Taxonomic changes in Cleveaceae (Marchantiidae, Marchantiophyta)—a correction

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The recently published combination Clevea nana (Lindenh.) Crand.-Stotl. & D.G.Long, which was intended to replace the name Clevea hyalina (Sommerf.) Lindb. on the basis of nomenclatural priority, is a later homonym of Clevea nana (Shimizu & S.Hatt.) Borovichev & Bakalin published in 2013 for a different taxon. Consequently, the name Clevea hyalina is the correct name for the widespread dioicous member of the genus. The heterotypic name Clevea nana (Shimizu & S.Hatt.) Borovichev & Bakalin refers to a different monoicous species of the genus that had previously been placed in synonymy of Clevea pusilla (Steph.) Rubasinghe & D.G.Long.

Introduction

Based on his study of type specimens, Grolle (1981: 325) concluded that Fimbriaria nana Lindenberg (1829: 109) and Marchantia hyalina Sommerfelt (1833: 234) [the basionym of Athalamia hyalina (Sommerf.) S. Hattori in Shimizu & S. Hattori (1954: 54)] as well as Clevea hyalina (Sommerf.) Lindberg (1868: 291) refer to the same taxon and should be synonymized. Since the epithet “nana” was blocked in Athalamia Falconer (1848: 375) by Athalamia nana (Shimizu & S. Hattori 1953: 34) S. Hattori in Shimizu & S. Hattori (1954: 56), the accepted name for the taxon in that genus remained Athalamia hyalina (Sommerfelt) S. Hattori. Recently, molecular phylogenetic studies by Rubasinghe et al. (2011a) supported the recognition of Clevea Lindberg (1868: 289) and Athalamia as distinct genera, with only Athalamia pinguis Falconer (1848: 375) retained in Athalamia. In a subsequent paper (Rubasinghe et al. 2011b), Clevea was circumscribed to include three species, namely, the widespread and well-known, dioicous C. hyalina (Sommerfelt 1833: 234) Lindberg (1868: 291) along with the less well-known, monoicous C. spathysii (Lindenberg 1829: 104) Müller (1940: 75) and C. pusilla (Stephani 1905: 74) Rubasinghe & D.G.Long in Rubasinghe et al., 2011b: 167. At the same time, Athalamia nana [Basionym: Gollaniella nana Shimizu & S. Hattori 1953: 34] was placed in synonymy of C. pusilla along with three other Asiatic taxa (Rubasinghe et al. 2011b: 167).

When the genus Clevea was segregated from Athalamia (Rubasinghe et al. 2011a), the binomial Fimbriaria nana became available as an earlier epithet for Clevea hyalina but this was not addressed by Rubasinghe et al. (2011b). The combination Clevea nana (Lindenberg 1829: 291) Crandall-Stotler & D.G. Long was subsequently made in Long et al. (2016: 79), with a note that a proposal to conserve the name Clevea hyalina would be made to enable this long-familiar name to be retained. However, prior to the Long et al., 2016 publication, Borovichev & Bakalin (2013) rejected the synonymy of Athalamia nana under Clevea pusilla proposed by Rubasinghe et al. (2011b) and published the new combination Clevea nana (Shimizu & S.Hattori) Borovichev & Bakalin (2013: 59) for this newly-recognised taxon. Thus, the combination Clevea nana (Lindenberg) Crandall-Stotler & Long published in Long et al. (2016: 79) is illegitimate since it is a later homonym of Clevea nana (Shimizu & S.Hattori) Borovichev & Bakalin (Art. 53.1, McNeill et al. 2012). The corrected taxonomic citations for the two affected taxa are as follows:

Corrected synonymy


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**References**


Stephani, F. (1905) Hepaticae species novae XI. *Hedwigia* 44: 72–75.