Validation of *Ctenitis jinfoshanensis* (Dryopteridaceae) and *Lepisorus simulans* (Polypodiaceae) for fern flora of China

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As the largest finished floristic project, the *Flora of China* documents 31,362 species of vascular plants, of which 2,129 species are ferns and lycophytes (Lin et al. 2013, Wu et al. 2013, Zhang & Gilbert 2015). While working on a revision of the fern genus *Ctenitis* C.Christensen (Dryopteridaceae; Smith et al. 2006, Liu et al. 2007, Zhang et al. 2013) in the Old World, we happened to find that two unrelated names published in a same article by Ching & Liu (1984), *Ctenitis jinfoshanensis* Ching & Z.Y. Liu and *Lepisorus simulans* Ching & Z.Y. Liu (Polypodiaceae), were not validly published, because two gatherings were designated as types for each name (Art. 40.2; McNeill et al. 2012). In fact, the type designations of each name were conducted twice in Latin and Chinese by the authors, respectively, and each time a different gathering was designated as type. Here we validate the two names by choosing one gathering as the type for each name.

**Taxonomic Treatment**


   Type:—CHINA. Chongqin, Nanchuan, Jinfoshan, by streamside under forest, 750 m, 28 Apr. 1983, Z. Y. Liu & J. L. Zhang 4049 (holotype PE-00044714!).

   Paratype:—CHINA. Chongqin, Nanchuan, Sanquan, Chasha, 750 m, 21 Mar. 1983, Z. Y. Liu & J. L. Zhang 3901 (PE-01863859!).

   Two gatherings, Z. Y. Liu & J. L. Zhang 4049 and Z. Y. Liu et al. 3901, were designated as “type” in Latin and Chinese, respectively, in the protologue (Ching & Liu 1984). The validating description and diagnosis were previously published by Ching & Liu (1984: 14–15). This species was originally described from Jinfoshan, Nanchuan, belonging to Sichuan before but to Chongqin now. Dong & Christenhusz (2013) recognized it as one of 10 species native to China.


   Type:—CHINA. Chongqin, Nanchuan, Jinfoshan, on tree trunks, 1650 m, 12 May 1983, Z.Y. Liu 4096 (holotype PE-00044874!).

   Paratype:—CHINA. Chongqin, Nanchuan, Jinfoshan, Z.Y. Liu 4038 (PE, not seen).

   Two gatherings, Z. Y. Liu & J.L. Zhang 4049 and Z. Y. Liu et al. 3901, were designated as “type” in Latin and Chinese, respectively, in the protologue (Ching & Liu 1984). The validating description and diagnosis were previously published by Ching & Liu (1984: 14–15). This species was originally described from Jinfoshan, Nanchuan, belonging to Sichuan before but to Chongqin now. Dong & Christenhusz (2013) recognized it as one of 10 species native to China.

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References


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http://dx.doi.org/10.1086/521710


http://dx.doi.org/10.2307/25065646


http://dx.doi.org/10.12705/641.23