

Personnel guide of the educational program “Chemical technology of inorganic substances” (Ma)

1.

Full name	Seitmagzimova Galina Manuilovna E-mail: galina.seitmagzimova@aeuzov.edu.kz SCOPUS ID 55235102500, https://orcid.org/0000-0002-2357-626X		
Position	<i>Professor of Chemical Technology of Inorganic Substances</i> Taught modules: Graphic Analysis of Processes in Multicomponent Systems, Energy Efficient Technology of Mineral Acids		
Academic career	<i>Entry-level academic position</i> Candidate of technical science (Technology of inorganic substances) Graduation (Engineer-technologist Technology of inorganic substances)	<i>University</i> Leningrad Lensoviet Institute of Technology, Saint-Petersburg, RU Leningrad Lensoviet Institute of Technology, Saint-Petersburg, RU	<i>Year</i> 1989 1985
Professional activity	Professional activity Engineer Senior lecturer, associate professor, head of “Chemical technology of inorganic substances” department, professor	<i>Employer</i> JSC Phosphor, Shymkent M. Auezov SKSU	<i>Period</i> 1989-1994 1994-to now
Research and development plans for the past 5 years	2020 – a participant of International educational project Erasmus+ “Promoting internationalisation of research through establishment of Cycle 3QA System” 2023-2025 – Scientific consultant for the funded research project of young scientists "ZhasGalym" (Study of methods for processing potash ores from the Zhilyan and Chelkar deposits into potassium-magnesium fertilizers)		
Collaboration in a branch for the past 5 years	Research internship: 2021 – New Zhambyl phosphoric Plant, ZhB JSC «Kazphosphate» 2024 - ZhB JSC «NDPhP» «Phosphoric plant»		
Patents and copyrights	Patent for invention № 37341, 30.05.2025г. Method of sodium chloride purification. Kadyrbayeva A.A., Urazkeldieva D.A., Seitmagzimova G.M., Minakovsky A.		<i>Year</i> 2025
Major publications over the past 5 years	1. Research of the process of obtaining potassium fertilizers from carnallite ore Bulletin of the Karaganda University Chemistry Series, 2021, 101(2), P.77–85 Scopus 2. Advanced Technologies of Potash Fertiliser Production from Promising Raw Materials. Open ChemEng J, 2024; 18: e18741231330310. http://dx.doi.org/10.2174/0118741231330310240906080722 Scopus 3. An Innovative Environmentally Friendly Processing Method of Promising Carnallite ores. Engineering, Technology & Applied Science Research Vol. 15, No. 4, 2025, 24321-24327; DOI: https://doi.org/10.48084/etasr.11159 Scopus 4. Analysis of the enrichment process of natural potassium salts. Rasayan J. Chem, 15 (1), 586-592 (2022). http://dx.doi.org/10.31788/RJC.2022.1516681 5. Development of the technology of integrated processing the Chelkar deposit potash ore. Complex Use of Mineral Raw Materials. - №3(322), 2022. – C. 14-22. http://dx.doi.org/DOI:10.31643/2022/6445.24 6. Almagul Kadirbayeva, Dilbar Urazkeldiyeva,*, Aliksandr Minakouski, Galina Seitmagzimova, Shaizada Koshkarbayeva and Hakim Tukhtaev. The Development of A Technology for the Purification of Sodium Chloride by Removing Impurities Using the Phosphate Method. The Open Chemical Engineering Journal, 2025, 19 DOI: 10.2174/0118741231373719250430111944, 2025, 19, e18741231373719		
Activity in specialized organizations for the last 5 years	A member of Republican educational-methodical council of Ministry of Science and Higher Education and of the Republic of Kazakhstan since 2016.		

Full name	Kadirbayeva Almagul Akkopeykyzy E-mail: almagul.kadibaeva@uezov.edu.kz SCOPUS ID 57195132576, https://orcid.org/0000-0003-2057-8101		
Position	Associate professor of chemical technology Taught modules: Designing chemical productions, Methods of teaching specialized disciplines		
Academic career	Entry-level academic position Candidate of Technical Sciences Technology of inorganic substances Engineer-chemist-technologist	University M.Auezov South Kazakhstan State University, Shymkent	Year 2007
	Chemical technology of inorganic substances	M.Auezov South Kazakhstan University, Shymkent	2000
Professional activity	Professional activity Senior lecturer, Associate Professor, Professor of the Department "Technology of inorganic and petrochemical productions"	Employer M.Auezov South Kazakhstan University, Shymkent	Period 2005-to now
Research and development plans for the past 5 years	2018-2020 – executor in a funded scientific project AP05I33515 Hybrid technology for complex gas purification		
Collaboration in a branch for the past 5 years	Research internship: 2021 - New Zhambyl phosphoric Plant, ZhB JSC «Kazphosphate» 2024 - ZhB JSC «NDPhP» «Phosphoric plant» Taraz		
Patents and copyrights	Title Patent for invention No. 37341. Method for purifying sodium chloride. Kadirbaeva A.A., Urazkeldieva D.A., Seitmagzimova G.M., Minakovskiy A.		Year 2025
Major publications over the past 5 years	1. The Obtaining and of Composite Chromium - Containing Pigments from Technogenic Waste/ J. Compos. Sci. 2024, 8, 520. https://doi.org/10.3390/jcs8120520 2. Methods for purifying table salt from the Bakhyt-Tany deposit / Integrated Use of Mineral Raw Materials. №3(334), 2025.-P 19-25. DOI: 10.31643/2025/6445.24 3. Research on the production of sorbent based on bentonite clay for wastewater treatment from chemical industries /Kompleksnoe Ispolzovanie Mineralnogo Syra, 2025, 333(2), p. 27–33. 4. Synthesis of EPAN and applications in the encapsulation of potassium humate/Green Processing and Synthesis , 2024, 13(1), 20240004 5. Methods for Obtaining Phosphorus-Containing Fertilizers Based on Industrial Waste/Inorganics , 2023, 11(6), 224. 6. Almagul Kadirbayeva, Dilbar Urazkeldiyeva,* , Aliaksandr Minakouski , Galina Seitmagzimova, Shaizada Koshkarbayevaand Hakim Tukhtaev. The Development of A Technology for the Purification of Sodium Chloride by Removing Impurities Using the Phosphate Method. The Open Chemical Engineering Journal, 2025, 19 DOI: 10.2174/0118741231373719250430111944, 2025, 19, e18741231373719		
Activity in specialized organizations for the last 5 years			

3.

Full name	Koshkarbayeva Shaizada Tortaevna E-mail: shaizada.koshkarbayeva@aeuzov.edu.kz SCOPUS ID 56053848300, https://orcid.org/0000-0001-8753-3245		
Position	<i>Associate Professor of Chemical Technology of Inorganic Substances</i> Taught modules: Modern construction materials in chemical technology, Innovative technologies for digestible phosphates and nitrates, Methods of teaching specialized disciplines, Research Methods of inorganic compounds, Adsorption processes in inorganic technology		
Academic career	<i>Entry-level academic position</i> <i>Candidate of Technical Sciences</i> Technology of inorganic substances <i>Engineer–chemist-technologist</i> Electrochemical production technology	<i>University</i> Kazakh Institute of Chemical Technology, Shymkent Kazakh Institute of Chemical Technology, Shymkent	<i>Year</i> 2002 1993
Professional activity	Professional activity Lecturer, Senior Lecturer, Associate Professor, Department of Technology of inorganic and petrochemical productions	Employer M. Auezov South Kazakhstan University	<i>Period</i> 1997--to now
Research and development plans for the past 5 years	2020-2021 - senior research fellow of the project AP08956891 Investigation of photochemical activation of the surface of dielectric materials for the purpose of applying metal coatings.		
Collaboration in a branch for the past 5 years	Research internship: 2023 - LLP "Company WDA", Shymkent 2024 - New Zhambyl phosphoric Plant, ZhB JSC «Kazphosphate»		
Patents and copyrights	<i>Title</i> 1. Patent of the Republic of Kazakhstan № 36399 for the invention, A method for producing thin electrically conductive silver layers for coating dielectric materials. Serikbaeva B.S., Koshkarbaeva Sh.T., Sataev M.S., Abzhalov R.S., Amanbaeva K.B., Prokopovich P., Abdurazova P.A.		<i>Year</i> 2023
Major publications over the past 5 years	1.R. Abzhalov, M. Sataev, Sh.Koshkarbayeva, G. Sagitova, B. Smailov, A. Azimov, B. Serikbaeva, O. Kolesnikova, R.Fediuk and M. Amran. Studies of the Application of Electrically Conductive Composite Copper Films to Cotton Fabrics. J. Compos. Sci. 2022, 6, 349. https://doi.org/10.3390/jcs6110349 https://www.mdpi.com/journal/jcs 2. B. Ismailov, B. Zakirov, A. Kadirbayeva, Sh. Koshkarbayeva, B. Smailov, A. Azimov and N. Issabayev. Methods for Obtaining Phosphorus-Containing Fertilizers Based on Industrial Waste. Inorganics 2023, 11, 224. https://doi.org/10.3390/inorganics11060224 . 3. Serikbayeva B., Satayev M., Koshkarbayeva S., Azimov A., Amanbayeva K., Sagitova G., Suigenbayeva A., Narmanov M., Kolesnikov A. Photochemical Metallization: Advancements in Polypropylene Surface Treatment. Polymers (2023), 15 (18), article № 3687, <a 10.32014="" 2024.2518-1483.269"="" doi.org="" href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172933886&doi=10.3390%2fpolym15183687&partnerID=40&md5=3d2, ISSN 20734360, DOI: 10.3390/polym15183687, p.1-12.
4. B. Serikbaeva, R. Abzhalov, A. Kolesnikov, Sh. Koshkarbaeva, M. Sataev. Direct photochemical silvering of polymers. Reports of the National Academy of Sciences of the Republic of Kazakhstan. ISSN 2224-5227, Volume 1. Number 349 (2024), 230–243 https://doi.org/10.32014/2024.2518-1483.269 . 5. Asylbekova G.T., Sataev M.S., Koshkarbayeva Sh.T., Perminova I., Abdurazova P.A. Composite coatings: a comprehensive review of materials, methods and applications. Reports of the National Academy of Sciences of the Republic of Kazakhstan. Almaty, № 4. Volume 348, 2023. P.148-169.		
Activity in specialized organizations for the last 5 years	Member of the Republican Educational and Methodological Council of the Ministry of Education and Science of the Republic of Kazakhstan, from 2016 to the present		

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Full name	Altybaev Zhaksylyk Mamyrbekovich E-mail: zhaltybayev@85@gmail.com SCOPUS ID 55703130200 , https://orcid.org/0000-0001-9091-4575		
Position	<i>PhD of Chemical Technology of Inorganic Substances</i> Taught modules: Innovative technologies of feed salts, Prospects for the development of the production of complex mineral fertilizers		
Academic career	<i>Entry-level academic position</i>	<i>University</i>	<i>Year</i>
	<i>PhD</i> Chemical technology of inorganic substances	M.Auezov South Kazakhstan State University, Shymkent city	2012
	<i>Engineer-chemist-technologist</i> Chemical technology of inorganic substances	M.Auezov South Kazakhstan State University, Shymkent city	2008
Professional activity	Professional activity Senior Lecturer, Associate Professor Department of Technology of inorganic and petrochemical productions	Employer M.Auezov South Kazakhstan State University	<i>Period</i> 2013-2022 2022-to now
Research and development plans for the past 5 years	2023-2024-BR18574143 «Development and implementation of groundwater purification technology and provision of drinking water to the population and animals of agricultural enterprises» (program-targeted financing). 2023-2027 – AP27511917 «Production of biohumus by processing organic waste and improving soil fertility and agricultural crop yields» scientific supervisor (grant research project for young scientists)		
Collaboration in a branch for the past 5 years	Research internship: 2022 - New Zhambyl phosphoric Plant, ZhB JSC «Kazphosphate» 2023– Bukhara Engineering and Technological Institute, Uzbekistan		
Patents and copyrights	<i>Title</i> The patent of the RK for a utility model № 7809, 30.06.2023 The method of planting stevia seedlings (<i>Steviarebaudiana</i> Bertoni) in the open ground. Shapalov Sh.K., Azimov A.M., Altybaev Zh.M., Ermekbayeva A.T. and others.		<i>Year</i> 2023
Major publications over the past 5 years	1. Omarov B., Zhantassov K., Kirgizbayeva K., Altybayev Z. Methods for obtaining humate-containing fertilizers from brown coal. <i>International Journal of Coal Preparation and Utilization</i> , 2024. https://www.tandfonline.com/doi/pdf/10.1080/19392699.2024.2330409 2. Omarov B., Zhantassov K., Altybayev Z. Changes in the Physicochemical Characteristics of Humic Acids in a Hydrodynamic Rotor-Pulsation Apparatus. <i>Eurasian Chemico-Technological Journal</i> , 2023, 25(4), c. 219–226. https://doi.org/10.18321/ectj1544 3. Omarov B.T., Moldabekov Sh.M., Zhantassov K.T., Altybaev J.M., Shapalov Sh., Kadyrbaeva A.A. Influence of coal humic fertilizers on development of agriculture. <i>Reports of the National Academy of sciences of the Republic of Kazakhstan</i> ISSN 2224-5227, Volume 2, Number 306 (2016), p. 96-99 (<i>KOKCOHMOHPK</i>) 4. Zaurbekov Talgat, Dossaliyev Kanat, <u>Altybaev Zhaksylyk</u> , Otarbaeva Gulzira, Yesimkhanova Nagima. Study of the discharge rate of dust from asbestos production facilities into the atmosphere. <i>E3S Web of Conferences</i> 10th International Annual Conference on Industrial Technologies and Engineering, ICITE 2023. – Shymkent, 9 November 2023. DOI 10.1051/e3sconf/202447401037. 5. Baibatyrova Bekzat, Tileuberdi Ayaulym, <u>Altybaev Zhaksylyk</u> , Begentayev, Meiram, Kuldeyev Erzhan, Nyrylybayev Ruslan. Improving the Methods of Solid Domestic Waste Disposal to Reduce Its Human Impact on the Environment. <i>Sustainability Switzerland</i> , 2024, 16(24), 11071. DOI: 10.3390/su162411071		
Activity in specialized organizations for the last 5 years			

5.

Full name	Anarbayev Abibulla Abildaevich E-mail: abib_28@mail/ru SCOPUS ID 55234743400, https://orcid.org/0000-0002-0019-4381		
Position	<i>Professor of Chemical Technology of Inorganic Substances</i> Taught modules: Innovative technologies of feed salts		
Academic career	<i>Entry-level academic position</i> Doctor of Technical Sciences Technology of inorganic substances <i>Candidate of Technical Sciences</i> Metallurgy of non-ferrous and refractory metals <i>Engineer-chemist-technologist</i> Electrothermal production technology	<i>University</i> South Kazakhstan Technical University, Shymkent Kazakh Chemical Technology Institute, Shymkent Kazakh Chemical Technology Institute, Shymkent	<i>Year</i> 1999 1989 1980
Professional activity	Professional activity Lecturer, Senior Lecturer, Associate Professor, Head of the Department, Dean, Professor, Department of Technology of inorganic and petrochemical productions	Employer M. Auezov South Kazakhstan University	<i>Period</i> 1990- to now
Research and development plans for the past 5 years	2021 – scientific supervisor in a funded scientific project GF of the Ministry of Education and Science of the Republic of Kazakhstan on the topic AP09563358 "Development of scientific foundations of technology for processing distillery liquid for soda ash production" 2023-2025 – scientific supervisor in the funded scientific project of the PCF of the Ministry of Education and Science of the Republic of Kazakhstan on the topic BR21882181 "Development of technology for the production of highly efficient materials based on mineral raw materials and man-made waste"		
Collaboration in a branch for the past 5 years	Research internship: 2022 - LLP «Kainar», Shymkent 2024 - ZhB JSC «NDPhP» «Phosphoric plant»		
Patents and copyrights	<i>Title</i> 1. RK patent for utility model No.4959. A method for obtaining lithium chloride from chloride brines. Anarbayev A.A., Khusanov Zh.E., Kabyzbekova B.N., Anarbayev N.A., Ulbekova M.M. 2. The patent of the Republic of Kazakhstan for utility model No. 6569. A method for processing distillery liquid of ammonia-soda production. Anarbaev A.A., Khusanov Zh.E., Anarbaev N.A., Kabyzbekova B.N., Ormanova G.M. 22.10.2021г.		<i>Year</i> 2020 2021
Major publications over the past 5 years	1. Anarbayev A., Ylbekova M., Tleuova S., Yeskendirova M., Khusanov Zh., Kabyzbekova B., Anarbayev N. Development prospects of new technologies of lithium-containing products. Vol. 15, no. 10, may 2020, pp.1151-1157, ISSN 1819-6608. ARPJ JEAS-ARPN - ARPJ Journal of Engineering and Applied Sciences (ISSN18196608-Pakistan-Scopus. All rights reserved. www.arpnjournals.com , (https://www.scopus.com/sourceid/21100200825). 2. Anarbayev A., Ormanova G., Kabyzbekova B., Vysotskaja N., Kucharov B.. Regularities of interaction of calcium chloride of distiller liquid with natural sodium sulfate. RASAYAN Journal of Chemistry., i.e. RJC, Vol.13, №4, 2020, www.rasayanjournal.nal.com . 3. Anarbayev A.A., Khegay R, Spabekova R, Kabyzbekova B.N., Dmitrevsky B.A. Studying the process of lithium chloride extraction from the brine. Of the national academy of sciences of the republic of Kazakhstan series of geology and technical sciences. ISSN 2224-5278, Volume1, number 439 (2020), 151 – 156 https://doi.org/10.32014/2020.2518-170x.17 4. Anarbayev A.A., Ormanova G.M., Kabyzbekova B.N., Khusanov Zh.E., Anarbayev N. A. Investigation of the crystallization conditions of calcium sulfate during the		

	<p>conversion of calcium chloride in a distilled liquid//ICITE-2021 VIII International Annual Conference «Industrial Technologies and Engineering» ROCEEDINGS, Shymkent, Kazakhstan, November, 2021, p. 78-82</p> <p>5. Anarbayev A.A., Ormanova G.M., Kabyzbeko B.N. Investigation of the conversion process of calcium chloride of soda production distiller liquid in the presence of mirabilite and thenardite. <i>Rasayan J. Chem.</i>, 15(2), 1280-1287(2022) http://doi.org/10.31788/RJC.2022.1526871</p> <p>6. Abibulla Anarbayev, Balzhan Kabyzbekova, Zhakhongir Khussanov, Bakyt Smailov, Yevgeniy Kulikov. Research of the Process of Obtaining Monocalcium Phosphate from Unconditional Phosphate Raw Materials, <i>ChemEngineering</i>, 2025, 9, p.2-15 https://doi.org/10.3390/chemengineering9020039</p> <p>7. Anarbayev A.A., Kabyzbekova B.N., Smailov B.M., Ormanova G.M. Methods for purifying table salt from the Suzak deposit. <i>Complex Use Mineral Raw Materials</i>. №3(338), 2025-p.5-12 https://doi.org/10.31643/2026/6449.23</p> <p>8. A.A. Anarbayev, B.N. Kabyzbekova, J.E. Khusanov, G.M. Ormanova, Investigation of the process of obtaining a complex phosphohumate mineral fertilize. <i>News of the national academy of sciences of the republic of kazakhstan series chemistry and technology</i>, ISSN 2224–5286 Volume 1. Number 462 (2025), 5–20 https://doi.org/10.32014/2025.2518-1491.262</p> <p>9. A. Anarbayev, N. Abdimutalip, G. Shalabayeva, A. Beskempirova. The ecological importance of processing phosphate raw materials to produce finished product. <i>Scientific- Technical and Industrial Mining Journal of Kazakhstan</i>, №5 (241) 2025-p.52-60</p>
<p>Activity in specialized organizations for the last 5 years</p>	<p>Member of the Republican Educational and Methodological Council of the Ministry of Education and Science of the Republic of Kazakhstan, 2020-2022.</p>

6.

Full name	Shomanbayeva Almira Orazalieвна		
Position	<i>Associate Professor of General Pedagogy and Psychology</i> Taught modules: Psychology of management		
Academic career	<i>Entry-level academic position</i> <i>Candidate of Psychological Sciences</i> Social Psychology <i>Teacher</i> History and Social Studies	<i>University</i> Al-Farabi Kazakh National University, Almaty Shymkent Pedagogical Institute named after M. Auezov, Shymkent	<i>Year</i> 2005 1988
Professional activity	Professional activity Teacher, lecturer, Senior lecturer, Associate Professor of the Department of General Pedagogy and Psychology	<i>Employer</i> Teacher of history and social studies, school psychologist of M.I. Kalinin Secondary School No. 5, Shymkent M. Auezov South Kazakhstan University	<i>Period</i> 1995-2008 2009-to now
Research and development plans for the past 5 years			
Collaboration in a branch for the past 5 years	Research internship: 2023 – Methodology Rapid Foresight, Skills Technology Foresight «Moderator». Certificate №STFM 230908		
Patents and copyrights	<i>Title</i>		<i>Year</i>
Major publications over the past 5 years	<ol style="list-style-type: none"> 1. Study of the impact of special education programmers on the psycho-emotional well-being of students Journal «Periodicals of Engineering and Natural Sciences».-2024.-12(2).-294-302. 2. Studying attitudes towards gender role models of family in the structure of gender self-awareness of Kazakhstani women Journal « Bulletin of the L.N. Gumilyov Eurasian National University. Series: Pedagogy. Psychology. Sociology». . -4 (145). -2023. -P.261-273. 3. Cross-cultural aspect of the formation of gender consciousness of women in Kazakhstan Journal «Bulletin of the L.N. Gumilyov Eurasian National University. Series: Pedagogy. Psychology. Sociology». №3(144) 2023.-P.321-334. 4. Connection between emotional burnout syndrom and proactive coping behavior in studying professional stress and deformations/ Bulletin of KazNPU named after Abai. - Psychology series. - №1(78). -2024. -P.84-97 5. On the issue of studying professional crises among teachers. Eurasian Journal of Academic Research. Volume 3.Issue 3. March 2023. 3(3). P.214-222. ISSN2181-2020 UIF=8,1/SJIF=5.685 		
Activity in specialized organizations for the last 5 years			

7.

Full name	Ibraeva Nurila Amirovna		
Position	<i>Associate Professor of Philosophy</i> Taught modules: History and philosophy of science		
Academic career	<i>Entry-level academic position</i> <i>Candidate of Philosophy</i> History of Philosophy <i>The philosopher. Teacher</i> Classical philosophy, Philosophy of Science	<i>University</i> S.M. Kirov Kazakh State University, Almaty	<i>Year</i> 2008 1988
Professional activity	Professional activity Lecturer, Senior Lecturer, Associate Professor, Department of Philosophy	<i>Employer</i> M. Auezov South Kazakhstan University	<i>Period</i> 1988-1998 1998--to now
Research and development plans for the past 5 years			
Collaboration in a branch for the past 5 years	Research internship: 2023 - History and philosophy of the peoples of Central Asia. History of Philosophies, Ontology of Ancient and Ancient Philosophies, Mirzo Ulugbek National University of Uzbekistan.Tashkent city		
Patents and copyrights	<i>Title</i>		<i>Year</i>
Major publications over the past 5 years	<p>1. Mangilik El - the spiritual value of Turkic-speaking peoples. ASTANA ULUSRARASI HUKUK ve SOSYAL BILIMLER SEMPOZYUMU 13-14 Kasum/November 2021 Kemer - ANTALIA P.262-268.</p> <p>2. The space of the Kazakh nomadic world. IScience «Current scientific research in the modern world» Magazine Issue 11 (79) Part 8 November 2021 Pereyaslav 2021. P.120-126. RSCI</p> <p>3. Social and philosophical views in the works of Al Farabi and Al Gazali. Bulletin of L. N. Gumilyov Eurasian National University. HISTORICAL SCIENCES. Philosophy. Religious studies series HISTORICAL SCIENCES series. philosophy. RELIGIOUS STUDIES № 1(142)/2023 P. 225-236. Astana, 2023</p> <p>4. Influence of Socio-Organizational and Personal Resources of the Employee on the Positive Perception of Work. Received: 9 May 2023 / Accepted: 13 June 2023 / Published: 5 July 2023. Scopus</p>		
Activity in specialized organizations for the last 5 years	Member of the Republican Educational and Methodological Council of the Ministry of Education and Science of the Republic of Kazakhstan, from 2020 to the present. Philosophy subsection		

8.

Full name	Kalybekova Asma		
Position	<i>Professor of General Pedagogy and Psychology</i> Taught modules: Higher school pedagogy		
Academic career	<i>Entry-level academic position</i> <i>Doctor of Pedagogical Sciences</i> Theory and history of pedagogy, ethnopedagogy <i>Candidate of Pedagogical Sciences</i> Theory and history of pedagogy <i>Teacher</i> History and methodologist for educational work	<i>University</i> Kostroma State Pedagogical Institute named after N.A.Nekrasov, Kostroma	<i>Year</i> 1993 1986 1969
Professional activity	Professional activity Lecturer, Senior lecturer, Associate Professor, Head of the Department, Professor of the Department of General Pedagogy and Psychology	Employer Shymkent Pedagogical Institute of Culture named after Al- Farabi, Shymkent M. Auezov South Kazakhstan University, Shymkent	<i>Period</i> 1971-2023 2023-to now
Research and development plans for the past 5 years			
Collaboration in a branch for the past 5 years	Research internship: 2022 – Higher School pedagogy, Galym Nur Center for advanced training, Turkestan. Certificate № 0036.		
Patents and copyrights	<i>Title</i>		<i>Year</i>
Major publications over the past 5 years	1. Kazakh family traditions and customs // Search, 2021. - №2. - P.6-7. 2. Formation of culture of primary school students // Search, 2021. - №2. - P.31-36. 3. Organization of correctional work with hyperactive children of primary school age // Search, 2021. - №2. - P.23-30		
Activity in specialized organizations for the last 5 years			

9.

Full name	Taubayeva Aliya Sabirzhankyzy E-mail: aliya.taubayeva.88@mail.ru SCOPUS ID 56351770300, https://orcid.org/0009-0003-6561-4193		
Position	<i>PhD of chemical technology of inorganic substances</i> Taught modules: Energy Efficient Technologies of Mineral Acids(laboratory classes), Examination of Household Chemical Products		
Academic career	<i>Entry-level academic position</i>	<i>University</i>	<i>Year</i>
	<i>PhD</i> Chemical technology of inorganic substances	Kazakh-British Technical University, Almaty	2015
	<i>Engineer- laboratory assistant</i> Chemical analysis laboratory assistant at steelmaking site No. 12	Almaty Heavy Machinery Plant JSC, Almaty	2011
	<i>Engineer</i> Chemistry of fertilizers and salts	A.B.Bekturov Institute of Chemical Sciences JSC, Almaty	2014
Professional activity	Professional activity Senior Lecturer, PhD, Department of Technology of inorganic and petrochemical productions	Employer M. Auezov South Kazakhstan University	<i>Period</i> 2015-to now
Research and development plans for the past 5 years			
Collaboration in a branch for the past 5 years	Research internship: 2021 - New Zhambyl phosphoric Plant, ZhB JSC «Kazphosphate»		
Patents and copyrights			Year
Major publications over the past 5 years	1.Taubayeva A.S., Ermetova K.T. Tleuova S.T. Promising application of sodium humate sorbent for wastewater treatment from zinc (II) ions//ICITE-2025,XII International conference «Industrial technologies and engineering» 2. Seitmagzimova L, Kadirbayeva A, Koshkarbayeva Sh, Urazkeldiyeva D, Taubayeva A. Determination of the Optimal technological regime for processing phosphate raw material using circulation technology to obtain monocalcium phosphate//South African journal of chemical engineering, 2025		
Activity in specialized organizations for the last 5 years			

10.

Full name	Tleuova Saltanat Talipovna E-mail: saltanat.talipovna52@mail.ru SCOPUS ID 57190010741, https://orcid.org/0000-0002-4764-3500		
Position	<i>Professor of Chemical Technology of Inorganic Substances</i> Taught modules: Study of thermodynamics and kinetics of technological processes, Resource-saving technologies for processing man-made waste, Innovative technologies for digestible phosphates and nitrates		
Academic career	<i>Entry-level academic position</i> <i>Candidate of Technical Sciences</i> Technology of silicate nonmetallic and refractory materials Engineer-technologist Technology of binding materials	<i>University</i> Kazakh Institute of Chemical Technology, Shymkent Kazakh Institute of Chemical Technology, Shymkent	<i>Year</i> 1988 1974
Professional activity	Professional activity Engineer, Junior Researcher, Senior Researcher, lecturer, Senior Lecturer, Associate Professor, Professor of the Department of Technology of inorganic and petrochemical productions	Employer M. Auezov South Kazakhstan University	<i>Period</i> 1977--to now
Research and development plans for the past 5 years	2021. - AP09562407 Technology for the production of multifunctional sorbents based on natural and man-made raw materials for wastewater treatment of chemical industries - leading researcher 2023-2025. Program-targeted funding for scientific and scientific-technical programs BR21882181 «Development of technology for the production of highly efficient materials based on mineral raw materials and man-made waste»; Section 3. «Creation of a highly efficient technology for processing phosphate-siliceous shales and man-made waste - oil sludge, petroleum coke for the production of high-quality phosphorous agglomerates» - scientific supervisor		
Collaboration in a branch for the past 5 years	Research internship: 2021 - Kainar LLP, Shymkent 2024 - ZhB JSC «NDPhP» «Phosphoric plant»		
Patents and copyrights	<i>Title</i> 1. Tleuov A.S., Tleuova S.T., Tleuberdi A.N., Pazylova D.T. Method for processing lead-containing slags. Patent for utility model RK No. 12 from 24.03.2023 2. Tleuov A.S., Tleuova S.T., Pazylova D.T., Ulbekova M.M., Turishbekov Zh.A. Utility model patent RK № 9772. Method of sintering phosphate raw materials		<i>Year</i> 2023 2024
Major publications over the past 5 years	1. Tleuova, S.T., Userbayeva, B.A., Tleuov, A.S., Yakubova, R.R., Kerimbayeva, K.Z. Kinetic study of oil-containing wastewater treatment with the use of natural sorbents. Journal of Water and Land Development, 2021, 49, p.252–258. https://doi.org/10.24425/jwld.2021.137119 Scopus 2. Smailov, B.M., Tleuov, A.S., Beisenbayev, O.K., Yeskendirova, M.M., Userbaeva, B.A. "Multifunctional sorbents based on refractory clays for chemical industry wastewater treatment". Rasayan Journal of Chemistry, 2022, 15(2), p. 1085–1090 http://dx.doi.org/10.31788/RJC.2022.1526806 Scopus 3. Tileuberdi, A.N., Tleuova, S.T., Tleuov, A.S., Pazylova, D.T. "Research of physico-chemical regularities of environmentally safe technology for extraction of metals from dump slag". Rasayan Journal of Chemistry, 2022, 15(4), p. 2605–2611 http://doi.org/10.31788/RJC.2022.1547082 Scopus 4. Tileuberdi, A., Misiuchenka, V., Tleuov, A., Tashenov, Y., Tleuova, S. "Studies of Physicochemical Bases and Optimization of Environmentally Safe Technology of Lead Production Waste Recycling". Journal of Ecological Engineering, 2023, 24(9), p. 293–301 : https://doi.org/10.12911/22998993/169183 Scopus 5. A.Tileuberdi, A. Zhaksylyk, D. Pazylova, N. Sagyndykova, A. Tleuov, S. Tleuova. Mathematical approach to solving the problem of waste-free processing of metallurgical wastes. Polish Journal of Environmental Studies – Olsztyn, Poland, 2024. -Volume 33, Issue 4, pp. 1-6. https://doi.org/10.15244/pjoes/183431 Scopus 6. M.M.Ulbekova, S.T.Tleuova, A.A.Anarbayev, D.T.Pazylova. Mathematical Modeling of Sorptive Extraction of Lithium Chloride from Lithium-containing Brine of the Aral Sea Region. The open chemical engineering – Sharjah, U.A.E., 2024, -Volume 18, e18741231333549		

	<p>https://doi.org/10.2174/01187412313335492409090708331Scopus</p> <p>7. Tleuova S, Tileuberdi A, Pazylova D, Ulbekova M, Sagyndykova N, Lavrov B. «Investigation of the Process of Agglomeration of Phosphorites Using Phosphate-Siliceous Shales and Oil Sludge». Open Chem Engineering Journal, 2024, Volume 18, e18741231331231. http://dx.doi.org/10.2174/0118741231331231240731153013</p> <p>Scopus</p> <p>8. S.T. Tleuova, A.S. Tleuov, D.T. Pazylova, N.T. Sagindikova. <i>Study of the physicochemical properties and thermodynamic principles of the agglomeration process of phosphate raw materials</i> // Bulletin of Shakarim University. Technical sciences № 2(14) 2024, б. 552-562</p> <p>https://doi.org/10.53360/2788-7995-2024-2(14)-66</p>	
Activity in specialized organizations for the last 5 years	Member of the Republican Educational and Methodological Council of the Ministry of Education and Science of the Republic of Kazakhstan, from 2016 to the present	

11.

Full name	Zhaksanova Ainur Nishambaevna E-mail: zh-ainur@mail.ru		
Position	Candidate of Technical Sciences Taught modules: Mathematical planning and processing of experimental results		
Academic career	<i>Entry-level academic position</i> <i>Candidate of Technical Sciences</i> Processes and apparatuses of chemical engineering	<i>University</i> M. Auezov South Kazakhstan University, Shymkent	<i>Year</i> 2008
Professional activity	Professional activity Lecturer, Senior Lecturer, Department of Information Systems and Modeling	<i>Employer</i> M. Auezov South Kazakhstan University	<i>Period</i> 2008-to now
Research and development plans for the past 5 years			
Collaboration in a branch for the past 5 years			
Patents and copyrights	1. Author's certificate № 42623, « Scientific Work «Kazygurt Gardens» Automation of the warehouse employee's workplace in LLC», Kozhabekova P. A. 2. Author's certificate № 39945, « Development of a mobile application for the planning department of the company “ROYAL COMPANY”», Begilda A.S., Mugalbekova A.A., Yelbergenova G.Zh. 3. Author's certificate № 59370, ««BestonTradingCo.» JSC's system for inventory accounting and warehouse inventory turnover management», Ashirbek Sh. B., Tagai G. K., Kulenova E. T. 4. Author's certificate № 59447, ««Med&Stom» Creation of automated IP LLP », Nurash A. R., Tagai G. K., Kulenova E. T. 5. Author's certificate №60021, «Organization of business processes of an LLC using an information system», Kurash A. B., Iztaev Zh. D., Kulenova E. T. 8. Author's certificate №60016, «Creation of automated systems for managing private production», Altynbek N.B., Iztaev Zh.D., Yelbergenova G.Zh.	<i>Year</i> 2023 2024 2025	
Major publications over the past 5 years	1. A.Zh. Ussenova, A.A. Mugalbekova: Classification of Enterprise Information Systems. Proceeding IX International Conference «Industrial Technologies and Engineering» ICITE – 2022, Volume III. 2022. p. 128-132. 2. B. Omarov, O. Auelbekov, A. Suliman: CNN-BiLSTM Hybrid Model for Network Anomaly Detection in Internet of Things. International Journal of Advanced Computer Science and Applications, Vol. 14, No. 3, 2023. p. 346-444. 3. R.Abrakhmanov, M. Karatayeva, G.Niyazova, K. Berkimbayev, A. Tuimebayev: Development of a Framework for Predicting Students' Academic Performance in STEM Education using Machine Learning Methods. International Journal of Advanced Computer Science and Applications, Vol. 15, No. 1, 2024. p. 38-244. 4. A. A. Kopzhasarova, G. K. Tagay: Solution of the Cauchy problem for a homogeneous equation. Bulletin of Science of South Kazakhstan №4 (28), 2024, p. 161-168		
Activity in specialized organizations for the last 5 years			

12.

Full name	Zhantasov Kurmanbek Tazhmakhanbetovich E-mail: k_zhantasov@mail.ru SCOPUS ID 57210296897, https://orcid.org/0000-0003-2600-1610		
Position	<i>Professor of Chemical Technology of Inorganic Substances</i> Taught modules: «Designing chemical productions», «Technology of complex and complex-mixed fertilizers and their development trends».		
Academic career	<i>Entry-level academic position</i> Doctor of Technical Sciences Technology of inorganic substances <i>Engineer–chemist-technologist</i> Electrothermal production technology	<i>University</i> M. Auezov South Kazakhstan State University Kazakh Chemical-Technology Institute	<i>Year</i> 2000 1974
Professional activity	Professional activity Ferrophosphorus drainer, engineer, Junior Researcher, Senior Researcher Senior lecturer, associate professor, professor, head of the department of "Chemical technology of inorganic substances", "BZhIZOS", head of the research laboratory "Inorganic salts, stimulants of plant growth and protection".	Employer Shymkent Phosphorus Plant KazNiiGiprophosphor M. Auezov South Kazakhstan State University	<i>Period</i> 1966-1969 1974- -1993 1993 - to now
Research and development plans for the past 5 years	Commercialization project "Production of multi-vector intelligent fertilizers of prolonged action" 2022-2024..		
Collaboration in a branch for the past 5 years	Research internship: 2021 - New Zhambyl phosphoric Plant, ZhB JSC «Kazphosphate» 2025 - Toshkent davlat transport universiteti		
Patents and copyrights	<i>Title</i> 1 2 Zhantasov K.T., Moldabekov Sh.M., Dormeshkin O.B., Naukenova A.S. Method of obtaining a complex organomineral fertilizer - fertilizer mixtures. The Eurasian Patent № 043932. 3 Patent for a Utility model №8989 by request 2023/1040.2 from 18.10.2023. The method of crushing phosphorus-containing materials. Zhantasov K.T., Toltebaeva Z.D., Bazhirov K.N., Bazhirov T.S., Serikbaev B.E., Bazhirova K.N. 4 Patent for a Utility model №9015 by request 2023/1126.2 from 14.11. 2023. Phosphorus organomineral fertilizer. Toltebaeva Z.D., Zhantasov K.T., Bazhirov T.S., Bazhirov K.N., Bazhirov N.S., Serikbaev B.E., Bazhirova K.N. 5 Patent for a Utility model №10647 by request 2025/0380.2 from 11.03.2025. Method of manufacturing building products. Zhantasov K.T., Zhumataeva S.B., Zhantasova M.K., Ismailov B.A.		<i>Year</i> 2023 2024 2024 2025
Major publications over the past 5 years	1. Zhantasov, K.T., Kozhakhmetova, A.M., Dormeshkin, O.B., ...Baiysbay, O.P., Dosbayeva, A.M. Obtaining environmentally safe mixed fertilizers containing trace elements based on carbonate-siliceous dolomitized phosphate raw materials and wastes chp. <i>Rasayan Journal of Chemistry</i> this link is disabled, 2021, 14(2), стр. 1208–1215 https://elib.belstu.by/handle/123456789/45576?mode=full 2. Zhantasov, K.; Ziyat, A.; Sarypbekova, N.; Kirgizbayeva, K.; Iztleuov, G.; Zhantasov, M.; Sagitova, G.; Aryn, A. Ecologically Friendly, Slow-Release Granular Fertilizers with Phosphogypsum. <i>Polish Journal of Environmental Studies</i> . 2022. DOI: 10.15244/pjoes/144099 3. Turakulov B., Zhantasov K.T., Kolesnikov A., Smailov B., Liseitsev Y. Research on the Production of Pigments Based on Composite Pellets in the Recycling of Industrial Waste. <i>Journal of Composites Science</i> , 2023 (7), 289. DOI: https://doi.org/10.3390/jcs7070289 4. Bazhirova K., Zhantasov K.T., Bazhirov T., Toltebaeva Z., Kolesnikov A., Bazhirov N. and etc. Acid-free processing of phosphorite ore fines into composite fertilizers using the mechanochemical activation method. <i>Journal of Composites Science</i> 2024, (8), 165. MDPI. DOI: https://doi.org/10.3390/jcs8050165 . P. 2-21 5. Omarov B., Zhantassov M., Kirgizbayeva K., Altybayev Z. Methods for obtaining humate-containing fertilizers from brown coal. <i>International Journal of Coal Preparation and Utilization</i> , 2025, 45 (1). DOI: https://www.tandfonline.com/doi/pdf/10.1080/19392699.2024.2330409 .		
Activity in specialized organizations for the last 5 years	Chair of the Scientific and Technical Council (STC) 2020-2022. Member of the Scientific and Technical Council 2024 - to now		

13.

Full name	Zhekeev Malik Kasymovich E-mail: Malik.zhekeyev@mail.ru		
Position	<i>Doctor of Technical Sciences</i> Taught modules: Adsorption Processes in Inorganic Technology, Innovative Technologies for Available Phosphates and Nitrates		
Academic career	<i>Entry-level academic position</i> Candidate of Technical Sciences	<i>University</i> Kazakh Chemical-technological Institute, Shymkent city	<i>Year</i> 1988
	Doctor of Technical Sciences	M.Auezov South Kazakhstan State University, Shymkent city	2004
Professional activity	<i>Professional activity</i> Head of the Research Institute, Head of the Department of Chemical technology of inorganic substances, Head of the lab "Problems of ecology", Professor of the Department of Technology of Inorganic and Petrochemical Productions	<i>Employer</i> M.Auezov South Kazakhstan State University	<i>Period</i> 2005-2025- to now
Research and development plans for the past 5 years	Head of grant project of the Ministry of Education and Science of the Republic of Kazakhstan: No. 611 "Development of technology for the production of white soot based on local quartz-containing resources"; No. 318 - 3.6.2.- 593 FI "To develop the physico-chemical foundations of an ecologically optimized new technology for processing and disposing of "poor" phosphorous sludge to produce ammophos 52/12, elemental yellow phosphorus and an environmentally friendly component construction materials"; No. 1141 and No. 397-1.4 "Development of technology for processing and utilization of phosphogypsum to produce a balanced complex fertilizer of the sulfoammophos type".		
Collaboration in a branch for the past 5 years	Research internship: 2020- Certificate of «Auezov International Summer University – 2020», 15-26 June,. 2020- Certificate of «Central Asia NOBEL FEST», 12.10.2020.		
Patents and copyrights	<i>Title</i>		<i>Year</i>
Major publications over the past 5 years	1. Mechanisms for removing phosphorus species through sequential coagulation using inorganic coagulants and organic polymers. Journal Water Science and Technology. Volume 91, Issue 2, Pages 202-218; 15 January, 2025. ISSN 0273-1223, EISSN 1996-9732.		
Activity in specialized organizations for the last 5 years	Member of the International Water Association (IWA), Full Member (Academician) of the Academy of Pedagogical Sciences of the Republic of Kazakhstan, member of the Editorial Board. Boards of a number of scientific journals		

14.

Full name	Zhorabekova Ainur Nazimbekovna E-mail: ainur.zhorabekova@aezov.edu.kz SCOPUS 57218583969, https://orcid.org/0000-0003-2697-8077		
Position	PhD, Associate Professor Taught modules: Professionally Oriented Foreign Language		
Academic career	<i>Entry-level academic position</i> PhD Pedagogy and psychology Master Pedagogy and Psychology	<i>University</i> International Kazakh-Turkish University named after H.A.Yasavi, Turkestan M.Auezov South Kazakhstan State University, Shymkent	<i>Year</i> 2015 2006
Professional activity	Professional activity Lecturer, Senior Lecturer, Associate Professor, Head of the Department of "Foreign Language for Technical Specialties"	<i>Employer</i> M. Auezov South Kazakhstan University	<i>Period</i> 2000-2022 2022- to now
Research and development plans for the past 5 years	2022-2024 - Executor –AP19175630 Development of a system for the formation of meta-subject skills of primary school students in the context of STEM education (GF of young scientists on the project «Young scientist»); 2023-2024 - Executor – AP15473538 Gamification in English lessons in the educational process of primary school: motivation to learn a foreign language through digital games (GF of young scientists on the project «Young scientist»); 2023-2025 - Executor - AP19679648 Organization of volunteer activities to ensure a safe educational environment in the context of a healthy lifestyle for the youth of New Kazakhstan (GF MNVO RK).		
Collaboration in a branch for the past 5 years	Research internship: 2021 - Antalya Bilim University & Land of Legends Rixos within the framework of the project ABU TELP 2023 -Bringing Latest Research and Practical Ideas to EFLClassroom, M. Auezov SKU, Shymkent		
Patents and copyrights			<i>Year</i>
Major publications over the past 5 years	1. Almetov N., Zhorabekova A.*,Sagdullayev I., Abilhairova Zh.,Tulenova Kh. Engineering Education: Problems of Modernization in the Context of a Competence Approach. International Journal of Engineering Pedagogy. – Vol.10, Issue 6, Germany: Kassel University Press GmbH, 2021.-P. 7-20.CiteScore -2.0 (2020). Social Sciences: Education – 65. https://doi.org/10.3991/IJEP.V10I6.14043 2. Shakiyeva A., Zhorabekova A.*,AbilhairovaZh., Yessingaliyeva T., Makulbek A. Methodical system for formation of professional competences of a future foreign language teacher in conditions of distance learning. Frontiers in Education. - Vol. 8. – Switzerland: Frontiers Media S.A. – 2023. – P.1186908. Cite Score- 2.9 (2023). Social Sciences: Education – 62. https://doi.org/10.3389/feduc.2023.1186908 3. Yesnazar .A., Zhorabekova A., KalzhanovaA., Bayymbetova Zh., Almukhanbet Sh. Methodological system for formation of meta-subject skills of primary school students in the context of STEM education Frontiers in Education. - Vol. 9 – Switzerland: Frontiers Media S.A. – 2024. – P.1340361 Cite Score- 2.9 (2023). Social Sciences: Education – 62. https://doi.org/10.3389/feduc.2024.1340361 4. Duisenova M., Zhorabekova A. Effects of Rewards on Motivation and Student Achievement in Digital Game-based Learning in Teaching English as a Foreign Language for Primary School Students in Kazakhstan. Arab World English Journal. – Vol. 15(3). – Malaysia, 2024. – P. 125-141 (Web of Sciences: JCI LANGUAGE & LINGUISTICS - Q2) https://dx.doi.org/10.24093/awej/vol15no3.8		
Activity in specialized organizations for the last 5 years			