

## 71. GYMNANTHES Swartz, Prodr. 95. 1788.

裸花树属 *luo hua shu shu*

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*Duvigneaudia* J. Léonard.

Shrubs to trees, monoecious but male flowers sometimes lacking; indumentum mostly absent [or sometimes of simple multicellular hairs], latex present, white. Leaves alternate; stipules small; petiole without glands; leaf blade margins entire [to rarely serrate], with marginal glands abaxially, pinnately veined. Inflorescences terminal or axillary, elongate racemelike thyrses, unbranched [rarely branched]; bracts 2-glandular [or eglandular]. Male flowers 1–3 per bract-axil, small; pedicel short but distinct; sepals 3, small, fused only at base; petals absent; disk absent; stamens 3–12; filaments free; anthers longitudinally dehiscent; pistillode absent. Female flowers: pedicel distinct and often elongating considerably in fruit; sepals 3, free to slightly united at base; petals absent; disk absent; ovary 3-locular, smooth or muricate with 3 pairs of spines; ovules 1 per cell; styles 3, undivided. Capsules subglobose, smooth or muricate, of 3 2-valved cocci. Seeds ellipsoid, dry, usually ecarunculate; endosperm fleshy.

About 25 species: mainly neotropical, but with two species each in Africa and Asia; one species in China.

### 1. *Gymnanthes remota* (Steenis) Esser, Blumea 44: 172. 1999.

裸花树 *luo hua shu*

*Sebastiania remota* Steenis, Bull. Jard. Bot. Buitenzorg, sér. 3, 17: 410. 1948; *Excoecaria yunnanensis* Y. H. Li & J. C. Xu.

Trees 12–20 m tall, glabrous. Stipules [0.5–1 mm] caducous; petioles 5–7 mm; leaf blade elliptic, 5–9 × 1.5–3 cm, thickly papery to thinly leathery, base cuneate, margin entire, with few indistinct abaxial marginal glands, apex acuminate; midrib abaxially prominent, adaxially slightly impressed, lateral

veins 14–18 pairs, arching and distinctly looped. Inflorescences terminal or axillary, male inflorescences dense, racemelike, ca. 2 cm, bracts broadly ovate, ca. 0.7 mm, acuminate, with a pair of glands 0.3–0.4 mm, each bract 1-flowered. Male flowers: pedicel to 1 mm; sepals 0.5–0.7 mm, hardly fused; stamens 3; filaments slightly longer than anthers. Female flowers not seen. Fruits 1 or 2 per node; pedicel 3–5 cm, thickening apically; capsule ca. 1 cm, 3-celled, sometimes with only 1 or 2 seeds, slightly reticulate but otherwise smooth outside. Seeds ca. 8 mm.

Local but also common in wet tropical montane forests, in a community described as *Parachmeria yunnanensis*–*Gymnanthes remota* forest; 1600–2000 m. S Yunnan (Jinghong) [Indonesia (N Sumatra)].

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