysia, Myanmar, Philippines, Sri Lanka, Thailand, Vietnam].


毛扁蒴藤 **mao bian shuo teng**

Lianas; young branchlets slightly quadrangular, copiously setulose, annually glabrescent; old branches terete, cinctecous. Petiole slender, 3–5 mm, slightly grooved on 2 sides; leaf blade elliptic, 4–7 × 2–4 cm, papyry, yellow-green when dry, base obtuse or subacute to decurrent, margin sparsely denticate to crenate-serrate, apex obtuse or shortly cuspidate; lateral veins 4 or 5 pairs, reticulate veins conspicuous. Cymes solitary or binate, axillary, 1.5–3 cm; inflorescence branches copiously setulose; bracts papyry, deltoid-oblong, 0.5–0.8 mm, glabrous; pedicel slender, shorter than 1 mm, obscurely setulose. Flowers yellow-white; sepals membranous, deltoid-oblong, ca. 0.5 mm, margin eroseolate; petals papyraceous, elliptic-oblong, ca. 1 mm, entire, glabrous. Disk inconspicuous. Filaments ligulate; anthers nearly globose. Ovary depressed globose; ovules 2 per locule; style less than 1 mm, apex truncate. Fruits 1–3-fascicled capsules; capsule oblong-elliptic, 3.5–4 × 2–2.5 cm, flattened, apex rounded. Seeds 2, black-brown when dry. Fl. Jun–Feb, fr. Sep–Oct.

● Sparse limestone forests; 600–1600 m. SW Guangxi, SE Yunnan.


二籽扁蒴藤 **er zi bian shuo teng**

Lianas; young branchlets slightly quadrangular, copiously setulose, annually glabrescent; old branches terete, cinctecous. Petiole slender, 3–5 mm, slightly grooved on 2 sides; leaf blade elliptic, 4–7 × 2–4 cm, papyry, yellow-green when dry, base obtuse or subacute to decurrent, margin sparsely denticate to crenate-serrate, apex obtuse or shortly cuspidate; lateral veins 4 or 5 pairs, reticulate veins conspicuous. Cymes solitary or binate, axillary, 1.5–3 cm; inflorescence branches copiously setulose; bracts papyry, deltoid-oblong, 0.5–0.8 mm, glabrous; pedicel slender, shorter than 1 mm, obscurely setulose. Flowers yellow-white; sepals membranous, deltoid-oblong, ca. 0.5 mm, margin eroseolate; petals papyraceous, elliptic-oblong, ca. 1 mm, entire, glabrous. Disk inconspicuous. Filaments ligulate; anthers nearly globose. Ovary depressed globose; ovules 2 per locule; style less than 1 mm, apex truncate. Fruits 1–3-fascicled capsules; capsule oblong-elliptic, 3.5–4 × 2–2.5 cm, flattened, apex rounded. Seeds 2, black-brown when dry. Fl. May–Jul, fr. Sep–Oct.

Rare, shrubs of low-lying areas; below 100–1600 m. Guangdong (Xuwen), Hainan [India, Indonesia, Malaysia, Myanmar, Philippines, Sri Lanka, Thailand, Vietnam].
**Hippocratea arborea** Roxburgh, Pl. Coromandel 3: 3. 1811.

Lianas; branchlets brown-yellow, brown when old, glabrous, oblong lenticellate. Petiole 1–1.5 cm, grooved; leaf blade broadly ovate or ovate-oblong, 8–15 × 5–17 cm, papery, base rounded or broadly cuneate, margin sparsely dentate, apex acuminate; lateral veins 6 or 7 pairs, reticulate veins horizontally spreading. Cymes solitary, axillary or terminal, usually 5–6 cm, glabrous. Flowers light yellow; sepals oblong, less than 1 mm, apex rounded, entire. Stamens longer than style; filaments flattened; anthers nearly square. Ovary with 2 ovules per locule; style ca. 1 mm, apex truncate. Fruits 1–3-fascicled capsules; capsule narrowly elliptic, 6.5–8.5(–12) × 2.5–3(–3.8) cm, base cuneate, apex subacute, 2-seeded. Seed wing ca. 6 cm, apex emarginate. Fl. Jun, fr. Oct.

Shrubs of mountainous slopes and valleys; 300–1100 m. SW Guangxi, S Yunnan [Bhutan, India, Myanmar].


风车果 feng che guo


Lianas; branches terete, gray-brown and glabrous when young. Petiole 1–1.5 mm; leaf blade ovate-oblong, ovate-elliptic, or ovate-lanceolate, 12–15 × 5–9 cm, subleathery, base broadly cuneate, margin sparsely denticulate, apex acuminate or subacute; lateral veins 6 or 7 pairs, reticulate veins abaxially conspicuous, horizontally spreading. Flowers light green; sepals oblong, 2–3 × ca. 0.7 mm; petals involute. Filaments flat; anthers subglobe, basifixed. Ovary with 6 ovules per locule; style less than 1 mm; stigma slightly 3-lobed. Fruits 1–3-fascicled capsules; capsule oblong, 7–8(–12.5) cm, flattened, base rounded, apex obliquely truncate or obliquely emarginate, 6-seeded. Seeds flattened, black when dry. Fl. May–Jun, fr. Jun–Feb.

Sparse forests of mountainous slopes; 200–1500 m. S and SW Guangxi, S and SW Yunnan [Cambodia, Myanmar, Thailand, Vietnam].