

**LIPANDRA POLYSPERMA VAR. ACUTIFOLIA (CHENOPODIACEAE):
A CORRECTION AND VALIDATION**

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ABSTRACT

Lipandra polysperma (L.) var. *acutifolia* (Sm.) Mosyakin (*Chenopodium acutifolium* Sm.) (Chenopodiaceae) is validated with the correct citation of the basionym. The combination was published invalidly (Art. 41.5 of *ICN*) in 2013, with an incorrect citation of Smith's publication. Corrected citations (grammatical gender, Art. 21.2 of *ICN*) of two section-level combinations in *Oxybasis* Kar. & Kir. are also provided.

Following the taxonomic re-circumscription of *Chenopodium* L. (Chenopodiaceae) and some other genera (including *Lipandra* Moq.) earlier usually considered synonyms of *Chenopodium* (Fuentes-Bazan & al. 2012), I proposed the new nomenclatural combination *Lipandra polysperma* var. *acutifolia* (Mosyakin 2013) for a widespread and rather distinct variety of the species. However, it has been done with an incorrect citation of the basionym: "*Lipandra polysperma* (L.) S. Fuentes, Uotila & Borsch var. *acutifolia* (Sm.) Mosyakin, comb. nov. *Chenopodium acutifolium* Sm., Comp. Fl. Brit.: 42. 1800." In fact, the cited publication did not contain the name *Chenopodium acutifolium*, which was published by Smith (1805) later.

According to Art. 41.5 of *ICN* (McNeill & al. 2010), "[o]n or after 1 January 1953, a new combination, name at new rank, or replacement name is not validly published unless its basionym or replaced synonym is clearly indicated and a full and direct reference given to its author and place of valid publication, with page or plate reference and date." Art. 41.8 of *ICN* is not applicable in this particular case. Consequently, the varietal combination in *Lipandra polysperma* has not been validly published by Mosyakin (2013).

This error in citation of the protologue was caused by widespread earlier erroneous citations of Smith's publication in taxonomic literature, starting probably from *Index Kewensis* (Jackson 1895). In this monumental and impressive nomenclatural compilation, the authors and compilers (quite naturally in pre-computer times!) greatly relied on earlier compilations. In particular, Meikle (1971: 298) noted that "Daydon Jackson did not attempt to trace all names to their original sources, but was content to accept the references given by De Candolle, Pfeiffer, Bentham and other eminent authorities. As a result many errors, some of them very serious ones, often affecting the priority of a name, were innocently incorporated in the Index." The same incorrect citation of the place of publication of *Chenopodium acutifolium* was reproduced in many taxonomic and floristic treatments, for example Iljin & Aellen (1936), Clemants & Mosyakin (2003) etc., and in such databases as Tropicos (2016) and IPNI (until October 2013, since then corrected).

The corrected citation and validation of the new combination are provided below.

Lipandra polysperma* (L.) S. Fuentes, Uotila & Borsch var. *acutifolia* (Sm.) Mosyakin, **comb. nov.*
Chenopodium acutifolium Sm., Engl. Bot. 21: tab. 1481. 1805. *Chenopodium polyspermum*
L. var. *acutifolium* (Sm.) Gaudin, Fl. Helv. 2: 259. 1828.

In the same article (Mosyakin 2013) I proposed new combinations for former sections of *Chenopodium* now transferred to *Oxybasis* Kar. & Kir. According to Art. 21.2 of ICN, plural adjectival epithets of subdivisions of genera should agree in gender with the generic name. Thus, in *Oxybasis* (feminine) the section names must have the feminine plural ending: *Oxybasis* sect. *Urbicae* (Standl.) Mosyakin (published as "*Urbica*") and sect. *Glaucæ* (Standl.) Mosyakin (published as "*Glauca*"). The corresponding corrections (not affecting the validity of these names) were already made in IPNI in 2013 (Katherine Challis, personal communication in email to Sergei Mosyakin of 23 October 2013).

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