

## The valid publication of *Monolophus* (Zingiberaceae) revisited

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**ABSTRACT.** The nomenclatural history of *Monolophus* Delafosse, Guill. & J.Kuhn is discussed. The combinations *Monolophus picheansoonthonii* (Phokham & Prasarn) Veldk. and *Monolophus pubescens* (Picheans. & Phokham) Veldk. are made.

**Keywords.** *Kaempferia*, new combination, nomenclature, Wallich

### Introduction

Mood et al. (2014) argued that *Monolophus* (Zingiberaceae) was validated by Wallich (1832), having first been mentioned by Wallich (1830: April) in the second issue of the *Plantae Asiaticae Rariores*. However, the name was validated earlier. There is a review of Wallich's book by Guillemain (1830: July) in the *Bulletin des Sciences Naturelles et de Géologie*. The French text for *Kaempferia elegans* Wall. is a more or less summarised translation of that by Wallich (1830) and thus *Monolophus* is not validated in this work: “suffirait peut-être pour éloigner cette plante du *Kaempferia*... en former un genre sous le nom de *Monolophus*”.

On page 31 of the Index in the next volume of *Bulletin des Sciences Naturelles et de Géologie*, published in October 1830 (fide printers mark on p. [1] of the issue) *Monolophus* is mentioned without an author and with the comment “Genre nouveau de Scitaminées” [New genus of the Scitaminae]. This may be regarded as an acceptance and validation of the name here. Wallich as the original author was not mentioned.

The journal was edited by [G.] Delafosse [mineralogist], [J.B.A.] Guillemain [botanist] and [J.] Kuhn [zoologist] and the name is, therefore, to be cited as: *Monolophus* Delafosse, Guill. & J.Kuhn, Bull. Sci. Nat. Géol. 23, Index: 31 (October 1830).

Mood et al. (2014) have shown that *Kaempferia elegans* is not a suitable candidate for the lectotype of *Monolophus*. Yet, Picheansoonthon (2016) erroneously maintained it as such. He also, mistakenly, thought that the new combinations in *Monolophus* by Mood et al. are illegitimate, which is against Art. 55.1 of the ICN (McNeill et al., 2012).

A proposal to conserve *Caulokaempferia* K.Larsen by Intharapichai et al. (2014) has not yet been considered by the appropriate committee. Since the publication

of Mood et al. (2014) two new species of *Caulokaempferia* have been published. These are here transferred to *Monolophus*.

*Monolophus picheansoonthonii* (Phokham & Prasarn) Veldk., **comb. nov.** – *Caulokaempferia picheansoonthonii* Phokham & Prasarn in Phokham et al., *J. Jap. Bot.* 90: 155, t. 1, 2 (2015). – TYPE: South-western Thailand, Kanchanaburi, Sankhla Buri Distr., Thung Yai Narasuan Wildlife Sanctuary, Mt Kulu Huamee, near Ro Kee stream, 15°12'97.4"N 98°29'58.2"E. *CP* [*Chayan Picheansoonthon*] 160814-1 (holotype BK).

*Monolophus pubescens* (Picheans. & Phokham) Veldk., **comb. nov.** – *Caulokaempferia pubescens* Picheans. & Phokham in Phokham et al., *Taiwania* 60: 77, t. 1, 2. (2015). – TYPE: Northern Thailand, Mae Hong Son, Mueang Mae Hong Son Distr., *CP* [*Chayan Picheansoonthon*] 130713-3 (holotype BK).

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