

STUDY OF PERSPECTIVE DRUG VEGETABLE RAW MATERIALS

MEDICAGO SATIVA

Loshchanina M.

Scientific supervisor: prof. Khvorost O. P.

National University of Pharmacy, Kharkiv, Ukraine

mloschanina@gmail.com

Introduction. An important feature of medicinal plants is that they are faster and more actively involved in the biochemical processes of the human body than chemical agents that are foreign to the body. The advantage on the side of medicinal plants is also because they, unlike synthetic drugs, rarely cause complications, especially allergic reactions. Medicinal plants, normalizing the functions of individual organs and systems, positively affect the metabolism in the body. That's why they can be used for long-term treatment.

Therefore, it is considered important to study the different medicinal plants of their composition, properties and effects on the human body. *Medicago sativa* is very well known as fodder grass, but few people now know that our ancestors used the widely enough healing properties of Alfalfa. *Medicago sativa* operates in different directions and can be used to treat a large number of diseases. *Medicago sativa* - "Queen of Herbs" - alfalfa is one of the richest in mineral substances products. Mineral substances in *Medicago sativa* are in the most balanced state, which facilitates their assimilation.

Aim. To study the chemical composition of the herb of Lucerne blue *Medicago sativa*.

Materials and methods. The object of our research is the grass of Lucerne blue *Medicago sativa*, harvested in 3 regions of Ukraine.

Results and discussion. We extracted the extracts with the help of extractants of different polarity, then with the help of qualitative reactions, qualitative chromatography in a thin layer of sorbent, in a number of solvent systems, in the development of specific reagents it was shown that the grass of alfalfa blue can be a source of chlorophyll and carotenoids, protein and flavonoids.

Conclusions. The data obtained by us on studying the chemical composition of the herb of alfalfa blue, taking into account the wide prevalence of this plant and the aspects of its use in folk medicine, confirm the prospects for further study of the medicinal plant material as an actual activity direction.