

Conclusions: Our results suggest that the chamomile extract rich in polyphenols, especially apigenin-7-glucoside ameliorates scopolamine-induced anxiety and depression in laboratory rats. Thus, the results of the present study indicate that a standardized chamomile medicinal product may have clinical applications in the management of anxiety, depression and memory impairment related to dementia.

Key words: neurologic disorders, chamomile, standardized extract, antioxidant

356. STUDY OF SPECTRAL AND CHROMATOGRAPHIC METHODS ISOFLAVONOIDS.

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Introduction: Isoflavones are a subclass of plant phenolic compounds belonging to the major classes of flavonoids with the chemical structure of which is based on a skeleton composed of 15 carbon atoms. Such studies have indicated that there is a lower incidence of breast and other cancers common in menopause effect, antioxidant activity and other benefits. We aimed to analyze the spectral and chromatographic methods buds extracts obtained from: soybean (*Glycine max*), dill (*Anethum graveolens*) and anise (*Pimpinella anisum*) to demonstrate the presence of pure isoflavones and obtaining the product mix, with another methods we try demonstrated antioxidants effect.

Materials and methods: Using various methods of analysis, chromatographic methods, spectrophotometric, we analyzed the antioxidant compounds such as isoflavones polyhydroxylic class and class oxidase antioxidant enzymes (peroxidase, catalase and polifenoloxidaza) extracts obtained from the plants mentioned above.

We also analyzed the antioxidant activity by determining the inhibition of DPPH radical and we evaluate the total polyphenol content (TPC) of extracts obtained.

Discussion results: The results of chromatographic spectra UV / Vis obtained demonstrate isoflavonoids in all analyzed extracts. Also, all analyzed extracts contain significant amounts of antioxidant enzymes.

Results and Conclusions. The presence of these compounds argues parallels. The results that came out in the content of polyphenols and antioxidant activity are very good. So, in vitro demonstration plants proprieties analyzed antioxidants are important factors in fighting free radicals.