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Nomenclatural notes on *Tectaria blepharorachis* (comb. nov.) and *T. fibrillosa* (Tectariaceae; Pteridophyta) for Malagasy fern flora

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Abstract

While working on a monograph of *Ctenitis* (Dryopteridaceae) found in Madagascar we discovered that two *Tectaria*-related names need nomenclatural attention: the name *C. poolii* (C.Christensen) Tardieu-Blot is not legimate, and *Dryopteris blepharorachis* C.Christensen should be reinstalled from synonymy. A new combination, *Tectaria blepharorachis* (C.Christensen) Li Bing Zhang & Yi F. Duan, is proposed. Line drawings of pinnae of the both related species are provided for identification purpose.

Introduction

Species of *Ctenitis* (C.Christensen) C.Christensen (1938: 544) (Dryopteridaceae), a fern genus previously placed in Tectariaceae, are widespread in the New and Old World wet tropics (Christensen 1938, Mickel & Smith 2004). A morphologically similar genus *Tectaria* Cavanilles (1799: 115) (Tectariaceae) is frequently found in tropical regions, with most species growing terrestrially in rain forests (Ding *et al.* 2013). These two genera share similar hairs, but the veins of *Ctenitis* are free while those of *Tectaria* are usually anastomosing (Holttum 1983, Mickel & Smith 2004). While preparing a monograph of *Ctenitis* in Madagascar, we found that two *Tectaria*-related names need nomenclatural attention: the name *C. pooli* (C.Christensen) Tardieu-Blot (1958: 330) is not legitimate, and *Dryopteris blepharorachis* C.Christensen, treated previously as a synonym, should be recognized with the latter transferred to *Tecataria*.

Taxonomy

1. *Tectaria fibrillosa* (Baker) J.P.Roux (2009: 194) (Figure 1).
Basionym:—*Nephrodium fibrillosum* Baker (1876: 418).
Type: MADAGASCAR. Antananarivo, *W. Pool s.n.* (holotype K-000351164!).
Homotypic synonyms:—*Aspidium fibrillosum* (Baker) Kuhn (1879: 65); *Dryopteris poolii* C.Christensen (1905: 285); *Ctenitis poolii* (C.Christensen) Tardieu-Blot (1958: 330), *nom. illeg.*; *Pseudotectaria fibrillosa* (Baker) Holttum (1990: 261).
Distribution: Madagascar.

When *Tectaria fibrillosa* was published, *Ctenitis poolii* was cited as a homotypic synonym by Roux (2009). The latter was based on *Dryopteris poolii*, a nomen novum for *Nephrodium fibrillosum*, the epithet being blocked by *D. fibrillosa* (Baker) C.Christensen (1905: 264) when transferred to *Dryopteris*. However, the epithet was available when the species was transferred to *Ctenitis*. Therefore, *C. poolii* is not legitimate.

Additional specimens examined:—MADAGASCAR. Antsiranana: Doany, PN DE Marojejy, 11.5 km sud-est de Doany, [14°25'36"S, 49°36'30"E], alt. 820 m, 14 Oct 2001, *F. Rakotondrainibe & H. Rasolohery 6226* (K, MO, P, TEF). Antsiranana: Vohemar, Daraina, Forêt de Binara, 7.5 km au sud-ouest de Daraina, [13°15'12"S, 49°37'12"

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contains at least three sheets at BM, S, and S-P, respectively. Holttum cited the one at S as the "type" (Holltum 1990) and thereby effectively lectotypified this name.

Additional specimen examined:—MADAGASCAR. Mandraka, 19 Jun 1906, *Alleizette 81* (P).

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