

## **ABSTRACT**

This bachelor thesis focuses on the hidden but very diverse community of protists and microscopic invertebrates in freshwater aquaria. Samples of these micro-organisms were obtained from microscopic slides submerged in aquaria for several weeks. The main output of this thesis is a multimedia didactical atlas of characteristic protists and invertebrates inhabiting freshwater aquaria. In total, eleven members from two phyla of protists and six phyla of invertebrate animals are presented using own original micrographs and short videosequences. The atlas was prepared in two forms - a text document and a web page. Potential of the atlas for use in biology teaching and extracurricular education is discussed.

Key words: zoology, protists, invertebrates, teaching, didactics, communities