

# Validation of the Name *Pararuellia alata* (Acanthaceae)

Deng Yunfei

South China Botanical Garden, The Chinese Academy of Sciences, Guangzhou 510650,  
People's Republic of China. yfdeng@scbg.ac.cn

Thomas F. Daniel

Department of Botany, California Academy of Sciences, 875 Howard Street, San Francisco,  
California 94103, U.S.A. tdaniel@calacademy.org

**ABSTRACT.** During preparation of a treatment of Acanthaceae for the *Flora of China*, it was determined that *Pararuellia alata* H. P. Tsui from Yunnan, China, was not validly published because the herbarium in which the type is conserved was not specified. The name is herein validated with the herbarium now specified. The species can be distinguished from other Chinese *Pararuellia* Bremekamp by its winged inflorescence rachis.

**Key words:** Acanthaceae, *Pararuellia*.

*Pararuellia* Bremekamp (Acanthaceae, Ruellieae) consists of about 10 species that occur in southeastern Asia and insular Malesia (Bremekamp & Nannenga-Bremekamp, 1948; Hossain, 1973; Mabberley, 1997; Tsui, 2002). In China, Tsui (2002) recognized four species: *P. alata* H. P. Tsui, *P. cavaleriei* (H. Léveillé) E. Hossain, *P. delavayana* (Baillon) E. Hossain, and *P. hainanensis* C. Y. Wu & H. S. Lo. Among these, *P. alata* was described as a new species in the addenda to volume 70 of the *Flora Reipublicae Popularis Sinicae*, but the herbarium in which its type is conserved was not specified. According to Article 37.7 of the *International Code of Botanical Nomenclature* (McNeill et al., 2006), in order to effect valid publication on or after 1 January 1990 for the name of a new species or infraspecific taxon whose type is a specimen or unpublished illustration, the herbarium or institution in which the type is conserved must be indicated. Therefore, Tsui's *P. alata* was not validly published, despite meeting all of the other requirements for publication of this new taxon. Because this species will be recognized in the forthcoming account of Acanthaceae for the *Flora of China*, it is necessary to validate Tsui's name in accordance with the Code, Article 46.2 (Ex. 9), which permits retention of the original authorship. Tsui did include a Latin description in 2002, which constitutes the validating reference, *sensu* the Code's Art. 36.1.

***Pararuellia alata*** H. P. Tsui, sp. nov. *Pararuellia alata* H. P. Tsui in C. C. Hu & H. P. Tsui, Fl. Reip. Pop. Sin. 70: 346. 2002, nom inval. TYPE: China. Yunnan: Shuangjiang xian, 14 Sep. 1957, *Xin Jingsan* 916 (holotype, PE; isotype, KUN). Figure 1.

This species, which is known only from Yunnan, China, is readily distinguished from other Chinese *Pararuellia* by its winged inflorescence rachis. Figure 1 shows the holotype with a detail of the winged rachis.

**Acknowledgments.** This work has been supported partly by the National Natural Science Foundation of China (nos. 30370109, 30670142, 39899400, 30499340), the Director Foundation of South China Botanical Garden, the Chinese Academy of Sciences (no. 2002-1112), the Pilot Project of Knowledge Innovation, the Chinese Academy of Sciences (no. KSCX-SW-122), and the Lakeside Foundation through the California Academy of Sciences.

## Literature Cited

- Bremekamp, C. E. B. & N. E. Nannenga-Bremekamp. 1948. A preliminary survey of the Ruellinae (Acanthaceae) of the Malay Archipelago and New Guinea. *Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Tweede Sect.* 45(1): 1–39.
- Hossain, A. B. M. E. 1973. Notes on Asiatic Acanthaceae. *Notes Roy. Bot. Gard. Edinburgh* 32(3): 405–410.
- Mabberley, D. J. 1997. *The Plant-Book*. Cambridge Univ. Press, Cambridge.
- McNeill, J., F. R. Barrie, H. M. Burdet, V. Demoulin, D. L. Hawksworth, K. Marhold, D. H. Nicolson, J. Prado, P. C. Silva, J. E. Skog, J. H. Wiersema & N. J. Turland (editors). 2006. *International Code of Botanical Nomenclature* (Vienna Code). *Regnum Veg.* 146.
- Tsui, H. P. 2002. *Pararuellia*. Acanthaceae. Pp. 52–56, 346–347 in C. C. Hu (editor), *Flora Reipublicae Popularis Sinicae*, Vol. 70. Science Press, Beijing.





Figure 1. Photograph of holotype at PE of *Pararuellia alata* (Xin Jingshan 916) with enlargement showing the winged inflorescence rachis.



Deng, Yunfei and Daniel, Thomas Franklin. 2008. "Validation of the Name *Pararuellia Alata* (acanthaceae)." *Novon a journal of botanical nomenclature from the Missouri Botanical Garden* 18, 33–34.

**View This Item Online:** <https://www.biodiversitylibrary.org/item/55381>

**Permalink:** <https://www.biodiversitylibrary.org/partpdf/121820>

#### **Holding Institution**

Missouri Botanical Garden, Peter H. Raven Library

#### **Sponsored by**

Missouri Botanical Garden

#### **Copyright & Reuse**

Copyright Status: In copyright. Digitized with the permission of the rights holder.

License: <http://creativecommons.org/licenses/by-nc-sa/3.0/>

Rights: <https://biodiversitylibrary.org/permissions>

This document was created from content at the **Biodiversity Heritage Library**, the world's largest open access digital library for biodiversity literature and archives. Visit BHL at <https://www.biodiversitylibrary.org>.