



Frullania curvilobula (Frullaniaceae, Marchantiophyta), a new species from Brazil

ALFONS SCHÄFER-VERWIMP¹, DENILSON F. PERALTA² & SAMYLIA M. DA COSTA SIQUEIRA³

¹ Mittlere Letten 11, D-88634 Herdwangen-Schönach, Germany. E-mail: moos.alfons@kabelbw.de

² Instituto de Botânica, Caixa Postal 68041, 04045-972 São Paulo, SP, Brazil. E-mail: denilsonfp@yahoo.com.br

³ Instituto de Botânica, Caixa Postal 68041, 04045-972 São Paulo, SP, Brazil. E-mail: samyliamayra@hotmail.com

Abstract

A new species of *Frullania* (subg. *Diastaloba*) from Southeastern Brazil is described and illustrated. It is characterized by relatively large size, large rounded underleaves with deeply arched insertion line and especially by the narrow, long-cylindrical and falcate lobules with a length-width ratio of 5.5–7:1. The occurrence of *Frullania lindenbergii* in the Neotropics is rejected. An updated key to the Brazilian species traditionally assigned to *F.* subgenus *Diastaloba* is provided.

Key words: Atlantic Forest, *Frullania* subg. *Diastaloba*, Jungermanniopsida, liverwort, Porellales

Resumo

(*Frullania curvilobula* (Frullaniaceae, Marchantiophyta), uma nova espécie para o Brasil). Uma nova espécie de *Frullania* (subg. *Diastaloba*) do Sudeste do Brasil é descrita e ilustrada. Esta espécie é caracterizada pelo tamanho relativamente grande, os anfigastros grandes e rômnicos com uma profunda linha de inserção arqueada e especialmente pelos lóbulos finos, longo-cilíndricos e comprimento relativo à largura de 5,5–7:1. A ocorrência de *Frullania lindenbergii* no Neotrópico é rejeitada. Uma chave atualizada para as espécies brasileiras tradicionalmente reconhecidas para o *F.* subgênero *Diastaloba* é apresentada.

Palavras-chave: hepática, Jungermanniopsida, Porellales, *Diastaloba*, Mata Atlântica

Introduction

The cosmopolitan genus *Frullania* Raddi (1818: 9), with an estimated number of 300–375 species (Yuzawa 1991, Schuster 1992, Gradstein *et al.* 2001) and more than 2000 described taxa (von Konrat *et al.* 2010), is the largest genus of Porellales. Yano (2008) listed 60 species for Brazil; however, only few taxonomic studies have been carried out on the Brazilian species. Lemos-Michel (1983) treated three species of *F.* subg. *Diastaloba* Spruce (1884: 55) from Rio Grande do Sul; Gradstein & Costa (2003) dealt with 31 species. During our study of Brazilian *Frullania* specimens we came across a new species, which is described below.

Description

Frullania (subg. *Diastaloba*) *curvilobula* Schäfer-Verwimp, D.F. Peralta & S.M. Siqueira, *sp. nov.* (Figure 1)

The new species clearly differs from all known members of subg. *Diastaloba* by the very long, narrow-cylindrical and usually conspicuously falcate lobules with a length-width ratio of 5.5–7:1.