This bachelor thesis summarizes the literature dealing with diversity of protist organisms in peatlands. First part presents brief general characteristics of peatlands for the acquisition of basic knowledge about this ecosystem. Further, this work concerns closely with spatial dynamics of protists in peatlands, with emphasis on microbiotops. The final part reviews available information on seasonal dynamics of protist organisms in peatlands and also on the factors that have an influence on seasonality.
This work concludes that the community of protist organisms in peatlands is different from those observed in other ecosystems. The composition of the community of protists in peatlands is very heterogeneous, because it depends on the type of microbiotop and prevailing physicochemical conditions. The communities of protist organisms are subject to seasonal dynamics as well. Nonetheless, this issue is largely unexplored so far, because there are substantially less recent studies concerning peatlands than for example other aquatic ecosystems that are frequently used for water quality monitoring.