

Nomenclatural adjustments in African plants 3

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Background: Ongoing systematic studies in the African flora necessitate periodic nomenclatural adjustments and corrections.

Objectives: To effect requisite nomenclatural changes.

Method: Relevant literature was surveyed, and type material was located and examined.

Results: A new combination is published in *Dimorphotheca* Mairia Vaill. ex Moench (Asteraceae). Nomenclatural adjustments are provided for five recently described species of Hyacinthaceae in order to accommodate them in alternative classification systems currently in use.

Conclusions: The new combination *Dimorphotheca pinnata* var. *brevis* (Norl.) J.C.Manning is made for *Osteospermum pinnatum* var. *breve* Norl. *Eliokarmos craibii* Martínez-Azorín et al. and *Nicipe rosulata* Martínez-Azorín et al. are transferred to *Ornithogalum* as *Ornithogalum craibii* (Martínez-Azorín et al.) J.C.Manning and *Ornithogalum rosulatum* (Martínez-Azorín et al.) J.C.Manning, respectively; *Stellarioides exigua* Martínez-Azorín et al. and *S. littoralis* N.A.Crouch et al. are transferred to *Albuca* as *Albuca exigua* (Martínez-Azorín et al.) J.C.Manning and *Albuca littoralis* (N.A.Crouch et al.) J.C.Manning, respectively, and the genus *Desertia* Martínez-Azorín et al. is included in *Massonia* with the new combination *Massonia luteovirens* (Martínez-Azorín et al.) J.C.Manning.

1. A new combination in *Dimorphotheca* Vaill. ex Moench (Asteraceae: Calenduleae)

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Introduction

The species *Osteospermum pinnatum* (Thunb.) Norl. (Asteraceae: Calenduleae) was transferred to *Dimorphotheca* Vaill. ex Moench by Nordenstam (2006:46) but the name *O. pinnatum* var. *breve* Norl. (Norlindh 1965), published after Norlindh's (1943) revision of the genus, was overlooked and requires a combination in *Dimorphotheca*. This is provided here.

Taxonomic treatment

Dimorphotheca pinnata var. *brevis* (Norl.) J.C.Manning, *comb. nov.* *Osteospermum pinnatum* var. *breve* Norl. in Mitt. Bot. München 5:647 (1965). Type: Namibia, Witpüts-Süd, 1963, *Merxmüller & Giess* 3199 (M: Herb. Monac., holo.; S, iso.).

2. A further five new combinations in southern African Hyacinthaceae

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Introduction

Eliokarmos craibii Martínez-Azorín et al. (2015b), *Nicipe rosulata* Martínez-Azorín et al. (2014), *Stellarioides exigua* Martínez-Azorín et al. (2015a) and *S. littoralis* N.A.Crouch et al. (2014) are

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recently described species of Hyacinthaceae (alternatively treated as Asparagaceae subfamily Scilloideae) from southern Africa. They were named following the generic classification of subfamily Ornithogaloideae proposed by Martínez-Azorín et al. (2011), one of two classifications for the subfamily derived from substantively the same molecular phylogeny. This classification favours numerous small genera based primarily on floral characters. The alternative classification for Ornithogaloideae proposed by Manning et al. (2009) is a more conservative interpretation favouring larger, inclusive genera and is the preferred option among southern African botanists, where it has been adopted by the major herbaria in the country (e.g. BOL, NBG and PRE) and recent publications on the flora (e.g. Manning & Goldblatt 2012; Snijman 2013; Van Jaarsveld & Egli 2016). Similarly, the recent recognition of the new genus *Desertia* Martínez-Azorín et al. (2015c) for two species of subfamily Hyacinthoideae tribe Massonieae closely allied to the genus *Whiteheadia* Harv. is incompatible with the classification adopted by Manning et al. (2004) in which this genus was included in an expanded circumscription of *Massonia* Thunb. ex Houtt. The combinations that are required to integrate these new taxa into the generic classifications proposed by Manning et al. (2004, 2009) are accordingly provided here (see also Manning & Goldblatt 2013).

Taxonomic treatment

Albuca exigua (Martínez-Azorín et al.) J.C.Manning, *comb. nov.* (subg. *Urophyllon*). *Stellarioides exigua* Martínez-Azorín et al. in *Phytotaxa* 204: 138 (2015a). Type: South Africa, Eastern Cape, north of Fort Beaufort, ± 1 km from entry to Mpofo Nature Reserve, 28 Nov. 2010, Martínez-Azorín et al. MMA539 (GRA, holo.; ABH, K, iso.).

Albuca littoralis (N.A.Crouch et al.) J.C.Manning, *comb. nov.* (subg. *Urophyllon*). *Stellarioides littoralis* N.A.Crouch et al. in *Phytotaxa* 177: 262 (2014). Type: South Africa, KwaZulu-Natal, Ramsgate 16 Nov. 2007, Crouch and Styles 1283 (BNRH, holo.).

Massonia Thunb. ex Houtt., *Nat. hist.* 2: 424 (1780). Type: *M. depressa* Houtt.

Whiteheadia Harv., *Gen. S. Afr. Pl.*, ed. 2: 396 (1868). Type: *Whiteheadia latifolia* Harv. = *M. bifolia* (Jacq.) J.C.Manning & Goldblatt

Desertia Martínez-Azorín et al. in *Phytotaxa* 221: 206 (2015c), *syn. nov.* Type: *D. etesionamibensis* (U.Müll.-Doblies & U.Müll.-Doblies) Martínez-Azorín et al. = *M. etesionamibensis* (U.Müll.-Doblies & U.Müll.-Doblies) J.C.Manning & Goldblatt

Massonia luteovirens (Martínez-Azorín et al.) J.C.Manning, *comb. nov.* *Desertia luteovirens* Martínez-Azorín et al. in *Phytotaxa* 221: 210 (2015c). Type: Namibia, ± 15.5 km NW of Rosh Pinah, 19 Feb. 2015, Craib *s.n.* (WIND, holo.; ABH, GZU, iso.).

Ornithogalum craibii (Martínez-Azorín et al.) J.C.Manning, *comb. nov.* (subg. *Aspasia* sect. *Hispidaspasia*). *Eliokarmos craibii* Martínez-Azorín et al. in *Phytotaxa* 204: 69 (2015b). Type: South Africa, Northern Cape, Pella se Berge, 6 Oct. 2011, Craib *s.n.* (GRA, holo.; ABH, K, iso.).

Ornithogalum rosulatum (Martínez-Azorín et al.) J.C.Manning, *comb. nov.* (subg. *Ornithogalum* sect. *Linaspasia*). *Nicipe rosulata* Martínez-Azorín et al. in *Systematic Botany* 39: 785 (2014). Type: South Africa, Western Cape, ± 30 km west of Oudshoorn, 28 Sept. 2011, Martínez-Azorín et al. MMA899 (GRA, holo.; ABH, K, iso.).

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Competing interests

The author declares that he has no financial or personal relationships that may have inappropriately influenced him in writing this article.

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