

## References

Applicant for the academic title "associate professor"  
in the direction 10400 - "Sciences of the earth and the environment".

1	Surname, name, patronymic (if any)	Abetov Auez
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 doctor of philosophy (PhD), doctor of profile, date of award	Candidate of sciences in geology and mineralogy-22.01.1998
3	Academic title, date of award	No
4	Honorary title, date of award	Corresponding Member of the Academy of Mineral Resources of the Republic of Kazakhstan (№ 2/2016 or 30.03.2016r.). Corresponding Member of the National Academy of Sciences (№ 96 or 26.06.2020).
5	Position (date and number of the appointment order)	Head of Geophysics Department; Associate Professor of the Department of Geophysics Institute of Geology and Oil and Gas Business of the Kazakh National Research Technical University named after K. Satpayev (Orders: No.947 dated 06/24/2016, No.1793 dated 07/25/2022, No.76 dated 01/13/2023). Head of the Department of Geophysics IGNGD KazNITU named after K. Satpaev (Order No. 947 1 / s dated 06/24/2016)
6	Experience of scientific, scientific and pedagogical activity	Total: 35 years of scientific (in research institutes) and scientific and pedagogical (universities) activities.
7	Quantity of scientific articles after defense of a thesis / receiving the academic title of associate professor (reader)	75 articles were published for the period 2015-2022. in domestic and foreign periodicals, in the proceedings of international conferences, including: <ul style="list-style-type: none"> <li>• 7 articles in international peer-reviewed scientific journals included in the Scopus and Web of Science databases (with a percentile over 35%);</li> <li>• 27 articles in domestic and foreign periodicals, including 12 in journals recommended by the Committee for Quality Assurance in Science and Higher Education of the Ministry of Education and Science of the Republic of Kazakhstan;</li> <li>• 41 articles/reports in-print of international conferences.</li> </ul>
8	The number of monographs, textbooks, single-handedly written educational (teaching and methodological) manuals published over the past 5 years	For the period 2017-2022. published (co-authored): <ul style="list-style-type: none"> <li>• English-Russian-Kazakh seismic exploration dictionary (2017, Kokshetau, <b>441c, ISBN 978-601-261-332-2</b>);</li> </ul>

	and methodological) manuals published over the past 5 years	<ul style="list-style-type: none"> <li>English-Russian-Kazakh explanatory dictionary of logging terms (2019, Karaganda, <b>364 c., ISBN 978-601-315-522-7</b>).</li> </ul>
9	Persons who defended a thesis under his supervision and have an academic degree (candidate of science, doctor of science, doctor of philosophy (PhD), doctor of sзкщашды) or academic degree of doctor of philosophy (PhD), doctor of science or doctor of philosophy (PhD), doctor of profile	Under the scientific supervision of Abetov Auez defended: 1. Niyazova Akmaral Temirkhanovna (14.05.2021), 2. Uzbekov Abylai Nursarsenovich (07.07.2022) in the specialty "6D070600 - Geology and exploration of mineral deposits" in the Dissertation Council in Geology and hydrogeology (specialties 6D075500 - "Hydrogeology and engineering geology" and 6D070600 - "Geology and exploration of mineral deposits") with the decision to award the degree of Doctor of Philosophy (PhD).
10	Laureates trained under his leadership, winners of republican, international, foreign competitions, exhibitions, festivals, prizes, olympiads	No
11	Champions or prize-winners of the World Universiades, Asian Championships and Asian Games, champions or prize-winners of Europe, the World and the Olympic Games prepared under his leadership	No
12	Additional information	<ul style="list-style-type: none"> <li>HIRSH index - 2 (Scopus).</li> <li>Scientific Supervisor of the economic contract project: "Reconstruction of drainage channel No. 1 with vertical drainage at the tailing dump of the Tailings Storage Shop of the Balkhash Enrichment Plant (stage I) of the enrichment and production complex" (2018-2019). <ul style="list-style-type: none"> <li>Scientific supervisor of the project: "Scientific and technical support of design work on geological and hydrodynamic modeling, calculation and entering of on the balance sheet of coal methane reserves in underground of each mine in the contract area of JSC ArcelorMittal Temirtau" (2018-2019). <ul style="list-style-type: none"> <li>Member of the dissertation council for the defense of doctoral thesis in the specialty "6D070600 - Geology and exploration of mineral deposits" (2019-2021).</li> </ul> </li> </ul> </li> </ul> <p><u>Report on the thesis, reviews, expert opinions:</u></p> <p>More than 10 reviews were prepared for the period 2018-2022. for abstracts of candidate and doctoral dissertations from the Republic of Kazakhstan and neighboring countries (Russian Federation, Republic of Uzbekistan), 5 expert opinions on exploration methods and deposits of solid minerals, 3 reviews of educational and methodological literature published in the Republic of Kazakhstan.</p>

Drawing up/development of new educational programs, participation in their accreditation:

a) independent educational programs of bachelor's, master's and doctoral studies in the field of education "Oil and gas and ore geophysics" and "Seismology" (Five in total);

b) Proposals on geophysical disciplines for the educational program (minor) of KazNIPImunaigas and KMG Engineering;

c) accredited educational programs of master's and doctoral studies in the field of study "Oil and gas and ore geophysics" (NAAR);

d) participation in the accreditation of the educational program "Oil and gas and ore geophysics" (KazSEE).

Направления инновационной деятельности за последние 5 лет. Продвижение:

в) новых/передовых технологий в геофизике, в том числе успешно апробированного метода вертикальных георадарных зондирований;

Directions of innovative activity for the last 5 years.

Promotion:

a) microseismic sounding method;

b) participation in Al Farabi-Newton competitions (development of silicon detectors together with the Institute of Physics from Liverpool (England) and KazNITU (R&D);

c) new/advanced technologies in geophysics, including the successfully tested method of vertical georadar soundings;

d) innovative technologies for studying coal methane seams: seismic wave and radio wave transillumination; geophysical support of drilling of directional wells with multilateral completion; multi-stage hydraulic fracturing; broadband seismic CDP-3D.

Participation in the organization and holding of scientific and practical conferences:

- 14th EAGE Scientific and Practical Conference and Exhibition "Engineering and Mining Geophysics 2018" (Almaty, April 24-27, 2018), 15th, 16th and 17th EAGE Scientific and Practical Conferences and Exhibitions (2019 2020 and 2021).

- International scientific and practical conferences in Perm (2020 and 2021) at the Russian Federation.

- Annual international scientific and practical conferences "Satpayev Readings" in the section "Oil and gas and ore geophysics".

Certificate of authorship:

- Author's certificate prepared (in co-authorship): "Methodological recommendations for resource

		<p>assessment and calculation of coal-bed methane reserves as an independent mineral” (No. 0928).</p> <p><u>Авторское свидетельство:</u></p> <ul style="list-style-type: none"> <li>• Подготовлено (в соавторстве) авторское свидетельство: «Методические рекомендации по оценке ресурсов и подсчету запасов метана в угольных пластах как самостоятельного полезного ископаемого» (за №0928).</li> </ul> <p><u>Awards and Honorary Diplomas:</u></p> <ul style="list-style-type: none"> <li>• Anniversary medal "120 years since the birth of K.I. Satpayev" - 04/12/2019.</li> <li>• Medal "Miner Glory" III degree - 12/11/2020.</li> <li>• Order named after Akhmet Baitursynov - 2021.</li> <li>• Certificates of honor and gratitude from the Ministry of Education and Science of the Republic of Kazakhstan;</li> <li>• Certificates of honor and gratitude from th Diplomas and thanks to KazNRTU named after K.I.Satpaev for the period 2015-2022.</li> </ul>
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**Satbayev named KazNRTU  
Vice-Rector in Charge of Research  
and International Affairs**



**A.Zh. Shokparov**