



Trichophorum polygamum, a replacement name for Korean *Scirpus dioicus* (Cyperaceae)

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A replacement name *Neoscirpus dioicus* Y.N.Lee & Y.C.Oh (2006b: 25) was published for the illegitimate *Scirpus dioicus* Y.N.Lee & Y.C.Oh (2006a: 614), a name that applies to an endemic sedge occurring in limestone areas of the Gangwon-do Province, Republic of Korea (Park *et al.* 2016, Chung *et al.* 2017).

According to recent molecular phylogenetic studies, this species should be transferred to the genus *Trichophorum* Persoon (1805: 69) (e.g., Muasya *et al.* 2009, Jung & Choi 2010b, 2011a, 2011b).

Recently, by rediscovering type materials of *S. dioicus* at Korea National Arboretum (KH; herbarium acronyms according to Thiers 2019+), one of them has been designated as a lectotype (Son *et al.* 2019), and the nomenclatural issues related to that name seems to be resolved.

During the process of digitizing *Trichophorum* holdings in the KH, however, we realized that the name *Trichophorum dioicum* (Y.N.Lee & Y.C.Oh 2006b: 25) M.Kim (2017: 392), based on *N. dioicus* should be considered as a replacement name for *S. dioicus* (Art. 41. 8 (c) of ICN, Turland *et al.* 2018). The name is therefore cited as *T. dioicum* M.Kim, not *T. dioicum* “(Y.N.Lee & Y.C.Oh) M.Kim” (Art. 58.1 of ICN). Consequently, *T. dioicum* M.Kim is not available for use since it is a later isonym of *T. dioicum* J.Jung & H.K.Choi (2010a: 289) without nomenclatural status (Art. 6.3 Note 2 of ICN). The earlier name *T. dioicum* J.Jung & H.K.Choi, even being a superfluous illegitimate name when it is published (Art. 52.1 and 58.1 Note 1 of the ICN), is still validly published and therefore precludes further usage of the later isonym that has epithet *dioicus* in *Trichophorum*. Accordingly, based on the information discussed above, we propose below a new replacement name under *Trichophorum*.

Trichophorum polygamum D.C.Son & K.S.Chang, *nom. nov.*

Replaced synonym: *Scirpus dioicus* Y.N.Lee & Y.C.Oh (2006a: 614), nom illeg., non *S. dioecus* (Kunth) Boeckeler (1870: 719).

Synonym: *Neoscirpus dioicus* Y.N.Lee & Y.C.Oh (2006b: 25).

Related name: *Trichophorum dioicum* J.Jung & H.K.Choi (2010: 289), nom. illeg. nom. superfl.

T. dioicum M.Kim (2017: 392), isonym.

Lectotype (designated by Son *et al.* 2019: 295):—**KOREA**. Gangwon-do, Jeongseon-gun, Donggang river, 5 April 2006, Y.N.Lee & Y.S.Kim s.n. (KH-1459612!); isolectotype: KH-1459613!

Etymology: The specific epithet of the new replacement name is derived from the characteristics of this polygamous sedge.

Acknowledgements

This study was supported by the project ‘KNA1-1-23, 18-1’ funded by the Korea National Arboretum.

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