

Zeitschrift: Candollea : journal international de botanique systématique = international journal of systematic botany

Herausgeber: Conservatoire et Jardin botaniques de la Ville de Genève

Band: 64 (2009)

Heft: 2

Artikel: Lectotypifications in Hybanthus Jacq. (Violaceae) of the native flora of Argentina and Paraguay

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DOI: <https://doi.org/10.5169/seals-879211>

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Lectotypifications in *Hybanthus* Jacq. (Violaceae) of the native flora of Argentina and Paraguay

Micaela-Noemí Seo, Andrea-Mariel Sanso & Cecilia-Carmen Xifreda

Abstract

SEO, M. N., A. M. SANSO & C. C. XIFREDA (2009). Lectotypifications in *Hybanthus* Jacq. (Violaceae) of the native flora of Argentina and Paraguay. *Candollea* 64: 279-281. In English, English and French abstracts.

Hybanthus melchiorianus Schulze-Menz and *Hybanthus velutinus* Schulze-Menz (Violaceae) are lectotypified from E. Hassler's collections in G, since their holotypes conserved in B were destroyed.

Key-words

VIOLACEAE – *Hybanthus* – Argentina – Paraguay – Typification

Résumé

SEO, M. N., A. M. SANSO & C. C. XIFREDA (2009). Lectotypifications dans le genre *Hybanthus* Jacq. (Violaceae) de la flore native d'Argentine et du Paraguay. *Candollea* 64: 279-281. En anglais, résumés anglais et français.

Hybanthus melchiorianus Schulze-Menz et *Hybanthus velutinus* Schulze-Menz (Violaceae) sont lectotypifiés sur des récoltes d'E. Hassler conservées à G, leurs holotypes déposés à B ayant été détruits.

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Submitted on November 13, 2008. Accepted on November 2, 2009.

Edited by P. Perret

Hybanthus Jacq. is distributed in tropical and subtropical regions of the Old and New Worlds, and comprises ca. 150 species, of which ca. 75 are found in South America and Central America (SCHULZE, 1936; HEKKING, 1988). In particular, SPARRE (1950) and XIFREDA & SANZO (1999) cited 16 species as native to Argentina. More recently, in the “Catálogo de las Plantas Vasculares del Cono Sur” (SANZO & al., 2008), 14 species are cited for Paraguay, 5 for Uruguay and 12 for the Brazilian states of Río Grande do Sul, Paraná and Santa Catarina. Lastly, SOUZA (2002) in her thesis on *Hybanthus* in Brasil cited 26 species, of which 9 were from the state of São Paulo (SOUZA & SOUZA, 2002).

During a recent revision of the genus *Hybanthus* for Argentina (SEO, 2008), it appeared that names, published by SCHULZE (1934) from Argentina and Paraguay, were in need of lectotypification. SCHULZE (1936), who published one of the most comprehensive revisions of *Hybanthus* in South America, also described new species (SCHULZE, 1934), and the corresponding holotypes were deposited in the Botanischer Garten und Botanisches Museum Berlin-Dahlem (B). These specimens were destroyed during the Second World War together with all the material of *Violaceae* (HIEPKO, 1987).

In the case of *H. melchiorianus* and *H. velutinus*, the holotypes were specimens collected by E. Hassler, whose original collections are kept in G (RAMELLA & al., 2008). We designate the lectotypes from the isotypes found there.

Hybanthus melchiorianus Schulze-Menz in Notizbl. Bot. Gart. Berlin-Dahlem 12: 109. 1934.

Holotypus: PARAGUAY. **Presidente Hayes:** Gran Chaco, Santa Elisa latitud. S. 23°10', XII.1903, *Hassler & Rojas 2653a* (B [destroyed]).

Lectotypus (here designated): PARAGUAY. **Presidente Hayes:** Gran Chaco, Santa Elisa latitud. S. 23°10', XII.1903, *Hassler & Rojas 2653a* (G [G00076160]!). **Isotypi:** (G [G00076159]!, G [G00076161]!, GH, K [K000535118]!).

Hybanthus melchiorianus is an endemic species from the departments of Alto Paraguay and Presidente Hayes in Paraguay (SANZO & al., 2008). In the protologue, a holotype is cited as “Hassler 2653a. Herb. Berol.”, without any mention of isotypes or paratypes. We chose a complete and representative specimen from G as the lectotype.

Hybanthus velutinus Schulze-Menz in Notizbl. Bot. Gart. Berlin-Dahlem 12: 111. 1934.

Holotypus: PARAGUAY. **Caaguazú:** In regione fluminis Yhú, X.1905, *Hassler 9514* (B [destroyed]).

Lectotypus (here designated): PARAGUAY. **Caaguazú:** In regione fluminis Yhú, X.1905, *Hassler 9514* (G [G00076156]!). **Isotypi:** (G [G00076155]!, G [G00076157]!, G [G00076158]!).

Hybanthus velutinus has a wide distribution in Brasil (states of São Paulo, Paraná and Rio Grande do Sul), Paraguay (departments Caazapá, Canindeyú and Presidente Hayes), and in Argentina (SPARRE, 1950; XIFREDA & SANZO, 1999), where its occurrence needs reassessment. In the protologue, the only citation of original material is “Hassler 9514. Herb. Berol.”, without any mention of isotypes or paratypes. We chose a complete and representative specimen from G as the lectotype.

Acknowledgements

The authors wish to thank the curators of the herbaria B, BAA, BAB, BAF, CORD, CTES, G, K, LIL, LP, MCNS, P and SI for their help during the search of type material. They are grateful to CIC-PBA, CONICET, IAPT (Research Grants 2007) for their financial support, and to the anonymous reviewers for their comments.

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