

中国长足兰属(兰科)一新记录种

李琳¹, 陈少伟², 邢福武^{1*}

(1. 中国科学院华南植物园, 广州 510650; 2. 海南省昌江霸王岭国家级自然保护区, 海南 昌江 572723)

摘要: 报道了中国兰科植物一新记录种, 即西蒙长足兰 [*Pteroceras simondianum* (Gagnep.) Aver.], 并提供了描述和图片。本种形态与长足兰 [*P. leopardinum* (Par. & Rchb. f.) Seidenf. & Smitin.] 相似, 但叶明显较宽, 偏斜; 花淡黄色, 略被绛紫色斑块或条纹; 子房光滑; 花粉块为孔裂等, 易于区别。

关键词: 长足兰属; 兰科; 新记录; 中国

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A Newly Recorded Species of *Pteroceras* (Orchidaceae) from China

LI Lin¹, CHEN Shao-wei², XING Fu-wu^{1*}

(1. South China Botanical Garden, Chinese Academy of Sciences, Guangzhou 510650, China; 2. Hainan Bawangling Nature Reserve, Changjiang 572723, China)

Abstract: *Pteroceras simondianum* (Gagnep.) Aver., a newly recorded species from Guangxi, China is described and illustrated. This species is similar to *P. leopardinum* (Par. & Rchb. f.) Seidenf. & Smitin., but differs by having distinctly wider and oblique leaves; light yellow flowers with a few crimson-purple blotches and bars; glabrous ovary; sub-spherical pollinia with a small, porous-like cleft.

Key words: *Pteroceras*; Orchidaceae; New record; China

Pteroceras Hassk. is widely distributed from northwestern Himalaya to the Philippines and New Guinea^[1]. Among the 19 species currently recognized, there were two species (one endemic) recorded in China before, and both of them occurred in Yunnan Province^[2-3]. During our botanical survey in Guangxi Province, several deposited specimens from Nonggang National Nature Reserve were examined thoroughly. *Pteroceras simondianum* (Gagnep.) Aver., a species previously known endemic to Vietnam, was found to be new for Chinese orchid flora^[4-6]. The discovery was the first demonstration of the distribution of this genus in Guangxi.

Pteroceras simondianus (Gagnep.) Aver., Bot. Zhurn. SSSR **73**(3): 432. 1988. — *Ornithochilus simondianus* Gagnep., Bull. Mus. Natl. Hist. Nat. Paris, Sér. 2, XXII: 632. 1950. Type: Vietnam: Nghe An: Vinh, Rives sine no., colour plate No. 37 by Simond (holotype P). (西蒙长足兰 Fig. 1)

Monopodial epiphytes with short stems and closely placed leaves. Stems 4–6 cm long, 2.5–3 mm in diam., unbranched. Leaves closely placed in two rows, oblong-lanceolate, 12–18 cm × 2.5–3 cm, strongly oblique and unequally bilobed, rounded to obtuse at apex. Racemes 2–4 cm long, 1.2–1.5 mm in diam., 3–6-flowered; peduncle and rachis terete,

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* Corresponding author. E-mail: xinfw@scib.ac.cn

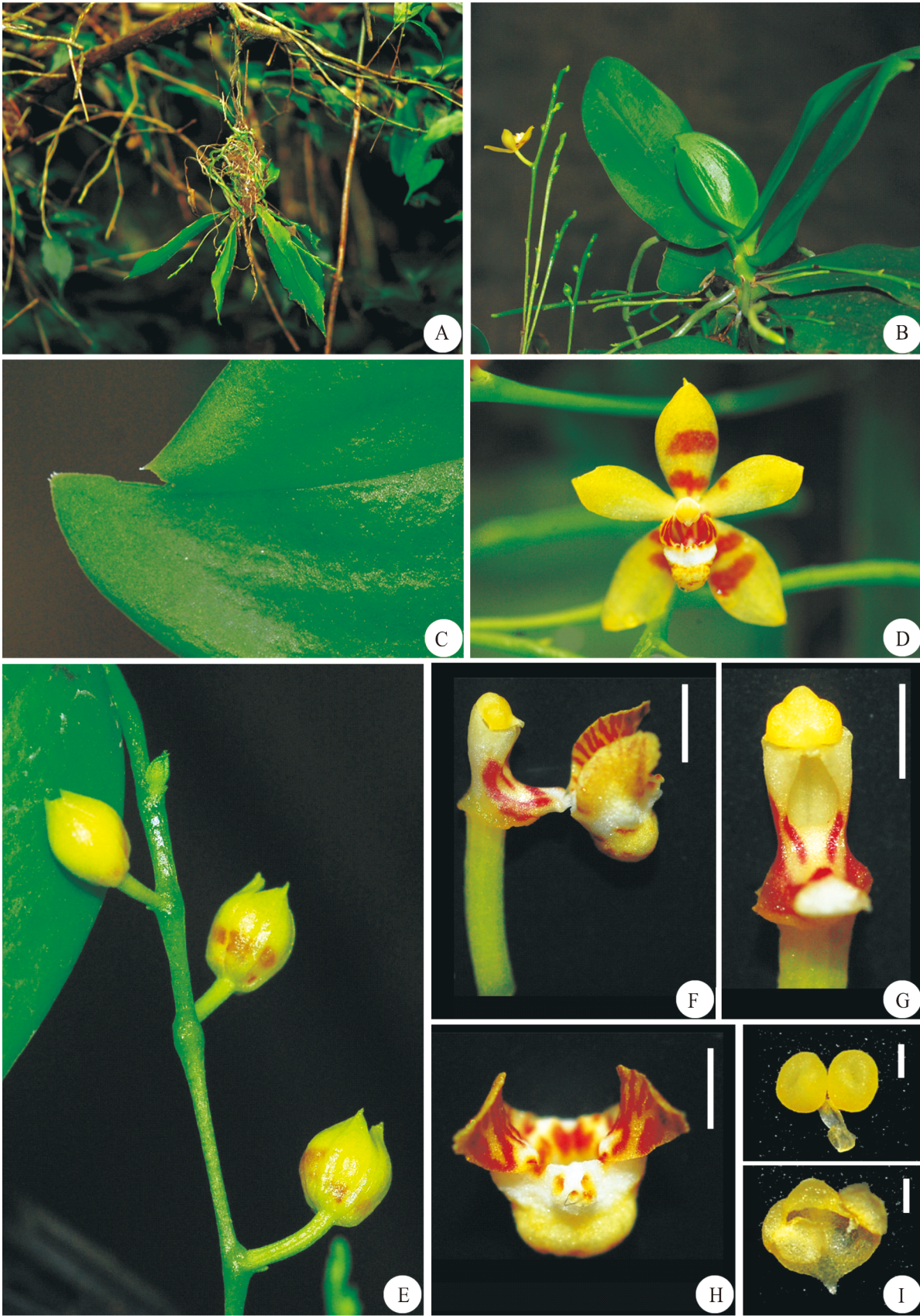


Fig. 1 *Pteroceras simondianum* (Gagnep.) Aver.. A. Habitat; B. Blooming plant; C. Apex of leaf; D. Flower; E. Inflorescence; F. Column and lip (lateral view); G. Column (front view); H. Lip (front view); I. Pollinia and anther cap. Bars: F,G,H = 2 mm; I = 0.5 mm.

glabrous; floral bracts ovate-triangular, concave, glabrous, apex obtuse. Pedicel and ovary terete, glabrous, 8–10 mm long, 0.5–1.0 mm in diam. Flowers slightly fleshy, resupinate; dorsal sepal ovate-lanceolate, 9–10.5 mm $\times$ 4–5 mm, apex obtuse, slight yellow, sometimes blotched or barred crimson-purple on the adaxial side; lateral sepals adnate to the column foot, obliquely ovate-lanceolate, 10–12 mm $\times$ 4.5–5.5 mm, apex obtuse or acute, slight yellow, often blotched or barred crimson-purple on the adaxial side; Petals oblong-lanceolate, 8–9 mm $\times$ 2–3 mm, apex obtuse; lip sessile, 3-lobed; 3–3.5 mm long, obtuse-rounded; lateral lobes erect, obliquely flabellate-oblong, slight yellow with dense crimson-purple stripes on the adaxial side; mid-lobe fleshy, base with a knob-like callus just above the spur entrance. Spur short and sac-like, 2–2.5 mm long, inside glabrous, apex rounded. Column subterete, 3.2–3.5 mm high, slight yellow with streaked purple, column-foot 2.5–3 mm long. Rostellum much shorter; pollinia 2, waxy, subspherical, dorsally with a small, porous-like cleft, attached by a linear-oblong stipe to a subcircularar viscidium. Fl. Feb.–May.

Distribution: Vietnam. New record to China.

China: Guangxi, Nonggang National Nature Reserve, epiphyte on tree trunks in open forests or at forest margins in evergreen rain forest, alt. 183 m. Latitude: 22°27'00.90 N, Longitude: 106°57'58.87 E. 2010–04–12, L.Li 147 (IBSC).

Conservation Status: This species is endemic in this region and confined to a small forest patch as we currently investigated. Therefore, we consider this species to be vulnerable to extinction as ‘Critically Endangered’(CR), according to IUCN red list categories and criteria^[7].

It's related to *P. leopardinum* (Par. & Rchb. f.) Seidenf. & Smitin.^[3–4], a species from Yunnan, but the latter differs in distinctly narrower leaves; densely purplish-brown dotted flowers; 3-keeled ovary; subspherical pollinia with deep longitudinal cleft.

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