

Abstract

In this thesis a review and detailed morphometric analysis of fossil material of genus *Plecotus* Geoffroy, 1818 (Microchiroptera) from central Europe from miocene till recent was done. Both metric and phenetic features of skull and teeth were compared with recent European species of this genus. The most detailed attention was focused on fossil species *Plecotus abeli* Wettstein-Westersheim 1923, which is most likely only an extreme phenotypic variety of *Plecotus auritus* group. Fossil record from Karlukovo (Bulgaria) was studied too. The first record of *Plecotus macrobullaris* Kuzjakin, 1965 was found there.