

## Reference

of the applicant for the academic title of associate professor in the specialty 20500 Materials Engineering /20506 Metallurgy (Classifier of scientific directions approved by the Order of the Minister of Education and Science of the Republic of Kazakhstan dated August 5, 2021 No. 386)

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| 1 | First name, surname (if any)   | <b>Gulnara Moldabayeva</b>  |
| 2 | Academic degree (Candidate of Sciences, Doctor of Sciences, Doctor of Philosophy (PhD), Doctor of profile) or academic degree of Doctor of Philosophy (PhD), Doctor of profile or degree of Doctor of Philosophy (PhD), Doctor of profile, date of award | Candidate of Technical Sciences. Decision of the Committee on Supervision and Certification in the field of Education and Science of the Republic of Kazakhstan, April 19, 2005. Protocol № 5, FK № 0000072   |
| 3 | Academic title, date of award  | -   |
| 4 | Honorary title, date of award  | -   |
| 5 | Position (date and number of the appointment order)  | <p>- Associate Professor of the Department «Metallurgy of non-ferrous metals» of Mining and Metallurgical Institute named after O. Baikonurov of Kazakh National Research Technical University named after K. Satbayev (order No.3012-1/s from 14.10.2008 to 31.08.2016) (indicated in the workbook);</p> <p>- Associate Professor of the Department of Metallurgy and Mineral Processing of Mining and Metallurgical Institute named after O. Baikonurov of Kazakh National Research Technical University named after K. Satbayev (order No. 1139 1/s from 31.08.2021 to 31.08.2025) (indicated in the workbook).</p>                                  |
| 6 | Experience of scientific, scientific and pedagogical activity  | Experience of scientific and pedagogical activity after defending a dissertation is 18 years, including 8 years as an associate professor (from 14.10.2008 to 31.08.2016, as an associate professor – 2.5 years from 01.09.2021 - to the present)   |
| 7 | Number of scientific articles after defending a dissertation /obtaining the academic title of associate professor (associate professor)  | <p>The total number of published works after the defense of the dissertation is 44.</p> <p>Including:</p> <ul style="list-style-type: none"> <li>- in international peer-reviewed journals included in the Scopus, Web of Science databases - <b>5</b>, including - <b>2</b> publications have a percentile higher <b>35</b>;</li> <li>- in publications recommended by the Committee for Quality Assurance in the Field of Science and Higher Education of the Ministry of Science and Higher Education of the Republic of Kazakhstan – 9;</li> <li>- in other scientific journals and publications (international conferences, etc.) – 26;</li> </ul> |

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|    |   | <p>- 4 innovative patents of the Republic of Kazakhstan.</p> <p>The H-index: Scopus – 4; Web of Science – 1, Google scholar – 4.</p>   |
| 8  | The number of monographs, textbooks, single-handedly written educational (teaching and methodological) manuals published over the past 5 years  | Monograph «Technologies of complex processing of lead-containing waste of non-ferrous metallurgy» - 1 (individually) with a volume of 8.3 printed sheets, recommended by the Scientific Council of KazNRTU named after K.I. Satpayev, Protocol No.16 dated 01.06.2023.   |
| 9  | Persons who have defended their dissertation under his supervision and have an academic degree (Candidate of Sciences, Doctor of Sciences, Doctor of Philosophy (PhD), Doctor of profile) or an academic degree of Doctor of Philosophy (PhD), Doctor of profile or Doctor of Philosophy (PhD), Doctor of profile | -  |
| 10 | Laureates, prize-winners of republican, international, and foreign competitions, exhibitions, festivals, awards, and Olympiads prepared under his leadership  | -  |
| 11 | Additional information  | <p><b>Participation in scientific projects (for the last 5 years):</b></p> <p>- Senior researcher of the project «Development of technology for the preparation and processing of Lisakovsky phosphorous iron ore concentrate», carried out within the framework of STP No. BR05235618, «Modernization of technologies and industries in the mining and mining-processing industries of the Republic of Kazakhstan» (2018-2020);</p> <p>- Senior researcher of the project No. AP05130595-OT-18, carried out within the framework of the grant financing «Development of a new high-tech bubbling technology for direct extraction of lead, copper, zinc and rare earth metals into marketable products from substandard intermediates and recycled materials of lead production» (2018-2020);</p> <p>- Leading researcher of the project No. AP19677216, carried out within the framework of the grant financing « Research and development of technologies, equipment for electro dialysis of solutions of tungstate, sodium sulfate with the regeneration of alkalis, acids» (2023-2025);</p> <p>- responsible executor of project No. BR21881939, carried out within the framework of the program-targeted financing «Development of resource-saving</p> |

energy-generating technologies for the mining and metallurgical complex and the creation of an innovative engineering center» (2023-2025).

Expert of educational programs of higher and postgraduate education of the RSE at the Center for the Bologna Process and Academic Mobility of the Ministry of Education and Science of the Republic of Kazakhstan, 20.05.2021 – present.

Member of the Republican Appeal Commission for the Magistracy of the RSE "National Testing Center" – 2019;

Scientific Secretary of the Dissertation Council on Metallurgy and Materials Science at KazNRTU named after K.I. Satpayev, March 2017 – February 2021.

The developer of the bachelor's degree program in accordance with the Atlas of New Professions 6B07212 «Recycling in metallurgy».

**State awards, incentives, diplomas, etc.:**

- Winner of the state scientific scholarship for talented young scientists in the period from 2003 to 2005; from 2007 to 2009;
- 2016 – certificate of KazNRTU «For many years of fruitful work in training qualified specialists»;
- 2016 – diploma of KazNRTU «For many years of fruitful work in the training of qualified specialists»;
- 2016 – elected a full member – academician of the International Academy of Informatization;
- 2016 – certificate of honor of KazNRTU for many years of work and great contribution in the training of highly qualified specialists and scientific personnel;
- letter of thanks for the assistance provided in organizing the job fair «KazNRTU Graduate – 2017»;
- 2017 - letter of thanks for the great long-term contribution in the training of engineering and scientific and pedagogical personnel;
- 2021 – «Gold Medal of Satbayev University» for contribution to the development of science and education Satbayev University;
- 2022 – Certificate of Honor from the Ministry of Industry and Infrastructure Development for contribution to the prosperity of the country through services in the field of industry and infrastructure development.

**Director of the Mining and Metallurgical Institute named after O.A. Baikonurov, «KazNRTU named after K.I. Satpayev», professor**

**K. Rysbekov**

