

55. PTEROCARPUS Jacquin, Select. Stirp. Amer. Hist. 283. 1763, nom. cons.,
not Linnaeus (1754).

紫檀属 *zi tan shu*

Trees. Branches spreading, glabrous to pubescent. Leaves alternate, imparipinnate; stipules small, caducous; stipels absent; leaflets alternate, rarely subopposite. Inflorescence a simple raceme to a lax, terminal or axillary panicle. Flowers yellow; bracts and bracteoles small, caducous. Pedicel articulate. Calyx often incurved, obconical, 5-toothed; teeth short, upper 2 ± connate. Corolla papilionaceous, exerted beyond calyx; petals long clawed; standard ovate to orbicular, as keel crisped on margin. Stamens 10, monadelphous to diadelphous (5+5 or 9+1), staminal sheath split open dorsally; anthers versatile. Ovary stipitate or sessile, 2–6-ovuled; style incurved, filiform, glabrous; stigma terminal. Legume indehiscent, orbicular, compressed, broadly hardened winged around margin, usually 1-seeded; style persistent, incurved. Seeds oblong or subreniform, hilum small.

About 30 species: pantropical with the exception of Australia, with the greatest diversity in Africa; one species in China.

1. Pterocarpus indicus Willdenow, Sp. Pl. 3: 904. 1802.

紫檀 *zi tan*

Pterocarpus wallichii Wight & Arnott; *P. zollingeri* Miquel.

Trees, 15–25 m tall. Bark grayish. Leaves 15–30 cm; stipules early caducous; petiolules 4–7 mm; rachis and petiolule glabrous; leaflets 5–7(–11), ovate-elliptic, 5–11 × 3.5–5.5 cm, thinly papery, both surfaces glabrous, veins slender, lateral veins 6–8 pairs, base truncate, margin entire, apex shortly acuminate. Inflorescence a raceme or panicle, mostly axillary, rarely terminal, 10–18 cm, puberulent. Flowers 1–1.5 cm; bracteoles 2, linear-oblong, at base of calyx. Pedicel 7–10 mm, slender. Calyx campanulate, 4–6 mm, appressed brown silky; teeth broadly

triangular, ca. 1 mm, 2 larger than others. Corolla yellow; petals long clawed; standard ovate-orbicular to oblong, crisped at margin; wings oblong, ca. as long as standard; keel narrowly oblong, smaller than wings. Stamens 10, diadelphous (9+1), sheath 8–9 mm, vexillary filament free to base, filaments of varying heights; anthers versatile. Ovary shortly stipitate, oblong, 7–8 mm, densely pubescent; ovules 2; style curved; stigma minute. Legume orbicular, 4–4.5 × 3.5–4.5 cm, shortly stalked, flat, slightly hairy and reticulate opposite seed, 1-seeded, broadly winged around margin, wing to 2 cm wide. Seed brownish, reniform, narrow and oblique. Fl. Mar–Apr, fr. Apr–May.

Open forests on slopes, cultivated in villages and gardens. Guangdong, Taiwan, Yunnan [India, Indonesia, Malaysia, Myanmar, Papua New Guinea, Philippines, Thailand, Vietnam; Pacific islands].

