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New data on the epidermal structure of the leaves of *Podozamites* Braun

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Abstract

In this paper, we study the morphological and epidermal features of leaves of *Podozamites distans* (type species) from two localities near that of the lectotype in Bavaria, Germany whose morphology is identical with the leaves of the lectotype, designated here. Emended diagnoses are provided for the genus *Podozamites* and its type species *P. distans*. Two new species, *P. doludenkoe* from the Kokala Formation (Toarcian, Early Jurassic) and the Karadiirmen' Formation (Bajocian, Middle Jurassic) of Mangyshlak (Kazakhstan), and *P. irkutensis* from the Prisayan Formation (Aalenian–Bajocian, Middle Jurassic) of Irkutsk Basin (East Siberia, Russia), are described. The species originally described as *P. ex gr. lanceolatus* from Southern Primorye, *P. aff. eichwaldii* and *Podozamites* sp. from the Bureya Basin have been attributed to *P. doludenkoe*. The species originally described as *P. lanceolatus* and *P. lanceolatus* var. *longifolia* (Prynada, 1962) from the Prisayan Formation of Irkutsk Basin has been proved to be identical with *P. irkutensis*.

Keywords: *Podozamites*, conifer, Mesozoic, epidermal structure.

1. Introduction

The genus *Podozamites* Braun, 1843 was established for Mesozoic sterile foliage shoots. Originally, Braun included two species in this genus: *Podozamites distans* (Presl) Braun from Rhaeto–Liassic

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