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Eria clavicaulis, a new record of Orchidaceae from Yunnan, China

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Abstract: *Eria clavicaulis* Wall. ex Lindl. is reported from China for the first time. This species is characterized by its inflorescence short with two long-pedicelled flowers, and two large yellow bracts. It differs from the *E. marginatus* Rolfe. by its rachis, pedicel plus ovary and sepals glabrous and the lateral lobes bigger than mid-lobe.

Key words: *Eria clavicaulis*; Orchidaceae; new record; China

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中国兰科毛兰属一新记录种——孟连毛兰

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摘 要: 报道了中国兰科毛兰属一新记录种——孟连毛兰, 本种主要特点是花序短且一般具 2 朵花, 花梗基部具较大的花苞片, 唇瓣上有 2 条形状各异、增厚的附属物。但其茎长达 30 cm, 花梗和子房、花萼背面光滑无柔毛, 唇瓣侧裂片大于中裂片等特征可与棒茎毛兰明显区别开。

关键词: 孟连毛兰; 兰科; 新记录; 中国

During conducting the plant resource survey in Menglian County, Southwestern of Yunnan, in November 2010, we found an orchid species, which was epiphytic on the trunk in evergreen forest at 1 560 m. Later study indicated that the species was a new record to the Flora of China (Chen *et al.*, 2009) and here reported.

孟连毛兰 新拟 Fig. 1

Eria clavicaulis Wall. ex Lindl. — *Eria khasiana* Lindl., J. Linn. Soc. 3: 59, 1859. — *Pinalia clavicaulis* (Wall. ex Lindl.) Kze., Rev. Gen. 2: 679, 1891.

Stems tufted, terete, 30 cm × 0.5 cm, above middle conspicuously dilated, apex 3 or 4 leaves. Leaves sessile,

ovate-lanceolate, 9—12 cm × 1.8—2.2 cm, apex acute. Inflorescence 1 or 2, subterminal, usually with 2 flowers on each peduncle, ca. 3.2 cm; floral bracts 2, opposite, ovate, 1.9 cm × 1.0 cm, acute, yellow. Rachis, pedicel plus ovary and sepals glabrous. Sepals and petals white, hypochile white, mid-lobe strong yellow, edges of lateral lobes and mid-lobe strong red-purple, edges of column-foot with purple lines, its frontside yellow, purple-flushed. Pedicel and ovary ca. 2.5 cm; dorsal sepal ovate-lanceolate, ca. 1.4 cm × 0.7 cm, 7 veins, subacute; lateral sepals triangular-ovate, carinate, ca. 1.2 cm × 0.9 cm, 7 veins, base oblique. Petals lanceolate, 1.4 cm × 0.6 cm,

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subacute; lip 3-lobed, 1.1 cm, apex slightly recurved; lateral lobes bigger than mid-lobe, suberect, subovate and slightly covering mid-lobe 9.3 mm × 4.0 mm; mid-lob

oblong-flabellate, ca. 4.8 mm × 5.8 mm, a papillous-hairy band on hypochile ending in two semi-globular and glossy purple callous, in front of which a rather fat

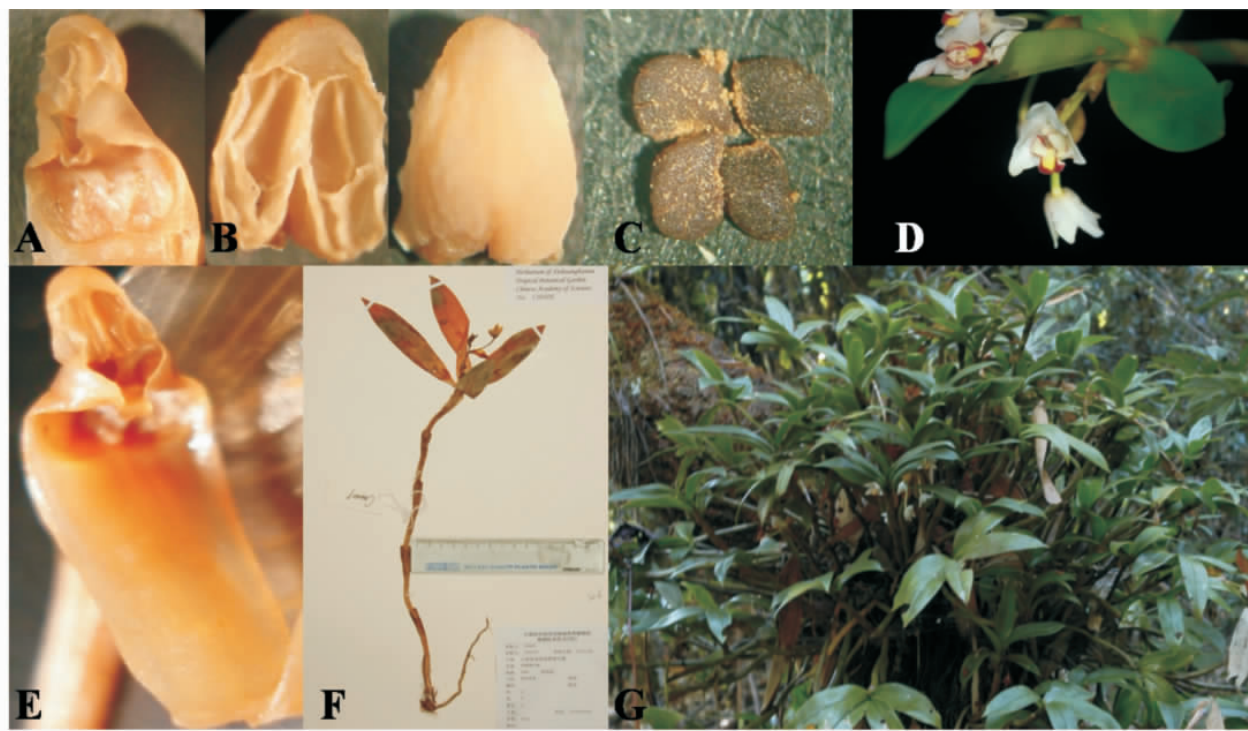


Fig. 1 *Eria clavicaulis* Wall. ex Lindl. A. Anther and column; B. Frontal and back view of Anther; C. Parts of Pollinia; D. Inflorescences and flowers; E. Column foot; F. Specimen; G. Habitat.

shorthairy papillous keel. Column ca. 4.1 mm; foot ca. 6.7 mm. Pollinia 8, rectangular. Fl. November.

Distribution: India, Burma, Thailand and China.

China. Yunnan (云南): Simao (思茅), Menglian (孟连), epiphytic on the tree, 1560 m, November 5, 2010, J. W. Li & Q. Liu 136808 (holotype, HITBC).

The taxonomical treatment of *Eria* s. l. was confused and debatable and the problem still exists. Blume (1856) reduced *Cylindrolobus* into a subgenus of *Eria*, Seidenfaden (1982) treated *Cylindrolobus* as section of *Eria*. Chen (2009) treated *Cylindrolobus* as a distinct genus. The newest information of IPNI still takes the *Cylindrolobus* as subgenus of *Eria*. Here, we tentatively follow the treatment of IPNI to describe this new recorded

species, avoiding to add new confusion to taxonomy of *Eria* s. l., *E. clavicaulis* Wall. ex Lindl. differs from the *E. marginatus* Rolfe, by its rachis, pedicel plus ovary and sepals glabrous and the lateral lobes bigger than mid-lobe.

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