

NOTES ON SOME SPECIES OF *STROGANOWIA* TRANSFERRED TO *LEPIDIUM* (BRASSICACEAE)

IHSAN A. AL-SHEHBAZ¹

Abstract. The new name *Lepidium uzbekistanicum* is proposed to replace the later homonym *L. seravschanicum*. *Lepidium karelinianum* is reduced to synonymy of *L. kirilowii*. Three other species of *Lepidium* are lectotypified.

Keywords: Brassicaceae, *Lepidium*, nomenclature, *Stroganowia*, typification.

During a recent visit to herbarium of the Komarov Institute of Botany (LE), I had the chance to examine all of the Asian type collections of the genera *Lepidium* and *Stroganowia*. As a result, the following corrections need to be made to some of the nomenclatural changes proposed by Al-Shehbaz et al. (2002).

Lepidium brachyotum (Karelin & Kirilov) Al-Shehbaz in Al-Shehbaz et al., Novon 12: 8. 2002.

Basionym: *Stroganowia brachyota* Karelin & Kirilov, Bull. Soc. Imp. Naturalistes Moscou 14: 387. 1841. TYPE: "In montosis deserti Soongoro-Kirghisici prope Ajagus," June 1840, *G. S. Karelin & I. P. Kirilov 124* (Lectotype, here designated: LE!; 15 Isolectotypes: LE!).

Al-Shehbaz et al. (2002) indicated that the holotype of this species is *Karelin & Kirilov s.n.* However, no holotype was found, and the type collection is represented by 16 syntypes all belong to *Karelin & Kirilov 124*. The most complete specimen carrying the hand writing of one of its original collectors is designated herein as the lectotype.

Lepidium karelinianum Al-Shehbaz in Al-Shehbaz et al., Novon 12: 8. 2002.

The above new name was proposed to avoid the creation of a later homonym that would result from the transfer of *Stroganowia intermedia* Karelin & Kirilov (Bull. Soc. Imp. Naturalistes Moscou 15: 162. 1842) to *Lepidium* because of the existence of *L. intermedium* A.

Richard (Tent. Fl. Abyss. 1: 21. 1847). However, upon the examination of the lectotype and 12 isolectotypes of *S. intermedia* (all at LE) and three syntypes of *L. kirilowii* Trautvetter (Bull. Soc. Imp. Naturalistes Moscou 33(1): 130. 1860), it became abundantly clear that the two species are conspecific. In fact, both Trautvetter (1860) and Thellung (1906) listed the earlier-published *S. intermedia* as a synonym of *L. kirilowii*, though they did not mention *L. intermedium* A. Richard to indicate that *L. kirilowii* was a new name to accommodate the transfer of *S. intermedia* to *Lepidium*. Nevertheless, the correct name for the species in *Lepidium* should be *L. kirilowii* and not *L. karelinianum*.

Of the three specimens of *Lepidium kirilowii* in the Trautvetter herbarium in LE, two were annotated by Trautvetter and both were collected by Alexander Schrenk from Tarbagati in what is now Kazakhstan. Because Trautvetter (1860) based his paper on collections made by Schrenk from 1840 to 1843, the specimen collected in 1841 should serve as the type, whereas that collected in 1844 should be the paratype.

Lepidium sagittatum (Karelin & Kirilov) Al-Shehbaz in Al-Shehbaz et al., Novon 12: 9. 2002.

Basionym: *Stroganowia sagittata* Karelin & Kirilov, Bull. Soc. Imp. Naturalistes Moscou 14: 387. 1841. TYPE: "In arenosis ad radicem montium Tarbagati praesertim ad torrentes Dschany-bek et Terekty," May 1840, *G. S. Karelin & I. P. Kirilov 123* (Lectotype, here designated: LE!; 12 Isolectotypes: LE!).

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¹Missouri Botanical Garden, P.O. Box 299, St. Louis, Missouri, 63166-0299, U. S. A.

In Al-Shehbaz et al. (2002), the holotype was said to be *Karelin & Kirilov s.n.*, but no such specimen was designated by the authors. The above type collection is represented by 13 syntypes, all belong to *Karelin & Kirilov 123*, and the most complete one is designated as the lectotype.

Lepidium tolmaczovii (Junussov) Al-Shehbaz in Al-Shehbaz et al., Novon 12: 9. 2002.

Basionym: *Stroganowia tolmaczovii* Junussov, Dokl. Akad. Nauk Tadjh. SSR 18(2): 62. 1975. TYPE: W TAJIKISTAN. Karatau ridge, 4 km N of Mt. Chodzha-Maston, 17 May 1960, A. Meczislavskij & V. N. Zavedeev 675 (Lectotype, here designated: LE!; 3 Isolectotypes: LE!).

There are four sheets at LE all with exactly the same collection data and all marked as type. The most complete sheet with the author's hand

writing is taken here as the lectotype; the other three as isolectotypes.

Lepidium uzbekistanicum Al-Shehbaz, *nom nov.*

Basionym: *Stroganowia saravschanica* L. L. Bulgakova, Bot. Mater. Gerb. Inst. Bot. Akad. Nauk Uzbeks. S.S.R. 20: 8. 1982. TYPE: UZBEKISTAN. Jugum Seravschanicum: above Sarykol, vicinity of Tillja-Tikan, ca. 1000, 13 June 1980, L. Bulgakova s.n. (Holotype: TASH; 4 Isotypes: LE!, MO!).

Lepidium saravschanicum (Bulgakova) Al-Shehbaz in Al-Shehbaz et al., Novon 12: 9. 2002, non *Lepidium seravschanicum* Ovczinnikov & Junussov, Fl. Tadjik. SSR 5: 628. 1978.

The new name *Lepidium uzbekistanicum* is proposed to replace the later homonym by Al-Shehbaz et al. (2002).

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