

SUMMARY

This bachelor thesis is focused on an interesting group freshwater red algae (Rhodophyta). This group comprises organisms from quite distant evolutionary clades, nevertheless sharing similar ecological requirements. They mostly occur in unpolluted lotic ecosystems.

In the theoretical part, I summarized publications dealing with the general and ecological aspects of distribution of these algae (mainly of the genus *Batrachospermum*). For example, the issue of seasonal populational dynamics, or their role in succession of benthic algal communities.

The practical part includes floristic data on findings of various species of freshwater red algae, predominantly from the Czech Republic. Furthermore, it includes observation on seasonality of a single population of *Batrachospermum gelatinosum*.