

ABSTRACT

This bachelor thesis deals with plant stimulants and their biologically active substances. The first theoretical part of the thesis presents basic information about plant stimulants, basic characteristics of secondary metabolism and secondary metabolites, including their occurrence in different plants. Next, the thesis discusses selected representatives, together with their biologically active substances, which provide stimulatory effects on the human organism. Subsequently, the thesis presents the issue of possible dependencies on plant stimulants, which are almost unknown in terms of information. This theoretical part was of a research character. The last part of the thesis is didactic, it deals with the analysis of curriculum documents for four-year high schools in terms of the amount of information about plant stimulants. The didactic part includes the design of a worksheet and also laboratory work that could be used in education. Plant stimulants are widespread all over the world, but awareness of them is quite low, so this work can be used in teaching to broaden awareness of the issue.

KEYWORDS

plant stimulants, stimulants, secondary metabolites, drug addiction