

Abstract

The submitted thesis deals with the analysis of selected fish coprolites found in the Loučka site (Moravia; Menilite Fm.). Eleven specimens was selected (provisionally numbered I–XI) of which two were macerated (specimens I and II). The remaining nine specimens were examined at the surface of the sedimentary layers. Recognizable elements were classified to the following taxa: *Keasius parvus*, *Alopias exigua*, *Squalus* cf. *alsaticus*, *Sardinella sardinites*, *Anenichelum glarisianum*, *Palimphytes* sp., *Palaeogadus* sp., Gonostomatidae (gen. et. sp. indet.), Perciformes (gen. et sp. indet.), and Teleostei (gen. et sp. indet.). Composition of the studied coprolites I, II and IV suggest that these were produced by shark species *Alopias exigua* and *Squalus* cf. *alsaticus*. Studied coprolites V, VIII, X and XI were produced by some type of undetermined predatory fish (probably piscivore predator). For coprolites III, VI, VII and IX producer can not be determined.