

Appendix 21. PERSONNEL DIRECTORY / for master's degree

Full name (in full)	<b>Spanov Meirkhan Zhantaevich</b> E-mail: <a href="mailto:meir_filosof27@mail.ru">meir_filosof27@mail.ru</a> ,		
Position	<i>Associate professor</i> Teaching modules: <b>M 1. History and Philosophy of Science</b>		
Academic career	PhD in Philosophy	M. Kh. Dulati Taraz State University., Taraz.	2003-2020
	Lecturer, Associate Professor, Head of the Philosophy Department Philosophy and Cultural Studies Department "Philosophy"	M. Auezov South Kazakhstan University, Shymkent.	2021-2024
Employment	Lecturer, associate professor, head of the department.	M. Kh. Dulati Taraz State University, Taraz.	2003-2020
	Associate professor, the head of department "Philosophy".	M. Auezov South Kazakhstan University, Shymkent.	2020- to the present day
Research and development projects over the past 5 years	7M02211 "Philosophical study of the Kazakh identity in the poems of Abai". 7M02211 "The paradigm of the traditional ethical system in Kazakh philosophy".		
Industry collaboration over the past five years	The Specifics of Turkic Philosophy in World Philosophy. (Research Internship): 2023 -M. Ulugbek National University of Uzbekistan (Uzbekistan) Historical and Cultural Aspects of Central Asian Countries. Research Internship (Research Internship): 2023 - Navoi Pedagogical Institute (Uzbekistan)		
Patents and Copyright certificates	-		
Key publications over the past five years	1. The cultural phenomenon of hagiographic mythology in the christian tradition. European Journal of Science and Theology, October 2021, Vol.17, No.5, 71-78. 2. Influence of Socio-Organizational and Personal Resources of the Employee on the Positive Perception of Work. Academic Journal of Interdisciplinary Studies. Vol 12 No 4 July 2023. <a href="https://doi.org/10.36941/ajis-2023-0093">https://doi.org/10.36941/ajis-2023-0093</a> 3. The problem of generation and time in philosophy and ordinary consciousness. Philosophy, cultural studies, political science series. No.3. 2022 <a href="https://bulletin-philospolit.kaznu.kz">https://bulletin-philospolit.kaznu.kz</a> . <a href="https://doi.org/10.26577/jpcp.2022.v81.i3.04">https://doi.org/10.26577/jpcp.2022.v81.i3.04</a> 4. Bloom's Taxonomy as a tool for achieving success in teaching philosophy. Bulletin of the Karaganda University. No.4 (112) 2023. -263-273 pp. (HAC). <a href="https://doi.org/10.31489/2023ph4/263-273">https://doi.org/10.31489/2023ph4/263-273</a> 5. Information literacy of students in the context of digitization: the use of the case-study method in teaching philosophy. Al-Farabi No. 2 (86) 2024.-164-175pp. <a href="https://doi.org/10.48010/2024.2/1999-5911.14">https://doi.org/10.48010/2024.2/1999-5911.14</a> (HAC). 8. The Ancient and Asian Worlds: A Gender Parallel. Man's world 3 (101) 2024. -14 p. (HAC) <a href="https://doi.org/10.48010/aa.v101i3.515">https://doi.org/10.48010/aa.v101i3.515</a>		
Activities in specialized organizations over the the past five years	Al-Farabi Kazakh National University. A member of the "Philosophy" subsection of the section 022 "Humanities" of the Republican Educational and Methodological Association from 2020 to the present.		

Full name (in full)	<b>Zhorabekova Ainur Nazimbekovna</b> E-mail: <a href="mailto:ainur.zhorabekova@aeuzov.edu.kz">ainur.zhorabekova@aeuzov.edu.kz</a> Scopus Author ID: <a href="https://www.scopus.com/authid/detail.uri?authorId=57218583969">https://www.scopus.com/authid/detail.uri?authorId=57218583969</a> Web of Science Researcher ID: <a href="https://orcid.org/0000-0003-2697-8077">AAX-7110-2021</a> ORCID: <a href="https://orcid.org/0000-0003-2697-8077">https://orcid.org/0000-0003-2697-8077</a>		
Position	<i>Associate professor 13.00.00. Pedagogy</i> Taught modules: M 2. Foreign language (professional)		
Academic career	PhD Pedagogy and psychology	Kh.A. Yasawi International Kazakh-Turkish University, Turkestan city	2012-2015
	Foreign languages: two foreign languages	Shymkent Social and Pedagogical University, Shymkent	2004-2006

Employment	English Language lecturer	<b>Tashkent Institute of Light and Textile Industry</b>	2000-2004
	English Language Lecturer		2004-2005
	English Language Lecturer	<b>Shymkent Social and Pedagogical University (SSPU)</b>	2005-2006
	Lecturer, Senior Lecturer in	<b>Shymkent Branch of Almaty University of Economics — English Language</b>	2006-2011
	English Language, Acting Head of department	<b>Shymkent Social and Pedagogical University</b>	2011-2016
	Acting Associate professor	<b>M. Auezov South Kazakhstan University</b>	2016-2019
	Dean of the Faculty “Pedagogy”	<b>S. Seifullin Kazakh Agrotechnical University</b>	2019-2020
	Associate professor of the department of English Language	<b>SILKWAY International University</b>	2020-2021
	Head of the department “Foreign Language for Technical Specialties”	<b>International University of Tourism and Hospitality</b>	2021-2022
		<b>South Kazakhstan State Pedagogical University</b>	2022- to the present day
		<b>M. Auezov South Kazakhstan University</b>	
Research and development projects over the past 5 years	AP19175630 Development of the system for the formation of metasubject skills of elementary school students in the context of STEM education (under the “Young Scientist” project) ,2022-2024; 2023-2024, AP15473538 Gamification in English lessons in the educational process of primary school: motivation to master a foreign language through digital games (“Zhas galym” project); AP19679648 Organization of volunteer activities to ensure a safe educational environment in the perspective of the healthy lifestyle of the youth of New Kazakhstan (SF MSHE RK) 2023-2025.		
Industry collaboration over the past five years	Internal mobility: O. Zhanibekov South Kazakhstan Pedagogical University (Shymkent) in 2023-2024.		
Patents and Copyright certificates	-		
Key publications over the past five years	Engineering Education: Problems of Modernization in the Context of a Competence Approach. International Journal of Engineering Pedagogy (Germany), 2021, 10(6), pp. 7-20 (Web of Sciences: Q2, Scopus: Education – 81) <a href="https://doi.org/10.3991/IJEP.V10I6.14043">https://doi.org/10.3991/IJEP.V10I6.14043</a> Methodical system for formation of professional competences of a future foreign language teacher in conditions of distance learning. Frontiers in Education (Switzerland), 2023, 8, p. 1186908 (Web of Sciences: Q2, Scopus: Education – 62 <a href="https://doi.org/10.3389/educ.2023.1186908">https://doi.org/10.3389/educ.2023.1186908</a> )		
Activities in specialized organizations over the the past five years	2018-2021, Expert at RNE “Republican Scientific and Practical Center “Textbook” MES RK 2021-2025, Temporary member of dissertation councils Abay KazNPU, KazUIRaWL 2023-2024, Member of the NSC “Research in the field of education and science” From 2024 to the present day, Member of the Educational and Methodical Department of the Republican Educational and Methodical Council at the Abylai Khan Kazakh University of International Relations and World Languages.		

Full name (in full)	<b>Suleymenova Aliya Anuarbekovna</b> E-mail: <a href="mailto:gulbaur@mail.ru">gulbaur@mail.ru</a>		
Position	<i>PhD in Pedagogy</i> Taught modules: <b>M 4. Pedagogy and psychology of higher education</b>		
Academic career	<i>PhD in Pedagogy</i> <i>“Pedagogy and methods of primary education”.</i>	Shymkent Pedagogical Institute	1986 1990
Employment	Lecturer	Shymkent Pedagogical Institute of Culture, Shymkent	1992-1995
	Senior lecturer, PhD of the department “General pedagogy and psychology”	M. Auezov South Kazakhstan University	1995-to the present day

Research and development projects over the past 5 years	-						
Industry collaboration over the past five years	“The improvement ways of the professional training of practical psychologists and pedagogues-psychologists in an innovative educational environment” M. Auezov SKU, Shymkent, 20.01.-30.01.2024, 90 hours Certificate no number.						
Patents and Copyright certificates	-						
Key publications over the past five years	<ol style="list-style-type: none"> <li>1. Spiritual development as a factor of professional and personal qualities of modern students. Journal of intellectual disability - Diagnosis and Treatment, 2021, 9, 90-96.</li> <li>2. Formation of political culture of youth: value orientations and innovative approaches. Bulletin of Karaganda University, Pedagogy series. No.1(81)/, pp.70-76.</li> <li>3. Socio-psychological and educational mechanisms of strengthening interethnic relations in modern society. Bulletin of Karaganda University, Pedagogy series. No.2(82)/ P.54-60.</li> <li>4. Formation of future teachers' readiness to educate schoolchildren in a healthy way of life. International popular scientific journal “Science and Life of Kazakhstan”, No. 6 (42), P. 28-31.</li> <li>5. Education of Kazakh patriotism on ideas of national pedagogy. Bulletin of Abay KazNPU, journal “Pedagogical Sciences”, No. 3 (51), P. 137-141</li> <li>6. The problem of formation of psychological health in the system of general education. Bulletin of Karaganda University, Pedagogy series. No. 1(81)/ P. 70-76.</li> </ol>						
Activities in specialized organizations over the past five years	<table border="1"> <thead> <tr> <th><i>Organization</i></th> <th><i>Role</i></th> <th><i>Period</i></th> </tr> </thead> <tbody> <tr> <td>-</td> <td></td> <td></td> </tr> </tbody> </table>	<i>Organization</i>	<i>Role</i>	<i>Period</i>	-		
<i>Organization</i>	<i>Role</i>	<i>Period</i>					
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Full name (in full)	<b>Sakhiyeva Farida Abubakirovna</b> E-mail: farida777-84@mail.ru SCOPUS ID 56610202700, Web of Science Researcher ID FVZ-8946-2022		
Position	<i>Doctor PhD</i> Teaching modules: <b>M 3. Management psychology</b>		
Academic career	Pedagogy and methods of primary education	M.kh. Dulati Taraz State University Master's degree, M. Auezov South Kazakhstan State University	2001-2005 2005-2007
	Pedagogy and psychology		
Employment	Lecturer of the department “Psychology and Pedagogy”	Kazakhstan Engineering and Pedagogical University of Peoples' Friendship	2006-2007
	Associate professor of the department “General Pedagogy and Psychology”	M. Auezov South Kazakhstan University	2007-to the present day
Research and development projects over the past 5 years	DP21682037 “Production of fiberglass products and tanks for installation of private sewage and septic tanks” URN 18574143 “Development and implementation of underground water purification technology and provision of drinking water for the population and agricultural enterprises”.		
Industry collaboration over the past five years	“Optimistisch den Stress meistern“ Almaty, 04-05.11.2023, Al-Farabi Kazakh National University, Certificate w/n, 80 hours		
Patents and Copyright certificates	“Social media as a means of socializing children with autism”. Certificate No. 50867 dated October 29, 2024 on entering information on the author(s) in the State Register of Rights to Copyrighted Works		
Key publications over the past five years	<ol style="list-style-type: none"> <li>1. Modern society and adolescents with deviant behavior. Abai Kazakh National Pedagogical University BULLETIN “Psychology” series, No. 1(62), 2020. P. 96-100 <a href="https://doi.org/10.51889/2020-1.1728-7847.18">https://doi.org/10.51889/2020-1.1728-7847.18</a></li> <li>2. Psychological health and psychosocial development of adolescents. Abai Kazakh National Pedagogical University BULLETIN “Psychology” series, No. 2(63), 2020. pp. 170-174</li> </ol>		

	<p>3.Cognitive style “Rigidity-flexibility of cognitive control” and the level intelligence indicators. BULLETIN OF THE NATIONAL ACADEMY OF SCIENCES OF THE REPUBLIC OF KAZAKHSTAN, No., 2021, pp. 306-316.</p> <p>4.Studying the features of intellectual development of children in modern society. Abay Kazakh National Pedagogical University. BULLETIN “Psychology” Series, No. 1(74), 2023. doi 10.51889/1728-7847.2023.1.74.008 doi 10.51889/1728-7847.2023.1.74.012</p> <p>5. Study of the psychological well-being of students. Abay Kazakh National Pedagogical University BULLETIN “Psychology” series, No. 1(74), 2023.</p> <p>6. The relationship between the psychological well-being of Kazakh students studying in Kazakhstan and Turkey and their sense of harmony and tolerance. // Bulletin of Abay KazNPU, series “Pedagogical Sciences”. – No.2(74), 2022. – P. 154-162. doi 10.51889/1728-7847.2023.1.74.012 10.51889/2959-5967.2024.78.1.015 <a href="https://bulletin-psychology.kaznpu.kz/index.php/ped/article/view/1758/826">https://bulletin-psychology.kaznpu.kz/index.php/ped/article/view/1758/826</a></p> <p>1.Relationships of emotional support and emotional intelligence in alcohol dependent people. Journal of behavioral addictions Volume 12, Page 350-350</p> <p><b>2. <u>Psychological correction of self-attitude of boys and girls with eating disorders.</u></b> <b>Journal of behavioral addictions V. 11 , pp.272-272 Jul 2022</b></p>
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Full name (in full)	<p><i>Alpamysova Gulzhaina Baygonysovna</i>  <a href="mailto:Gulzhaina.Alpamysova@aezov.edu.kz">Gulzhaina.Alpamysova@aezov.edu.kz</a>          SCOPUS ID 57216615904, <a href="https://orcid.org/0000-0002-0181-2348">https://orcid.org/0000-0002-0181-2348</a></p>		
Position	<p><i>PhD in Agricultural Sciences</i>  <i>Taught modules: M.44.1 Molecular Genetic Research Diagnostics, M.44.2 Synthetic Biology</i></p>		
Academic career	<i>Initial academic position</i>	<i>University</i>	<i>Year</i>
	<i>Lecturer of Chemistry and Biology</i>	<i>Kh.A. Yasawi International Kazakh-Turkish University</i>	<i>1994</i>
Labor activity	<i>Lecturer of the department “Pedagogy and Methodology of Primary Education”</i>	<i>Kh.A. Yasawi International Kazakh-Turkish University</i>	<i>1994-1996</i>
	<i>Senior lecturer of the department “Biology”,</i>	<i>Syrdarya University</i>	<i>1996 – 2002</i>
	<i>Deputy dean of the faculty “Sports Biology”</i>	<i>International Humanitarian and Technical University</i>	<i>2002-2011</i>
	<i>Deputy dean, Head of department, Head of the academic department</i>	<i>South Kazakhstan State Pedagogical Institute</i>	<i>2011 – 2016</i>
	<i>Head of the department “Biology”</i>	<i>South Kazakhstan State Pedagogical Institute</i>	<i>2016 -2021</i>
	<i>Dean of the faculty “Natural Sciences”</i>	<i>South Kazakhstan State Pedagogical Institute</i>	<i>In 2021</i>
Research and development projects over the past 5 years	<i>Head of the academic organization centre</i>	<i>Kh.A. Yasawi International Kazakh-Turkish University</i>	<i>From 27.08.2021 to the present day</i>
	<i>Head of the department “Biotechnology”</i>	<i>M. Auezov South Kazakhstan University</i>	
	<p>1. Under the innovative project of the Shymkent Department of Agriculture and Veterinary Services, Order No. 664 dated July 12, 2021, “Implementation and Reproduction of the Design of the Domestic Suspended Two-Row Transplanter Model RPM-2KZ for Planting Vegetable and Garden Crops Seedlings in Soil and Open Ground,” the project’s scientific performer;</p> <p>2. “Science Development,” Program 102 “Grant Financing of Scientific Research,” Priority “Rational Use of Water Resources, Flora and Fauna, and Ecology,” Scientific Project No.</p>		

	AP14872527 “Creation of the Technology for Obtaining Organic Fertilizers Based on Phosphorus-Containing Fertilizers” and the Project performer “Carbon-Containing Waste to Increase Vegetable Crop Yields in the Turkestan Region.”	
Industry collaboration over the past five years	Internship at the Polytechnic University of Valencia (Spain) and Tashkent University of Chemical Technology.	
Patents and Copyright certificates	1. Isolation of DNA for biological materials and determination of its purification, No.49683 5. Method of producing a combined bacterial-humic preparation.	2022 2022
Key publications over the past five years	1. Akmaral, I., Gulzhaina, A., Assel, T., ... Ainagul, A., Zhanbolat, T. Selection of the composition of the fertilizer and optimal factors for the cultivation of green microalgae on phosphorus—Containing waste in the south of Kazakhstan. Journal of Infrastructure, Policy and Development, 2024, 8(8), P. 4817 2. Tleukeyeva, A., Issayeva, A., Ibragimov, T., ... Tlegenova, K., Pankiewicz, R. Study of the Properties of New Strains of Green Microalgae Cultivated on Residual Phosphorus-Containing Waters. Polish Journal of Environmental Studies, 2024, 33(4), P. 3991–3997	
Activities in specialized organizations over the the past five years	Reviewer of K.A. Khalilova's thesis on the theme “Technology of intensive cultivation of Pyracantha seedlings and creation of its plantations.”	

Full name (in full)	Kedelbaev Bakhytzhon Shilmirzaevich E-mail: <a href="mailto:kedelbaev@yandex.ru">kedelbaev@yandex.ru</a> Hirsch Index (Scopus) – 8 Hirsch Index (WoS) – 1 ORCID: 0000-0003-0322-9743 Scopus Author ID: 6507190567 Researcher ID: CXY-9876-2022		
Position	Professor of chemical technology Taught modules: Technology of obtaining and storing products of biotechnological productions, Achievements of genetic engineering in the agro-industrial complex		
Academic career	Doctor of technical sciences	Tashkent Chemical - Technological Institute	2004
	PhD in chemical sciences	Gubkin State Academy of Oil and Gas, Moscow	1991
	Engineer-chemist-technologist Technology of electrochemical production	Kazakh Chemical-Technological Institute	1976
Employment	Engineer Junior researcher Senior researcher Senior lecturer, associate professor, professor, head of the department “Biotechnology”	M. Auezov South Kazakhstan University, Shymkent city.	1978-to the present day
Research and development projects over the past 5 years	AP23490421 “Development of complex processing technologies of spent vanadium-containing catalysts in the sulfuric acid production. Implementation period 2024-2026, amount of financing - 94,500,289 tenge. FZ 2020100739 on the theme “Creation of scientific foundations for the purposeful synthesis of some organic compounds containing O- and N” together with I. Karimov		

	<p>Tashkent State Technical University. The total amount of financing is 120 mln. Tenge. Implementation period 2022-2025.</p> <p>“Development of biotechnological fodder protein from vegetable raw materials” co-supervisor Kedelbaev B.Sh., 15,000,000 tenge, Implementation period 2022-2024. AP14871736 “Development of effective technologies for the rational use of degraded suburban pastures in the desert zone of the Turkestan region”; The amount of financing of Turkestan region is 49,661,262.5 tenge. Implementation period 2022-2024. AP25794667 “Development of technology for the cultivation of fodder and sugar sorghum using biostimulants to increase the productivity and quality of fodder”. co-supervisor Kedelbaev B.Sh, the amount of financing is 29,985,912 tenge. Implementation period 2025-2027.</p>	
Patents and Copyright certificates	<p>- The method of increasing the productivity of degraded arid pastures // Patent on a useful model. Application No. 8856 No. 2023/0949.2</p> <p>- The method of obtaining solution for increasing the productivity of sagebrush-ephemeral pastures // Patent for a useful model. No. 10012 Application number 2023/0943.2</p> <p>-The method of obtaining solution for increasing the productivity of sagebrush-ephemeral pastures // Patent for a useful model. No. 10017 Application number 2024/1285.2</p>	<p>2023</p> <p>2023</p> <p>2024</p>
Key publications over the past five years	<p>1.Effects of Different Biostimulants on Seed Germination of Sorghum Plants. Journal of Ecological Engineering 2023, 24(3), 134–142. <a href="https://doi.org/10.12911/22998993/157568">https://doi.org/10.12911/22998993/157568</a> (по базе Scopus процентиль – 54, по базе WoS – Q2)</p> <p>2.Biostimulator for Arid Pastures in the South of Kazakhstan. Journal of Ecological Engineering 2024, 25(1), 131–145. <a href="https://doi.org/10.12911/22998993/174332">https://doi.org/10.12911/22998993/174332</a> (по базе Scopus процентиль – 54, по базе WoS – Q2)</p> <p>3.Age-dependent depigmentation of black Karakul sheep. International Journal of Veterinary Science 12(3): 360-365. <a href="https://doi.org/10.47278/journal.ijvs/2022.202">https://doi.org/10.47278/journal.ijvs/2022.202</a> (по базе Scopus процентиль – 65, по базе WoS – Q2)</p>	

Full name (in full)	<p>Yesimova Anar Madenovna E-mail: <a href="mailto:anar_esimova@aeuzov.edu.kz">anar_esimova@aeuzov.edu.kz</a> ID: <a href="https://orcid.org/0000-0002-2456-0497">https://orcid.org/0000-0002-2456-0497</a></p>		
Position	<p>Associate professor of the department “Biotechnology”, Taught modules: Biotechnology of production and processing of biomass, Progressive course of genetic engineering</p>		
Academic career	<p><b>Chemical Engineer – technologist</b> <b>PhD in Chemical Science</b> <b>Technology of Inorganic Substances</b></p>	<p>Kazakh Chemical- Technological institute, Shymkent D. V. Sokolsky Institute of Electrochemistry, Almaty</p>	<p>Year 1982 2004</p>
Employment	<p><b>Position:</b> <b>Lecturer, Senior lecturer, Head of department, Associate professor of the department “Biotechnology”</b></p>	<p><b>Employer:</b> <b>Kazakh Chemical- Technological institute, Shymkent M. Auezov South Kazakhstan University</b></p>	<p>Period 1987-2004 2004-2005 2005-to the present day</p>
Industry collaboration over the past five years	<p><b>Scientific internship: The internship, included in TZ-500, took place at the KU LEVEN University (Brussels, Belgium) in accordance with the plan of professional development due to foreign experience. Internship period: June 18 - July 1, 2017.</b></p>		
Patents and Copyright certificates	<p>Name Biological product for plant protection and growth stimulation Patent No. 30990 for invention dated February 19, 2016, Astana</p>		<p>Year 2016</p>

	Composition for adapting biological products Patent No. 30991 for invention dated February 19, 2016, Astana	2016									
Key publications over the past five years	<p><b>1.</b> <i>M. Muratalin, P.F. Luckham, Anar. Esimova, A. Aidarova, B. Zh. Mutaliyeva, G. Madybekova, A. Sharipova, A. Issayeva.</i> Study of N-isopropylacrylamide-based microgel particles as a potential drug delivery agents. <i>Colloids and Surfaces A</i> 532 (2017) 8–17. <a href="http://dx.doi.org/10.1016/j.colsurfa.2017.07.075">http://dx.doi.org/10.1016/j.colsurfa.2017.07.075</a> Cite Score - 4,9 (2017). <i>Surface and Interfaces</i> – 80 (Q1). Percentile 80</p> <p><b>2.</b> Aigerim Yeginbay, Assilbek Burabaev, <i>Anar, Esimova, Roza Mamykova</i>: Altunbek Burabaev. Dana Azhibayeva-Kupenova, Yelemanova Zhanar, Narymbayeva Zaure <i>Ways and solutions to preserve the gene pool of rare and endangered plants.</i> <i>Caspian Journal of Environmental Sciences.</i> Iran. (2022) 1135–1142. <a href="https://doi.org/10.22124/cjes.2022.6094">https://doi.org/10.22124/cjes.2022.6094</a></p> <p><b>3.</b> A. Saparbekova, A. Altekey, G. Seitmagzimova, <i>A. Esimova, D. Kudasova, Zh. Ibraimova.</i> Biotechnological methods in pulp and paper production from an alternative source of raw materials – savior of the ecosystem. <i>Applied Environmental Biotechnology</i>, 8(2): 1-9. (2023) <a href="https://www.scopus.com/">https://www.scopus.com/</a> sourceid/21100901906 <i>Interfaces</i> – 65 (Q3). Percentile 65</p>										
Activities in specialized organizations over the the past five years	<table border="1"> <thead> <tr> <th>Organization</th> <th>Role</th> <th>Period</th> </tr> </thead> <tbody> <tr> <td></td> <td>First place in the university competition, Best Lecturer on the disciplines of 2011.</td> <td></td> </tr> <tr> <td></td> <td>Recipient of the title of “Best Teacher of a Higher Education Institution of 2016”.</td> <td></td> </tr> </tbody> </table>	Organization	Role	Period		First place in the university competition, Best Lecturer on the disciplines of 2011.			Recipient of the title of “Best Teacher of a Higher Education Institution of 2016”.		
Organization	Role	Period									
	First place in the university competition, Best Lecturer on the disciplines of 2011.										
	Recipient of the title of “Best Teacher of a Higher Education Institution of 2016”.										

Full name (in full)	<p><i>Mutaliyeva Botagoz Zhaksylykovna</i> E-mail: <a href="mailto:botagoz.mutaliyeva@aeuzov.edu.kz">botagoz.mutaliyeva@aeuzov.edu.kz</a> <a href="https://orcid.org/0000-0001-5295-4410">https://orcid.org/0000-0001-5295-4410</a> SCOPUS ID <a href="https://www.scopus.com/">Scopus Author ID: 54682115500</a></p>	
Position	Associate Professor of Biology Equipment companies of biotechnological industry, Equipment for the processes	
Academic career	<p><i>Initial academic position</i></p> <p><i>PhD in Chemical Sciences</i> <i>Colloidal and membrane chemistry</i></p> <p><i>Lecturer of chemistry and add. spec. biology</i></p>	<p><i>University</i> <i>University</i></p> <p>Khoja Akhmed Yasawi International Kazakh-Turkish University Khoja Akhmed Yasawi International Kazakh-Turkish University</p>
Employment	<p>Engineer M. Auezov SKU, Research Laboratory “Electrochemical synthesis of organic compounds” Engineer Khan Ave., 5, Shymkent Senior Lab Shym. electrical distribution network, Shymkent. Department “Chemistry”. Assistant, Lecturer Kh. A. Yasawi International Kazakh-Turkish University, Shymkent Postgraduate Kh. A. Yasawi International Kazakh-Turkish University, Shymkent Student Lecturer, Senior M. Auezov SKU . Lecturer, Associate Professor of the department “Biotechnology”</p>	
Research and development projects over the past 5 years	<p><b>2024–2025</b> – <i>International “Bolashak” Scholarship</i> on the research internship program “500 Scientists for the United Kingdom of Great Britain; period: <b>September 23, 2024 – June 29, 2025.</b></p> <p><b>2024–2026</b> – <i>Scientific Supervisor</i> of the project AP23488050 “Development of the technology for creation of a new type based on microencapsulation of compositions of biological agents and micro/macro-nutrients”</p> <p><b>2023 -2025</b> Chief Researcher, Project AP19679879 “Development of Probiotic Microencapsulation of Beverages Based on Dairy Industry Waste.” Ministry of Science and Higher Education of the Republic of Kazakhstan</p> <p>- <b>2022 Project Leader from M. Auezov South Kazakhstan University</b> in collaboration with <b>New South Kazakhstan National University</b>, and <b>M. Utemisov West Kazakhstan University</b>, Kazakhstan, Grant No. 2022. <b>Project title:</b> “Creating a Partnership Program in Green Nanotechnology and Environmental Biotechnology” <b>the U.S. Embassy in Kazakhstan and administered by the American Councils for International Education</b></p> <p>- <b>2021 Leading researcher</b> in the young scientist project: AP09561846-OT-21 “Biochemical characterization and effect of purified L-asparaginase enzyme isolated from novel <i>Myroides gitamensis</i> bacteria for antileishmaniasis treatment”</p>	

	<p>- <b>2017-2021 Country Coordinator representing M.Auezov South Kazakhstan University in a program project: Enhancing Competences of Sustainable Waste Management in Russian and Kazakhstani Universities</b></p> <p><b>2018-2020 Scientific leader</b> of the project AP 05132810 "Scientific and practical bases of the technology of active substances and fundamentally new stimulators of plant development for the purpose of inter-species products".</p> <p><b>2016 International grant under the program Erasmus Mundus Action 2 Silkroute, University of Padua, Agriculture, Food, Nature, Animals and Environment, Padova, Italy (7.06.2016-09.07.2016).</b></p> <p><b>2015 International grant under the German Academic Exchange program DAAD</b> for scientists and Interfaces, from July 1 to September 30, 2015.</p> <p><b>2010-2014 Executive project of international program Tempus</b> joint project: 158918-Tempus-competence and infrastructure for e-learning and retraining" (CANDI), January 2010 - January 2014.</p> <p><b>2005 Grant INTAS</b> for participation in the Summer School of Young Chemists and the 5th Eurochem European Chemists' Conference" in Brno, Czech Republic, financed by the INTAS program.</p>
Industry collaboration over the past five years	Research internship: University of Westminster, London, United Kingdom, period 23 September 2024
Patents and Copyright certificates	<p>Name</p> <p>"Method of obtaining probiotic microorganism microcapsules." Utility Model Patent No. 9494 dated August 23, 2024, based on application No. 2023/1220.2 dated December 14, 2023. Madybekova G.M., Mutaliyeva B.Zh., Turkeeva E.M.</p> <p>Method of obtaining lipase microcapsules. No. 2018/0861.2 dated November 30, 2018. Decision to grant Utility Model Patent No. 36601 dated September 9, 2019. Mutaliev B.Zh., Tleuova A.B., Madybekova G.M., Saparbekova A.A., Kudasova D.E., Aidarova S.B., Sharipova A.A.</p> <p>Composition for adaptation of biological preparations. A.S. Utility model No. 104463. (11) 3153. (54). Mutaliev B.Zh. etc.</p> <p>Composition for adapting biological products. Utility Model Patent No. 104463. (11) 3153. (54).</p> <p>Застосування 3-аміно-5,5-диметилциклогекс-2-ен-1-ону як засобу для вирощування порослят та відгодівлі свиней. No. 121435 dated 25.05.2020., bul.No.10, based on the application a 2018 08445 dated 3.08.2018. Prosyaniuk A.V., Khokhlova T.V., Mutaliyeva B.Zh., Kudasova D.E. Application of 1-methyl-3-methylaminomaleinimide as a means for stimulating the development of piglets and increasing the productivity of pigs for breeding. Patent of Ukraine No. 122013 dated 25.08.2020, Bull. No. 3 dated 10.02.2020, according to request a 2018 08446 dated 3.08.2018. Prosyaniuk A.V., Khokhlova T.V., Mutaliev B.Zh., Kudasova D.E.</p>
Key publications over the past five years	<p><b>1. Isolation, physico-chemical characterization and biological activity of <math>\alpha</math>-amylase from the culture for using in the enzyme-linked immunosorbent assay</b> <u>M.Z., Kanzhigitova, M. Zh, A.M. Tashmukhamedova, Sh S., M.S., Tashmukhamedov, M. S., B.Z., Mutaliyeva, Botagoz Zhaksylykov</u> <b>Research and Scientific Studies, 8(2) 2025, pages: 2644-2656</b></p> <p><b>2. Design and assessment of microencapsulation systems for biologically active agents in homomeric hydrogels</b> <u>M, Mutaliyeva B, Tleukeyeva A.</u> <b>International Journal of Innovative Research and Scientific Studies</b> DOI: <a href="https://doi.org/10.53894/ijirss.v8i1.4667">10.53894/ijirss.v8i1.4667</a></p> <p>3. A. Study of Probiotic Bacteria Encapsulation for Potential Application in Enrichment of Fermented <i>Colloids Interfaces</i> <b>2024</b>, 8, 51. <a href="https://doi.org/10.3390/colloids8050051">https://doi.org/10.3390/colloids8050051</a> Madybekova, G.; Turkeyeva, E.; Mutaliyeva, B.; Osmanova, D.; Aidarova, S.; Miller, R.; Sharipova, A.</p> <p>4. Development of Alginate Composite Microparticles for Encapsulation of Bifidobacterium animalis subsp. lactis. <i>Colloids Interfaces</i> <b>2024</b>, 8, 752; <a href="https://doi.org/10.3390/gels10110752">https://doi.org/10.3390/gels10110752</a>. Marko Vinceković, Lana Živković, Elmira Galiya Madybekova, Suzana Šegota, Nataša Šijaković Vujičić, Anđela Pustak, Tanja Jurkin, Marta Kralj.</p> <p>5. Aidana Begaidarova<sup>1,*</sup>, Saltanat Baikoshkarova<sup>2</sup>, Botagoz Mutaliyeva. Study of the influence of the native ejaculate on the preservation of the male gametes' activity after the application of cryopreservation. <i>Developmental Medicine</i>. DOI: 10.1097/RD9.0000000000000083</p> <p><b>6. L-Asparaginase delivery systems targeted to minimize its side-effects.</b> <u>Talluri, V.P., Mutaliyeva B, Tleuova, A.</u> <b>Advances in Colloid and Interface Science</b>, <b>2023</b>, <b>316</b>, 102915.</p> <p>7. VSSL Prasad Talluri, Botagoz Mutaliyeva, Altynay Sharipova, Vamseekrishna Ulaganathan, Aliya Suigenbayeva, Aiym Tleuova. L-Asparaginase delivery systems targeted to minimize its side-effects. <i>Advances in Colloid and Interface Science</i>. Volume 316, June 2023, 102915. <a href="https://doi.org/10.1016/j.cis.2023.102915">https://doi.org/10.1016/j.cis.2023.102915</a></p>

8. Marko Vinceković, Slaven Jurić, Suzana Šegota, Nataša Šijaković Vujičić, Nikola Španić, Prosyanik & Marijan Marijan. Morphological, rheological and thermal characteristics of biopolymer stimulants. Journal of Polymer Research, volume 29, Article number: 204 (2022). <https://doi.org/10.1002/polb.25404> (2021). Material Science – 63.

9. V.S.S.L. Prasad Talluri, S.S. Lanka, **B.Mutaliyeva**, A. Sharipova, A. Suigenbayeva and A. T. antiproliferative and cytotoxicity effect of purified L-Asparaginase, an anti-leukemia enzyme isolated from Rasayan J. Chem., 15(2), 786-791(2022). <http://dx.doi.org/10.31788/RJC.2022.1526842>. Cite Score - 5.2 and Pharmaceuticals – 52.

10. Vlahoviček-kahlina, K., Jurić, S., Marijan, M., Mutaliyeva B., Prosyanik, A.V., Vinceković, M. encapsulation of novel plant growth regulators (Pgrs) in biopolymer matrices. International Journal of Molecular Biology 1–17, 1847. Q1. <https://doi.org/10.3390/ijms22041847>. (Biochemistry and Molecular Biology)-Q1. Cite Score - 6,9 (2021).

11. Kudasova, D., Mutaliyeva B., Vlahoviček-Kahlina, K., ...Španić, N., Vinceković, M. Encapsulation of plant growth regulators based on copper(II) complex in chitosan/alginate microcapsules. International Journal of Molecular Biology 1–17, 1847. Q1. <https://doi.org/10.3390/ijms22052663>. (Biochemistry and Molecular Biology)-Q1. Cite Score-6,9 (2021).

12. Digital logistics transformation: Implementing the internet of things (IoT). Zaychenko, I., Španić, N., B., Pimenov, N. In book: Schaumburg, H., Korablev, V., Ungvari, L. (eds) Technological Transformation and Management. Lecture Notes in Networks and Systems, 2021.-Vol 157. (pp.189-200). Springer, Cham, 2021. 64430-7\_16.

13. Digital transformation model of the staff selection system. Zaychenko, I., Bagaeva, I., Smirnova, M. Conference Proceeding Series, Digital Transformation on Manufacturing, Infrastructure and Service. MATEC 6 <https://doi.org/10.1145/3446434.3446527>.

14. **Mutaliyeva, B.Z.**, Tleuova, A.B., Madybekova, G.M., Kurmanbayeva, A.S. Study of submicrocapsules of silica dioxide nanoparticles. Scopus: Materials Science and Engineering 826 (2020) 012029 IOP Conference Series: Materials Science and Engineering 826 (2020) 012029. DOI: 10.1088/1757-899X/826/1/012029.

15. A. Tleuova, M. Schenderlein, **B.Mutaliyeva**, S. Aidarova, R. Miller, etc. Selection and study of alkyl silanes for self-lubricating coatings. Colloids and Surfaces A: Physicochemical and Engineering Applications <https://doi.org/10.1016/j.colsurfa.2018.12.018>, Cite Score -5,8 (2019). Surface and Interfaces – 75 (Q1).

16. O.S. Lebed , Yu.A.Chertikhina, **B.Zh. Mutaliyeva**, D.E. Kudasova, A.V.Prosyani. Amidation of diesters: a theoretical consideration. Vestnik KarGU, No.4(96), 2019 г.-C.18-25.

Full name (in full)	<i>Ermekbaeva Akbope Tontaevna</i> <a href="mailto:Akbope.Ermekbaeva@uezov.edu.kz">Akbope.Ermekbaeva@uezov.edu.kz</a> SCOPUS ID 57217928444, <a href="https://orcid.org/0000-0002-4606-2448">https://orcid.org/0000-0002-4606-2448</a>		
Position	<i>PhD doctor</i> Taught modules: Genetic engineering and society, Modern problems of industrial biotechnology, Achievements and prospects of biotechnology		
Academic career	<i>Initial academic position</i>	<i>University</i>	<i>Year</i>
	Habilitation [German postdoctoral qualification] (subject area)	<i>University</i>	<i>Year</i>
	<i>PhD 6D011300-Biology</i>	Abay Kazakh National Pedagogical University	2018
	<i>050607 - Bachelor in Biology</i>	Kh.A. Yasawi International Kazakh-Turkish University	2011
Labor activity	<i>Master- lecturer</i>	South Kazakhstan State Pedagogical Institute	2011-2014
	<i>Doctoral student</i>	Abay Kazakh National Pedagogical University	2014-2017
	<i>Senior lecturer</i>	Y. Altynsarin Arkalyk State Pedagogical Institute	2017-2020
	<i>Acting associate professor,</i>	Taraz Innovative Humanitarian University	2020-2021
	<i>Head of the department "Biology and Agricultural Specialties"</i>	Head of the research institute	2021-2022

	“Silkway” International University Associate professor of the department “Biotechnology”	“Fundamental and Applied Sciences” M. Auezov South Kazakhstan University	From September 2022
Patents and Copyright certificates	1. Biological materials for DNA purification, No. 49682 2. Isolation of DNA for biological materials and determination of its purification, No. 49683		2024 2024
Key publications over the past five years	1. Growing Arum korolkowii Regel in laboratory conditions. Caspian Journal of environmental Sciences, Vol. 22, No 2. –P. 329-337 doi: 10.22124/CJES.2024.7711A Alpamyssova G., Zhapparbergenova E., Anuarova L., Saparbayeva N. et. 3. Principles to integrate local history in the education system. “KIMYO TA’LIMI, FAN VA ISHLAB CHIQRISH INTEGRATSIYALARI” mavzusidagi I-xalqaro ilmiy-amaliy konferensiya materiallar. II-SHO’BATO’PLAMI. - Qo’qon – 2024, - P.204-206. Tansykbay Zh. R.		

Full name (in full)	Akhanov Usen Kudaibergenovich E-mail: akhanov.1966@mail.ru		
Position	Associate professor, PhD in Agricultural Sciences. Taught modules: Ecobiosafety in agro-industrial and industrial zones, Ecological aspects of biotechnological processes		
Academic career	Initial academic position	University	Year
	Habilitation [German postdoctoral qualification] (subject area)	University	Year
	PhD in Agricultural Sciences.	Kazakh Research Institute of Karakul Sheep Breeding	1999
	specialty – Zootechny, qualification – Zooengineer”	Belarusian State Agricultural Academy	1993
Labor activity	Scientific researcher	Kazakh Research Institute of Karakul Sheep Breeding M. Auezov South Kazakhstan University	Period 1993-2000
	Senior lecturer, Associate professor of the department “Biotechnology”		2007 –to the present day
Research and development projects over the past 5 years	Grant project “AP23488050: Development of a technology for creating a new type of environmentally friendly biofertilizer based on microencapsulation of compositions of biological agents and micro/macronutrients.” Funding amount: 110 million tenge, 2024-2026.		
Industry collaboration over the past five years	Project name	Partners	
Key publications over the past five years	1. Biosynthesis of cellulose with Trichoderma viride and Aspergillus awamori micromycetes in co-cultivation Eur Asian Journal of BioSciences 13, 1521-1526 (2019) 2. Investigation of Acid and Enzyme Wheat Staw Hydrolysis for Obtaining Polysaccharides Oriental Journal of Chemistry 2, 1-7 (2019) 3. Improvement of the technology of preparation of seam of ram producers for extracorporal fertilization of sheep 4. M. Auezov South Kazakhstan State University, Shymkent, Kazakhstan International		

	Conference of Industrial Technologies and Engineering (ICITE-2019) P. 58-61		
Activities in specialized organizations over the the past five years	<i>Organization</i>	<i>Role</i>	<i>Period</i>
	"Membership without a specific role does not need to be mentioned."		

Full name (in full)	<i>Turalieva Moldir Alibekovna</i> E-mail: <a href="mailto:nazanovamoldir@mail.ru">nazanovamoldir@mail.ru</a> SCOPUS ID:56020015200, <a href="https://orcid.org/0000-0001-5021-9260">https://orcid.org/0000-0001-5021-9260</a>		
Position	<b>Associate professor of the department "Biotechnology"</b> <b>Taught modules:</b> Principles of waste management in biotechnological production, Environmental management of biotechnological production, Molecular genetic research in biotechnology, Industrial microbiology		
Academic career	<i>Initial academic position</i>	<i>University</i>	<i>Years</i>
	<i>PhD (specialization/ Biotechnology)</i>	<i>M. Auezov South Kazakhstan University</i>	<i>2016</i>
	<i>Master's degree (specialization / Biotechnology)</i>	<i>Al-Farabi Kazakh National University</i>	<i>2010</i>
	<i>Bachelor's degree (Biotechnology)</i>	<i>Al-Farabi Kazakh National University</i>	<i>2008</i>
Labour activity	<b>Position:</b> <i>Junior Researcher</i>	<i>Employer</i> <i>Republican State Enterprise "Scientific Center for Anti-Infectious Drugs" (Almaty)</i>	<i>2008-2010</i>
	specialist of the HAC	<i>M. Auezov South Kazakhstan University(Shymkent)</i>	<i>2011</i>
	Lecturer at the department "Biotechnology"	<i>M. Auezov South Kazakhstan University(Shymkent)</i>	<i>2016</i>
	Associate professor of the department "Biotechnology"	<i>M. Auezov South Kazakhstan University(Shymkent)</i>	<i>2024</i>
Research and development projects over the past 5 years	2022–2023 - <i>Bolashak</i> International Scholarship Program. Research internship at the University of Arizona (Tucson, USA). 2014 -Internship at the Aachen University of Applied Sciences (Jülich, Germany). 2014 -Internship at the National Center for Biotechnology (Astana, Kazakhstan). 2010 -Internship at the Aachen University of Applied Sciences (Jülich, Germany).		
Industry collaboration over the past five years	<b>Scholar of the "Bolashak" program (2022–2023)</b> completed a scientific internship at the <b>University of Arizona (Tucson, USA)</b> under the "500 Scientists" initiative, focusing on <b>Green Technology, Bioengineering, and Biotechnology</b> .Presentation at international conferences on <b>plant protection and phytopathology</b> , including the <b>American Phytopathological Society Conference (Brownsville, Texas, USA)</b> .Undertook additional internships at the <b>Aachen University of Applied Sciences (Jülich, Germany)</b> and the <b>National Center for Biotechnology (Astana, Kazakhstan)</b> , deepening expertise in <b>molecular biology and modern biotechnological methods</b> .		
Patents and Copyright certificates	1. <i>Bacillus thuringiensis</i> 4-ant bacterial strain exhibiting fungicidal activity against South Kazakhstan strains of phytopathogenic fungi <i>Fusarium solani</i> , <i>Fusarium oxysporum</i> , <i>Fusarium sporotrichioides</i> , <i>Fusarium culmorum</i> and <i>Fusarium flocciferum</i> , causative agents of <i>Ulmus pumilla</i> L. trunk disease.		<i>2021</i>
	2. Strain <i>Thiobacillus ferrooxidans</i> ThioA-1, for bioleaching of rare earth metals from mineral waste		<i>2025</i>

Key publications over the past five years	<p><b>1. The Role of Fusobacteria in the Genesis of Preterm Births Based on Bibliometric Analysis/ //G.Zhurabekova ... (Q1 - 97%) Turaliyeva Moldir, N.Altynbay and U.Narsha/ES Food&amp;Agroforestry. V 18, 2024 DOI:<a href="https://dx.doi.org/10.30919/esfaf1290">https://dx.doi.org/10.30919/esfaf1290</a></b></p> <p>2. Biotechnology of Microorganisms from Coal Environments: From Environmental Remediation to Energy Production/ Akimbekov, N.S.; Digel, I.;Tastambek,K.T.;Marat,A.K.;<b>Turaliyeva,M.A.</b>;Kaiyrmanova,G.K / Biology 2022, 11,1306. <a href="https://doi.org/10.3390/biology11091306">https://doi.org/10.3390/biology11091306</a> MDP (Q1 - 98%)  Publisher'sNote: MDPI stays neutral. Copyright: © 2022 by the authors.MDPI</p> <p>3.<b>Antagonistic and enzymic activity of potential bearing Bacillus thuringiensis4ant strain/Yeshiayev, A., Turaliveva, M., Elibaeva, G., Alibaveva, E., 61–66, DOI:10.12775/EQ.2019.004 (Q2)</b></p>
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Full name (in full)	<b>Tleukeeva Asel Erzhanovna</b> E-mail: <a href="mailto:aseltleukeyeva@mail.ru">aseltleukeyeva@mail.ru</a> Scopus ID: 57313075900, <a href="https://orcid.org/0000-0001-8821-8845">https://orcid.org/0000-0001-8821-8845</a>		
Position	<i>Senior lecturer</i> <i>Taught modules: Technology of Production and Storage of Biotechnological Products, Advances in Genetic Engineering in the Agro-Industrial Sector.</i>		
Academic career	PhD in Biotechnology	M. Auezov South Kazakhstan University	2024
	Master in Natural science	M. Auezov South Kazakhstan State University	2010
	Bachelor in Biotechnology	Al-Farabi Kazakh National University	2008
Labour activity	<i>Position</i>	<i>Employer</i>	<i>Period</i>
	<i>Junior Researcher, Senior Lecturer, Senior Researcher</i>	<i>M. Auezov South Kazakhstan University</i>	<i>2008-to the present day</i>
Research and development projects over the past 5 years	<p><b>2022–2024</b> – State-funded project of the Ministry of Science and Higher Education of the Republic of Kazakhstan: “Production technology of organic fertilizers based on the utilization of phosphorus-containing and carbon-containing waste to increase the yield of vegetable crops in the Turkestan region”, project leader.</p> <p><b>2024–2026</b> – State-funded project of the Ministry of Science and Higher Education of the Republic of Kazakhstan: “Development of the method for the utilization of phosphorus-containing sedimentary waters using green microalgae to produce fertilizers”, project leader.</p>		
Industry collaboration over the past five years	<p>2020–Regional Social-innovative university, Advanced training course “Organization and Management of the Educational Process in Higher Education Institutions Using Distance Learning Technology,”72 hours</p> <p>2024 –Georgian Technical university (Tbilisi, Georgia), Advanced training course “Fundamentals of Biochemical and Microbiological Analysis,” 72 hours</p>		
Patents and Copyright certificates	“Method for bioconversion of phosphorus-containing waste to produce biofertilizers for tomatoes,” Patent No. 36030		<i>Year</i> 2022
Key publications over the past five years	<p>1. Nowak I, Issayeva A, Dąbrowska M, Wawrzyńczak A, Jeleń H, Łęska B, Abubakirova A, Tleukeyeva A. Possibilities of Using Medicinal Plant Extracts and Salt-Containing Raw Materials from the Aral Region for Cosmetic Purposes Molecules. 2022; 27(16):5122. <a href="https://doi.org/10.3390/molecules27165122">https://doi.org/10.3390/molecules27165122</a></p> <p>2. Tleukeyeva, A., Issayeva, A., Ibragimov, T., Issayev, Y., Alpamysova, G., Tlegenova, K., Pankiewicz, R. (2024). Study of the Properties of New Strains of Green Microalgae Cultivated on Residual Phosphorus-Containing Waters. Polish Journal of</p>		

	Environmental Studies, 33(4), 3991-3997. https://doi.org/10.15244/pjoes/177624 3.Issayeva A., Alpamysova G., Tleukeyeva A, et al. (2024). Selection of the composition of the fertilizer and optimal factors for the cultivation of green microalgae on phosphorus—containing waste in the south of Kazakhstan. Journal of Infrastructure, Policy and Development. 8(8): 4817. https://doi.org/10.24294/jipd.v8i8.4817						
Activities in specialized organizations over the the past five years	<table border="1"> <thead> <tr> <th><i>Organization</i></th> <th><i>Role</i></th> <th><i>Period</i></th> </tr> </thead> <tbody> <tr> <td colspan="3">Member of the Council of young scientists at the Academy of Sciences of the Republic of Kazakhstan in the priority area “Rational Use of Water Resources, Flora and Fauna, and Ecology,” from 2022 to the present day</td> </tr> </tbody> </table>	<i>Organization</i>	<i>Role</i>	<i>Period</i>	Member of the Council of young scientists at the Academy of Sciences of the Republic of Kazakhstan in the priority area “Rational Use of Water Resources, Flora and Fauna, and Ecology,” from 2022 to the present day		
<i>Organization</i>	<i>Role</i>	<i>Period</i>					
Member of the Council of young scientists at the Academy of Sciences of the Republic of Kazakhstan in the priority area “Rational Use of Water Resources, Flora and Fauna, and Ecology,” from 2022 to the present day							

Full name (in full)	<i>Elemanova Zhanar Rakhmanberdievna</i> e-mail: <a href="mailto:zhanar.elemanova@uezov.edu.kz">zhanar.elemanova@uezov.edu.kz</a> Scopus Author ID: 57381087200 Web of Science Researcher ID: ORCID: 0009-0005-6643-3751		
Position	<i>Associate professor, PhD in Agricultural Sciences.</i> Taught modules: Modern methods in Biotechnology, Photobiological processes and bioenergetics, Cellular and tissue biotechnology, Kinetics of biochemical processes, Business in Biotechnology, Creating a business plan for the production of biotechnological products		
Academic career	<i>Initial academic position</i> <i>PhD in Agricultural Sciences</i>  <i>Specialization: Biotechnology</i> <i>Qualification: Chemical Engineer</i>	<i>University</i> Southwest Research Institute of Animal Husbandry and Crop Production M. Auezov South Kazakhstan State University	<i>Year</i> 2010  2001
Labour activity	<i>Position</i> Senior lecturer, Associate professor of the department “Biotechnology”	<i>Employer</i> M. Auezov South Kazakhstan University	<i>Period</i> 2006-2024 from 2024- to the present day
Research and development projects over the past 5 years	<b>Implementation of the state budget research project</b> No. 21-01-07 on the theme: “Modern approaches and biotechnological aspects of production in the agro-industrial complex, food and pharmaceutical industries”.		
Industry collaboration over the past five years	Advanced training and supplementary education course for universities from the “Galimnur” Center in Turkestan.		
Patents and Copyright certificates	Serikhan A.E., Kalymbetov G.E. Method for creating annual pastures”.Author's Certificate No. 7062, dated February 8, 2022 “		
Key publications over the past five years	1.Yeginbay A., Burabaev A., Mamykova R. Ways and solutions to preserve the gene pool of rare and endangered plants. Caspian Journal of Environmental Sciences. Том 20, Выпуск 5, 2022. – P. 1135 – 1142. DOI 10.22124/cjes.2022.6094 (procentile -74) 2.Yeginbay A., Burabaev A. Study of the resistance of <i>Arum korolkowii</i> to high-temperature impacts of different intensity at physiological, biochemical, molecular and genetic levels. <a href="#">Indian Journal of Genetics and Plant Breeding</a> .Vol. 83, 1, - 2023.- P. 127 – 134.DOI10.31742/ISGPB.83.1.16 (procentile -71) 3.Kalymbetov G.,Kedelbayev B., Sapargaliyeva B. Effects of Different Biostimulants on Seed Germination of Sorghum. Plants.Journal of Ecological Engineering Vol. 24, 3.2023. –P. 134 – 142. DOI10.12911/22998993/157568 (procentile - 58) 4.Yeginbay A., Burabaev A. Molecular genetic analysis of the ICE 1 gene in <i>Arum korolkowii</i> Regel. Caspian Journal of Environmental Sciences. 2023, 21(5), страницы 1143-1149.(procentile -64)		
Activities in specialized organizations over the the past five years	<i>Organization</i>	<i>Role</i>	<i>Period</i>
	<i>Membership without a specific role does not need to be mentioned.</i>		