

Cymbidium lowianum var. *ailaoense*, a new variety from Yunnan (Orchidaceae)

XU Xiang-ming¹, CHEN Li-jun², OUYANG Xiong¹

(1. Lianhua Hill Garden of Shenzhen City, Shenzhen 518026, China;

2. Shenzhen City Wutongshan Nurseries, Shenzhen 518114, China)

Abstract: A new orchid variety, *Cymbidium lowianum* (Rchb. f.) Rchb. f. var. *ailaoense* X. M. XU, is described and illustrated based on the plants collected from the Ailao Mountains of Yunnan, China. The new variety differs from *C. lowianum* var. *lowianum* by having linear-lanceolate bracts 1.0 – 2.2 cm long, an uncommon feature in the epiphytic cymbidiums.

Key words: *Cymbidium lowianum* var. *ailaoense*; new variety; Yunnan; China

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中国云南兰科一新变种——长苞蝉兰

徐向明¹, 陈利君², 欧阳雄¹

(1 深圳市莲花山花木园, 广东 深圳 518026; 2 深圳市梧桐山苗圃总场, 广东 深圳 518114)

摘要: 基于采自中国云南哀牢山的植物, 对兰科新变种长苞蝉兰 *Cymbidium lowianum* var. *ailaoense* 作了描述与绘图。此新变种与原变种碧玉兰 *C. lowianum* var. *lowianum* 的区别在于花苞片线状披针形, 长 1.0 ~ 2.2 cm。此性状在兰属附生种类中是罕见的。

关键词: 长苞蝉兰; 新变种; 云南; 中国

Cymbidium lowianum (Rchb. f.) Rchb. f. var. *ailaoense* X. M. Xu, var. nov. (Fig. 1: 1 ~ 7)

TYPE: China, Yunnan, The Ailao Mountains (哀牢山), alt. 1 600 m, 23 Sept. 2002, Z. J. Liu (刘仲健) 2569 (Holotype, SZWN) (SZWN = Herbarium, Shenzhen City Wutongshan Nurseries, China).

Diagnosis: Varietas nova a typo differt bracteis linear-lanceolatis, 1.0 – 2.2 cm longis.

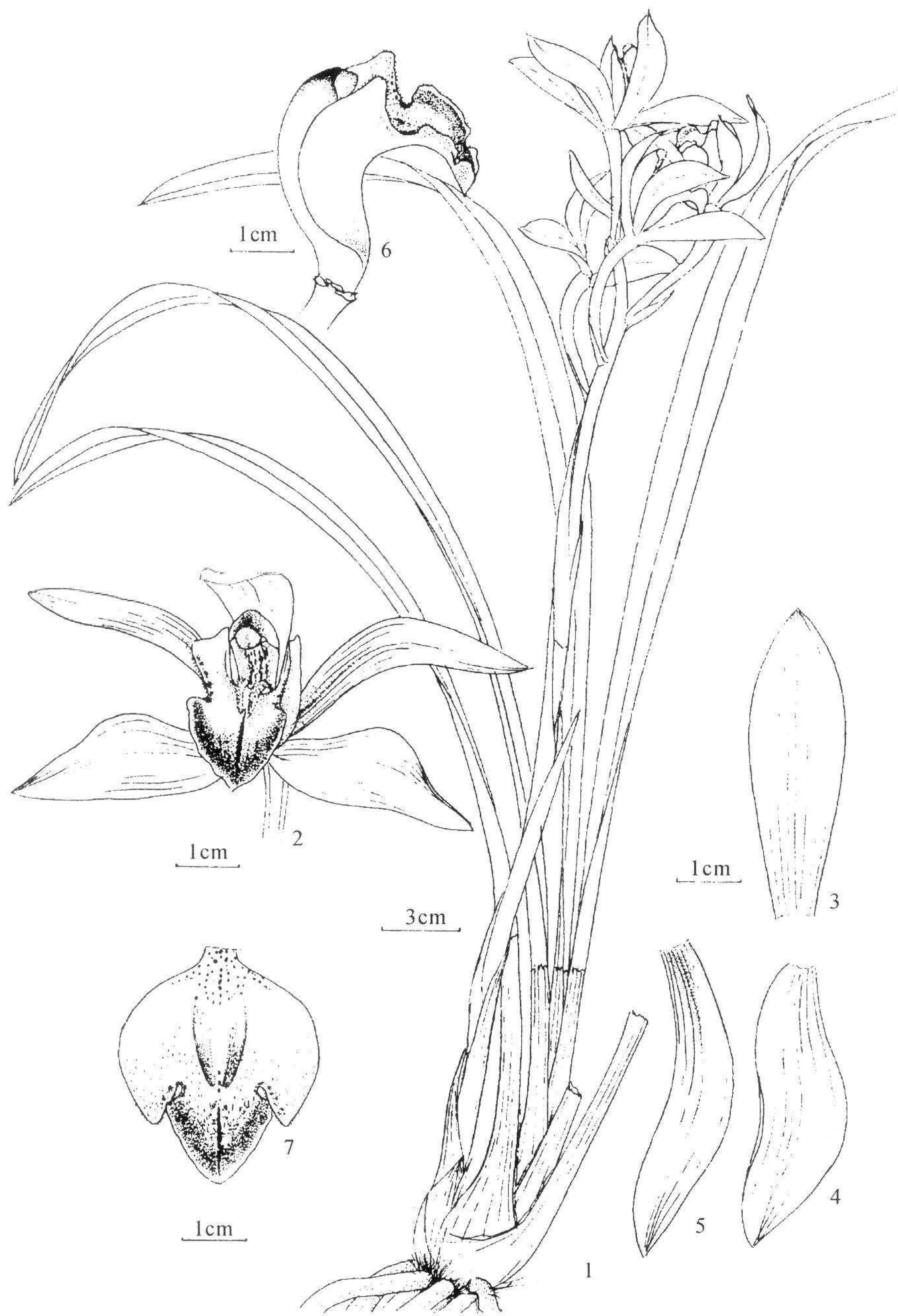
Description: Epiphytic herbs. Pseudobulbs ovoid, bilaterally flattened, 3 – 6 cm long, 3.0 – 5.5 cm in diam., 6 – 7-leaved. Leaves lorate, 34 – 75 cm long, 2.5 – 3.5 cm broad, apex acute, dark green; petioles

yellowish-green, 7 – 12 cm long, articulated towards the base. Scape suberect, 50 – 60 cm long; raceme 30 – 35 cm long, with 15 – 18 flowers; bracts linear-lanceolate, 1.0 – 2.2 cm long, 4 – 5 mm broad; flowers 8 – 9 cm across; not scented; sepals and petals green to yellowish-green, with purplish-red veins, base densely with purplish-red speckles; lip yellowish, with purplish-red spots on the lateral lobes and a large, purplish-red, V-shaped patch and a central red line on the mid-lobe; sepals narrowly elliptic, 5 – 6 cm long, 1.1 – 1.3 cm broad, acute; petals narrowly obovate, oblique, 4.1 – 4.3 cm long, 0.9 – 1.2 cm broad, acute; lip 3-lobed, fused to the column base for 3 mm; side-lobes densely covered with long hairs towards the apex; mid-lobe cordate, 14 – 16 mm long, with silky

hairs centrally and basally, and dense short hairs on the V-shaped patch; lamellae 2, 1.3 – 1.4 cm long, densely white-hairy. Column 3.5 cm long, winged; pollinia 2, triangular.

Flowering period: February and March in our nursery.

Distribution: Known only from type locality.



1: flowering plant; 2: flower; 3: dorsal sepal; 4: lateral sepal; 5: petal; 6: lip and column, side view; 7: lip, front view

图1 长苞蝉兰

Fig. 1 *Cymbidium lowianum* var. *ailaoense*

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