

167. ARACHNIS Blume, Bijdr. 365. 1825.

蜘蛛兰属 zhi zhu lan shu

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Arachnanthe Blume; *Arhynchium* Lindley & Paxton.

Herbs, epiphytic, robust, monopodial. Stems scrambling, elongate, often to several meters, branched, leafy. Leaves oblong, rigid, somewhat fleshy or leathery, base sheathing, apex bilobed. Inflorescence lateral, ascending or pendulous, rigid, often long and branched, few to many flowered; peduncle and rachis slender. Flowers fragrant, resupinate, often large and showy, usually widely opening, often spiderlike. Sepals and petals similar, spreading, narrowly oblong to linear, usually widened toward apex; lateral sepals and petals often falcate-curved. Lip short, 3-lobed, jointed to column foot by a short movable strap, base saccate or spurred; mid-lobe with a raised, central ridge or callus; column short, stout; stipe short, broad; viscidium broadly ovate; pollinia 4, appearing as 2 unequal masses, waxy.

About 13 species: from NE India and mainland Asia to Indonesia, New Guinea, and the Pacific islands; one species in China.

1. *Arachnis labrosa* (Lindley & Paxton) H. G. Reichenbach, Bot. Centralbl. 28: 343. 1886.

窄唇蜘蛛兰 zhai chun zhi zhu lan

Stems to 50 cm, 7–10 mm in diam., rigid, with many nodes and leaves. Leaves distichous; leaf blade lorate or linear, 15–30 × 1.6–2.2 cm, leathery, obtusely unequally bilobed. Inflorescence arising from within leaf sheath, ascending, racemose, to 1 m, occasionally branched, laxly many flowered; floral bracts reddish brown, broadly ovate, 5–8 mm, obtuse. Flowers pale yellow with reddish brown spots or markings mostly along margins and at apex, or greenish yellow without red-brown markings; pedicel and ovary brown, ca. 2 cm, slender. Sepals oblanceolate, ca. 18 × 3 mm, obtuse. Petals oblong, 9–11 × 2–5 mm, subacute; lip ca. 1 cm, fleshy, 3-lobed; lateral lobes erect, subtriangular, small, ca. 2 mm wide at base, obtuse; mid-lobe ligulate, fleshy, acute or obtuse, with a thickened appendage abaxially near apex, base with 2 retrorse calli on both sides, spurred; spur saccate-conic, 4–5 mm, thickly fleshy, its entrance ± covered by calli. Column ca. 6 × 4 mm, stout, base with an inconspicuous foot; rostellum triangular, apex widely emarginate; stipe subovate-triangular, ca. 1 mm; viscidium nearly suborbicular. Fl. Aug–Sep. $2n = 38$.

Epiphytic on tree trunks at forest margins, lithophytic on rocks in valleys; 600–1200 m. Guangxi, Hainan, C and S Taiwan, S Yunnan [Bhutan, NE India, ?Japan (Ryukyu Islands), Myanmar, S Vietnam].

1a. Flowers pale yellow with reddish brown spots or markings mostly along margins and at apex; petals ca. 2 mm wide 1a. var. *labrosa*

1b. Flowers greenish yellow, without red-brown markings; petals 4–5 mm wide 1b. var. *zhaoi*

1a. *Arachnis labrosa* var. *labrosa*

窄唇蜘蛛兰(原变种) zhai chun zhi zhu lan (yuan bian zhong)

Arhynchium labrosum Lindley & Paxton, Paxt. Fl. Gard. 1: 142. 1850; *Arachnanthe bilinguis* (H. G. Reichenbach) Benth.; *Armadorum labrosum* (Lindley & Paxton) Schlechter; *Renanthera bilinguis* H. G. Reichenbach; *R. labrosa* (Lindley & Paxton) H. G. Reichenbach.

Flowers pale yellow with reddish brown spots or markings mostly along margins and at apex. Petals ca. 2 mm wide.

Epiphytic on tree trunks at forest margins, lithophytic on rocks in valleys; 800–1200 m. Guangxi, Hainan, C and S Taiwan, S Yunnan [Bhutan, NE India, ?Japan (Ryukyu Islands), Myanmar, S Vietnam].

1b. *Arachnis labrosa* var. *zhaoi* (Z. J. Liu, S. C. Chen & S. P. Lei) S. C. Chen & J. J. Wood, **comb. et stat. nov.**

赵氏蜘蛛兰 zhao shi zhi zhu lan

Basionym: *Arachnis zhaoi* Z. J. Liu, S. C. Chen & S. P. Lei, Acta Bot. Yunnan. 30: 529. 2008.

Flowers greenish yellow, without red-brown markings. Petals 4–5 mm wide.

• Epiphytic on trees; ca. 600 m. Hainan (Changjiang).

