

Abstract:

This work presents the family Deinotheriidae including the subfamily Chilgatherinae. Morphological differences of teeth point to anatomical differences between the genders *Chilgatherium*, *Prodeinotherium* and *Deinotherium*. Further, the anatomical differences of skull and postcranial skeleton of the Deinotherinae subfamily are described. The Extension of the family *Deinotherium* is tied to the migration routes from Africa to Asia and Europe. The Occurrence in the Czech Republic is confirmed by 2 important discovery sites. The first one is located in Horní Ves near Franzensbad where the skeleton of the species *Prodeinotherium bavaricum* was discovered. The second one is located near Česká Třebová and represented by the fragments of the lower jaw of the species *Prodeinotherium cuvieri*. The discussion focuses on the use of the lower tusks and the method of food intake.