

中国秋海棠属植物两新记录种^{*}杨珍珍^{1 4}, 周仕顺², 李智宏³, 汪 健¹, 陈文红¹, 税玉民^{1**}

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摘要: 报道了中国秋海棠属两个新记录种: 钩翅秋海棠 *Begonia demissa* Craib 和抱茎叶秋海棠 *Begonia subperfoliata* Parish ex Kurz, 两个种分别属于小秋海棠组 *Begonia* sect. *Parvibegonia* A. DC. 和东亚秋海棠组 *Begonia* sect. *Diploclinium* (Wight) A. DC.。钩翅秋海棠和抱茎叶秋海棠模式产地分别为泰国和缅甸, 两个种的地理新分布分别为云南省西双版纳傣族自治州的勐腊县勐远村和普洱市六顺镇。

关键词: 钩翅秋海棠; 抱茎叶秋海棠; 中国; 新记录

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Two New Records of *Begonia* L. (Begoniaceae) from ChinaYANG Zhen-zhen^{1 4}, ZHOU Shi-shun², LI Zhi-hong³, WANG Jian¹,CHEN Wen-hong¹, SHUI Yu-min^{1**}

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Abstract: Two species of *Begonia* L. (Begoniaceae), viz. *Begonia demissa* Craib and *Begonia subperfoliata* Parish ex Kurz are reported as new records in China, and the two species assigned to *Begonia* sect. *Parvibegonia* A. DC. and *Begonia* sect. *Diploclinium* (Wight) A. DC. respectively. The type locality of *Begonia demissa* is in Thailand and of *Begonia subperfoliata* in Myanmar. The distribution of *Begonia demissa* is now extended to Mengyuan, Mengla County of Xishuangbanna Dai Autonomous Prefecture and that of *Begonia subperfoliata* to Liushun Community, Pu'er City, both in Yunnan province, China.

Key words: *Begonia demissa* Craib; *Begonia subperfoliata* Parish ex Kurz; China; New record

During a botanical investigation in Xishuangbanna and adjacent areas, Yunnan Province, China, in 2014, we collected two unidentified specimens of *Begonia* L. (Begoniaceae). By comparison with specimens in herbaria (BM, E, K, PE and KUN) and related taxonomic literature dealing with the flora of China and adjacent regions (Smith et

al., 1986; Doorenbos et al., 1998; Shui et al., 2002; Ku et al., 2007; Phutthai, 2011), we identified the specimens as *Begonia demissa* Craib (*Begonia* sect. *Parvibegonia* A. DC.) and *Begonia subperfoliata* Parish ex Kurz (*Begonia* sect. *Diploclinium* (Wight) A. DC.), which represent two new records of the species in China. This discovery greatly

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extends the distribution range of these species of *Begonia* L. into China. Voucher specimens have been deposited at the herbarium of the Kunming Institute of Botany , Chinese Academy of Sciences (KUN) and Xishuangbanna Tropical Botanical Garden , Chi-

nese Academy of Sciences (HITBC) .

1 钩翅秋海棠 (新拟) (Fig. 1: A-D)

Begonia demissa Craib , Kew , Bulletin of miscellaneous information. 1930: 409. 1930; Craib ,

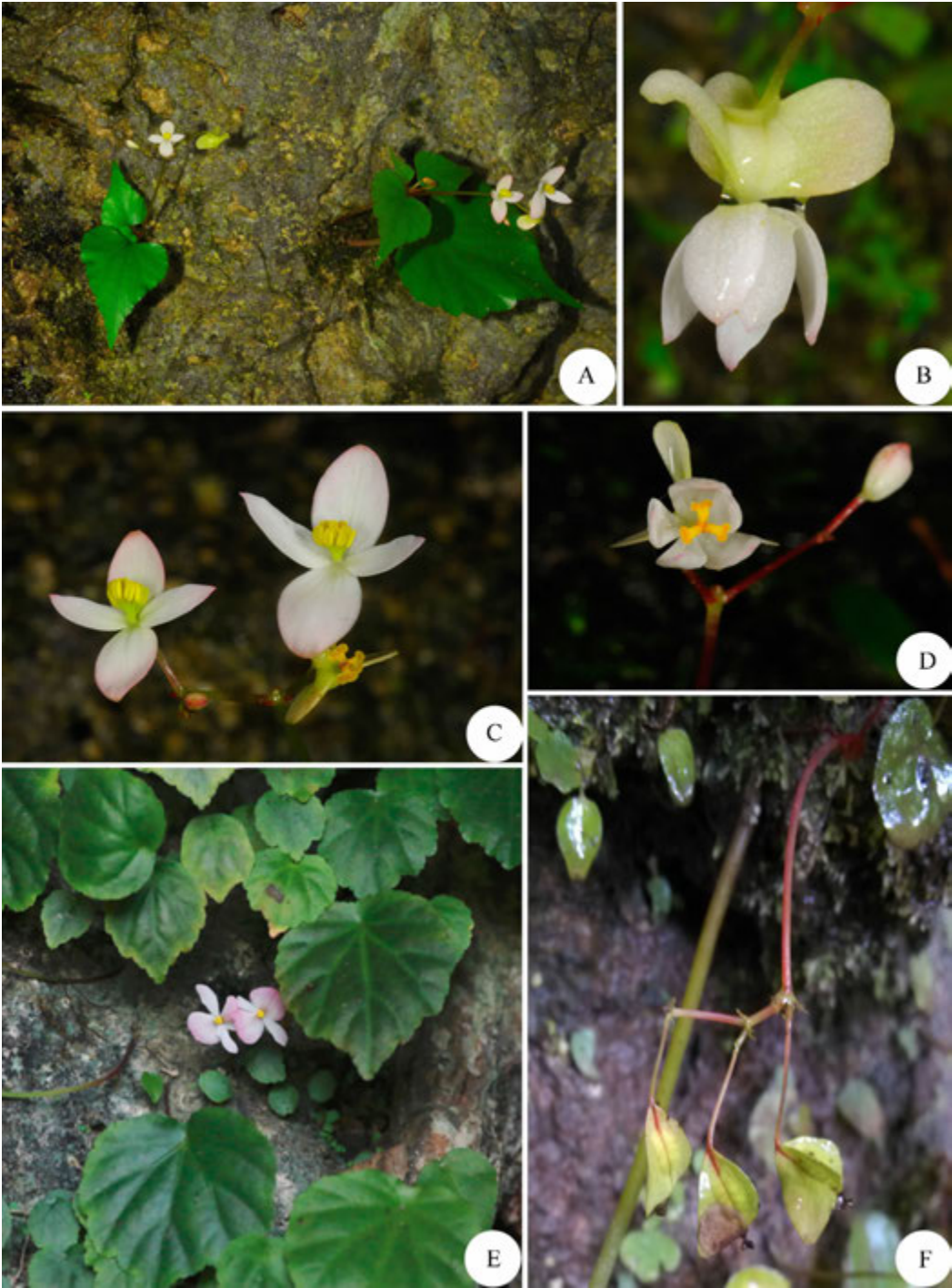


Fig. 1 *Begonia demissa* Craib and *Begonia subperfoliata* Parish ex Kurz
A-D: *Begonia demissa* , A. Plants in their habitat; B. Side view on ovary; C. Male flowers; D. Female flowers.
E-F: *Begonia subperfoliata* , E: Plants in their habitat; F: Fruits. (A-D by SHUI Yu-min , E-F by LI Zhi-hong)

Contributions to the flora of Siam. **1**: 773. 1931; Smith *et al.*, Begoniaceae, Part I: Illustrated Key, Part II: Annotated Species List, Fig. 11. 16, 158. 1986; Hughes, An Annotated Checklist of Southeast Asian *Begonia*, 33. 2008; Phutthai, The genus *Begonia* L. (Begoniaceae) in Thailand, Fig. 64, 131. 2011.

Type: Thailand, Ratchaburi, Kanburi, Bawre, 21 Jul. 1926, Put 218 (holotype, ABD; isotype, K!)

Specimens: **China. Yunnan (云南)**: Xishuangbanna (西双版纳), Mengla County (勐腊县), Mengyuan (勐远村), alt. 500 m, 21°42'31" N, 101°22'52" E, 15 Jul. 2014, Y. M. Shui *et al.* (税玉民等) B2014-174 (KUN); same place, alt. 520 m, 21°42'35" N, 101°22'52" E, 15 Jul. 2014, Y. M. Shui *et al.* (税玉民等) B2014-175 (KUN).

Distribution: This species usually grows on humid limestone under forests.

Diagnostic characters: *Begonia demissa* can easily be distinguished from other species of sect. *Parvibegonia* by the narrowly ellipsoidal and unciform major fruit wing (Smith *et al.*, 1986; Phutthai, 2011).

2 抱茎叶秋海棠 (新拟) (Fig. 1: E–F)

Begonia subperfoliata Parish ex Kurz, The Journal of the Asiatic Society of Bengal, **42** (2): 81. 1873; Smith *et al.*, Begoniaceae, Part I: Illustrated Key, Part II: Annotated Species List, Fig. 2. 35, 238. 1986; Hughes, An Annotated Checklist of Southeast Asian *Begonia*, 125. 2008; Phutthai, The genus *Begonia* L. (Begoniaceae) in Thailand, Fig. 135, 276. 2011.

Type: Myanmar, Moulmein, 1862, G. S. P. Parish s. n. (syntype, K! , P).

Specimens: **China. Yunnan (云南)**: Simao City (思茅市) (2007, name changed to Pu'er City),

Cuiyun Community (翠云乡), 18 Jan. 2005, S. S. Zhou (周仕顺) 2133 (HITBC); same place, 18 Jan. 2005, S. S. Zhou (周仕顺) 2408 (HITBC); Pu'er City (普洱市), Liushun Community (六顺镇), alt. 1 230 m, 22°37'31" N, 100°43'25" E, 22 Jul. 2014, Y. M. Shui *et al.* (税玉民等) B2014-247 (KUN); Liushun Community (六顺镇), Xianren Cave (仙人洞), alt. 1 250 m, 22°36'21" N, 100°42'38" E, 22 Jul. 2014, Y. M. Shui *et al.* (税玉民等) B2014-248 (KUN).

Distribution: This species usually grows on humid limestone or other humid places under forests.

Diagnostic characters: *B. subperfoliata* can be distinguished from other species of sect. *Diploclinium* by its peltate and glabrous leaves with a symmetrical base (Smith *et al.*, 1986; Phutthai, 2011).

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