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## TYPIFICATION OF *TECTARIA PARADOXA* (POLYPODIACEAE SUBFAM. TECTARIOIDEAE)

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### ABSTRACT

MAZUMDAR, J. 2017. Typification of *Tectaria paradoxa* (Polypodiaceae subfam. Tectarioideae). *Reinwardtia* 16(2): 93–95. — *Aspidium paradoxum* has not yet been lectotypified, because the original material is ambiguous. A specimen from the collections of A. Fée, the author of the species, was located in the herbarium of Montpellier (MPU), which is here designated as the lectotype for this species. It is now known as *Tectaria paradoxa*, a fern species widely distributed across tropical Asia.

**Key words.** *Aspidium paradoxum*, lectotype, protologue, Sri Lanka, *Tectaria*.

### ABSTRAK

MAZUMDAR, J. 2017. Tipifikasi *Tectaria paradoxa* (Polypodiaceae subfam. Tectarioideae). *Reinwardtia* 16(2): 93–95. — *Aspidium paradoxum* belum pernah dilektotipifikasi karena material aslinya masih meragukan. Spesimen koleksi A. Fée, penemu jenis ini, yang disimpan di herbarium Montpellier (MPU), pada makalah ini ditunjuk sebagai lektotipe jenis ini. Saat ini dikenal dengan *Tectaria paradoxa*, paku yang tersebar luas di kawasan Asia tropis.

**Kata kunci.** *Aspidium paradoxum*, lektotipe, protolog, Sri langka, *Tectaria*.

## INTRODUCTION

The name *Tectaria paradoxa* (Fée) Sledge (Polypodiaceae subfam. Tectarioideae; Christenhusz & Chase, 2014), a fern species from tropical Asia, is based on *Aspidium paradoxum* Fée. It is closely related to the African *T. gemmifera* (Fée) Alston (see Wang *et al.* 2014).

In the protologue of *Aspidium paradoxum* Fée (1850) cited a collection by *Gardner*, number 52 from Ceylon. For his study on tectarioid ferns of the region, Sledge (1972) was unable to locate original material that matched the description. According to the characters given in Fée's (1852) description in the protologue, Sledge (1972) transferred this species to *Tectaria* Cav., which is characterized by free veins. Holttum (1988) followed Sledge's (1972) placement of this name and following Fée's (1850) repeated *Gardner* 52 as the type. However, it appears that *Gardner* 52 is a mixed gathering as Sledge (1972) identified the specimen "Gardner 52 ex herb. Thos. Moore" in the herbarium of the Royal Botanic Gardens, Kew (K) as *Tectaria trimenii* (Bedd.) C. Chr.

A fertile frond of *Aspidium paradoxum* labelled with "Gardner 52" is present in the herbarium of the Université Montpellier II (barcode MPU015614, Fig. 1) carrying Fée's annotation "Aspidium paradoxum Fée Gen. Filic. p. 293". Fée also wrote "cum description", meaning he used MPU-015614 for making the description and thus original material.

Even though Fée (1850) provided measurements of a fertile frond in the protologue, which does not match with MPU-015614, indicating more than one specimen were used for the description. I consider the MPU specimen a syntype and to fix the application of this name it is here selected as lectotype.

## TYPIFICATION

*Tectaria paradoxa* (Fée) Sledge, *Kew Bull.* 27(3): 413. 1972.

Basionym: *Aspidium paradoxum* Fée, *Mém. Foug.* 5: 293. 1850.

Lectotype (designated here): Sri Lanka: *G. Gardner* 52, ex Herb. A. Fée and Herb. Dr Lesourl, 1847 (MPU-015614, Fig. 1).

**Distribution.** China, India, Myanmar, Sri Lanka, Taiwan and Thailand (Sledge 1972: 416).

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Fig.1. Lectotype of *Aspidium paradoxum* Fée (MPU-015614). © Université de Montpellier – Herbar MPU (SPH). Reproduced with permission.

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