

# ABSTRACT

This thesis **Medicinal plants: analysis of biology textbooks and the project proposal for lower secondary school** is focused on project-based learning at lower secondary school on the subject of medicinal plants and on the analysis of biology textbooks in the context of the topic. The first part is devoted to the theoretical bases on the method of project-based learning and theory about medicinal plants. The theoretical part of the project-based learning involves the historical development of project-based learning and the current concept of project-based learning. The theoretical part devoted to medicinal plants presents a view of this issue, focusing on the basic active substances of plants and their harvesting, drying and storage. The following is part of the research, which includes quite an extensive analysis of biology textbooks on the subject of medicinal plants. This section presents a considerable part of the thesis and thus represents a valuable material for teachers who want to deal with medicinal plants in their classes. Another key part of this work is design and implementation of project-based learning on the subject of medicinal plants at the lower secondary school. This chapter is focused on the process of creation of the project "Plant treasures of our garden", which is designed by author of this thesis, and the description of realization of the project at the lower secondary school.

**Key words:** project-based learning, class project, medicinals plants, analysis of biology textbooks