



Typification of miscellaneous Brassicaceae (Cruciferae) from Central and Middle Asia

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Abstract

The present paper deals with the typification of 25 names (11 species, 13 varieties, and one form) in the Brassicaceae, of which the majority (19 names) is in *Draba*. In addition, *Arabis tibetica* var. *bucharica*, *A. tibetica* var. *pinnatifida*, *Eutrema potaninii*, *Pseudobraya kizyl-arti*, *Sisymbrium mollissimum* f. *pamiricum*, and *Winklera patrinooides*, which are currently treated as synonyms in the genera *Crucihimalaya* (3 names), *Draba*, *Eutrema*, and *Lepidium* (one name each), are also typified. Most of the original material was collected from the five Middle Asian republics of the Former Soviet Union (especially Kyrgyzstan and Tajikistan), and some other was from China, with a few syntypes of three *Draba* taxa originating from Asian Russia, Mongolia, Kashmir, and Sikkim.

Key words: China, *Crucihimalaya*, *Draba*, Kyrgyzstan, lectotype, Tajikistan.

Introduction

During the work by the second author on the Brassicaceae account for the Pan-Himalayan Flora (PHF), it became evident that the majority of accepted names and their synonyms in that flora require lectotypification. The present paper focuses on the typification of names of those taxa that were collected and described by predominantly Russian botanists mostly from Middle Asia (Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan, Uzbekistan) or Chinese Central Asia (Gansu, Inner Mongolia, Sichuan, Tibet), with fewer specimens from other regions of China (Beijing, Hubei), Siberia and Far East of Russia, Mongolia, Kashmir, and Sikkim. Many taxa are widespread in the PHF area, though some have their southernmost ranges only in the northern parts of the flora limits.

Herbarium specimens deposited at LE were the basis of all typifications because this herbarium holds the main stock of relevant collections; few duplicates elsewhere known to us were taken into account as well. Altogether, one previously and unintentionally designated lectotype is recognized and commented upon, and 24 lectotypes are designated herein, though in two cases with an admission of being possible holotypes. All names are arranged alphabetically in descending order according to genera, then species and infraspecific taxa. Accepted names are in boldface italics, whereas names in italics are synonyms. Taxonomic assessments are made for each typified name. Designated types are cited in full; existence of other syntypes is indicated without direct citations.

Typifications

1. *Arabis tibetica* [var.] β *bucharica* Lipsky (1900: 4) ≡ *Arabis bucharica* (Lipsky) Nevski (1937: 301) [*Crucihimalaya wallichii* (Hooker & Thomson 1861: 158) Al-Shehbaz, O’Kane & Price (1999: 301)].

Type locality indication: “Hissar: Pass Karatogmon, fr. immat. 10 July 1896 (!!). Upper reaches of Kanyaz’, specimens ramose, fr. immat. 25 July 1896 (!!). Upper reaches of Sorbo, specimens with rather long prostrate branches, axils