

# 赤水漏斗苣苔名实订正

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**摘要:** 最近发表为苦苣苔科的赤水漏斗苣苔(*Didissandra chishuiense* R. B. Zhang)实为爵床科的金长莲(*Staurogyne sichuanica* H. S. Lo), 故予以归并。

**关键词:** 爵床科; 苦苣苔科; 漏斗苣苔属; 叉柱花属; 分类学

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## The Identity of *Didissandra chishuiense*

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**Abstract:** The recently described new species *Didissandra chishuiense* in the family Gesneriaceae is misidentified; it is conspecific with *Staurogyne sichuanica* (Acanthaceae).

**Key words:** Acanthaceae; *Didissandra*; Gesneriaceae; *Staurogyne*; Taxonomy

Recently, Zhang et al.<sup>[1]</sup> described a new species *Didissandra chishuiense* R. B. Zhang in the family Gesneriaceae from Guizhou, China based on two gatherings (R. B. Zhang SBQ034 and SBQ098). It is indicated that the new species differs from other species of *Didissandra* by its resupinate corolla. In the original description, it is stated that the new species has cymose inflorescences, anthers coherent in pairs and has parietal placentation. However, the accompanying image and illustration clearly showed that the new species has racemose inflorescence, free anthers and axile placentation with ovules arranged into two rows in each locule. These characters are not in accordance with the description of the new species and obviously contrary to that of *Didissandra*<sup>[2]</sup> but well identical with the genus *Staurogyne* of Acanthaceae<sup>[3-4]</sup>.

The genus *Staurogyne* consists of about 140 species distributed in tropical regions of the world. In China, 17 species were recognized in the recently published *Flora of China*, and most of them are distributed in tropical region with *S. sichuanica* H. S. Lo occurring in Guizhou and Sichuan<sup>[3]</sup>. After comparing the image of type material (Fig. 1), it reveals that *Didissandra chishuiense* is conspecific with *Staurogyne sichuanica* H. S. Lo, a species also found in the type locality of *Didissandra chishuiense*. Therefore the following reduction is necessary.

***Staurogyne sichuanica*** H. S. Lo, Bull. Bot. Res., Harbin 8(1): 2. 1988. Type: China. Sichuan: Changning Xian, near Wanling Gongshe, 560 m, in bamboo forest, 12 June 1976, Exped. Changning 42 (holotype

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IBSC).

*Didissandra chishuiense* R. B. Zhang, Novon **24**: 110. 2015, syn. nov. Type: China. Guizhou: Chishui

Shi, Hushi Zhen, Jinsha Cun, 28.461° N, 105.980° E, 530 m, 4 March, 2013, R. B. Zhang SBQ034 (holotype, ZY; isotype KUN!).



Fig. 1 Images of type material. A: Isotype of *Didissandra chishuiensis*; B: Holotype of *Staurogyne sichuanica*.

**Vernacular names.** 金长连 Jinchanglian (Changning), 称砣草 Chentuocao (Hejiang).

**Distribution.** *Staurogyne sichuanica* is endemic to China, occurring in Guizhou and Sichuan Provinces (Fig. 2).

**Habitat.** *Staurogyne sichuanica* grows on moist rocks in the valley in evergreen forest at altitude of 200–1100 m.

**Phenology.** *Staurogyne sichuanica* was observed in flower in January to March and in fruit in April to May.

**Conservation status.** *Staurogyne sichuanica* was considered to be Endangered (EN) by Wang & Xie<sup>[5]</sup> based on IUCN Red List criteria and categories<sup>[6]</sup> because it was found in less than five localities (2 localities) at

that time. Although recent years four additional localities was found, further field investigation for searching the species is necessary. Therefore, at present, I prefer to access it as Data Deficient (DD).

**Notes.** In the protologue, two duplicates of R. B. Zhang SBQ034 in ZY and KUN were designated as holotype and paratype respectively. However, according to the Art. 9.4 of ICN<sup>[7]</sup>, the duplicate in KUN is an isotype rather than a paratype and the use of the term “paratype” for KUN duplicate is an error to be corrected (ICN Art. 9.9).

**Specimens examined.** CHINA. Guizhou: Chishui Shi, Datong, 240 m, 17 January 2011, Zhang Shoujun 11-4133 (IBSC); Chishui Shi, Hushi Zhen, Jinsha Cun,

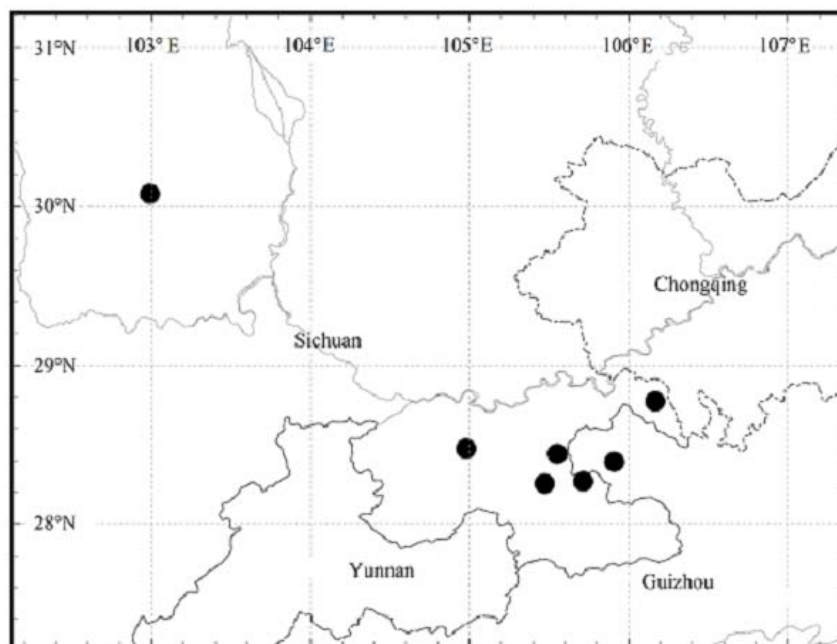


Fig. 2 Distribution of *Staurogyne sichuanica* (●)

4 March 2013, R. B. Zhang SBQ034 (KUN). Sichuan: Changning Xian, near Wanling gongshe, 560 m, 12 June 1976, Exped. Changning 42 (IBSC); Gulin Xian, Huangjing Xiang, Bajiedong, 900–1100 m, 28 May, 2010, PE-Gulin Exped. 0014 (PE); Hejiang Xian, Zihuai Zhen, Longtian Cun, Ganxi, Datixi, 900 m, June 30, 1971, Exped. Hejiang 292 (IBSC); Hejiang Xian, Zihuai Zhen, Xianlong Cun, Shunyangxi, Chenglugou, 4 October 2006, Deng Yunfei & Xia Nianhe 19248 (IBSC); Hejiang Xian, Zihuai Zhen, Xianlong Cun, Shunyangxi, Chenglugu, 750–800 m, 15 October 2008, Deng Yunfei & Xin Haijing 20864 (IBSC); Xuyong Xian, Longfeng Xiang, Guandou Cun, 20 April 2012, Gao Xinfen et al. HGX10320 (CDBI); Xuyong Xian, Shuiwei Zhen, Huagaoxi Natural Reserve, 400 m, 12 March 2013, Gao Xinfen et al. HGX11097 (CDBI); Xuyong Xian, Shuiwei Zhen, Guangmu Cun, 900 m, 13 March 2013, Gao Xinfen et al. HGX11184 (CDBI); Yaan Shi, Bifengxia, 24 February 2015, Zhou Xinxin s.n. (IBSC).

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