

30. **COCCINIA** Wight & Arnott, Prodr. Fl. Ind. Orient. 1: 347. 1834.

红瓜属 hong gua shu

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

*Cephalandra* Schrader.

Herbs, climbing. Roots tuberous. Branches glabrous or slightly scabrous. Tendrils simple, rarely 2-fid. Leaf blade angled or divided. Plants dioecious or rarely monoecious. Male flowers solitary or in a cyme or raceme; calyx tube short, campanulate or turbinate; segments 5; corolla campanulate; segments 5; stamens 3, inserted at base of calyx tube; filaments connate; anthers connivent, one 1-celled, two 2-celled; anther cells reflexed; connective not produced. Female flowers solitary; calyx and corolla as in male flowers; staminodes 3, oblong or subulate; ovary ovoid, oblong, or linear; placentas 3; ovules numerous, horizontal; style filiform; stigma 3-lobed. Fruit ovoid or oblong, baccate, indehiscent. Seeds numerous, compressed, marginate.

About 20 species: mainly distributed in tropical Africa; one species in China.

1. **Coccinia grandis** (Linnaeus) Voigt, Hort. Suburb. Calcutt. 59. 1845.

红瓜 hong gua

*Bryonia grandis* Linnaeus, Syst. Nat., ed. 12, 2: 640; Mant. Pl. 1: 126. 1767; *Cephalandra indica* Naudin, nom. illeg. superfl.; *Coccinia indica* Wight & Arnott, nom. illeg. superfl.

Roots robust. Stem slender, slightly woody, many branched, angular, glabrous. Tendrils filiform, glabrous, simple. Petiole slender, 2–5 cm; leaf blade broadly cordate, 5–10 × 5–10 cm, usually 5-angled or 5-lobed, base with several glands, apex obtuse. Plants dioecious; flowers solitary. Male pedicel

slender, 2–4 cm, glabrous; calyx tube broadly campanulate, 4–5 mm; segments linear-lanceolate, ca. 3 mm; corolla white or slightly yellow, 2.5–3.5 cm; segments ovate, outside glabrous, inside pubescent; filaments and anthers connate; filaments 2–3 mm; anthers subglobose, 6–7 mm. Female pedicel slender, 1–3 cm; staminodes 3, 1–3 mm, nearly subulate, villous at base; ovary fusiform, 12–15 mm; style 6–7 mm; stigmas 3, 5–6 mm. Fruit red when mature, fusiform, ca. 5 × 2.5 cm. Seeds yellow, oblong, 6–7 × 2.5–4 mm, ca. 1.5 mm thick, both surfaces densely punctate, apex rounded. Fl. and fr. summer.

Thickets on mountain slopes and in forests; 100–1100 m. Guangdong, Guangxi, Yunnan [tropical Africa and Asia].

