

PHARMACOGNOSTIC INVESTIGATION OF ERIGERON ANNUUS

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Introduction. The study of medicinal plants nowadays with the aim of creating phytopreparations on their basis is an actual problem for modern domestic pharmacy. When introducing these plants into medical practice, it is necessary to conduct a whole range of studies aimed at identifying the relationship between biologically active substances in the plant and their possible pharmacological activity. There is an increasing trend of finding new fully rich in biologically active substances of herbs in modern science and medicine. *Erigeron annuus* is a native pioneer species that often colonizes disturbed areas such as pastures, abandoned fields, vacant lots, roadsides, railways, and waste areas. In these habitats it competes, often successfully, with introduced invasive weeds. Sufficiently limited use of the investigated species of *Erigeron annuus* in a folk medicine and their lack of application in the official medicine testifies to a small phytochemical study of the plants under consideration.

Aim. The research of new sources of herbal raw materials in experimental determination of biologically active compounds in previously unexplored by anyone at sufficient level such a weed as *Erigeron annuus*.

Materials and methods. The object of pharmacognostic research will be the grass of *Erigeron annuus*, which is related to the family of Asteraceae. There will be also methods, which include such as like phytochemical study with morphological and anatomical analysis, excretion of biologically active compounds and determination of their chemical structure, development of technology for extracting dry extract from the grass, standardization and study of its pharmacological activity.

Results and discussion. Thanks to the researched sources of the literature with insufficient information about the grass of *Erigeron annuus*, there is much work to study and explore.

Conclusions. Significantly new and previously unknown plants, actually even weeds, which can include all necessary biologically active compounds can be a great opening in pharmacy. So they could be used in medicine at all. That is why, of course, *Erigeron annuus* must be fully considered and experimentally investigated at a sufficient level.