

CERCIDIPHYLLACEAE

连香树科 lian xiang shu ke

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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.

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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.

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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].

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