

Abstract

The bachelor's project is closely related to the problem of bark beetle calamities in the Bohemian Forest National Park in the Czech Republic, and to a possible use of paleolimnological methods for their historical reconstruction. The importance of subfossil beetles as a proxy in assessing past changes in the nature is growing, and the occurrence of remains of Scolytinae in lake sediments has been confirmed – also in the Bohemian Forest paleolake Stará jímká.

The thesis is a literature review of (1) the relationship between spruce forests and bark beetle gradations in the area, and (2) chitinous remains of bark beetle and other Scolytinae preserved in lake sediments, and their paleoecological implications.

Key words

Bohemian Forest (Czech Republic), spruce forests, bark beetle, paleolimnology, subfossil Coleoptera, paleolake Stará jímká