

Brief information about the project

Name of the project	AP19676281 «Chemical Profile and Biological Activities of Kazakhstani <i>Artemisia</i> species»
Relevance	The <i>Artemisia</i> L. species are potential sources of unique and new natural products, new chemical structures and displaying diverse bioactivities, leading to development of safe and effective phytomedicines against prevailing diseases in Kazakhstan and Central Asia region.
Purpose	Present project will focus on phytochemical and pharmacological studies on Kazakhstani <i>Artemisia</i> species. Carry out collection, and identification of selected plants, followed by isolation, structure elucidation, as well as evaluation bioactivities as antibacterial, antidiabetic, antioxidant properties to develop new natural leads to create safe botanical preparation to defense against humans' diseases.
Objectives	Literary search, plant collection, preparatory work, obtaining bioactive extracts, isolation of bioactive compounds, research of the biological activity of compounds and extracts.
Expected and achieved results	Literature review will be conducted; research objects will be collected in the required quantity; medicinal plant materials will be prepared for scientific research. Quantitative and qualitative analysis of selected plant objects will be carried out. Plants will be extracted. The total extracts will be separated using solvents of different polarity.
Research team members with their identifiers (Scopus Author ID, Researcher ID, ORCID, if available) and links to relevant profiles	<ol style="list-style-type: none"> 1. Janar Jenis – PhD, Professor, Chief Researcher, project leader Scopus Author ID: 54897942000 https://www.scopus.com/authid/detail.uri?authorId=54897942000 Researcher ID: B-1322-2015 ORCID: https://orcid.org/0000-0002-7148-7253 2. Nurlybekova Aliya – PhD doctoral student, Senior Researcher Scopus ID: 57204532098 Researcher ID: ACB-2803-2022 https://www.scopus.com/authid/detail.uri?authorId=57204532098 ORCID ID: https://orcid.org/0000-0001-9797-284X 3. Ulpan Amzeyeva – PhD doctoral student, Senior Researcher Scopus Author ID: 57219202554 https://www.scopus.com/authid/detail.uri?authorId=57219202554 ORCID: https://orcid.org/0000-0003-3962-0701 4. Sabambayeva Gaukhar – master, laboratory assistant 5. Minkayeva Ayaulym – master student, junior researcher https://orcid.org/0000-0002-6236-5393 6. Ulfanova Yasmina – Trainee researcher 7. Kuspanova Dilyara – Trainee researcher
List of publications with links to them	-
Patents	-