

## Abstract

This bachelor thesis deals with the occurrence of natural toxic substances in food and describes their effect on human health. It focuses on toxic substances that are a natural part of plants, animals, and also on natural contaminants. This work is divided into theoretical and practical part. The aim of this work is to provide information and raise awareness about these substances, because they are an integral part of most foods. The purpose of the practical part is find out the level of public awareness of toxins in food and discover the frequency of mycotoxins appearances in food from the Rapid Alert System for Food and Feed (RASFF), which operates within the European Union. Mold toxins are a major worldwide problem, both in terms of public health and global economic. The research part of the work was carried out using a questionnaire survey through social networks. The general public seems to have a basic awareness of food safety and toxins substances in food.

The bachelor thesis can serve as an informative and educational material for the public.

## Key words

natural toxins – toxic substances – mycotoxins – alkaloids – poison