

34. PHLOGACANTHUS Nees in Wallich, Pl. Asiat. Rar. 3: 76, 99. 1832.

火焰花属 huo yan hua shu

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Herbs, shrubs, or small trees, with cystoliths. Leaves opposite; leaf blade large, margin entire or obscurely crenate. Inflorescences in terminal thyrses or axillary cymes, pedunculate; bracts small; bracteoles small or absent. Calyx deeply 5-lobed; lobes equal to unequal. Corolla tubular, slightly curved (arched); limb subequally 5-lobed or 2-lipped; lower lip 3-lobed, lobes ascending cochlear in bud; upper lip 2-cleft. Stamens 2, inserted at middle or basal portion of tube, included or sometimes slightly exerted beyond corolla lip; anthers 2-theous; thecae equal, base divaricate and mucicous; staminodes 2, small. Ovary usually glabrous; stigma subentire. Capsule linear, 4-angled, basal portion solid but lacking a conspicuous basal stalk; retinacula present, 8–16-seeded. Seeds lenticular, glabrous or pubescent.

About 15 species: mainland Asia; two species in China.

- 1a. Inflorescences terminal thyrses, 14–18 cm; corolla purplish red, 4.5–5 cm; anthers not extending beyond corolla lips; capsule 3.5–5 cm 1. *P. curviflorus*
- 1b. Inflorescences axillary cymes, ca. 4 cm; corolla orange, ca. 1.8 cm; anthers extending beyond corolla lips; capsule 2.5–3 cm 2. *P. pubinervius*

1. **Phlogacanthus curviflorus** (Wallich) Nees in Wallich, Pl. Asiat. Rar. 3: 99. 1832.

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Justicia curviflora Wallich, Pl. Asiat. Rar. 2: 9. 1831.

Shrubs 3–6 m tall. Petiole 1.5–5 cm; leaf blade elliptic to oblong, 12–35 × 9–18 cm, abaxially puberulent along veins, adaxially glabrous, secondary veins 12–17 on each side of midvein, base broadly cuneate and decurrent onto petiole, margin entire to subcrenate, apex acute to acuminate. Thyrses terminal, 14–18 × 6–8 cm; cymes (1–)3–5-flowered. Pedicel 5–12 mm, densely tomentose; bracts subulate to lanceolate, 3–7 mm; bracteoles subulate 2–3 mm. Calyx 6–11 mm; lobes subulate to lanceolate, subequal, outside sparsely pubescent, inside densely brown tomentose. Corolla purplish red, 4.5–5 cm, outside densely brownish pubescent and sometimes including gland-tipped trichomes; tube ca. 4.2 cm; lower lip 3-lobed, lobes oblong and ca. 2 × 1.5 mm; upper lip 2-cleft. Stamens slightly exerted; filaments glabrous; anther thecae ellipsoid, 5–5.5 mm, not extending beyond corolla lips; staminodes 2, small. Ovary and style glabrous. Capsule 3.5–5 cm, 8–10-seeded. Seeds 5.5–6.3 × 4.2–4.5 mm, pubescent. Fl. Oct–Feb, fr. Feb–May.

Thickets, forest margins, ravines; 400–1600 m. Xizang, Yunnan [Bhutan, India, Laos, Myanmar, Thailand, Vietnam].

2. **Phlogacanthus pubinervius** T. Anderson, J. Linn. Soc., Bot. 9: 508. 1867.

毛脉火焰花 mao mai huo yan hua

Aeschynanthus dunnii H. Léveillé; *Lonicera menelii* H. Léveillé.

Shrubs or small trees, to 5 m tall, much branched. Petiole 0.5–2 cm; leaf blade elliptic-oblong to oblong, (5–)8–18 × (1–)3.5–5 cm, abaxially puberulent along veins, adaxially scabrous, secondary veins 5–7 on each side of midvein, base attenuate, margin undulate, apex acuminate to long acuminate. Cymes axillary, 1–4-flowered; peduncle 0.8–1.6 cm, 4-angled, pubescent; bracts small, caducous; bracteoles subulate, ca. 3 × 1

mm, caducous. Pedicel 0.8–1.5 cm. Calyx 7–8 mm; lobes linear-lanceolate, unequal, outside pubescent, inside gray tomentose. Corolla orange, ca. 1.8 cm, outside pubescent; tube ca. 1.3 cm, slightly curved; lower lip deeply 3-lobed, lobes ovate; upper lip 2-cleft. Stamens much exerted; filaments ca. 2.5 cm, glabrous; anther thecae oblong, parallel, extending beyond corolla lips; staminodes 2, small. Ovary glabrous; style ca. 2 cm, glabrous. Capsule 2.5–3 cm, glabrous, 8-seeded.

Forests, thickets; 700–1500 m. Guangxi, Guizhou, Yunnan [Bhutan, India, Myanmar].

Fl. China 19: 474–475. 2011.