



Note on authorship and lectotypification of *Scutellaria glechomoides* (Lamiaceae) from Iran

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Scutellaria Linnaeus (1753: 598), with 425 currently recognized species (Paton 1990a), is one of the large genera in the family Lamiaceae. In Flora Iranica (Rechinger 1982), the genus is represented by 40 species, of which only 22 species grow in Iran and 10 species are endemic. *Scutellaria glechomoides* Boissier (1853: 67) ex Bentham (1848: 421) is an endemic species of Iran belonging to the subsection *Lupulinaria* (Hamilton 1832: 31) Paton (1990b: 347). *Lupulinaria* is the largest subsection with approximately 120 species distributed throughout North Africa and Eurasia (Paton 1990a, 1990b, Ranjbar & Mahmoudi 2013).

While doing a revision of *Scutellaria* species growing in Iran, we realized of confusion in the authorship and type specimen designated to *S. glechomoides*. After a thorough examination of literature and specimens at different herbaria, we proceeded to clarify the authorship of the species and to designate a new lectotype.

In Flora Iranica (Rechinger 1982), *Scutellaria glechomoides* is cited with authorship “Boiss. in DC.”. However, *S. glechomoides* first valid description was published in Bentham’s treatment of Labiatae in De Candolle’s Prodrômus (Bentham 1848), Bentham himself attributed the name to Boissier because he used the epithet Boissier had chosen and which was written on the labels of Kotschy’s plants distributed by Hohenacker. But it is only five years later that Boissier (1853) effectively published his own diagnosis based on the same collections. According to current rules of nomenclature there is no doubt that the species should be attributed to Bentham, with the following full correct citation: “*Scutellaria glechomoides* Boiss. ex Benth.”.

When describing *S. glechomoides*, Bentham cites two collections: *Aucher 5158* and *Kotschy 568*. In Flora Iranica, Rechinger (1982) selected a lectotype in G-BOIS: *Kotschy 569*, a collection number that is not mentioned neither in the protologue of *Scutellaria glechomoides* (1848: 421), nor in the later (and superfluous) diagnosis by Boissier (1853: 67). *Kotschy 569* specimen could not be located in G-BOIS herbarium in Geneva, nor in Hooker’s herbarium, now at K. This error can be explained by a specimen of *Scutellaria glechomoides* in W herbarium, labeled *Kotschy 569*. However, this specimen also has another label designating it as *Kotschy 568*. It is impossible to say which one is the original label, whether it is a mixed collection (A. Löckher, pers. comm. 2014). Actually Kotschy Pl. Pers. bor. N° 569 is a syntype of *Agropyrum longearistatum* Boissier (1884: 660), a Poaceae, described in Fl. Orientalis (Boissier 1884). Furthermore, according to the protologue, Rechinger (1982) should not have selected a lectotype in G-BOIS because the description by Bentham (1848) cites explicitly that he has seen the specimens in Hooker’s herbarium (“v.s. in h. Hook.”). Therefore the lectotypification in Fl. Iranica (Rechinger, 1982) should be rejected, and a new lectotype must be chosen in Hooker’s herbarium.

Typification

Scutellaria glechomoides Boiss. ex Benth. in DC. Prodr. 12: 421 (1848). Type (lectotype, here designated):—IRAN. Prov. Tehran: Tuchal, Yakh lake, *Kotschy Pl. Pers. bor. No. 568* (K000906245!; isolectotypes: G00435676!, G00330404!, G00472154!, P00743381!, P00743382!, JE00002622!, W0052111!) (Fig. 1).

Two syntypes collections (*Kotschy 568* and *Aucher 5158*) were cited in Bentham (1848) protologue for *S. glechomoides* and both are now deposited at K. The sheet *Kotschy 568* is selected as lectotype because its leaves, flowers, bracts, and inflorescence are more developed than the other sheet, matching clearly the characters mentioned in the protologue.



FIGURE 1. Lectotype of *Scutellaria glechomoides* (K).

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