

21. FRIESODIELSIA Steenis, Bull. Jard. Bot. Buitenzorg, sér. 3, 17: 458. 1948.

尖花藤属 jian hua teng shu

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Polyalthia sect. *Oxymitra* Blume, Fl. Javae, Annonaceae, 71. 1830; *Oxymitra* (Blume) J. D. Hooker & Thomson (1855), not Bischoff ex Lindenberg (1829).

Climbers [rarely trees], with simple hairs. Inflorescences leaf-opposed, extra-axillary, or superaxillary, 1-flowered, bracteate. Flowers (not known for only Chinese species) bisexual. Sepals 3, valvate, ± connate at base. Petals 6, in 2 whorls, free, valvate; outer petals flat or 3-ridged, long and narrow, leathery, basally broadened and concave; inner petals much shorter than outer, ovate, lanceolate, or oblong, narrowed at base and often with a gap between petals, cohering to cover stamens and carpels. Stamens many; connectives apically enlarged and concealing anther locules, apex truncate. Carpels many, oblong; ovules 1–5 per carpel, lateral; styles clavate. Fruit apocarpous; monocarps stipitate, subglobose [or globose to ellipsoid-cylindric], moniliform when more than 1-seeded; epicarp thin to thick. Seed usually 1 per monocarp, subglobose.

About 50–60 species: Old World tropics; one species (endemic) in China.

There has been considerable confusion between *Friesodielsia* and the genus *Richella* A. Gray. Recent accounts (e.g. Kessler in Kubitzki, Fam. Gen. Fl. Pl. 2: 119. 1993) have restricted *Richella* to just 2 or 3 species, which molecular studies (Nakkuntod et al., Taxon 58: 127–132. 2009) show to be most closely related to *Goniothalamus*. Most species previously placed within *Richella* are now placed in *Friesodielsia*.

1. *Friesodielsia hainanensis* Tsiang & P. T. Li, Acta Phytotax. Sin. 9: 377. 1964.

尖花藤 jian hua teng

Richella hainanensis (Tsiang & P. T. Li) Tsiang & P. T. Li.

Climbers to 5 m tall, woody, glabrous except for slightly puberulent leaf blade midvein. Petiole 5–8 mm; leaf blade oblong to oblong-elliptic, 10–21.5 × 3.7–7.5 cm, papery, abaxially glaucous, secondary veins 13–15 on each side of midvein, base shallowly cordate, apex acute to shortly acuminate. Flowers not seen. Monocarp stipes 5.3–7.5 cm, slender; monocarps subglobose, ca. 10 × 8 mm, apex apiculate. Seed 1 per monocarp, brown, subglobose, ca. 8 × 6 mm, testa thin. Fl. Aug–Sep, fr. Oct.

- Forested slopes; 300–500 m. Hainan (Baoting).

The generic placement of *Friesodielsia hainanensis* must remain in doubt without knowledge of the flowers. It is listed as Vulnerable (VU D2) by the *IUCN Red List of Threatened Species* (Version 2010.3; <http://www.iucnredlist.org>; accessed on 8 Oct 2010, as *Richella hainanensis*).

