

## SHORT COMMUNICATION

Nomenclatural notes on some taxa of *Monolophus* (Zingiberaceae)Hussain Ahmed Barbhuiya<sup>1</sup>, Santanu Dey<sup>2</sup>, Durgesh Verma<sup>3</sup> & Moaakum<sup>4</sup><sup>1</sup>Landscape and Cosmetic Maintenance Section, Architectural and Structural Engineering, Division, Bhabha Atomic Research Centre, Trombay - 400085, Mumbai, India<sup>2</sup>Department of Botany, Nagaland University, Lumami - 798627, Nagaland, India<sup>3</sup>Botanical Survey of India, Northern Regional Centre, Dehradun - 248195, Uttarakhand, India;<sup>4</sup>Kohima Science College (Autonomous), Jotsoma, Kohima - 797002, Nagaland, India

## ABSTRACT

New combinations are proposed here for *Caulokaempferia monensis* and *Caulokaempferia kayinensis*.KEYWORDS: *Monolophus*, *Caulokaempferia*, new combination.

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## Introduction

Mood *et al.* (2014) have argued that the generic name *Caulokaempferia* K. Larsen is a superfluous name of genus *Monolophus* Delafosse, Guill. & J.Kuhn, they also thought that the name *Monolophus* was validated by Wallich (1832). Later, Veldkamp (2016) has rectified that the name *Monolophus* was actually validated earlier by Delafosse *et al.* (1830).

Larsen (1964) and Picheansoonthon (2016) have the opinion that Wallich (1830) might have considered *Kaempferia elegans* Wall. as the type of his provisional genus, which he called *Monolophus*. Therefore, they rejected the name *Monolophus* and considered it as synonymous with genus *Kaempferia* L. But, it is very clear from the Wallich's statement "*All three ought perhaps to be removed from Kaempferia, and formed into a distinct genus, for which I would propose the name of Monolophus, in allusion to the entire crest of the anther*" that he collectively included all the three species *i.e.* *Kaempferia secunda* Wall., *Kaempferia linearis* Wall. and *Kaempferia elegans* under *Monolophus*. Later, Guillemain (1830) has provided a summarized translation of Wallich's statement in the *Bulletin des Sciences Naturelles et de Géologie* and Guillemain's reference was quoted by Delafosse *et al.* (1830) while validating the genus. Hence, all the three species are automatically become syntype of genus *Monolophus*. Much later, Wu & Chen (1978) has designated *Monolophus linearis* as the lectotype of genus *Monolophus*. Mood *et al.*

(2014) have further discussed that the species *M. elegans* Wall. is not a suitable candidate for typification as Wallich himself cited the species with a query while transferring it to *Monolophus*. Therefore, in our opinion, the name *Monolophus* is valid and the name *Caulokaempferia* must be rejected. Recently, Sangnark *et al.* (2016) described two new species under *Caulokaempferia*, which are transferred here to *Monolophus*.

***Monolophus kayinensis*** (Picheans. & Sangnark) Barbhuiya, S.Dey & D.Verma **comb. nov.**

Basionym: *Caulokaempferia kayinensis* Picheans. & Sangnark in J. Jap. Bot. 91(3): 135. 2016.

Type:—MYANMAR. Kayin State: Hpa-an Township, Swegabin Hills, 152 m, 3 August 2014, *Picheansoonthon 030814-1* (holotype: BK).

***Monolophus monensis*** (Picheans. & Sangnark) D.Verma, Barbhuiya & S.Dey **comb. nov.**

Basionym: *Caulokaempferia monensis* Picheans. & Sangnark in J. Jap. Bot. 91(3): 136. 2016.

Type:—MYANMAR. Mon State: Mawlamyine (Moulmein), Myine Tharyan Town, Shwe Hinndhar, 152 m, 7 September 2014, *Picheansoonthon 070914-1* (holotype: BK).

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