



Validation of the name *Pogostemon petelotii* (Lamiaceae)

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Abstract

Dysophylla petelotii, originally described from Vietnam in 1936, is an invalidly published name because of the lack of a Latin diagnosis. It was later transferred to *Pogostemon* as *P. petelotii* (Doan) Phuong and *P. petelotii* (Doan) Budantzev, but neither Phuong nor Budantzev validly published the name *P. petelotii* because the basionym had not yet been validly published and neither of them provided a Latin diagnosis. Based on the studies of herbarium material, *P. petelotii* can be recognized as an independent species. We validate the name through providing an English diagnosis. *Pogostemon petelotii* is very closely related to *P. cruciatus*, but can be easily distinguished from the latter by leaf characters.

Key words: nomenclature, taxonomy, Thailand, Vietnam

Introduction

The genus *Pogostemon* Desfontaines (1815: 154) consists of about eighty species and is distributed mainly in tropical and subtropical Asia with another five species endemic to Africa (Bhatti & Ingrouille 1997, Harley *et al.* 2004). It belongs to the tribe Pogostemoneae, subfamily Lamioideae of the family Lamiaceae (Harley *et al.* 2004, Scheen *et al.* 2010, Bendiksby *et al.* 2011). The most recent revision of the genus was published by Bhatti & Ingrouille (1997), with 79 species recognized. Bhatti & Ingrouille (1997) re-circumscribed the genus with the reduction of *Dysophylla* Blume (1826: 826) and divided the genus into three subgenera: *P.* subgen. *Pogostemon*, *P.* subgen. *Allopogostemon* Bhatti & Ingrouille (1997: 97) and *P.* subgen. *Dysophylla* (Blume 1826: 826) Bhatti & Ingrouille (1997: 107).

In the *Flore Générale de L'Indo-Chine*, Doan (1936) described many new taxa of Lamiaceae in French. But according to Art. 39.1 of the ICN (McNeill *et al.* 2012), these names were not validly published because no Latin diagnoses were provided. A number of invalid new combinations have been made based on Doan's names (e.g., Hara 1985, Phuong 1995, Paton 1997, Budantzev 1999, Chuakul 2002). Suddee and his colleagues validly published most names of Doan except for those names which they did not accept (Suddee *et al.* 2004a, 2004b, 2005, Suddee & Paton 2006).

Dysophylla petelotii Doan (1936: 967) is one of those names published by Doan. Later it was transferred to the genus *Pogostemon* by Phuong (1995, 2000) and Budantzev (1999), who both made new combinations, *Pogostemon petelotii* (Doan) Phuong (1995: 44) and *Pogostemon petelotii* (Doan) Budantzev (1999: 23), respectively. Neither Phuong or Budantzev validated the name *Pogostemon petelotii* because the basionym had not yet been validly published, and neither of them provided the necessary Latin diagnosis or description when they made the new combination. When they validated some names of Lamiaceae, Suddee & Paton (2006) recognized that either “*Dysophylla petelotii*” or “*Pogostemon petelotii*” might be conspecific with *Pogostemon cruciatus* (Benthham 1830: 30) Kuntze (1891: 530) and thus did not validate the names “*Dysophylla petelotii*” or “*Pogostemon petelotii*”.