37. ANODENDRON A. de Candolle, Prodr. 8: 443. 1844.

**Formosa** Pichon.

Lianas with white latex. Leaves opposite, lateral veins usually wrinkled above. Cymes paniculate, terminal or axillary. Flowers small. Calyx deeply divided, with basal glands inside. Corolla salverform; tube cylindric, slightly dilated at staminal insertion, throat constricted, fauces scales absent; lobes overlapping and twisted to right. Stamens included, inserted just below middle of corolla tube; filaments short; anthers sagittate, connivent, adherent to pistil head, cells spurred at base; disc ringlike or cup-shaped, apex truncate or shortly 5-lobed. Ovaries 2, distinct, slightly higher than disc; ovules numerous in each ovary. Style short; pistil head thick, base with a ringlike membrane. Follicles diverivate, thick, narrowly ovoid, apex acuminate. Seeds compressed, ovate or oblong; beak with a long apical coma.

About 16 species: India, Malaysia, Sri Lanka, Vietnam; five species in China.

1a. Lateral leaf blade veins ca. 30 pairs ........................................................................................................... 5. A. formicinum

1b. Lateral leaf blade veins 6–16 pairs.

2a. Corolla tube 15–25 mm, lobes 15–25 mm; coma ca. 2 cm ................................. 1. A. benthamianum

2b. Corolla tube 1.5–4.5 mm, lobes 3–5.5 mm; coma 4–6 cm.

3a. Branchlets, midvein, and petiole pubescent when young; fruit glabrous. Follicles linear or nearly so, 10 cm × 8 mm; beak 2.5 mm; coma ca. 2 cm, recurved. Fl. Mar-Jun.

- Thickets, forests; 400 m. N Taiwan.


**Formosia** benthamiana (Hemsley) Pichon.

Lianas glabrous except for flowers. Branches dark brown, branchlets pale gray. Petiole 0.5–1.5 cm; leaf blade narrowly oblong or narrowly ovate, 5–14 × 1–5 cm, leathery, apex obtuse or acute; lateral veins 5–7 pairs. Cymes terminal, 5–15 × 8–9 cm, ca. 20-flowered. Sepals ovate, 3–4 × ca. 3 mm. Corolla tube 1.5–2.5 cm, pubescent inside; lobes oblong, 1.5–2.5 cm. Stamens inserted at base of corolla tube; disc cup-shaped, apex undulate. Ovary glabrous. Follicles narrowly oblong or ovoid-cylindric, 6–12 × ca. 1.5 cm. Seeds ca. 2 cm × 5 mm; beak ca. 2.5 cm; coma ca. 2 cm, recurved. Fl. Mar-Jun.

- Thickets, forests; 400 m. N Taiwan.


**Formosia** punctatum var. laevis Tsiang, Sunyatsenia 2: 129. 1934.

Lianas to 20 m, glabrous except for corolla tube. Branches dark brown. Petiole 6–10 mm; leaf blade oblong or subovate, 5–9 × 2–3 cm, base obtuse or cuneate, apex acute, adaxially lustrous, abaxially with minute, scattered, peltate, brownish sessile glands; lateral veins ca. 13 pairs, wrinkled. Cymes thyrseform, pedunculate ca. 6 cm. Pedicel ca. 0.5 mm. Sepals ovate to elliptic, ca. 2 mm. Corolla tube ca. 3 mm; lobes narrowly oblong, ca. 4 mm, apex slightly falcate; disc ringlike, 5-lobed. Ovary as long as disc. Style very short; pistil head thick, conical, 5-angled. Follicles paired, linear, 11–12 × ca. 1 cm, base sometimes slightly dilated. Seeds brown, ovate, ca. 2 cm × 5 mm, coma ca. 4 cm. Fl. Apr–May, fr. Jun–Dec.

- Dense montane forests; 300–800 m. Guangxi, Hainan, Sichuan.


**Formosia** xian ye shan teng

**Holarhena affinis** Hooker & Arnott, Bot. Beechey Voy. 198. 1837; Aganosma laevis Champion ex Bentham; Anodendron affine var. effusum Tsiang; A. affine var. pingtiense Tsiang & P. T. Li; A. fangchengense Tsiang & P. T. Li; A. laeve (Champion ex Bentham) Maximowicz ex Franchet & Savatier; A. salicifolium Tsiang & P. T. Li; A. suishaense Hayata.

Lianas to 10 m, glabrous except for corolla. Branches

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pale gray. Petiole 0.5–2 cm; leaf blade deep green adaxially, lighter abaxially, narrowly oblong to narrowly ovate, 3–14 × 1.2–5 cm, papery or somewhat leathery; lateral veins 6–12 pairs, usually wrinkled in dry state. Cymes paniculate, terminal or axillary, 3–26 × 3–13 cm, long pedunculate. Sepals ovate, 2–3 mm. Corolla white or yellowish green, pilose inside, tube 3–4.5 mm; lobes falcate, narrowly oblong, as long as or shorter than tube. Stamens inserted at base of corolla tube; disc cup-shaped, shallowly 5-lobed or entire, attached to ovaries. Follicles narrowly ellipsoid, dilated at base, 8–13 × 1.6–3 cm. Seeds tawny, beaked, ca. 2 cm × 6 mm, coma ca. 6 cm. Fl. Apr-Nov.

Sparse woods, brushwoods; 200–1000 m. Fujian, Guangdong, Guangxi, Guizhou, Hainan, Hubei, Hunan, Sichuan, Taiwan, Yunnan, Zhejiang [India, Japan, Vietnam].


平脉藤 ping mai teng


Lianas to 15 m, glabrous except for sepals. Petiole 5–13 mm; leaf blade oblong or narrowly so, 6–17 × 1.5–4 cm, base rounded, apex acute; lateral veins ca. 30 pairs, nearly at a right angle to midvein, flattened on both surfaces. Cymes paniculate, terminal and axillary, 5-branched, ca. 14.5 × 19 cm, many flowered. Flowers small. Sepals ovate, puberulent outside. Corolla yellowish green, lobes longer than tube. Stamens inserted at base of corolla tube; disc ringlike, apex obscurely 5-cleft. Ovary glabrous, half sunken in disc. Style short; pistil head beaklike. Fl. May-July.

• Dense montane forests; 1800 m. S Yunnan.