

ABSTRACT

This diploma thesis deals with malacological research of selected forest localities in the natural park Džbán (Central Bohemia). The goal of this work is to molluscan explore composition in target area and compare results with the research of Dr. Vojen Ložek from years 1947–2010. His collections, which are deposited in the Repository of the National Museum in Prague – Horní Počernice, were processed in detail for this purpose. Obtained results enabled evaluation of changes in researched localities and the impact of such changes on composition of malacocenoses over the years.

Standard malacological research was performed in selected localities of Džbán area. At 20 forest stations, we applied the method of soil samples, at 1 wetland locality we applied a method of wet washout. Collected material was further processed, determined and assessed. Altogether, 65 species of mollusc were found in selected area.

Place called Cikánský dolík was chosen for the didactic part of this diploma thesis, which means a proposal for field trip of natural science. Such provided instruction is suitable for pupils from the 2nd level of basic schools. After adjustment, it can be used for younger pupils or older students. A guide containing 25 species of terrestrial snails of Džbán area was created as an aid. This guide with a manual for determination can serve as an aid for teaching molluscs at basic schools and secondary schools.

KEYWORDS: gastropods, atlas of molluscs, field trip, Kladno region