Reference
of the applicant for the academic title of associate professor in the scientific direction (specialty)
21200 – «Other technical sciences»

1	Last name, first name, patronymic (if available)	Zhanar Omirbekova
2	Academic degree (Candidate of Sciences, Doctor of Sciences, Doctor of Philosophy (Ph.D.) Doctor of Science degree) or academic degree of Doctor of Philosophy (Ph.D.), Doctor of Science degree or Doctor of Philosophy degree (Ph.D.), date of award	By authority of the Control Committee in Education and Science under the Ministry of Education and Science of the Republic of Kazakhstan. The Degree of DOCTOR (PhD) is conferred on Zhanar Omirbekova April 15, 2015. (№ 494)
3	Academic title, date of award	No
4	Honorary title, date of award	No
5	Position (date and number of the appointment order)	According to Order No. 2079 dated August 31, 2022, she was transferred to the position of Associate Professor. She has been working at Satbayev University
6	Experience of scientific and pedagogical activity	Total work experience — 9 years, including more than 2 years in the Associate Professor position.
7	The number of scientific articles after defending the thesis / obtaining the academic title of associate professor (associate professor)	The total number of published articles after the dissertation defense is more than 16, including: - in international peer-reviewed journals included in the Scopus, Web of Science databases – 5, including - 3 articles in journals with a percentile of more than 35; - in publications recommended by the Committee for Quality Assurance in Science and Higher Education of the Ministry of Science and Higher Education of the Republic of Kazakhstan – 8; • – creative works-3.
8	The number of monographs, textbooks, and single-handedly written teaching aids published in the last 5 years	**Co-author of the monograph:** "Intelligent Decision Support System for the Aerospace Sector" / G.M. Mutanov, A.A. Kazkenov, Zh. Zh. Omirbekova, V.I. Karyukin – Almaty 2023 – 198 pages.
9	Persons who defended their dissertation under his supervision and have an academic degree (Candidate of Sciences, Doctor of Sciences, Doctor of Philosophy (Ph.D.) doctors by profession) or academic degree of Doctor of Philosophy (Ph.D.). doctors by profession or degree of Doctor of Philosophy (Ph.D.)	-

10	Laureates, prize-winners of national, international, and foreign competitions, exhibitions, festivals, awards, and Olympiads prepared under his leadership	**Under the supervision of Zh. Zh. Omirbekova,** students of the "Automation and Robotics" program — Riza Tolebi Galimzhanuly and Mukazhan Miras Amangeldyuly — became **II-degree prize-winners** of the second stage of the Republican Scientific Research Competition among universities of the Republic of Kazakhstan in 2025.
11	Champions or prizewinners of the World University Games, Asian Championships and Asian Games prepared under his leadership. champion or prize-winner of Europe, World and Olympic Games	No
12	Additional information	**Zh. Zh. Omirbekova is a co-supervisor of the "Zhas Galym" project** titled *"Research and Implementation of Machine Learning Methods for Monitoring, Diagnostics, and Predictive Analytics of Mechanized Oil Well Systems"* Project ID: AP25794391, duration: 2025–2027. **Participation in scientific projects as a researcher:** - BR21881957-OT-24 — Development of deep-processing technology and equipment for vacuum freeze-drying of mare and camel milk (2023–2025) - AP09258523 — Synthesis and industrial testing of intelligent optimal control algorithms for the purification process of grade A thermal phosphoric acid (2021–2023) - BR11265420-OT-21 — Development of an expert decision support system for the aerospace sector (2021–2023) **Acknowledgment letter** from the Ministry of Digital Development, Innovations and Aerospace Industry of the Republic of Kazakhstan (MDDIAI RK) — 2024.

Acting director of the Institute of Automation and Information Technology KazNRTU named after K.I. Satbayev   _____   **Y. Chinibayev**