

Reference
of the applicant for the academic title of associate professor in the scientific direction (specialty)
20500 – «Materials Engineering»

1	Last name, first name, patronymic (if available)	Mustafa Laura Moldakerimovna
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	Doctor of Philosophy (PhD) in the specialty 6D071000 – «Materials Science and Technology of New Materials», awarded by the Decision of the Dissertation Council of Satbayev University (KazNTU) №10 dated December 27, 2021, and on the basis of Order №2016-d dated December 30, 2021.
3	Academic title, date of award	No
4	Honorary title, date of award	No
5	Position (date and number of the appointment order)	– June 18, 2018 – January 31, 2022 – Senior Researcher at the Laboratory of Space Materials Science, Department of Space Materials Science and Instrumentation, JSC «National Center for Space Research and Technology» (Order №149 ж/к dated June 18, 2018); – February 1, 2022 – September 30, 2022 – Leading Researcher at the Laboratory of Space Materials Science, Department of Space Materials Science and Instrumentation, JSC «National Center for Space Research and Technology» (Order № 16/3 ж/к dated February 1, 2022); – 01.10.2022 – 07.11.2024 – Head of the Laboratory of Space Materials Science, Department of Jet Propulsion and Materials Science, JSC «National Center for Space Research and Technology» (Order № 160 ж/к dated 04.10.2022); – 08.11.2024 – present – Head of the Laboratory of Aerospace Materials, Department of Materials Science, JSC «National Center for Space Research and Technology» (Order № 246/1 ж/к dated 08.11.2024).
6	Experience of scientific and pedagogical activity	A total of 19 years, including over 8 years in positions not lower than Senior Researcher.
7	The number of scientific articles after defending the thesis / obtaining the academic title of associate professor (associate professor)	Total number of publications after the defense of the dissertation – 14, including: - In international peer-reviewed journals indexed in Scopus and Web of Science – 7 articles in journals with a percentile of at least 55. - In publications recommended by the Committee for Quality Assurance in the Field of Science and Higher Education, Ministry of Science and Higher Education of the Republic of Kazakhstan – 6. - In other scientific journals and publications (international conferences, etc.) – 1.

		Hirsch index (h-index): Scopus – 3; Web of Science – 2; Google Scholar – 4.
8	The number of monographs, textbooks, and single-handedly written teaching aids published in the last 5 years	Monograph – 1, totaling 6.21 printed sheets, recommended by the Scientific and Technical Council of JSC «National Center for Space Research and Technology» L.M. Mustafa. Development of Methods to Improve the Strength Properties of Carbon Composites Using Epoxy Resin and Carbon Fibers. Monograph. – Almaty: Darin Publishing, 2025, 108 pages. ISBN 978-601-7698-01-0.
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	-
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	-
12	Additional information	L.M. Mustafa actively participates in grant-funded and program-targeted projects. The list of the most significant grant projects and program-targeted initiatives includes: - Development of technology for high-strength aluminum and magnesium alloys from Kazakh raw materials for space applications (2009–2011); - Study of the structure and properties of high-strength aluminum alloys for use as structural materials in space technology (2012–2014); - Development of a domestic technology for the production of high-strength carbon composites and products with extreme characteristics (2015–2017);

		- Development of a domestic technology for producing high-modulus and high-strength aerospace-grade carbon composite products (2015–2017); - Development of technology for producing impact-resistant carbon composites for defense and aerospace applications (2018–2020); - Development of a domestic technology for obtaining high-strength, radio-transparent composites for the bodies of military unmanned aerial vehicles and aerospace equipment (2021–2023); - Scientific and Technical Program BR109019/0221/PTF with DSP classification (2021–2023). Project Leader L.M. Mustafa: - Is the leader of project AP196116/0222 within the framework of grant funding for the development of technology for producing armor-grade steel alloys for enterprises of the defense-industrial complex of the Republic of Kazakhstan (2023–2025); - Leads a project under the Scientific and Technical Program BR203002/0223 PTF with DSP classification (2023–2025). Honorary Certificate: In 2020, on the occasion of the Independence Day of the Republic of Kazakhstan, L.M. Mustafa was awarded an Honorary Certificate by Minister B. Musin for significant contributions to the development of the aviation and space industry and achievements in professional activity.
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Scientific supervisor JSC «National Center for Space Research and Technology», Doctor of Technical Sciences, Professor

Deputy chairman of the board JSC «National Center for Space Research and Technology», PhD



M. Nurguzhin

G. Partizan