

ON THE NOMENCLATURAL TYPE OF *LONICERA VALENTINA* (*CAPRIFOLIACEAE*)

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ABSTRACT: The nomenclatural type of *Lonicera valentina* Pau ex Willkomm has been recently discussed. A specimen preserved in the Pau's herbarium at MA has been indicated as the "holotype" of the name. However, the gathering cited in the protologue was originally represented by three specimens, and therefore a lectotype must be designated according to the International Code of Nomenclature for algae, fungi, and plants. **Keywords:** Holotype; lectotype; nomenclature; original material; Shenzhen Code.

RESUMEN: El tipo nomenclatural de *Lonicera valentina* (*Caprifoliaceae*). Recientemente ha sido discutido el tipo nomenclatural de *Lonicera valentina* Pau ex Willkomm. Un espécimen preservado en el herbario de Pau en MA se ha indicado como el "holotipo" del nombre. Sin embargo, la recolección citada en el protólogo estaba originalmente representada por tres especímenes y, por lo tanto, debe designarse un lectotipo de acuerdo al Código Internacional de Nomenclatura para algas, hongos y plantas. **Palabras clave:** Holotipo; lectotipo; nomenclatura; material original; Código de Shenzhen.

INTRODUCTION

Lonicera valentina Pau ex Willkomm (*Caprifoliaceae*) was described in 1891 from material collected in Castellón (Spain) (WILLKOMM, 1891: 52). This taxon is currently treated as variety of *L. implexa* Aiton, as *L. implexa* var. *valentina* (Pau ex Willkomm) Maire (RUIZ TÉLLEZ & DEVESA, 2007), although there are different treatments; e.g., as subspecies: *L. implexa* subsp. *valentina* (Pau ex Willk.) Rivas Mart. & M.J. Costa (Rivas-Martínez & Costa, in Rivas-Martínez *et al.* 2002), as form: *L. implexa* f. *valentina* (Pau ex Willkomm) Rehder (see REHDER, 1903), or within the variability of *L. implexa* (see MATEO & al., 2013).

According to RUIZ TÉLLEZ & DEVESA (2007), this plant is distributed in E and S of the Iberian Peninsula (Spain and Portugal) and Balearic Islands. It differs from *L. implexa* s. str. in its cuneate and attenuate leaves, with rounded base, free, not connate, connate only in the flowering branches, middle and lower leaves (0.9–)2–3.4(–4) × (0.7–)1–2.2(–2.4) cm, (1.2–)1.5–1.8(–2) wider than long, elliptical, ovate, oblanceolate or obovate, calyx 1.8–2 mm, with tube (1.3–)1.4–1.5(–1.6) mm and lobes (0.3–)0.4–0.5 mm, corolla glabrous, rarely hairy, anthers (2.9–)4–4.5(–5) mm.

The name *Lonicera valentina* was validly published by WILLKOMM (1891: 52) from the specific epithet mentioned by PAU (1889) as *Caprifolium valentinum*. Willkomm mentioned in the protologue: «*Lonicera valentina* Pau (sub *Caprifolio*) Not. III, p. 30 (sine descriptione)». Certainly, the name *Caprifolium valentinum* (see PAU, 1889: 30) is a *nomen nudum* because it was published without a description or diagnosis or reference to a description or diagnosis previously published.

The Willkomm's protologue of *Lonicera valentina* (WILLKOMM, 1891: 52) consisted of a complete description followed by the geographical indication: «In regno Valentino, ubi cl. Carolus Pau junio 1889 eam prope Segarbé

[Segorbe] in vallibus montis Monte Malo usque ad montem del Azutejo primus observavit» from PAU (1889: 30 sub «289. *Caprifolium valentinum* Pau» «Monte Malo, descendiendo por los barrancos hasta el del *Azutejo*: rara, Segorbe» [descending through the ravines to the *Azutejo*: rare, Segorbe]), repeated by WILLKOMM (1893: 134).

FERRER-GALLEGO & LAGUNA (2018: 288) indicated as the "holotype" of *Lonicera valentina* a specimen preserved at MA, with barcode MA118870 (image available at <http://161.111.171.57/herbarioV/visorVCat.php?img=MA-01-00118870>). As was indicated in the mentioned work, no additional original material was found in the consulted herbaria that contain Pau's material (e.g., B, BC, COI, FI, G, GB, GOET, K, L, W; acronyms according to THIERS, 2020), and therefore it was considered that the gathering mentioned by Willkomm in the protologue was represented by a single specimen.

The specimen at MA (MA118870) is the only original material that we know to exist currently. This material is in a good state of preservation and unambiguously represents the traditional concept and current use of the name.

However, for typification purposes, we have recently come to know a relevant statement published by PAU (1891: 39-40): «237. – *Lonicera implexa* Ait. – Vulgar en las cercanías de Segorbe. La *L. valentina* es bien diferente de la anterior su afine. No la describí en mi fascículo anterior porque esperaba coleccionarla de nuevo, pero una fuerte avenida de agua arrastró el único pie de estas cercanías y no puedo asegurar si la encontraré. Por fortuna tomé tres ramas únicas que vi floridas, repartidas de la siguiente manera: un ejemplar lo posee el Dr. Christ, de Basilea, otro el Sr. Willkomm, de Praga, y el restante lo guardo en mi herbario» [237. – *Lonicera implexa* Ait. – Vulgar in the vicinity of Segorbe. The *L. valentina* is very different from the previous one. I didn't describe it in my previous issue because I was hoping to collect it again, but a strong flood of water washed away the sole foot of these neighborhoods and I can't say if I will find it. Fortunately, I took three unique branches that I saw in

bloom, distributed as follows: one copy is owned by Dr. Christ, from Basel, another by Mr. Willkomm, from Prague, and the rest is kept in my herbarium].

Therefore, the gathering collected by Pau and cited in the protologue by WILLKOMM (1891) was originally represented by three specimens, which can be treated as syntypes (see Art. 9.6 and Art. 40, Note 1 of the Shenzhen Code, see TURLAND & al., 2018). In addition, the term “holotype” used by FERRER-GALLEGO & LAGUNA (2018) is an error that cannot be corrected to lectotype according to Art. 9.10, because the requirements of Art. 7.11 are not met.

In conclusion, we designate as the lectotype of the name *Lonicera valentina* the specimen at MA, with barcode MA 118870.

TYPIFICATION OF THE NAME

Lonicera valentina Pau ex Willk. in Oesterr. Bot. Z. 41: 52. 1891 ≡ *L. implexa* f. *valentina* (Pau ex Willk.) Rehder in Rep. (Annual) Missouri Bot. Gard. 14: 188. 1903 ≡ *Lonicera implexa* var. *valentina* (Pau ex Willk.) Maire in Bull. Soc. Hist. Nat. Afrique N. 22: 294. 1931 ≡ *L. implexa* subsp. *valentina* (Pau ex Willk.) Rivas Mart. & M.J. Costa in Itinera Geobot. 15: 704. 2002.

Lectotype (designated here):—[SPAIN]. Segorbe [Castellón province], barranco del Azutejo, *C. Pau s.n.*, June 1889 (MA barcode MA118870 [digital image!]) (image of the holotype available at: <http://161.111.171.57/herbarioV/visorVCat.php?img=MA-01-00118870>).

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