

DOI: 10.11931/guihaia.gxzw201406018

杨正斌,余东莉,李剑武,等. 中国兰科异型兰属一新记录种——白花异型兰[J]. 广西植物,2016,36(5):629–631

YANG ZB, YU DL, LI JW, et al. *Chiloschista exuperei*, a new orchid addition to China from Yunnan[J]. *Guihaia*, 2016, 36(5):629–631

Chiloschista exuperei, a new orchid addition to China from Yunnan

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Abstract: *Chiloschista exuperei* is reported from China for the first time. This species was easily identified by its white and tongue shaped mid-lobe from other species.

Key words: *Chiloschista exuperei*, Orchidaceae, new record, China

CLC number: Q948.2 **Document code:** A **Article ID:** 1000-3142(2016)05-0629-03

中国兰科异型兰属一新记录种——白花异型兰

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摘 要: 报道了中国兰科一新记录种, 白花异型兰 *Chiloschista exuperei* (Guillaumin) Garay。该种由于其花的颜色为白色, 唇瓣中裂片基部具球状、密被毛的胼胝体而明显不同于该属内其它种。

关键词: 白花异型兰, 兰科, 新记录, 中国

Chiloschista Lindley (Orchidaceae, Aeridinae) is a genus of epiphytes and known as “plants without leaves”, well presented from the Indian subcontinent through SE Asia to Australia. This genus including about 10 species and 3 species had been so far found in China (Chen & Wood, 2009). The following described species is a new record of *Chiloschista* for China.

Chiloschista exuperei (Guillaumin) Garay. in Bot. Mus. Leaflet. 23: 166. 1972.—*Taeniophyllum exuperei* Guillaumin. in Bull. Mus. Hist. Nat. Paris, sér. 2, 29: 346. 1957. 白花异型兰(新拟) (Fig. 1)

Stem inconspicuous, with long flattened roots, leafless. Inflorescences 1–3, pendulous, densely pubescent, racemose, (7–10) cm, laxly 4–8 flowered; peduncle and rachis densely pubescent; floral bracts 2.8 mm, ovate-lanceolate, glabrous, membranous, acute. Flowers white, with brownish red stripes between the two lateral lobes; pedicel and ovary 4.5 mm, pubescent. Dorsal sepal nearly broadly elliptic, 5.4 mm × 3.3 mm, sparsely pubescent abaxially, subobtusate; lateral sepals slightly oblique, broadly ovate or elliptic, 5.1 mm × 3.1 mm, sparsely pubescent near abaxial base; petals

收稿日期: 2014-06-13 修回日期: 2014-07-31

基金项目: 国家自然科学基金(Y2GJZ1B01); 云南省自然科学基金(2013FB080) [Supported by the National Natural Science Foundation of China (Y2GJZ1B01); Natural Science Foundation of Yunnan (2013FB080)].

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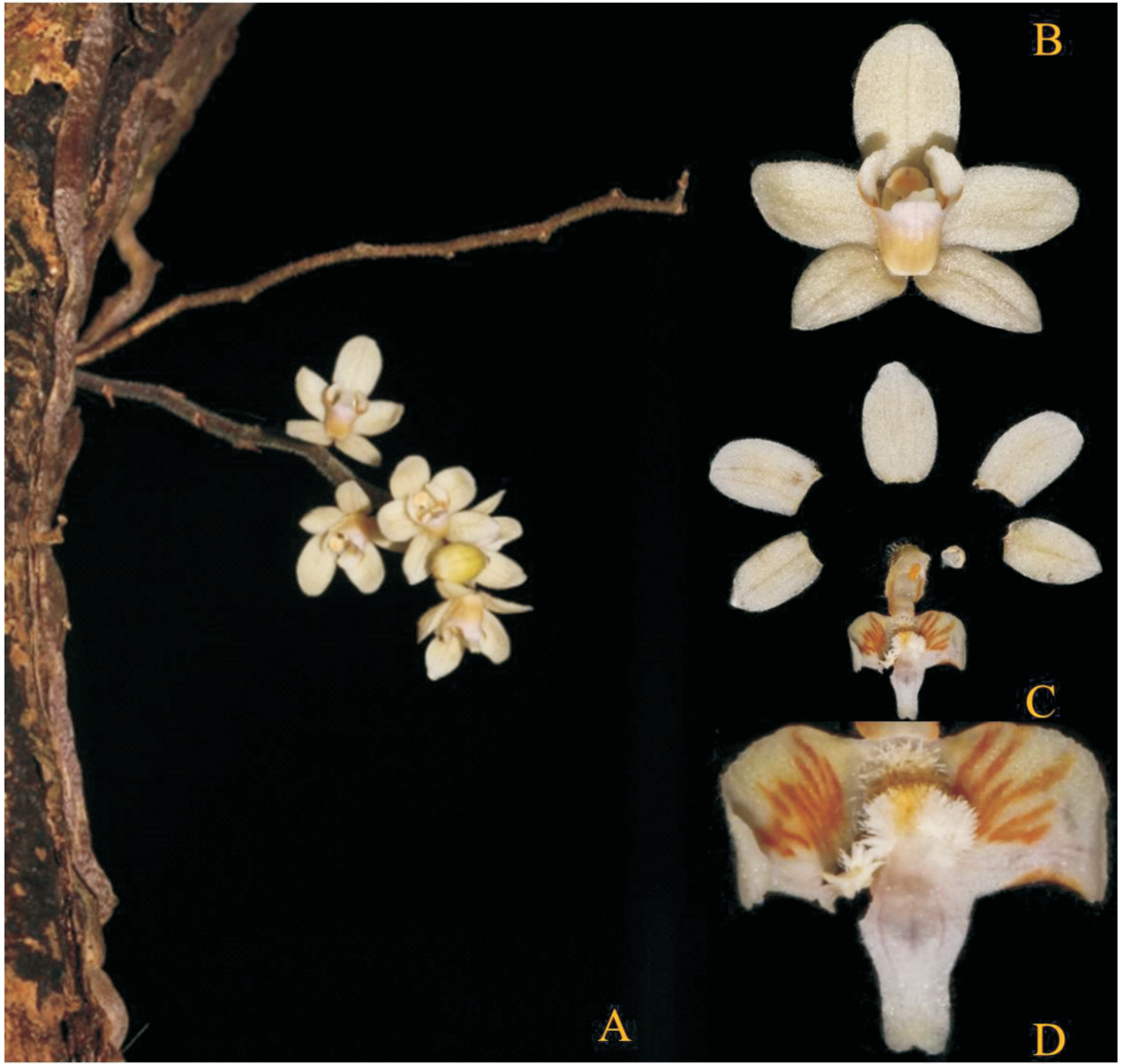


Fig. 1 *Chiloschista exuperei* (Guillaumin) Garay identification key of *Chiloschista* A. Plant; B. Flower; C. Flower of anatomy; D. Lip.

suboblong, 5.4 mm × 3.1 mm, obtuse; lip 3-lobed, lateral lobes erect, falcate-oblong, rounded, 4.4 mm × 2.3 mm; mid-lobe tongue shaped, 2.3 mm × 0.9 mm, base with a globular callus, densely pubescent. Column ca. 2.0 mm, foot ca. 2 mm, anther cap with 2 filiform appendages on both sides. Flowering time: May.

Distribution: Thailand, Vietnam, Cambodia, Laos, China.

China. Yunnan: Menghai, epiphytic on trunks in monsoon evergreen broad leaved forest, 1 200 m, 2014-05-16, LIU Qiang 158 (HITBC).

- 1a. Flower color white and tongue shaped mid-lobe *C. exuperei*
- 1b. Flowercolor yellow or white green, mid-lob not tongue shaped
 - 2a. Sepals and petals densely pubescent abaxially; inflorescences to 26 cm *C. yunnanensis*
 - 2b. Sepals and petals nearly glabrous or only sparsely pubescent abaxially; inflorescences (1.5–15)cm.
 - 3a. Mid-lobe of lip conspicuous, much longer than lateral lobes *C. guangdongensis*
 - 3b. Mid-lobe of lip very small, much shorter than

