



Nomenclatural notes on *Stelis ciliaris* (Pleurothallidinae, Orchidaceae)

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Abstract

In the course of preparing a generic treatment of the genus *Stelis* for Flora do Paraná, southern Brazil, historical material and literature of several taxa related to *Stelis ciliaris* have been studied and their morphologies and nomenclature elucidated. *Stelis leinigii*, *S. mystax-felis*, and *Stelis uhlii* are herein proposed as new synonyms for *Stelis ciliaris*. A lectotype is selected for *Stelis jimenezii* and a brief nomenclatural note on *Stelis confusa* is provided. Illustrations, updated synonym list, and taxonomic discussions are also presented for *Stelis ciliaris*.

Resumo

Durante a elaboração da monografia do gênero *Stelis* para a Flora do Paraná, sul do Brasil, os materiais históricos e protólogos dos diversos táxons relacionados a *Stelis ciliaris* foram estudados e suas respectivas morfologias e nomenclatura elucidadas. *Stelis leinigii*, *S. mystax-felis* e *Stelis uhlii* são propostos como sinônimos novos de *S. ciliaris*, um lectótipo é selecionado para *Stelis jimenezii*, uma breve nota taxonômica é fornecida para *Stelis confusa*, assim como são apresentadas ilustrações, sinonímia atualizada e discussões taxonômicas referentes a *Stelis ciliaris*.

Key words: nomenclature, Brazil, Paraná, *Stelis jimenezii*, *Stelis confusa*

Introduction

Stelis Swartz (1799: 239) *s.str.* (Orchidaceae) is the largest genus of subtribe Pleurothallidinae and comprises about 1,000 species (Luer 2009) of mostly epiphytic orchids distributed in tropical America, from Mexico south to Argentina, and with a few species in the Antilles (Pridgeon *et al.* 2006; Duque-Hernández 2008; Luer 2009).

In Brazil, Barbosa Rodrigues was the first to contribute significantly to the taxonomy of the genus. He described 22 new species in his seminal work *Genera et Species Orchidearum Novarum* (1877, 1881, 1891). Cogniaux (1896, 1906), in his orchid treatment for Martius's *Flora Brasiliensis* published the first monograph of the Brazilian *Stelis* and accepted 50 species. Pabst & Dungs (1975, 1977), in *Orchidaceae Brasilienses*, published an illustrated checklist of Brazilian orchids depicting 66 species of *Stelis* (Pabst & Dungs 1975). More recently, Barros *et al.* (2015) and Smidt (2015) listed 52 species for Brazil and 12 for the state of Paraná, respectively.

In the course of preparing the generic treatment of the genus *Stelis* for Flora do Paraná, southern Brazil, literature and critical material of several taxa related to *Stelis ciliaris* Lindley (1836: 353) were investigated and their morphologies and nomenclature elucidated. In this article, we discuss the taxonomy, nomenclature, synonymy, and floral morphology of this species.

Material and Methods

This study is based on literature review, on examination of living collections and specimens deposited in the following herbaria: AMES, HB, K, MBM, MBML, MO, RB, SEL, SP, UPCB (acronyms according to Thiers 2014).

For scanning electron microscope (SEM) analyses, samples were dehydrated in an ethanol series and submitted