

«ӘЛ-ФАРАБИ АТЫНДАҒЫ  
ҚАЗАҚ ҰЛТТЫҚ УНИВЕРСИТЕТІ»  
КОММЕРЦИЯЛЫҚ ЕМЕС АКЦИОНЕРЛІК ҚОҒАМЫ

ҒЫЛЫМ ЖӘНЕ ИННОВАЦИЯЛЫҚ  
ҚЫЗМЕТ ЖӨНІНДЕГІ ДЕПАРТАМЕНТІ  
ЖЕРГІЛІКТІ ЭТИКАЛЫҚ КОМИТЕТ



НЕКОММЕРЧЕСКОЕ АКЦИОНЕРНОЕ ОБЩЕСТВО  
«КАЗАХСКИЙ НАЦИОНАЛЬНЫЙ  
УНИВЕРСИТЕТ ИМЕНИ АЛЬ-ФАРАБИ»

ДЕПАРТАМЕНТ ПО НАУКЕ  
И ИННОВАЦИОННОЙ ДЕЯТЕЛЬНОСТИ  
ЛОКАЛЬНЫЙ ЭТИЧЕСКИЙ КОМИТЕТ

От \_\_\_\_\_ № 330

На № \_\_\_\_\_ от \_\_\_\_\_

### Ethical approval

1.	Full name of PhD student	Kanzhigitova Dana
2.	Specialty of PhD Program	8D05301-Chemistry
3.	Time period of study at PhD Program	2020-2023
4.	Theme of the thesis, date of approval	“Development of novel functional hybrid materials based on conducting polymers”, 06.03.2024
5.	Information about scientific supervisor (-s) (Name, title, degree, work position and citizenship)	<b>Domestic scientific consultant:</b> Rakhmetullayeva R.K c.e.sc., assistant professor of the Department of Chemistry and Technology of Organic Substances, Natural Compounds and Polymers of the Faculty of Chemistry and Chemical Technology at al-Farabi Kazakh National University, Almaty. Citizenship: Kazakh <b>Second domestic scientific consultant:</b> Nurxat Nuraje. Assistant Professor, Head of RE Lab, National Laboratory Astana (NLA), Director of PhD Program in Chemical Engineering, Department of Chemical and Materials Engineering, School of Engineering & Digital Science, Nazarbayev University, Astana. Citizenship: U.S. <b>Foreign scientific consultant:</b> Mathias Ulbricht, Professor, Technical Chemistry, University of Duisburg-Essen, Germany. Citizenship: German
6.	Objects of study	Hybrid composite materials based on conducting polymers and V <sub>2</sub> O <sub>5</sub> templates, monomers of conducting polymers and modified functional monomers and their polymers
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 the principles of bioethics
10.	Code of approval	IRB- A769
11.	Date of study approval	26.03.2024

Chair of LEC \_\_\_\_\_

G. Ussatayeva

Secretary of LEC \_\_\_\_\_

M. Shaukharova

