



A new combination in *Tulista*, *T. minor* (Alooideae, Asphodelaceae)

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Tulista Rafinesque (1840: 137) is the smallest of the three haworthioid genera recognised in the Asphodelaceae subfam. Alooideae, and widely considered to include four, or five, species [depending on whether *T. opalina* (Hayashi 2001: 17) Breuer (2016: 7) is accepted] (Smith *et al.* 2017).

When *Haworthia minima* (Aiton 1789: 468) Haworth (1812: 92), on which *Tulista minima* (Aiton) Boatwright & Manning in Manning *et al.* (2014: 70) is based, is treated as synonymous with *H. minor* (Aiton 1789: 468) Duval (1809: 7), as was done by Bayer & Manning (2012: 16) for example, the correct name for this species in *Haworthia* Duval (1809: 7) is *H. minor*. For this species concept, the name in use in *Tulista* is *T. minima*, which is nomenclaturally superfluous as an earlier epithet (*minor*) that should have been adopted is available (see Art. 52.1, McNeill *et al.* 2012). We here make the combination *T. minor* (Aiton) Gideon F.Sm. & Molteno using the earliest available epithet that applies to this species (see Art. 11.4, McNeill *et al.* 2012).

The epithet '*minor*' was for the first time used at species rank by Duval (1809: 7) when he elevated *Aloe margaritifera* (Linnaeus 1753: 322) Burman (1768: 10) var. *minor* Aiton (1789: 468) to that rank, as *Haworthia minor*.

Aloe margaritifera var. *minima* Aiton (1789: 468) was only treated at species rank three years later when Haworth (1812: page 92, not 29 as stated in the International Plant Name Index) published the species name *Haworthia minima*. He recognised *H. minor* and *H. minima* as distinct species. However, we regard the names *H. minor* and *H. minima* as referring to the same species.

A valid combination for *Haworthia minor*, when treated as a species of *Tulista*, and with *H. minima* as synonymous, is published here.

Tulista minor (Aiton) Gideon F.Sm. & Molteno, *comb. nov.*

Basionym:—*Aloe margaritifera* (Linnaeus 1753: 322) Burman (1768: 10) var. *minor* Aiton (1789: 468).

Lectotype (designated by Scott 1985: 14):—Illustration in Dillenius, *Hort. eltham.*: T. XVI, F. 17 [drawing on the left of P. 20]. 1732.

Homotypic synonyms (type as above):—*Haworthia minor* (Aiton) Duval (1809: 7). *Apicra minor* (Aiton) Steudel (1821: 59). *Aloe minor* (Aiton) Schultes & Schultes (1829: 648).

Heterotypic synonyms:—*Aloe margaritifera* var. *minima* Aiton (1789: 468). *Haworthia minima* (Aiton) Haworth (1812: 92). *Tulista minima* (Aiton) Boatwright & Manning in Manning *et al.* (2014: 70), nom. superfl. **Lectotype** (designated by Scott 1985: 17):—Illustration in Dillenius, *Hort. eltham.*: T. XVI, F. 18 [drawing on the right of P. 20]. 1732.

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