



New combinations in the fern genus *Tectaria* (Tectariaceae) for the Flora of China

MAARTEN J.M. CHRISTENHUSZ

Botanical Garden and Herbarium, Finnish Museum of Natural History, University of Helsinki, 00014 Helsinki, Finland.
phytotaxa@googlemail.com

Abstract

For studies on the fern family Tectariaceae for the Flora of China, four species previously treated as *Ctenitopsis* need new combinations in *Tectaria*. The new combinations are proposed here and information on their types is provided.

Introduction

The generic delimitation in Tectariaceae has been in considerable flux in the recent past. Molecular studies (e.g. Hasebe *et al.* 1995) have greatly increased the understanding of the placement of many genera and has redefined genera in Tectariaceae. Currently the family is considered to be composed of ca 10 genera (*Aenigmopteris*, *Arthropteris*, *Heterogonium*, *Hypoderris*, *Pleocnemia*, *Psammiosorus*, *Psomiocarpa*, *Pteridrys*, *Tectaria* and *Triplophyllum*). The genera *Ataxipteris*, *Ctenitis*, *Dryopsis* and *Lastreopsis*, previously associated with Tectariaceae, are now considered to belong to the Dryopteridaceae (Smith *et al.* 2006), and Liu *et al.* (2007) also placed *Pleocnemia* tentatively in that family. *Arthropteris* and *Psammiosorus* form a group sister to the rest of Tectariaceae (Hasebe *et al.* 1995), and for this reason are placed there (Liu *et al.* 2007), even though this makes the family difficult to define morphologically (Smith *et al.* 2006). Genera such as *Amphiblestra*, *Camptodium*, *Chlamydogramme*, *Cionidium*, *Ctenitopsis*, *Dictyoxiphium*, *Fadyenia*, *Hemigramma*, *Pleuroderris*, *Pseudotectaria* and *Quercifilix* are found to be embedded in *Tectaria* and are therefore included into that genus. Many combinations already exist to accommodate these generic changes, but for four of the Chinese species of *Ctenitopsis*, combinations are still needed. While revising the Tectariaceae for the *Flora of China*, I provide these combinations below with their type information.

***Tectaria acrocarpa* (Ching) Christenh., comb. nov.**

Basionym:—*Ctenitopsis acrocarpa* Ching in Ching & Wang (1981: 124).

Type:—CHINA: Yunnan: Jinping, S.K. Wu 3985 (holotype PE).

***Tectaria chinensis* (Ching & Chu H.Wang) Christenh., comb. nov.**

Basionym:—*Ctenitopsis chinensis* Ching & Wang (1981: 124).

Type:—CHINA: Yunnan: Hekou, Department of Biology of Yunnan University 512 (holotype PE)

***Tectaria sagenioides* (Mett.) Christenh., comb. nov.**

Basionym:—*Aspidium sagenioides* Mettenius (1858: 397).

Homotypic synonyms:—*Dryopteris sagenioides* (Mett.) Kuntze (1891: 813), *Ctenitopsis sagenioides* (Mett.)