

## 7. *SINDORA* Miquel, Fl. Ned. Ind., Suppl. 1: 287. 1861.

油楠属 you nan shu

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

Trees. Leaves abruptly pinnate; stipules leaflike; leaflets 2–10 pairs, leathery. Flowers bisexual, in terminal panicles or racemes; bracts and bracteoles caducous, ovate. Calyx tube very short, with disk at base; lobes 4, valvate or margin narrowly imbricate, ± with soft bristles. Petal 1, rarely 2. Stamens 10: 9 shortly united into an oblique tube, upper stamen free and reduced to an antherless, slightly short staminode; anthers oblong, dorsifixed, opening lengthwise. Ovary 2–5-ovuled, shortly stalked; style filiform, circinate; stigma small. Legume compressed, usually orbicular or oblong, ± oblique, large, dehiscent, often shortly prickly on surface of valves, rarely without prickles. Seeds 1 or 2, black, shiny, with a large fleshy aril at base.

Between 18 and 20 species: WC Africa (Gabon) and mostly in SE Asia; two species (one endemic, one introduced) in China.

- 1a. Calyx lobes outside with soft bristles; legume with dispersed, hard, straight prickles ..... 1. *S. glabra*
- 1b. Calyx lobes without bristles; legume smooth, without prickles ..... 2. *S. tonkinensis*

**1. *Sindora glabra*** Merrill ex de Wit, Bull. Jard. Bot. Buitenzorg, sér. 3, 18: 46. 1949.

油楠 you nan

Trees, 8–20 m tall. Trunk 30–60 cm d.b.h. Leaves 10–20 cm; petiolules ca. 5 mm; leaflets 2–4 pairs, opposite, elliptic-oblong, rarely ovate, 5–10 × 2.5–5 cm, lateral veins slender, together with reticulate veinlets obscure, base rounded, slightly oblique, apex obtusely acute or shortly acuminate. Panicles in axils of apical leaves, 15–20 cm, densely yellowish pubescent; bracts ovate, leaflike, 5–7 mm. Pedicels 2–4 mm, with 1 or 2 bracteoles from middle upward; bracteoles linear-lanceolate, 5–6 mm; bracts, pedicels, and bracteoles densely yellowish pubescent. Calyx lobes yellowish pubescent on both surfaces, dimorphic, uppermost one broadly ovate, ca. 5.5 × 5 mm, back arcuate, with 21–23 soft bristles, other 3 elliptic-lanceolate, with 6–10 soft bristles. Petal 1, enclosed in uppermost calyx lobe, oblong-orbicular, ca. 5 × 2–6 mm, outside densely pubescent, inside glabrous, base subtruncate, obscurely clawed, margin ciliate, apex rounded. Fertile stamens 9, staminal tube ca. 2 mm, both sides adpressed brown strigose, especially inside; anthers subequal in size, 2–3 mm, apex emarginate, sometimes cuspidate. Ovary ca. 3 mm, densely strigose, 4- or 5-ovuled; stalk ca. 0.8 mm; style convolute, glabrous. Legume orbicular or elliptic, 5–8 × ca. 5 cm, with dispersed, hard, straight prickles; valves often shedding glue when cut. Seed solitary, blackish, spheroidal, ca. 1.8 cm in diam. Fl. Apr–May, fr. Jun–Aug.

• Mixed forests, mountain slopes, riverbanks; near sea level to 800 m. Fujian, Guangdong, Hainan, Yunnan.

The wood has good qualities and is used for building houses and making furniture.

**2. *Sindora tonkinensis*** A. Chevalier ex K. Larsen & S. S. Larsen, Fl. Cambodge, Laos & Vietnam 18: 122. 1980.

东京油楠 dong jing you nan

Trees, to 15 m tall. Branches glabrous. Leaves 10–20 cm, glabrous; stipules caducous; petiolules ca. 5 mm; leaflets 4 or 5 pairs, ovate, narrowly ovate, or elliptic-lanceolate, 6–12 × 3.5–6 cm, glabrous, asymmetric, upper side narrower than lower side,

base rounded or broadly cuneate, margin entire, apex acuminate or shortly acuminate. Panicles in axils of apical leaves, 15–20(–30) cm, together with bracteoles, calyx, petal, and ovary densely yellowish pubescent; bracts triangular, 5–10 mm. Pedicels 2–4 mm, with 1 or 2 bracteoles from middle upward; bracteoles elliptic-lanceolate, ca. 5 mm. Calyx lobes 4, outside with bristles, inside densely yellowish hirsute. Petal thick, ca. 8 mm. Filaments filiform, 1–1.5 cm, densely yellowish pubescent at base; anthers 3–4 mm. Ovary shortly stalked, without prickles; style convolute, 1–1.5 cm, glabrous. Legume suborbicular or elliptic, 7–10 × 4–6 cm, apex beaked, smooth,

without prickles. Seeds 2–5, blackish, spheroidal. Fl. May–  
Jun, fr. Aug–Sep.

Cultivated. Guangdong (Guangzhou) [native to ?Cambodia and  
Vietnam].

