

Abstract

This diploma thesis is focused on morphological studies and taxonomic analyses of small regular and irregular echinoids found at the Nebužely locality; at this locality clastic sediments of Teplice Formation of Bohemian Cretaceous Basin are exposed. Presence of the belemnite *Praeactinocamax bohemicus* makes possible to assign the outcrop to late Turonian. Detailed morphological study of more than one hundred specimens enabled to distinguish four echinoids species (*Echinogalerus*, *Glyphocyphus*, *Nucleolites*, *Phymosoma*), less favourably preserved and/or very limited material is classified as belonging to two orders (Cidaroida, Hololectypoida) and one family (Phymosomatidae), respectively.

The next part of the thesis contains a possible palaeoecological reconstruction of the environment at the studied locality. Based on bathymetrically indicative molluscs, a shallow–water palaeoenvironment is suspected for this locality.

Key words: echinoid, Bohemian Cretaceous Basin, Turonian