Distributional novelties for Lewinskya, Nyholmiella and Orthotrichum (Orthotrichaceae) in China

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Lewinskya vladikavkana and Orthotrichum alpestre are recorded for the first time from China and 14 species of the genera Lewinskya, Nyholmiella and Orthotrichum are newly reported from various provinces in China, including Gansu, Heilongjiang, Hubei, Hunan, Inner Mongolia, Jilin, Qinghai, Shaanxi, Shanxi, Shandong, Sichuan, Xinjiang, Xizang, Yunnan and Zhejiang. Distribution and ecology of newly recorded species are briefly discussed. Diversity of the broadly conceived genus Orthotrichum in China is summarised. In total, it currently consists of 43 species in this country, including 15 species of the genus Lewinskya, one of Nyholmiella and 27 of Orthotrichum s.str.

Key words: Asia, biodiversity, Bryophyta, distribution, epiphytes, Musci, new records, phytogeography, rupicolous mosses.

Introduction