

Abstract in English

This thesis is a review of substances contained in medicinal plants, the side effects and complications that they provoke. The adverse drug reactions are directly related to the constituents contained in each plant. Information for this work was taken from sources published from 1965 until 2013, especially from *The Essential Guide To Herbal Safety* and from the databases *webmd.com* and *ncbi.nlm.nih.gov*. It is discussed how the use of natural medicinal drugs affect vital organs in the human organism and in which cases their consumption is contraindicated. Central nervous, cardiovascular, urinary, gastrointestinal, endocrine, haemopoietic, respiratory, urinary systems are affected and allergic reactions are possible to occur as complications. *Hypericum perforatum* is typical for causing gastrointestinal irritations and *Chamaemelum nobile* and *Achillea millefolium* are found to cause dermatic complications. Finally, *Piper methysticum* may induce extreme sedation, since it has anxiolytic and antiepileptic properties.

Keywords: side effects, contraindications, medicinal plants, uses, constituents.