

Notes on two invalid publication of plant names

Jintu Sarma

Department of Environmental Science, Tezpur University, Napaam-784028, Assam, India
E-mail: jsarma88@gmail.com

Abstract

The article pointed out the invalid publication of two scientific names (i) *Globba racemosa* Jahnovi Brahma, Binay Singh Kokrajhar, and (ii) *Phyllanthus vasukii* Parthipan *et al.* and discussed the mistakes done by the authors of both the names.

Key words: *Globba racemosa*, *Phyllanthus vasukii*, Invalid publications

During some literature review, I have noticed two publications related to *sp. nov.*, one from Tamil Nadu and another from Assam. Perceiving the serious mistakes in these two publications, I decided to bring it to the notice of the plant taxonomy community. The details about the publications are discussed below.

1. Jahnovi Brahma¹ and Binay Singh² (¹Department of Botany, Science College, Kokrajhar; ²Department of Forestry, NERIST, Nirjuli) published one article in *European Journal of Zoological Research* 3 (4): 19 – 21. 2014 entitled “A New Species of *Globba* Sm. (Zingiberaceae) from Kokrajhar District of Assam, India”.

Authors have collected *Globba racemosa* Sm. (Exot. Bot. 2: 115, t. 117. 1808) from Kachugaon locality of Kokrajhar district, Assam. Without knowing anything, and with incomplete literature survey and knowledge on the provisions in ICN [Turland *et al.* 2018], they reported this taxa as a *species nova* just by changing the author citation as “*Globba racemosa* Jahnovi Brahma, Binay Singh Kokrajhar, *sp. nov.*” in their protologue. Which is very serious and unethical treatment in science. And, the *European Journal of Zoological Research* [ISSN: 2278–7356] has published it without proper verification. It is also interesting to note that the journal of Zoological sciences decided to publish a new plant name! However, this name will be treated as a later homonym that too for the same species.

2. Parthipan, M.¹; Rajendran, A.¹; Arumugasamy, K.²; Jemimma, H.L.² and Thirumaran, G.³ (¹Phytodiversity Research Laboratory, Department of Botany, School of Life Sciences; ²Kongunadu Arts & Sciences College, Department of Botany, Bharathiar University, Coimbatore- 641 046, Tamil Nadu, India; ³Kanthaswamy Kanda's College, Velur. Tamil Nadu) published an article in *International Journal of Advanced Research* 5(3): 2054 – 2059. 2017 [ISSN: 2320-5402] entitled, “A new species of the *Phyllanthus vasukii sp. nov.* (Phyllanthaceae) – from Southern Eastern Ghats of India”.

Here, the authors, nowhere mentioned in protologue any ‘typus’ or ‘holotype’, which is one of the basic requirement of ICN for valid publication of a new name. Now, as per the code (Turland *et al.* 2018) with the provisions of Article 40.6 and Rec. 40A.1 after 1.1.1990 for the name of a new taxon indication of the type is must as ‘typus’ or ‘holotypus’.

Therefore, the new species “*Phyllanthus vasukii*”, described by Parthipan *et al.* (2017) is to be treated as an invalid publication.

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