

## CERCIDIPHYLLACEAE

连香树科 lian xiang shu ke

Fu Dezhi (傅德志)<sup>1</sup>; Peter K. Endress<sup>2</sup>

Trees deciduous, dioecious. Ramification system with long vegetative shoots and short vegetative or reproductive shoots. Stipules early deciduous. Leaves opposite or rarely alternate on long shoots, single on short shoots, petiolate; leaf blades papery, simple, palmately veined. Inflorescences appearing before leaves, fasciculate. Flowers produced on short shoots, each flower subtended by a bract or bract suppressed; perianth lacking. Staminate inflorescences subsessile; flowers ca. 4 or more, difficult to separate from each other, sessile; stamens (1–)7–13 per flower. Pistillate inflorescences short pedunculate; flowers 2–6(–8), sessile; carpel 1; ovules 15–30, in 2 rows. Fruit a follicle. Seeds flattened, winged; endosperm oily; embryo large.

One genus and two species: China, Japan; one species in China.

Kuan Ke-chien. 1979. Cercidiphyllaceae. Fl. Reipubl. Popularis Sin. 27: 22–24.

### 1. CERCIDIPHYLLUM Siebold & Zuccarini, Abh. Math.-Phys. Cl. Königl. Bayer. Akad.

Wiss. 4(3): 238. 1846.

连香树属 lian xiang shu shu

Morphological characters and geographical distribution are the same as those of the family.

1. *Cercidiphyllum japonicum* Siebold & Zuccarini, Abh. Math.-Phys. Cl. Königl. Bayer. Akad. Wiss. 4(3): 238. 1846.

连香树 lian xiang shu

*Cercidiphyllum japonicum* var. *sinense* Rehder & E. H. Wilson.

Trees, 10–20 m tall. Branchlets glabrous. Leaves dimorphic; leaf blade glabrous or abaxially hairy in axils of basal veins; veins ca. 5–7, abaxially slightly prominent. Long shoot leaves: petiole 1.5–2 cm; leaf blade 3.2–4.5 × 1.9–3.2 cm, ovate, elliptic, or obovate, base rounded, truncate, or slightly cuneate, margin entire or finely serrate, apex acute. Short shoot leaves: petiole 1.4–4.7 cm; leaf blade 3.7–9 × 5–8.3 cm, ovate to reniform, base cordate, margin crenate, apex rounded. Staminate flowers: stamens ca. 9 mm; filaments filiform; anthers pink, 3–4 mm, narrowly oblong, longitudinally dehiscent, apex short apiculate. Pistillate flowers: carpel 1–1.5 cm; stigma red, decurrent, 2-ridged. Follicle brown to black, oblong, 10–18 × 2–3 mm, with a short persistent style. Seeds brown, flat, trapezoidal, 4–5 mm, winged; wing at the proximal end, 3–4 mm. Fl. Apr, fr. Aug.  $2n = 38$ .

Forests, forest margins, by streams; 600–2700 m. S and W Anhui, S Gansu, NE Guizhou, SW Henan, Hubei, NW Hunan, N Jiangxi, S Shaanxi, SW Shanxi, Sichuan, NE Yunnan, NW Zhejiang [Japan].

<sup>1</sup> Herbarium, Institute of Botany, Chinese Academy of Sciences, 20 Nanxincun, Xiangshan, Beijing 100093, People's Republic of China.

<sup>2</sup> Institut für Systematische Botanik der Universität Zürich, Zollikerstrasse 107, CH-8008, Zürich, Switzerland.