

2. HYDROCERA Blume ex Wight & Arnott, Prodr. Fl. Ind. Orient. 1: 140. 1834, nom. cons.

水角属 shui jiao shu

Tytonia G. Don.

Herbs hydrophytic or of swamps. Stem erect or floating, elongate, 5-angled, nodes often with adventitious roots. Leaves alternate, sessile, with 2 basal glands, margin serrate. Inflorescences axillary, 1–5-flowered; peduncles short. Pedicels slender, bracteate at base. Flowers symmetrical, colored. Sepals 5, lateral sepals 4; outer 2: oblong or elliptic-oblong, apex obtuse or slightly acute; inner 2: elliptic-oblong, longer. Lower sepal (lower by resupination) navicular, spurred. Petals 5, all free; upper petal subcucullate, obovate; lateral petals 4, upper 2 (upper by resupination) narrowly oblong; lower 2 longer and narrow, apex swollen. Stamens 5; anthers 2-celled, apically slightly connate and involute, apically dehiscent. Ovary 5-loculed, with 2 or 3 anatropous ovules per locule; stigmas 5, sessile, subulate. Fruit a fleshy pseudoberry, globose, 5-angled, indehiscent; fruit coat cartilaginous, 5-loculed, with 1 seed per locule. Seeds curved, rugose, endosperm absent.

One species: tropical Asia.

1. *Hydrocera triflora* (Linnaeus) Wight & Arnott, Prodr. Fl. Ind. Orient. 1: 140. 1834.

水角 shui jiao

Impatiens triflora Linnaeus, Sp. Pl. 2: 938. 1753; *Hydrocera angustifolia* (Blume) Blume; *I. angustifolia* Blume; *I. natans* Willdenow; *Tytonia natans* (Willdenow) G. Don; *T. triflora* (Linnaeus) C. E. Wood.

Plants perennial, hydrophytic, glabrous. Stem erect, to 1 m tall, fleshy, many branched; underwater part white, ca. 4 mm in diam., with fibrous roots; above water part green, often pink-tinged. Leaves alternate, sessile or shortly petiolate, with 1 pair of sessile basal glands; leaf blade pale green abaxially, dark green adaxially, linear or linear-lanceolate, 10–20 × 0.6–1.5 cm, lateral veins 10–17 pairs, base cuneate, margin serrate, apex acute or acuminate. Racemes 3–5-flowered; peduncles 0.7–1.6 cm. Pedicel 1.2–3 cm, slender, bracteate at base; bracts caducous, lanceolate, 6–9 mm, apex acute or acuminate. Flowers pink or yellowish. Lateral sepals 4; outer 2: 1.2–1.5 × ca. 0.8 cm, apex slightly acute or obtuse; inner 2: 1–1.5 × ca. 1.2 cm,

apex obtuse. Lower sepal navicular, 1.5–2 cm deep, mouth vertical, abruptly constricted into an incurved spur; spur 6–8 mm. Upper petal subcucullate, obovate, 1.5–1.9 × 1.2–1.5 cm, apex mucronulate; lateral petals 4, all free; upper 2 elliptic to elliptic-obovate, 1.3–1.5 cm × 7–9 mm; lower 2 narrowly oblong, 2–2.5 cm × 6–8 mm, apex slightly obtuse. Stamens 5, 0.9–1.1 cm; anthers obtuse. Ovary glabrous. Fruit purple-red at maturity, globose, 0.8–1 cm. Seeds 1 per locule, rugose. Fl. and fr. Sep–Nov. $2n = 16$.

Lakesides, swamps, wetlands, rice fields; ca. 100 m. S Hainan (Lingshui, Sanya) [Cambodia, India, Indonesia, Laos, Malaysia, Myanmar, Sri Lanka, Thailand, Vietnam].

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