

VALIDATION OF THE PREVIOUSLY PUBLISHED NAME *ENDOBEUTHOS* *PALEOSUM*, A FOSSIL FLOWER IN MID-CRETACEOUS MYANMAR AMBER

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ABSTRACT

The name *Endobenthos paleosum*, previously published in this journal, was invalid due to the lack of a designation of one of the illustrations as the holotype specimen and the others as paratypes. This oversight is here corrected and the taxon name properly validated.

RESUMEN

El nombre *Endobenthos paleosum*, publicado anteriormente en esta revista, no era válido debido a la falta de la designación del espécimen de una de las ilustraciones como holotipo y las otras como paratipos. Este descuido se corrige aquí y el nombre del taxón se valida correctamente.

INTRODUCTION

In our publication of *Endobenthos paleosum*, a new genus and species of fossil angiosperms preserved in mid-Cretaceous Myanmar amber, 6 separate flowers are illustrated along with magnified views of the stamens and pollen present in the fossils. Because all the flowers are contained in a single block of amber, our assumption was that they had come from the same inflorescence, despite some differences in their calyx lengths and pubescence. It is possible, however, that the specimens may have come from different parental plants and coincidentally have been preserved together, a point that was not made clear in the paper. It has been called to our attention (A. Pavlova, pers. comm.) that for the taxon to be validly published, there should have been an explicit designation of one of the validating illustrations as the holotype and the remaining as paratypes. This is specified in Art. 43.3 of the International Code of Nomenclature for Algae, Fungi, and Plants (ICNAPF 2018) dealing with the names of new fossil species or infraspecific taxa published on or after 1 January 2001. The purpose of this note is to correctly validate the publication of this taxon by specifying which figure represents the holotype flower and which the paratypes.

CORRECTED TYPE DESIGNATIONS

Endobenthos Poinar & K.L. Chambers, **gen. nov.**, ex J. Bot. Res. Inst. Texas 12:136. 2018. TYPE SPECIES: *Endobenthos paleosum* Poinar & K.L. Chambers, sp. nov., op. cit. 134–137, here validated. Genus description is on page 136 of the above publication.

Endobenthos paleosum Poinar & K.L. Chambers, **sp. nov.**, ex J. Bot. Res. Inst. Texas 12:134–137. 2018. HOLOTYPE: catalogue number B-An-7A, **Fig. 3**, page 135; first paratype, catalogue number B-An-7B, **Fig. 1**, page 134, left hand flower; second paratype, catalog number B-An-7C, **Fig. 1**, page 134, right hand flower; third paratype, catalog number B-An-7D, **Fig. 2**, page 134, left hand flower; fourth paratype, catalog number B-An-7E, **Fig. 2**, page 134, right hand flower; fifth paratype, catalog number B-An-7F, **Fig. 7**, page 137. Specimens are deposited in the Poinar amber collection maintained at Oregon State University, Corvallis, Oregon, 97331, U.S.A. Numbers refer to the 6 flowers embedded together in one block of amber. Species description is on pages 136–137 of the above publication.

ACKNOWLEDGMENTS

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REFERENCES

- ICNAFP. 2018. International code of nomenclature for algae, fungi, and plants (Shenzhen Code). Regnum Veg. 159. Koeltz Botanical Books, Glashütten, Germany. <https://www.iapt-taxon.org/nomen>
- POINAR, G.O., JR. & K.L. CHAMBERS. 2018. *Endobeuthos paleosum* gen. et sp. nov., fossil flowers of uncertain affinity from mid-Cretaceous Myanmar amber. J. Bot. Res. Inst. Texas 12:133–139.