

Abstract

The subject of the thesis is the potential of microscopic algae and cyanobacteria and its research at the ALGATECH Center, Institute of Microbiology, Czech Academy of Sciences. The theoretical part of the thesis presents the potential uses of algae and cyanobacteria, including situating the potential within the context of sustainable development. Furthermore, concepts such as science and research, normal and post-normal science, basic and applied research are defined. To understand the issues, key factors influencing science in the Czech environment are also illuminated. The aim of this qualitative research is to gain insight into the research and cultivation of microscopic algae and cyanobacteria. To thoroughly understand the complexity of the issue, the thesis poses additional research questions concerning factors influencing the cultivation and research of microscopic algae and cyanobacteria. These questions are answered through data collection via semi-structured interviews and documents. The collected data are sorted and analyzed using framework analysis.

Keywords: microscopic algae, cyanobacteria, science, research, basic research, applied research, sustainable development, fluid science.