

Domeykoa andina (Apiaceae; Azorelloideae), a New Species from Northern Chile

Por: [Saldivia, P](#) (Saldivia, Patricio)^[1,2]; [Faundez, L](#) (Faundez, Luis)^[1,3]; [Urbina-Casanova, R](#) (Urbina-Casanova, Rafael)^[4]; [Scherson, RA](#) (Scherson, Rosa A.)^[4]

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Resumen

This study reports a new species of *Domeykoa* (Apiaceae; Azorelloideae) from the Andes of northern Chile. A detailed description and an illustration of the species are provided. Diagnostic morphological characters that distinguish it from similar species are its erect habit, fewer flowers per umbel, and opposite leaves. The new species is an erect annual or short-lived perennial herb, it is glabrous, up to 25 cm high, and is profusely branched close to the base. Its umbels are simple, sessile, or sub-sessile with three or four yellow flowers. DNA was obtained for molecular phylogenetic analyses. Bayesian analyses showed that the new species, *D. andina*, is nested within the previously recognized Clade *Eremocharis-Domeykoa*, as sister to *D. amplexicaulis* from the southern coast of Peru. This study confirms previous findings that neither of the two genera in the clade are monophyletic, raising questions about the nomenclature. The phylogeny also suggests an interesting Peru-Chile latitudinal disjunction of more than 500 km, also seen in other recently described species. However, a more complete phylogeny is needed to make conclusions on this matter. Based on IUCN criteria and categories, we suggest assigning a critically endangered (CR) category to *Domeykoa andina*.

Palabras clave

Palabras clave de autor: [Asteriscium clade](#); [Atacama Desert](#); [disjunction](#); [Eremocharis](#); [phylogeny](#)

KeyWords Plus: [ALIGNMENT](#); [APIALES](#); [GENUS](#)

Información del autor

Dirección para petición de copias: Saldivia, P (autor para petición de copias)

Biota Gest & Consultorias Ambient Ltd, Ave Miguel Claro 1224, Santiago, Chile.

Dirección para petición de copias: Saldivia, P (autor para petición de copias)

[+](#) Univ Otago, Dept Bot, Univ Otago Herbarium OTA, POB 56, Dunedin 9054, New Zealand.

Direcciones:

[1] Biota Gest & Consultorias Ambient Ltd, Ave Miguel Claro 1224, Santiago, Chile

+ [2] Univ Otago, Dept Bot, Univ Otago Herbarium OTA, POB 56, Dunedin 9054, New Zealand

+ [3] Univ Chile, Fac Ciencias Agron, Lab Morfol & Taxon Vegetal, Ave Santa Rosa 11315, Santiago 1004, Chile

+ [4] Univ Chile, Fac Ciencias Forestales & Conservac Nat, Lab Sistemmat & Evoluc Plantas, Ave Santa Rosa 11315, Santiago 9206, Chile

Direcciones de correo electrónico: psaldivia@biota.cl

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AMER SOC PLANT TAXONOMISTS, UNIV WYOMING, DEPT BOTANY 3165, 1000 E UNIVERSITY AVE, LARAMIE, WY 82071 USA

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