

3. ALNIPHYLLUM Matsumura, Bot. Mag. (Tokyo) 15: 67. 1901.

赤杨叶属 *chi yang ye shu*

Trees deciduous. Leaves alternate; stipules absent; leaf blade margin serrate. Inflorescences terminal or axillary, racemes or panicles; bracteoles small. Pedicel jointed. Flowers bisexual. Calyx tube cupular, 5-toothed. Corolla campanulate; lobes 5, imbricate. Stamens 10, 5 long and 5 short; filaments broad and flattened, mostly connate into a broad tube and adnate to corolla; anthers oblong. Ovary superior, 5-locular; ovules 8–10 per locule, 2 series in central axis. Style linear, slender; stigma obscurely 5-lobed. Fruit capsular, loculicidally dehiscent into 5 valves, exocarp slightly fleshy. Seeds with irregularly membranous wings at each end; embryo straight.

Three species: China, India, Laos, Myanmar, Vietnam; three species in China.

- 1a. Inflorescences 3–5 cm; pedicel 1–2 mm; seeds ca. 3.5 mm 3. *A. eberhardtii*
- 1b. Inflorescences 8–15(–20) cm; pedicel 4–8 mm; seeds 5–7 mm.
 - 2a. Leaf blade elliptic, broadly elliptic, or obovate-elliptic, indument brown; calyx 4–5 mm 1. *A. fortunei*
 - 2b. Leaf blade ovate to ovate-lanceolate, rarely elliptic-lanceolate, indument gray; calyx ca. 6 mm 2. *A. pterospermum*

1. *Alniphyllum fortunei* (Hemsley) Makino, Bot. Mag. (Tokyo) 20: 93. 1906.

赤杨叶 *chi yang ye*

Halesia fortunei Hemsley in F. B. Forbes & Hemsley, J. Linn. Soc., Bot. 26: 75. 1889; *Alniphyllum buddleiifolium* Hu & Cheng; *A. fauriei* Perkins; *A. hainanense* Hayata; *A. macranthum* Perkins; *A. megaphyllum* Hemsley & E. H. Wilson.

Trees to 20 m tall. Trunk straight; bark gray-brown. Branchlets brownish stellate pubescent. Petiole 1–2 cm; leaf blade elliptic, broadly elliptic, or obovate-elliptic, 5–15(–20) × 4–7(–11) cm, papery, sparsely to densely brown stellate pubescent to tomentose, abaxially sometimes glabrescent, base broadly cuneate to cuneate, margin remotely serrate, apex acute to acuminate; secondary veins 7–12 per side, tertiary veins reticulate. Inflorescences terminal or axillary, racemes or panicles, 10–20-flowered, 8–15(–20) cm. Flowers 1.5–2 cm. Pedicel 4–8 mm. Calyx 4–5 mm, densely gray stellate pubescent; teeth ovate-lanceolate. Corolla lobes elliptic, 1–1.5 cm × 5–7 mm. Filament tube ca. 8 mm; anthers ca. 3 mm. Style 1.5–1.8 cm, villose. Fruit oblong to ellipsoid, 1–1.8(–2.5) × 0.6–1(–1.2) cm, sparsely white stellate pubescent or glabrous. Seeds 5–7 mm. Fl. Apr–Jul, fr. Aug–Oct.

Mixed slopes; 200–2200 m. Anhui, Fujian, Guangdong, Guangxi, Guizhou, Hainan, Hubei, Hunan, Jiangsu, Jiangxi, Sichuan, Yunnan, Zhejiang [India, Laos, Myanmar, Vietnam].

2. *Alniphyllum pterospermum* Matsumura, Bot. Mag. (Tokyo) 15: 67. 1901.

台湾赤杨叶 *tai wan chi yang ye*

Trees to 15 m tall. Trunk 30–50 cm d.b.h., straight. Branchlets densely brown stellate pubescent or glabrous. Petiole 1–1.2 cm; leaf blade ovate to ovate-lanceolate, sometimes elliptic-lanceolate, 10–15 × 4–5 cm, membranous to leathery, gray stellate pubescent, abaxially slightly denser, base cuneate to broadly cuneate, margin remotely serrate, apex acuminate; secondary veins 9–11 per side, tertiary veins reticulate. Panicles axillary in apical part of branchlets, 10–15-flowered, ca. 8 cm. Flowers 1.3–1.6 cm. Pedicel ca. 4 mm. Calyx ca. 6 mm, stellate pubescent; teeth lanceolate. Corolla lobes oblong, ca. 1.3 cm × 5 mm, apex rounded. Filament

tube ca. 8 mm. Style ca. 1.8 mm. Fruit oblong to long ellipsoid, ca. 1.2 cm. Seeds narrowly oblong, 5–7 mm. Fl. Apr–May, fr. Aug–Sep.

* Sparse forests; ca. 700 m. Taiwan.

3. *Alniphyllum eberhardtii* Guillaumin, Bull. Soc. Bot. France 70: 885. 1923.

滇赤杨叶 *dian chi yang ye*

Trees 10–30 m tall. Trunk to 30 cm d.b.h. Branchlets and petioles densely brown scaly, soon glabrescent. Leaf blade, oblong-elliptic to elliptic-lanceolate, 10–18 × 5–8 cm, papery, abaxially densely gray to yellowish stellate tomentose, adaxially sparsely stellate pubescent or glabrous, base cuneate to broadly cuneate, margin serrulate, apex acute to acuminate; secondary veins 11–15 per side, tertiary veins subparallel. Panicles, compact, 10–30-flowered, 3–5 cm. Flowers ca. 1.5 cm. Pedicel 1–2 mm. Calyx ca. 4 mm, densely yellow stellate pubescent; teeth ovate-lanceolate, ca. 2 mm. Corolla lobes oblong to elliptic, 1–1.3 cm. Filament tube ca. 1 cm; anthers ca. 3 mm. Style longer than corolla. Fruit oblong, 7–12 mm. Seeds ca. 3.5 mm. Fl. Mar–Apr, fr. Jul–Sep.

Mixed forests; 600–800 m. S Guangxi, SE Yunnan [Vietnam].

