

152. ORNITHOCHILUS (Wallich ex Lindley) Bentham & J. D. Hooker, Gen. Pl. 3: 478, 581. 1883.

羽唇兰属 *yu chun lan shu*

Chen Xinqi (陈心启 *Chen Sing-chi*); Jeffrey J. Wood

Aerides sect. *Ornithochilus* Wallich ex Lindley, Gen. Sp. Orchid. Pl. 242. 1833.

Herbs, epiphytic, monopodial, small. Stems short, unbranched, rigid, enclosed in persistent leaf sheaths, base with many flat aerial roots. Leaves distichous, flat, fleshy, base jointed and shortly sheathed. Inflorescences axillary, paniculate, many flowered, equaling or exceeding leaves; floral bracts small, narrow. Flowers small to medium-sized. Sepals and petals free. Petals smaller and narrower than sepals; lip spurred from distal part of hypochile; epichile 3-lobed, margin ciliate or crenulate; disk with a pilose callus at spur entrance. Column small, fleshy, lacking a foot; rostellar projection elongate, fleshy, obtuse; anther cap truncate; stipe obovate-cuneiform; viscidium obtriangular; pollinia 4, as 2 pollen masses.

Three species: SE Asia and the Indian Himalayas; two species (one endemic) in China.

- 1a. Mid-lobe of lip with fimbriate margin; column ± hairy 1. *O. difformis*
- 1b. Mid-lobe of lip with crisped, crenulate margin; column glabrous 2. *O. yingjiangensis*

1. *Ornithochilus difformis* (Wallich ex Lindley) Schlechter, Repert. Spec. Nov. Regni Veg. Beih. 4: 277. 1919.

羽唇兰 *yu chun lan*

Aerides difformis Wallich ex Lindley, Gen. Sp. Orchid. Pl. 242. 1833; *Ornithochilus delavayi* Finet; *O. eublepharon* Hance; *Sarcochilus difformis* (Wallich ex Lindley) Tang & F. T. Wang.

Stems 2–4 cm, ca. 1 cm in diam. Leaves nearly basal, usually 2 or 3; leaf blade oblong-elliptic or obovate-elliptic, obovate, or oblong, falcate, 7–19 × ca. 5.5 cm, apex obtuse, acute, or acuminate; basal sheaths ca. 1 cm, embracing stem. Inflorescences laxly many flowered; branches spreading, to ca. 21 cm, base sheathed; sheaths overlapping, tubular, 3–6 mm; rachis 9–25 cm, glabrous; floral bracts pale brown, triangular, ca. 2 mm, acute. Flowers opening widely, 0.7–1 cm in diam.; sepals and petals yellow to green with several longitudinal red-brown striations, lip dark maroon with yellow markings at base and margin, spur maroon and green, column purplish brown; pedicel and ovary ca. 1 cm. Sepals and petals slightly recurved; dorsal sepal oblong, ca. 5 × 2 mm, obtuse; lateral sepals obliquely ovate-oblong, ca. as long as and wider than dorsal sepal, obtuse. Petals narrowly oblong, ca. 4 × 1.2 mm, entire or

scabrous, obtuse; lip shortly clawed at base, 3-lobed; lateral lobes suberect, subovate; mid-lobe slightly incurved, anchor-shaped, clawed at base, 3-lobulate; lateral lobules large, margins fimbriate; apical lobule smaller, abaxially slightly beaked, margin entire and incurved, apex obtuse; disk with 1 purplish red, fleshy callus centrally, a pilose callus at front of and a callus on back of spur entrance; spur slightly curved, ca. 4 mm. Column ca. 2 mm, both front sides hairy. Fl. May–Jul. *2n* = 38.

Epiphytic on tree trunks in open forests or at forest margins; 500–2100 m. S Guangdong, Guangxi, SW Sichuan, S and SW Yunnan [Bhutan, India, Indonesia, Laos, Malaysia, Myanmar, Nepal, Thailand, Vietnam].

Ornithochilus difformis is represented in China by var. *difformis*; *O. difformis* var. *kinabaluensis* J. J. Wood, A. L. Lamb & Shim, from Borneo, is distinguished by having greenish yellow sepals and petals and a pure white lip with shorter fimbriate processes on the mid-lobe; more distinct, narrowly winglike lateral lobes; a smaller keel-like callus; and a shorter, usually less curved spur.

2. *Ornithochilus yingjiangensis* Z. H. Tsi, Acta Phytotax. Sin. 22: 479. 1984.

盈江羽唇兰 *ying jiang yu chun lan*

Stems ca. 2 cm. Leaves nearly basal, several, distichous; leaf blade obliquely oblong, 8–13 × 3–4 cm, base sheathing, apex acute. Inflorescences often 2 or 3, pendulous, much longer than leaves, unbranched or with a short branch, laxly many flowered; floral bracts lanceolate, ca. 2 mm, acute. Flowers opening widely, pale yellow with reddish brown stripes; pedicel and ovary ca. 1 cm. Dorsal sepal ovate, ca. 6 × 3.5 mm, 3-veined, obtuse; lateral sepals obliquely ovate, ca. 6 × 4 mm, 4-veined, obtuse. Petals oblong, ca. 4.5 × 1.5 mm, 1-veined, entire, obtuse; lip shortly clawed at base, 3-lobed; lateral lobes auriculate, margins ± scabrous; mid-lobe reniform-cordate, ca. 5 × 6 mm, entire, margin ± crisped and crenulate, apex subtruncate and broadly emarginate; disk with a longitudinal triangular thickened central ridge, a pilose callus at front of and a thickened callus on back of spur entrance; spur straight, tubular, ca. 5 mm. Column short, stout, glabrous. Fl. Jul–Aug.

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- Epiphytic on tree trunks in evergreen broad-leaved forests; 1300–1400 m. SW Yunnan.

