

Validation of the name *Artemisia rutifolia* var. *ruoqiangensis* (Asteraceae)

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Artemisia rutifolia var. *ruoqiangensis* Y.R. Ling, described in 1992, was not validly published because four gatherings were cited but a holotype was not indicated. The gathering *S.G. Wu et al.* 2755 kept in Qinghai-Tibetan Plateau Museum of Biology (QTPMB) is here designated as the holotype.

Artemisia rutifolia var. *ruoqiangensis* Y.R. Ling (Ling 1992: 312) was described as a new variety from Xinjiang, China. It was distinguished from the typical variety by the involucre being 4–9 mm in diameter. In the protologue, Ling (1992) cited four gatherings, i.e. *S. G. Wu et al.* 3916, 2297, 2345 and 2755, but failed to indicate a holotype. Moreover, the herbarium in which the types were deposited was not specified although Ling mentioned some herbaria, such as LZDI, NWBI (QTPMB), KUN, PE, XJBI, XJA-IAC, in the original publication. Therefore, *A. rutifolia* var. *ruoqiangensis* was not validly published under Articles 40.1, 40.2 (with Art. 8.1) and 40.7 of the ICN (McNeill *et al.* 2012), despite meeting all of the other requirements for publication of a new taxon. Later, Jin and Chen (1999) cited merely one gathering, *S.G. Wu et al.* 3916, as type, but failed to specify the herbarium where the type was deposited. Thus, the name was still not validly published, violating to Art. 40.7. The problem was not recognized during the preparation of *Flora of China* (Ling *et al.* 2011).

While checking the specimens in KUN, PE, QTPMB, XJBI, and XJA (herbaria listed by Ling 1992), we found one sheet of *S.G. Wu et al.* 2755 (QTPMB 149299) and two sheets of *S.G. Wu et al.* 2345 (QTPMB 150358, 150359). The location of the other sheets is unclear. To enable formal usage of the name *A. rutifolia* var. *ruoqiangensis*, we hereby validate it by designating a holotype for it.

In the original publication, Ling (1992) did include a validating description and diagnosis in 1992, which constitute the validating reference under Art. 39.2 of ICN. Therefore, according to Art. 46.2, Y.R. Ling is the author of *A. rutifolia* var. *ruoqiangensis*.

Artemisia rutifolia* var. *ruoqiangensis
Y.R. Ling, var. nov.

VALIDATING LATIN DESCRIPTION: That of *Artemisia rutifolia* var. *ruoqiangensis* Y.R. Ling, *Guihaia* 12(4): 312. 1992, nom. inval. — HOLOTYPE (here designated): China. Xinjiang: Ruoqiang Xian, 4200 m a.s.l., 23 August 1988, *S.G. Wu et al.*

2755 (QTPMB barcode 149299!). — PARATYPE: China. Xinjiang: Ruoqiang Xian, 3100 m a.s.l., 29 August 1988, S.G. Wu *et al.* 2345 (QTPMB barcodes 150358!, 150359!).

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