A new species of Philodendron (Araceae) in Paraná, Brazil

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Abstract

A new species of Philodendron from the Atlantic Forest in Paraná, Brazil, is described and illustrated. Philodendron meridionale belongs to subgenus Philodendron, section Macrobelium. It is similar to P. loefgrenii, from which it differs by the cordate base and larger number of locules, and is also similar to P. roseopetiolatum, from which it can be distinguished by smaller leaves and obscure primary lateral veins.

Resumo

Uma nova espécie de Philodendron da Floresta Atlântica no Paraná, Brasil, é descrita e ilustrada. Philodendron meridionale pertence ao subgênero Philodendron, seção Macrobelium. É semelhante a P. loefgrenii, da qual difere por sua base cordada e maior número de lóculos e a P. roseopetiolatum, da qual pode ser distinguida por apresentar folhas menores e nervuras laterais primárias pouco aparentes.

Key words: aroids, Atlantic Forest, taxonomy, south Brazil

Introduction

The genus Philodendron Schott (1829: 780), with more than 700 estimated and 482 published species, is the second-most diverse genus of the family Araceae (Boyce & Croat 2012). For Brazil, 168 species are listed; 77 of these are endemic (Sakuragui et al. 2012a). Most species occur in humid tropical forests, and the centre of diversity corresponds mainly to the Atlantic Forest and the Amazon (Sakuragui et al. 2012b). The genus is divided into three subgenera: Meconostigma (Schott 1832: 20) Engler (1899: 554), Philodendron and Pteromischum (Schott 1856: 77) Mayo (1989: 168).

The subgenus Philodendron comprises most of the species and is internally divided in 10 sections and 11 subsections (Krause 1913). It is characterised by the presence of a single leaf in the stem sympodial units and by having a basal sterile male zone shorter than the fertile male zone (Coelho 2000).

The section Macrobelium (Schott 1856: 96) Sakur. (2006: 469) Engler, (1899: 554), Philodendron and Pteromischum (Schott 1856: 77) Mayo (1989: 168). The subgenus Philodendron is located, is characterised by having the following: leaf blades usually ovate, ovate triangular, or rarely oblong; base of the leaf blades often sagittate or cordate, rarely truncate, rounded, or cuneate; ovary locules contain few ovules; and basal or sub-basal placentation exists (Sakuragui 2001a). Several new Macrobelium species have been recently described in Brazil, mainly in the southeastern and northeastern regions (Sakuragui & Mayo 1997, Coelho 2000, Sakuragui 2001b, Coelho & Sakuragui 2007).

Material and methods

Samples were collected in different areas of the state of Paraná. Herbarium specimens of MBM (Curitiba Municipal Botanical Garden) and UPCB (Department of Botany Herbarium, Federal University of Paraná), acronyms according
the area has been occupied. The finding of this new species highlights the importance of the research and conservation of this biome. Although most of the localities in which the species occur are protected areas, such as the Saint-Hillaire Lange National Park, Pico Marumbi State Park, Graciosa State Park, the biological reserve of Rio dos Touros, and, in particular, the Nhandara Guaricana heritage reserve, the species is poorly known in the state of Santa Catarina. So far there is only one record for the state and, therefore, future field work is needed to the complete understanding of the geographic distribution of *P. meridionale*.

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**References**


