

**14. GYMNOCLADUS** Lamarck, Encycl. 1: 733. 1785, nom. cons.

肥皂荚属 fei zao jia shu

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Trees, deciduous, unarmed. Branches robust. Leaves abruptly bipinnate; stipules caducous, small. Inflorescences racemes or corymbose panicles, terminal. Flowers whitish, actinomorphic, polygamous or plants dioecious. Receptacle discoid. Sepals 5, subequal, narrow. Petals 4 or 5, slightly longer than sepals, oblong, imbricate, innermost one sometimes absent. Stamens 10, free, shorter than corolla, alternately shorter and longer; filaments thick, slightly villous; anthers dorsifixed, opening by lateral slits. Ovary in male flowers reduced or absent, in female or bisexual flowers sessile, 7- or 8-ovuled; style straight, slightly thick and compressed; stigma oblique. Legume sessile, turgid, subterete, 2-valved, full of pulp inside between seeds. Seeds large; testa leathery; radicle erect, short.

Three or four species: North America and S Asia; one species (endemic) in China.

**1. *Gymnocladus chinensis* Baillon, Bull. Mens. Soc. Linn. Paris 1: 34. 1875.**

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*Gymnocladus guangxiensis* P. C. Huang & Q. W. Yao.

Trees, 5–12 m tall. Bark grayish brown, with conspicuous whitish lenticels. Branchlets of current year ferruginous or whitish puberulent, glabrescent. Leaves 20–25 cm, without stipules; rachis sulcate, puberulent; pinnae opposite, subopposite, or alternate, 5–10 pairs; leaflets alternate, 8–12 pairs, subsessile, with subulate stipels; blades oblong, 2.5–5 × 1–1.5 cm, both surfaces silky pubescent, both ends rounded, base slightly oblique, apex sometimes emarginate. Racemes puberulent.

Flowers polygamous, pendulous, whitish or tinged with purple, long pedicellate. Bracts small or absent. Receptacle deeply concave, 5–6 mm, puberulent. Sepals subulate, slightly shorter than receptacle. Petals oblong, slightly longer than sepals, hairy, apex obtuse. Filaments pubescent. Ovary sessile, glabrous, 4-ovuled; style short, thick; stigma capitate. Legume oblong, 7–10 × 3–4 cm, compressed or turgid, glabrous, apex shortly beaked. Seeds 2–4, blackish, subglobose, slightly compressed, ca. 2 cm in diam., glabrous. Fr. Aug.  $2n = 28^*$ .

• Slopes, mountain sides, mixed forests, sides of rocks, near villages, beside houses; 100–1500 m. Anhui, Fujian, Guangdong, Guangxi, ?Guizhou, Hubei, Hunan, Jiangsu, Jiangxi, Sichuan, ?Yunnan, Zhejiang.

