

Zeitschrift: Candollea : journal international de botanique systématique = international journal of systematic botany
Herausgeber: Conservatoire et Jardin botaniques de la Ville de Genève
Band: 63 (2008)
Heft: 2

Artikel: Neotypification of the name *Lapiedra martinezii* Lag. (Amaryllidaceae)
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DOI: <https://doi.org/10.5169/seals-879231>

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Neotypification of the name *Lapiedra martinezii* Lag. (Amaryllidaceae)

Raúl Gonzalo Estébanez, Francisco Cabezas & Carlos Aedo

Abstract

GONZALO ESTÉBANEZ, R., F. CABEZAS & C. AEDO (2008). Neotypification of the name *Lapiedra martinezii* Lag. (Amaryllidaceae). *Candollea* 63: 205-207. In English, English and French abstracts.

In absence of original material, a neotype is designated for the name *Lapiedra martinezii* Lag. (Amaryllidaceae). The neotype is a specimen from SE Spain kept in the herbarium of the Royal Botanic Garden of Madrid (MA).

Key-words

AMARYLLIDACEAE – *Lapiedra* – Typification

Résumé

GONZALO ESTÉBANEZ, R., F. CABEZAS & C. AEDO (2008). Néotypification du nom *Lapiedra martinezii* Lag. (Amaryllidaceae). *Candollea* 63: 205-207. En anglais, résumés anglais et français.

En l'absence de matériel original, un néotype est désigné pour le nom *Lapiedra martinezii* Lag. (Amaryllidaceae). Ce néotype est un spécimen du SE de l'Espagne conservé dans l'herbier du Jardin Botanique Royal de Madrid (MA).

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Submitted on June 19, 2008. Accepted on July 31, 2008.

Introduction

Lapiedra Lag. is a monotypic genus of *Amaryllidaceae* described by LAGASCA (1816), comprising the western Mediterranean endemic species *L. martinezii* Lag. It has a wide disjunct area in S-SE Spain (ranging from the coast of Castellón to Málaga and including also some inland provinces, including Córdoba and Albacete) and an area in N Morocco, where it ranges from the coastal provinces between W Rif Mountains to the Gareb area and in Kert Ganc. This species grows in stony shrubby areas and in the fissures of calcareous rocks. Flowers usually bloom after early autumn rains, during September, and leaves fully develop after anthesis (MAIRE, 1959; JURY, 2002; AEDO, in press).

Three species were described and formerly included in this genus. *Lapiedra chilensis* Phil., distributed in South America, which was selected as the type species for the genus *Traubia* Moldenke by MOLDENKE (1963). It was lately adscribed by RAVENNA (1974) to *T. modesta* (Phil.) Ravenna. From S-SE Spain and NW Africa were also described *Lapiedra gracilis* Baker, currently synonymized to *Narcissus cavanillesi* Barra & G. López, and *L. placiiana* Herb., lately identified as a heterotypical synonym of Lagasca's name (BAKER, 1888; MÜLLER DOBLIES & MÜLLER DOBLIES, 1978; AEDO, in press).

The main characters differentiating *Lapiedra* from the other genera of *Amaryllidaceae* are the leaves with a white line on the abaxial surface, the tepals slightly fused in the base, lanceolate, patents to erect-patents, white, with a green line with 3-4 nerves on the dorsal surface and anthers basifixed (BAKER, 1888; MEEROW & SNIJMAN, 1998).

While addressing the generic treatment of *Lapiedra* for *Flora Iberica*, we realized that there was no type designated for the name *L. martinezii*. The purpose of this paper is to contribute to the stability of nomenclature by the neotypification of *L. martinezii*.

Neotype of *Lapiedra martinezii* Lag.

In the protologue by LAGASCA (1816), two original locations were mentioned. The first is: "Hab. ad saxorum rimas subhumidas, in monte Arcis Saguntinae, prope Sanctuarium de la Fuen Santa juxta Algezares oppidum in Murciae Regno..." probably collected by Lagasca. Unfortunately, part of his personal herbarium was destroyed during his travel from Madrid to Gibraltar, thus some type specimens were lost (STAFLEU & COWAN, 1979). The second reference is "... atque non procul a Malacensi urbe legit acerrimus Naturae scrutator D. Felix Haenseler... Collitur in R.M.H". Haenseler was a pharmaceutical and naturalist, originally from Switzerland but brought up in Málaga, where he collected many specimens.

Lagasca and Haenseler also exchanged vouchers throughout Europe, and thus we can find specimens of their personal collections included in herbaria such as those of Boissier,

Willkomm, Webb, Agardh, Swartz or Smith (C, COI, FI, G, S). For instance, *Hemionitis pozoi* Lag. was typified from a voucher kept in Swartz's Herbarium in Stockholm (MORTON, 1959). Thus, we decided to ask for possible type material included in those major herbaria. We also checked three local Andalusian herbaria where historic collections by Lagasca and Haenseler could be kept (SALGUEIRO, 1998): GDA, MGC and SEV. All keepers kindly responded to our letters, but, unfortunately, no specimens of *Lapiedra martinezii* neither from Lagasca or Haenseler have been found.

In the absence of original material the following specimen is proposed as the neotype of *L. martinezii*, since it was collected very close to the locality mentioned by Lagasca. It also bears many diagnostic characters of this species, usually absent in most of herbarium specimens.

***Lapiedra martinezii* Lag., Elench. Pl.: 14. 1816.**

Neotypus (here designated): **SPAIN. Murcia:** Cabo Tiñoso, Cala Cerrada, 37°32'31"N 1°9'35"W, 15 m, 9.X.2005, Aedo, C. 12305 (MA-731958) (Fig. 1).

Acknowledgements

We wish to thank the keepers of C, COI, G, GDA, FI, MGC, S, SEV herbaria for searching the herbarium material. This work was supported by the *Flora Iberica* project CGL2005-05471-C04-01, Ministerio de Educación y Ciencia, Spain.

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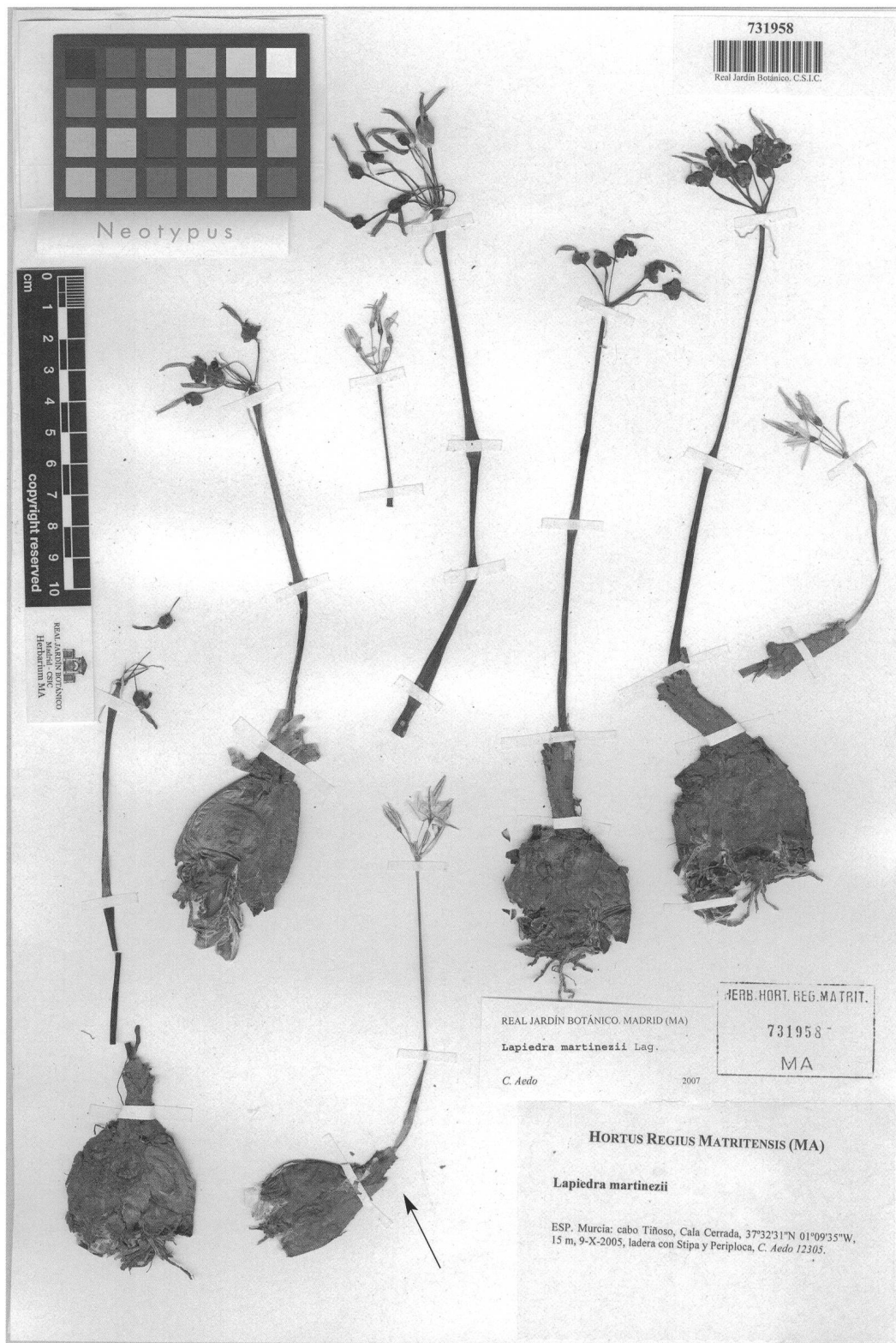


Fig. 1. – Neotype of *Lapiedra martinezii* Lag. [lower specimen, with the arrow].
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