



The palynology and palynofacies of the Miocene deposits from the Subcarpathian Nappe (Ciritei Quarry, Eastern Carpathians)

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Abstract

The present study focuses on the palynological assemblage and palynofacies of the Upper Burdigalian – Lower Badenian deposits from the Subcarpathian Nappe. The assemblage of aquatic microfossils indicates an inner neritic setting with normal water salinity, while the continental vegetation consists of taxa originating from swampy areas (*Taxodium*, *Myrica*, palms), hilly areas of low and medium altitude (*Quercus*, *Fagus*, *Carya* a.o.), and high altitude areas populated by various gymnosperms. The palynofacies of these deposits is characterized by the predominance of continental phytoclasts (coaly opaque particles and translucent fragments), indicating deltaic or lagoon environments.

Keywords: palynology, palynofacies, Lower – Middle Miocene, Subcarpathian Nappe.
