

5. **ZANONIA** Linnaeus, Sp. Pl. 2: 1028. 1753.

翅子瓜属 *chi zi gua shu*

Lu Anmin (路安民 *Lu An-ming*); Charles Jeffrey

Climbers, woody. Stem subglabrous. Leaves petiolate, undivided, margin entire. Tendrils simple or bifid. Plants dioecious; male flowers in lax pendulous panicles; female flowers in racemes. Male flower: calyx tube shortly cupular; segments 3, rarely 4, membranous, concave; corolla rotate; segments 5, apex narrow and inflexed in flower bud; stamens 5, free, all of same length, inserted on a fleshy disk; filaments short, thick; anthers oblong, 1-celled; pistillode absent. Female flowers: calyx as in male flowers; staminodes 5, very short, alternate with petals; ovary inferior, at first 3-loculed, ultimately 1-loculed; styles 3, spreading, apex bifid; ovules in each locule 2 or many, pendulous, attached in 2 series to a fleshy parietal placenta. Fruit a capsule, large, narrowly cylindrical, clavate, 3-valved at truncate apex. Seeds pendulous, large, oblong, compressed, surrounded by a large membranous wing.

One species: Bhutan, Cambodia, China, India, Indonesia, Laos, Malaysia, Myanmar, Philippines, Sri Lanka, Thailand, Vietnam.

1. **Zanonia indica** Linnaeus, Syst. Nat., ed. 10, 2: 1292. 1759.

翅子瓜 *chi zi gua*

Stem robust, branched, ± sulcate, glabrous. Leaves glabrous; leaf blade ovate-oblong, 8–16 × 5–10 cm, leathery, abaxially with distinct reticulate veins, lateral veins 3 or 4 pairs, adaxially smooth, base rounded or slightly emarginate, margin entire, apex acute; petiole 1.5–3 cm, glabrous. Male peduncle slender; rachis ca. 16 cm, much branched; pedicel robust, 4–5 mm, with articulation; calyx segments ovate-triangular, ca. 2 mm, glabrous, apex acute; corolla pale yellow-brown; segments oblong, 3–3.5 × 1–1.5 mm, apex obtuse. Female peduncle 10–30 cm, sparsely 5–10-flowered; pedicels thick; calyx segments ca. 4 mm, apex obtuse; corolla segments 6–8 mm; ovary obconic-cylindrical, 10–12 mm. Fruit brownish, 6–10 × 2.5–5 cm, finely granulate, base obtuse, apex truncate. Seeds oblong, ca. 2 × 1–1.5 cm; wing yellowish or white, surrounding central seed, 5–8 × 1.3–2 cm, base and apex rounded.

Riversides, mountain slopes; 300–900 m. W Guangxi, S Yunnan [Bhutan, Cambodia, India, Indonesia, Laos, Malaysia, Myanmar, Philippines, Sri Lanka, Thailand, Vietnam].

- 1a. Fruit 6–10 × 2.5–3 cm, glabrous; seed wing 5–6 × 1.3–1.5 cm 1a. var. *indica*
1b. Fruit ca. 10 × 4.5–5 cm, densely pubescent; seed wing ca. 8 × 2 cm 1b. var. *pubescens*

1a. **Zanonia indica** var. *indica*

翅子瓜(原变种) *chi zi gua (yuan bian zhong)*

Alsomitra simplicifolia Merrill; *Jussiaea borneensis* Merrill; *Zanonia indica* subsp. *orientalis* W. J. de Wilde & Duyfjes.

Fruit 6–10 × 2.5–3 cm, glabrous. Seeds ca. 2 × 1 cm; wing 5–6 × 1.3–1.5 cm.

Riversides, mountain slopes; ca. 300 m. W Guangxi (Napo) [Cambodia, India, Indonesia, Laos, Malaysia, Myanmar, Philippines, Sri Lanka, Thailand, Vietnam].

1b. **Zanonia indica** var. *pubescens* Cogniaux in A. Candolle & C. Candolle, Monogr. Phan. 3: 927. 1881.

滇南翅子瓜 *dian nan chi zi gua*

Fruit ca. 10 × 4.5–5 cm, densely pubescent. Seeds ca. 2 × 1.5 cm; wing white, ca. 8 × 2 cm.

Open forests on mountain slopes and dry valley sides; ca. 800 m. S Yunnan (Mengla) [N India].

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