

## 17. PELTOPHORUM (Vogel) Bentham, J. Bot. (Hooker) 2: 75. 1840, nom. cons.

盾柱木属 *dun zhu mu shu*

Chen Dezhaoh (陈德昭 Chen Te-chao), Zhang Dianxiang (张奠湘); Ding Hou

*Caesalpinia* sect. *Peltophorum* Vogel, *Linnaea* 11: 406. 1837.

Trees, deciduous, unarmed. Leaves abruptly bipinnate; pinnae opposite; leaflets numerous, sessile. Inflorescences panicles or racemes, axillary or terminal; bracts caducous or persistent, small; bracteoles absent. Flowers hermaphroditic, yellow; receptacle short. Sepals 5, subequal. Petals 5, as sepals imbricate. Stamens 10, free; filaments slightly exerted, with pilose tuft at bases; anthers oblong, dorsifixed. Ovary sessile, free from receptacle, 2- or more ovuled; style filiform, long, or discoid; stigma broadly peltate, capitate, or discoid, large. Legume compressed, lanceolate-oblong, rarely elongated, indehiscent, veined at middle, with broad wing on each suture. Seeds 2–8, compressed, without endosperm.

About 12 species: tropical regions; two species (one introduced) in China.

- 1a. Pedicels nearly as long as flower buds; stipules entire; flowers in panicles; stigma 3-lobed; legume veined on whole valve when mature ..... 1. *P. pterocarpum*  
1b. Pedicels ca. 2 × as long as flower buds; stipules lobed; flowers in racemes; stigma entire; legume not veined at middle of valve when mature ..... 2. *P. tonkinense*

**1. *Peltophorum pterocarpum*** (Candolle) Backer ex K. Heyne, *Nutt. Pl. Ned.-Ind.*, ed. 2, 2: 755. 1927.

盾柱木 *dun zhu mu*

*Inga pterocarpa* Candolle, *Prodr.* 2: 441. 1825; *Caesalpinia ferruginea* Decaisne; *C. inermis* Roxburgh; *Peltophorum ferrugineum* (Decaisne) Bentham; *P. inerme* (Roxburgh) Naves ex Fernández-Villar; *P. roxburghii* (G. Don) O. Degener; *Poinciana roxburghii* G. Don.

Trees, 4–15 m tall. Young shoots, petioles, and inflorescences ferruginous hairy; old branches with yellowish, small lenticels. Leaves 30–42 cm; petiole robust; rachis 25–35 cm; pinnae 7–15 pairs, opposite, 8–12 cm; leaflets (7–)10–21 pairs, crowded together, oblong-obovate, 1.2–1.7 cm × 5–7 mm, leathery, abaxially pale green, adaxially deep green, base oblique, margin entire, apex rounded, mucronate. Panicles terminal or axillary, densely ferruginous puberulent; bracts caducous, 5–8 mm. Pedicels ca. 5 mm, ca. as long as flower buds, 5–7 mm from one another. Flower buds globose, 5–8 mm in diam. Sepals ovate, 5–8 × 4–7 mm, outside ferruginous tomentose. Petals obovate, 1.5–1.7 cm × 8–10 mm, densely ferruginous pubescent at middle of both surfaces, long clawed. Filaments ca. 1.2 cm, hirsute at base; anthers ca. 3 mm, sagittate at base. Ovary stalked, hairy, 3- or 4-ovuled; style filiform, much longer than ovary, smooth; stigma discoid, 3-lobed. Legume winged, compressed, fusiform, narrowed to both ends, longitudinally veined at middle part; wings 4–5 mm wide. Seeds 2–4. *2n* = 26.

Cultivated in Guangdong (Guangzhou), Guangxi, Yunnan [Bhutan (cultivated), India, Indonesia, Malaysia, Sri Lanka, Thailand, Vietnam; Australia, N Oceania; introduced in E Africa and many other tropical countries].

**2. *Peltophorum tonkinense*** (Pierre) Gagnepain in Lecomte, *Fl. Indo-Chine* 2: 192. 1913.

银珠 *yin zhu*

*Baryxylum tonkinense* Pierre, *Fl. Forest. Cochinch.* t. 391C. 1899; *Peltophorum dasyrhachis* (Miquel) Kurz ex Baker var. *tonkinense* (Pierre) K. Larsen & S. S. Larsen.

Trees, 12–20 m tall. Young parts and inflorescences densely ferruginous hairy, glabrescent; old branches with small ferruginous lenticels. Leaves 15–35 cm; rachis 8–25 cm; petiole robust, 3–15 cm; pinnae 6–13 pairs, opposite as leaflets; rachis 4–9 cm, sulcate, inflated at base; leaflets 5–14 pairs, abaxially pale green, adaxially deep green, oblong, 1.5–2 × 0.6–1 cm, adaxially smooth, ferruginous hairy on midvein at first, glabrescent, base attenuate, oblique, apex rounded, emarginate, or mucronate. Racemes subterminal, 8–10 cm. Flowers fragrant, yellowish, large. Pedicels 1–1.5 cm, ferruginous hairy. Receptacle discoid. Sepals subequal, oblong, 8–9 mm, lowest one narrower. Petals obovate-orbicular, ca. 1.5 cm, clawed, margin undulate, ferruginous villous on midvein on both surfaces. Filaments ca. 1 cm, inflated at base, densely ferruginous hairy; anthers oblong, ca. 3.5 mm. Ovary with short stalk, compressed, ferruginous hairy, 2- or 3-ovuled; style filiform, 2–3 × as long as ovary; stigma capitate. Legume reddish brown, fusiform, 8–13 cm, 2.5–3 cm at middle part, thinly leathery, asymmetric at both ends, acuminate, hairy at first, smooth and glabrous when old, winged on both sides; wings 5–7 mm wide. Seeds 3 or 4, yellowish when mature, compressed, obliquely obovoid, ca. 14 × 6 mm. Fl. Mar–Jul, fr. Apr–Oct.

Sparse forests, mountain slopes; 300–400 m. Fujian, Hainan [Cambodia, Laos, Vietnam].

