

## ABSTRACT

This diploma thesis deals with common parasites of game animals, animals and human occurring in the territory of the Czech Republic. It focuses on their fixation and general preparation of such specimens for usage in teaching of Science.

The first part is devoted to the phenomenon of parasitism, and the history and definition of this concept. Systematic hierarchy of various unrelated parasitic groups is clarified.

The second part provides the list of parasites, from the evolutionary original to the highly derived groups. We give an overview of their morphology and anatomy with the emphasis on their life cycle. The detailed knowledge of life cycle is essential for obtaining specimens. In each group, we indicate methods of collection and fixation in detail.

The co called smartmicroscope represent the main point of the third part of proposed diploma thesis. Text of the thesis is supplemented with pictures taken by smart microscope, as well as by common microscope.

## KEY WORDS

parasite, parasitism, mikropredatore, vector, fixation, preparation, smart mikroskop