

## Brief information about the project

Name of the project	AP14869303 “Ethnozoarchaeology study of the role of wolf and dog in ancient and modern cultures of Kazakhstan”
Relevance	<p>Ethnozoarchaeology is an interdisciplinary scientific field that integrates ethnological, archaeological, and zoological studies. In Kazakhstan fundamental scientific research, this the first project applied in this direction.</p> <p>The present project intends to research how human-canine relationships can help interpret archaeological evidence in Kazakhstan. Here, the first traces of domestication are dated by 8 thousand years ago BC, but more recent information are expected from analyses of dog bones and burials, rock-art images, ethnographic accounts, and genetic studies.</p> <p>Among the Kazakh and Turkic peoples, the genealogical prominence and worship of Kok-Bori (ancestral wolf) emphasizes the need for paleoethnographic studies based on new knowledge.</p>
Purpose	Primary goal of the project is the study of relationships between humans and canines in the Holocene and traditional cultures of Kazakhstan, through examination of ethnographic accounts, archaeologically retrieved canine bones remains and burials, portable-art, and rock-art images, and zooarchaeological investigations supported by 14C, osteological and genetic analyses.
Objectives	<ul style="list-style-type: none"><li>- Database inventory of archaeological and ethnographical data concerning wolves, dogs, and human tribes. It will consist of 4 databases: a - buried canine bones (in campsites, domestic pits, ordinary graves, elite dog burials, human associations, etc.); b - artistic representations on portable objects (stone, wood, metal, bone, clay, textile material); c - rock-art images from the repertory of petroglyph sites of Kazakhstan; d - historical and ethnographic records (accounts, statistics).</li><li>- Elaboration of thematic quantitative-comparative analyses of these established databases: geographic location; chronology; species variety and environment; utilitarian and ritualistic dog functions; cultural-anthropological specificities associated with wolves and dogs: ancient artifacts, sacred cult and belief systems, ethnolinguistic, traditional methods of wolf hunting and wolf skin processing, training greyhounds <i>tazy</i> and <i>tobet</i> for hunt and shepherding, ethnomedicine, etc.; migratory routes of ancient human cultures according to published human DNA and ancient-DNA (a-DNA) data;</li><li>- Fieldwork research for upgrading information in selected regions. Archaeological investigations will concern Syr-Darya delta for its highest concentration of dog-burials, and Chu-Ili and Tarbagatai mountains for their rich petroglyph archives exposed to different southern and northern climatic and cultural influences. Ethnographic and zoological investigations will concern two regions where national breeds are better preserved: Syr Darya delta and Altai mountains, with additional surveys in some areas of NW Kazakhstan for studying wolf hunting.</li><li>- Zooarchaeological studies concerning a - publications about canine burials and DNA analyses; b- osteological-genetic analyses of modern canines in Kazakhstan, including subspecies of</li></ul>

	<p>grey wolf (Eurasian, Caspian) and dogs; c - osteological and a-DNA analyses of canine bones from selected archaeological sites.</p> <p>- Interpretation and reconstruction of Holocene evolution and domestication of canine species, reconstruction of forgotten traditional methods of wolf hunting, ancient symbols and systems of attributes associated with canines.</p>
Expected and achieved results	<p><i>Research results</i> will be published in scientific national and international peer-reviewed journals; a collective illustrated scientific book «Ancient and modern canines of Kazakhstan and central Eurasia» will be published in English.</p>
Research team members with their identifiers (Scopus Author ID, Researcher ID, ORCID, if available) and links to relevant profiles	<p>1. Kartaeva Tattigul Ersaynovna, candidate of historical sciences, professor, ethnographer - h-index – 2, ResearcherID – 012312014, <a href="https://orcid.org/0000-0001-6180-4107">https://orcid.org/0000-0001-6180-4107</a>, Scopus Author ID - 56509526900.</p> <p>2. Alimbay Nursan, candidate of historical sciences, professor, ethnographer – h-index -2, <a href="https://orcid.org/0000-0002-9670-5974">https://orcid.org/0000-0002-9670-5974</a>, Scopus Author ID – 55860087100. h-index - 6; <a href="https://orcid.org/0000-0003-0845-3672">https://orcid.org/0000-0003-0845-3672</a>, Scopus Author ID – 8834511400.</p> <p>5. Deom Jean-Marc, archaeologist – h-index – 6, <a href="https://orcid.org/0000-0002-9670-5974">https://orcid.org/0000-0002-9670-5974</a>, Scopus Author ID – 567128419500.</p> <p>6. Plakhov Konstantin Nikolaevich, dog handler, zoologist - h-index – 1. <a href="https://orcid.org/0000-0001-8627-2311">https://orcid.org/0000-0001-8627-2311</a>; Scopus Author ID – 56728663500.</p> <p>7. Hermes Taylor, bioarchaeologist, archaeogeneticist – h-index – 7, <a href="https://orcid.org/0000-0002-8377-468X">https://orcid.org/0000-0002-8377-468X</a>, Scopus Author ID – 57203940917.</p> <p>8. Beysegulova Ainur Kadyrgalikyzy, PhD, ethnographer - h-index – 2, <a href="https://orcid.org/0000-0002-1470-1751">https://orcid.org/0000-0002-1470-1751</a>, Scopus Author ID – 57200214543.</p>
List of publications with links to them	<p>Tattigül Kartaeva. «Kazakistan'ın Eski ve Modern Kültüründe Kurt ve Köpeğin Rolünün Etnozooarkeolojik Araştırması» adlı temel araştırma projesi [Scientific project under the name: «Ethnozoarchaeology study of the role of wolf and dog in ancient and modern cultures of Kazakhstan»]. In Turkish. Akademik Tarih ve Düşünce Dergisi . <u>Yıl 2023</u>, Mart, Cilt: 10 Sayı: 1, 82 – 86. <a href="https://dergipark.org.tr/tr/pub/atdd/issue/76358/1272039">https://dergipark.org.tr/tr/pub/atdd/issue/76358/1272039</a></p> <p>Beysegulova A., Terekbayeva Zh. The image of a dog in traditional culture and mythology of the kazakh people. <u>Journal of history</u>, Al-Farabi National university. Vol. 110 No. 3 (2023): 227-237. <a href="https://bulletin-history.kaznu.kz/index.php/1-history/article/view/1751">https://bulletin-history.kaznu.kz/index.php/1-history/article/view/1751</a> DOI: <a href="https://doi.org/10.26577/JH.2023.v110.i3.020">https://doi.org/10.26577/JH.2023.v110.i3.020</a></p> <p>Kartaeva T. Field research is a school for training ethnologists. Newspaper “Kazakh Literature”, No. 21, 2023. – P. 22-23. In Kazakh.</p>
Patents	-