



№ 590
Алматы қаласы

№ _____
город Алматы

Ethical approval

1.	Full name of PhD student	Yespolayeva Aikerim Ryskulovna
2.	Specialty of PhD Program	6D060800 Ecology
3.	Time period of study at PhD Program	2013-2016
4.	Theme of the thesis, date of approval	Assessment of the contribution of oil and gas production complex to the formation of the ecological state of Mangystau region, 31.10.2023
5.	Information about scientific supervisor (-s) (Name, title, degree, work position and citizenship)	Local scientific adviser: Pavlichenko L.M., Doctor of Geographical Sciences, Professor, Faculty of Geography and Environmental Management, Al-Farabi Kazakh National University (KazNU) Foreign scientific adviser: Huw Jones, PhD, Associate Professor of Environmental Chemistry Middlesex University, London.
6.	Objects of study	Field research was carried out to assess the current ecological state of the Mangystau region. Additionally, interviews with local residents, government officials, and environmental experts were conducted to identify the key factors affecting the region's environment.
7.	Planning, sampling and conducting of study	Violations are not revealed
8.	Dissemination of results or practical implementation	Violations are not revealed
9.	Protection of rights, safety and welfare of research objects	According to bioethical principles
10.	Code of approval	IRB- A1663
11.	Date of study approval	29.05.2025

Chair of LEC



G. Ussatayeva

Secretary of LEC

M. Shaukharova