

Content analysis, development and standardisation of choleric agents based on medicinal herbal raw materials of *Tanacetum* and *Achillea*

Rapiya Kazakova^{1*}, Zirek Shekerbek kyzy², Aizhanyl Ibragimova³, Alfina Temiralieva⁴

¹*Department of Pharmacy and Biomedical Disciplines, Jalal-Abad State University named after B. Osmonov, Jalal-Abad 715600, Kyrgyz Republic*

²*Department of Organization and Economics of Pharmacy, Osh State University, Osh 723500, Kyrgyz Republic*

³*Faculty of Medicine, Jalal-Abad State University named after B. Osmonov, Jalal-Abad 715600, Kyrgyz Republic*

⁴*Abad-Pharm LLC, Jalal-Abad 720905, Kyrgyz Republic*

***Email:** *rapiyakazakova@gmail.com*

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ABSTRACT

*The purpose of the study was to collect data on *Achillea* and *Tanacetum* species common in Kyrgyzstan, their active components, and therapeutic characteristics. A review of scientific papers and other sources of information on the Internet, including databases and national resources, on the subject of pyzhma and yarrow, with an emphasis on their chemical composition, prevalence, biological activity, and traditional use, was conducted. A search was performed for keywords and plant species with data analysis in Microsoft Excel for systematisation and validation. The study covered the distribution, chemical composition and therapeutic properties of pyzhma and yarrow in Kyrgyzstan. The chemical composition of plants contains essential oils, flavonoids, and sesquiterpenes, causing their choleric, antispasmodic and hepatoprotective properties. The content of active ingredients in wild forms of pyzhma is higher, making them more valuable for medical use. The study shows that the Asteraceae family is widespread in Kyrgyzstan and thrives in diverse conditions, with different chemical components having hepatoprotective, choleric, and anti-inflammatory effects, useful in medical practice.*

Keywords: *Achillea, biological activity, chemical composition, choleric property, plant extracts, Tanacetum.*