
Validation of *Berberis chunanensis* (Berberidaceae), the Name of a Species Endemic to Zhejiang, Eastern China

Jin Xiao-Feng

College of Life & Environment Sciences, Hangzhou Normal University, 16 Xuelin Street, Xiasha Higher Education Region, Hangzhou, Zhejiang 310036, People's Republic of China.
jinx583@hotmail.com

Ding Bing-Yang

School of Life & Environment Science, Wenzhou University, Wenzhou, Zhejiang 325027, People's Republic of China. dingby@mail.hz.zj.cn

Wang Hui-Zhong

College of Life & Environment Sciences, Hangzhou Normal University, 16 Xuelin Street, Xiasha Higher Education Region, Hangzhou, Zhejiang 310036, People's Republic of China

ABSTRACT. *Berberis chunanensis* T. S. Ying (Berberidaceae) was not validly published in 1999 because no type was designated. The name *Berberis chunanensis* T. S. Ying is validly established here.

Key words: Berberidaceae, *Berberis*, China, IUCN Red List, Zhejiang.

While sorting data for the endemic species from Zhejiang, eastern China, the authors found that the name *Berberis chunanensis* described by Ying (1999: 315) as a new species is contrary to Article 37.6 of the *International Code of Botanical Nomenclature* (McNeill et al., 2006). Because Ying did not use the word "typus," holotype, or any abbreviation or its equivalent in a modern language (e.g., the Chinese 模式) to indicate the type element, he did not validly publish the name *B. chunanensis*.

The name *Berberis chunanensis*, ascribed to T. S. Ying, is validly published here by reference to Ying's (1999: 315) validating Latin diagnosis and description and by designation of the cited specimen at PE as the holotype. The correct authorship is, therefore, *Berberis chunanensis* T. S. Ying (McNeill et al., 2006, Art. 46.2).

Berberis chunanensis T. S. Ying, sp. nov. TYPE: China. Zhejiang: Chunan Xian, Wangfu, Pushuwan, 29 Aug. 1958, *anonymous 30227* (holotype, PE; isotype, HHBG).

Distribution and IUCN Red List category. *Berberis* L., with ca. 500 species, is widespread in the Northern Hemisphere, with 215 species, including 186 endemic, distributed in China. About 140 *Berberis* species represent the genus in southwestern China (Sichuan, Yunnan, and the Tibet Autonomous Region), but a few species are also endemic to eastern China (Ying, 2001); *B. chunanensis* is an endemic species found in Zhejiang, in eastern China. According to IUCN Red List criteria (IUCN, 2001), it should be considered Vulnerable (VU), and in need of conservation.

Acknowledgments. Thanks are due to J. McNeill for his nomenclatural advice and critical comments on the manuscript.

Literature Cited

- IUCN. 2001. IUCN Red List Categories and Criteria, Version 3.1. Prepared by the IUCN Species Survival Commission. IUCN, Gland, Switzerland, and Cambridge, United Kingdom.
- 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.
- Ying, T. S. 1999. New taxa of *Berberis* L. (Berberidaceae) from China. *Acta Phytotax. Sin.* 37: 305–350.
- . 2001. Berberidaceae. Pp. 50–343 in T. S. Ying, *Flora Reipublicae Popularis Sinicae*, Vol. 29. Science Press, Beijing.