

Staff Handbook

Full Name	Yensepbayev Talgat Ablaevich		
Position	Head of department		
Academic career	Doctorate (Doctor of Geosciences)	PhD, University of Nancy-1, France	2004-2007 yy.
	Candidate of Geological and Mineralogical Sciences,	Competitor, State Academy of Oil and Gas Named after I.M. Gubkin (Moscow)	1988-1990 yy.
	Bachelor's degree (Geology and exploration of oil and gas fields, mining engineer-geologist,)	Moscow Institute of Petrochemical and Gas Industry	1976-1981 yy.
Work experience	Head Department of Geology of Oil and Gas of the Institute of Geology and Oil and Gas. K.Turysov KazNRTU named after K.I.Satpaev	01.06.2017	Till now
	Director of the Institute of Geology and Oil and Gas K.Turysov KazNRTU named after K.I.Satpaev	27.06.2016	31.05.2017
	Head of the department "Operation and maintenance of oil and gas fields" of the Institute of Geology and Oil and Gas. K.Turysova	01.09.2011	26.06.2016

	Director of the Oil and Gas Institute	17.09.2010	31.08.2011
	Director of the Department of Science and International Cooperation	01.03.2010	16.09.2010
	Director of the Department of Science	01.07.2008	30.02.2010
	Rector's Advisor	01.09.2007	30.06.2008
	Doctoral student at the University of Nancy-1, Nancy, France	24.02.2004	30.06.2007
	Director of the Oil and Gas Institute	24.04.2003	23.02.2004
	Director of the Institute of Geology and Oil and Gas Business	05.2000	23.04.2004
	Chief specialist for geological exploration and oil and gas industries of the Department of State Property and Privatization of the Ministry of Finance of the Republic of Kazakhstan	26.01.1998	28.02.2000
	Associate Professor of the Department of Geology of Oil and Gas	1991	1998
	Lecturer at the Department of Geology of Oil and Gas	1985	1991
	Engineer, Art. NICH engineer	1981	1985
Research and development projects for the last 5 years	Yensepbayev T.A. (scientific supervisor) Reconstruction of the thermobaric conditions of the evolution of underground resources based on studies of liquid inclusions in rock crystals of the Upper		

	Paleozoic deposits of the east of the Caspian syncline (topic 0689 / GF4, Grant. finance. MES RK 2015-2017, state registration number of the project 0115RK02029)		
Industry cooperation over the past 5 years	Name of the project "Tectonic and geodynamic analysis of PZ-PR deposits of the Akshabulak field" Partners of KGM		
Important publications in the last 5 years	<ol style="list-style-type: none"> 1. Zdorovets, M.V., Kozlovskiy, A.L., Abyshev, B., и Т.А., Uzbekgaliyev, R.U., Shlimas, D.I. Study of Phase Formation Processes in Li₂ZrO₃ Ceramics Obtained by Mechanochemical Synthesis Crystals 12(1),21, 2022. 2. Turgazinov, I.K., Yensepbayev, T.A. Numerical simulation of high viscous oil recovery by low-salinity water injection. Journal of Engineering and Applied Sciences. Volume 13, Issue 9, 2018, Pages 2780-2785 (Scopus database). 3. Yskak, A.S., Abdeli, D.Z., Yensepbayev T.A., Imansakipova Z.B., Assabayeva Z.K. Water shut off technology in the bottom hole of the oil well. Pollution Research, Volume 36, Issue 4, 2017, Pages 964-971 (Scopus database). 4. Yensepbayev T., Yeskozha B., Aimagambetov M., Amanzhol K., Bazarkhan K. and Ten V. Paleotemperature and Paleopressure of the Paleozoic rocks of the eastern and southeastern parts of Precaspian basin and the Sakmara zone of Southern Urals based on the study of gas-water inclusions. International workshop «Basins and Resources» 13-15 November 2019 – Vandoeuvre les Nancy, France. 5. Yensepbayev T.A., Kenzhaliev B.K., Zholtaev G.Zh., Aimagambetov M., Abylai N. Interpretation of logging data and geological modeling for the reconstruction of the thermal evolution of the east of the Caspian Basin. Conf. European Association of Geoscientists and Engineers “Engineering and Ore Geophysics 2018”. – Almaty, April 23-26, 2018, Report 46555 (Scopus database) 6. Yensepbayev, T., Zholtaev G. Topaev, S., Satybaldinov, Zh. and Akhmetova G. The thermometric study of gas-water inclusions of the Paleozoic rocks of the Caspian basin and the Sakmara zone of Mugodzhar. European current research on fluid inclusions (ECROFI), 23-29 June 2017, Nancy, France. 7. I.K. Turgazinov, T.A. Yensepbayev, A. Mukanov. Review of the application of nitrogen as a method of enhanced oil recovery. Bulletin of KazNITU No. 2, 2017. pp. 132-138. 8. I.K. Turgazinov, T.A. Yensepbayev, I. Panfilova "Review of the use of low-mineralized water as an agent for increasing oil recovery" Bulletin of KazNITU No. 4, 2017. pp. 214-219. 9. Bazarkhan K., Duisenov I., Yensepbayev T.A., Granovskaya N.V. Thermobaric conditions for the evolution of underground resources based on the study of liquid inclusions of the Upper Paleozoic rocks of the Ural foredeep and the Sakmara Mugodzhar zone. Int. Satpaev. Reading "Innov. Traditional solutions. Problems of engineering and technology", Almaty, April 12, 2018. 		
	Organization	Role	Period

Activity in specialized bodies for the last 5 years	National Academy of Sciences of the Republic of Kazakhstan.	Corresponding member	since 2017 y
	Student department coordinator	Member of the AAPG	2002, 2009, 2016 y
	EAGE	Member of the EAGE	2012 - Till now
	SPE	Member of the SPE	2002 y – 2020 y

Full Name	Dzharasova Tolganai Sovetkanovna		
Position	Senior Lecturer of the Department of Hydrogeology, Engineering and Petroleum Geology		
Academic career	Initial academic appointment	Institute	Year
	PhD, Geology	Akdeniz University, Turkey	2016-2020
	MSc, Oil and gas business	KBTU	2013-2015
	Bch, Oil and gas business	KBTU	2009-2013
Work experience	Position	Employer	Period
	Senior Lecturer	Satbayev University	2021- Till now
	Lecturer	Satbayev University	2020-2021
	Junior Researcher	Satbayev University	09.2020-12.2020
	Engineer	KBTU	2013-2015
Important publications in the last 5 years	<p>1. T.Jarassova, M.Altunsoy. Organic Geochemical Characteristics of Core Samples from Central Primorsk-Emba Province, Precaspian Basin, Kazakhstan. SPE Virtual Annual Caspian Technical Conference 5 - 7 Oct 2021</p> <p>2. Dzharasova T.S., Eremin N.A. Application of Smart Wells. Proceedings of the Satpaev Readings "Satpaev Readings-2021", Almaty: KazNRTU named after Satpaev, 2021;</p> <p>3. Zhamalov A.K., Dzharasova T.S. Adsorption method for the preparation of petroleum gas. Proceedings of the Satpayev Readings "Satpayev Readings-2021", Almaty: KazNRTU named after Satpayev, 2021;</p> <p>4. Jarassova T., Eremin N. (2020). Types of Smart Wells. Journal of Scientific and Engineering Research, 7 (2): 299-304;</p>		

Full name	Nigmatova Saida Arapovna		
Position	Assistant professor		
Academic career	Bachelor degree	Kazakh State University named after Al-Farabi, Faculty of Biology	1987-1992 yy.
	Candidate of Biological Sciences (Ph.D)		1998 y.
	Doctor of geological and mineralogical sciences		2010 y.
Work experience	<p>2012 – until now - Head of the laboratory of mesozoic and cenozoic geology of the Institute of geological sciences. K.I. Satpaeva (IGS),</p> <p>2007-2012 - Scientific secretary of IGS named K.I. Satpaeva,</p> <p>2002–2007 – senior researcher, head of the political science group of the IGS</p> <p>2000-2002 - Researcher at the Laboratory of Higher Plant Flora of the Institute of Botany and Phytointroduction of the Ministry of Education and Science of the Republic of Kazakhstan (IBP)</p> <p>1995-2000 – junior researcher at IBP</p> <p>1992-1995 – postgraduate of IBP</p>		
Research and development projects for the last 5 years	Grant project APO5134621 "Comprehensive study of the reference stratigraphic sections of the Cenozoic of South-Eastern Kazakhstan for the development of an improved stratigraphic scheme of sedimentary deposits of Central Asia" (2018-2020) - scientific supervisor		
Industry cooperation over the past 5 years	Grant of the Committee of Science of the Ministry of Education and Science of the Republic of Kazakhstan "Changes in climate and water level of Lake Balkhash over the past 10,000 years based on the analysis of core samples from the sediments of the Uzunaral Strait and the Saryesik Peninsula to predict short-term and long-term natural and anthropogenic changes in the arid zones of Central Asia" (2015 - 2017) - scientific supervisor		
Important publications in the last 5 years	<p>1. Nigmatova S.A., Bayshashov B.U., Zhamangara A.K., Lucas S.G., Bayadilov K.O., Kasymkhankyzy A. «The new data on biostratigraphy of the basic geological section of the continental Cenozoic deposits of Aktau mountains (South-East Kazakhstan, Ili basin)» Proceedings of the National Academy of Sciences of the Republic of Kazakhstan ser. Geology and Engineering Sciences, No. 5, 2018, pp. 150-162</p> <p>2. S.A. Nigmatova, A. A. Kosenko, S. Dzhumanov, A. B. Usipova, B. Shermakhan Karatau Jurassic Lake: the current state of the unique location of fossil flora and fauna // Proceedings of the National</p>		

- Academy of Sciences of the Republic of Kazakhstan, ser. geology and technical sciences . - No. 3. 2017 - P. 10 – 23
3. Tobias Sprafke, K.E. Fitzsimmons, Christoph Grützner, Austin Elliot, Laurent Marquer and Saida Nigmatova Reevaluation of Late Pleistocene loess profiles at Remizovka (Kazakhstan) indicates the significance of topography in evaluating terrestrial paleoclimate records// Quaternary Research – 2018 - 89, P - 674-690.
 4. Canyons of the charyn river (South-East Kazakhstan): Geological history and geotourism Nigmatova, S., Zhamangara, A., Bayshashov, B., ...Akmagambet, S., Berdenov, Z. Geojournal of Tourism and Geosites [this link is disabled](#), 2021, 34(1), P. 102–111
 5. Types, distribution and perspectives of Paleogene and Neogene alluvial gold in West-Kalba gold-bearing district (East Kazakhstan) | TYPES, LOCATION AND PROSPECTS OF PALEOGENIC AND NEOGENE GOLD PLACERS IN WEST-KALBA GOLD-BEARING REGION (EAST KAZAKHSTAN) Tretyakov, A.V., Nigmatova, S.A., Gabitova, U.B. Bulletin of the Tomsk Polytechnic University, Geo Assets Engineering [this link is disabled](#), 2020, 331(4), pp. 156–169
 6. Reevaluation of Late Pleistocene loess profiles at Remizovka (Kazakhstan) indicates the significance of topography in evaluating terrestrial paleoclimate records Sprafke, T., Fitzsimmons, K.E., Grützner, C., ...Marquer, L., Nigmatova, S. Quaternary Research (United States) [this link is disabled](#), 2018, 89(3), P. 674–691
 7. The basic regularities of localization of paleogene-neogenic kalba placer deposits (Eastern kazakhstan) The basic regularities of localization of paleogene-neogenic kalba placer deposits (Eastern kazakhstan) Tretyakov, A.V., Nigmatova, S.A., Gabitova, U.B. News of the National Academy of Sciences of the Republic of Kazakhstan, Series of Geology and Technical Sciences [this link is disabled](#), 2018, 6(432), p. 221–227
 8. The new data on biostratigraphy of the basic geological section of the continental cenozoic deposits of Aktau mountains (South-East Kazakhstan, Ili basin) Nigmatova, S.A., Bayshashov, B.U., Zhamangara, A.K., ...Bayadilov, K.O., Kasymkhankyzy, A. News of the National Academy of Sciences of the Republic of Kazakhstan, Series of Geology and Technical Sciences [this link is disabled](#), 2018, 5(431), p. 150–162
 9. Oil shale of south-torgay oil and gas basin Popov, V.A., Ozdoev, S.M., Kuznetsova, L.L., Nigmatova, S.A., Kasymkhankyzy, A. News of the National Academy of Sciences of the Republic of Kazakhstan, Series of Geology and Technical Sciences [this link is disabled](#), 2017, 6(426), p. 5–17
 10. Jurassic lake of karatau: The present state of the unique location of the fossil flora and fauna Nigmatova, S.A., Kosenko, A.A., Dzhumanov, S., Usipova, A.B., Shermahan, B. News of the National Academy of Sciences of the Republic of Kazakhstan, Series of Geology and Technical Sciences [this link is disabled](#), 2017, 3(423), p. 10–23

Full name	Uzbekgaliev Rizakhan Khalelovich		
Position	Special disciplines in the field of oil and gas geology; senior lecturer		
Academic career	Initial academic appointment	Institute	Year
	Candidate of Geological and Mineralogical Sciences	Moscow Petroleum Institute named after I.M. Gubkin	1988-1991
	Mining engineer-geologist. Specialty: Geology and exploration of oil and gas fields.	Kazakh Polytechnic Institute	1978-1983
Work experience	Position	Name of the organization	Period
	Senior lecturer	Kazakh National Research Technical University	2015 – Till now
	Business manager	TC MIRA LLP	2009-2015
	Director. Deputy of director	LAS LLP	2009-1999
	Senior manager, expert of the geological part of the projects	JP «Alau»	1999-1993
	Chief oil specialist	South Kazakhstan Department for the protection and on use of bowels	1993-1993
	Manager	KRAMD Corporation - petroleum bitumen	1992-1993
	Junior Research Fellow Engineer	Kazakh Polytechnic Institute	1983-1987
	Operator-collector	Kamyshinskoye Drilling Department	1981-1981
Industry cooperation over the past 5 years	The contractual theme with Kazgermunai "Tectonic and geodynamic analysis of PZ-PR deposits of the Akshabulak field" (2020) - Leading Researcher		
Important publications in the last 5 years	Yensepbayev T.A., Zdorovets, M.V., Kozlovskiy, A.L., Aбышев, B., Uzbekgaliyev, R.U., Shlimas, D.I. Study of Phase Formation Processes in Li ₂ ZrO ₃ Ceramics Obtained by Mechanochemical Synthesis Crystals 12(1),21, 2022.		

Full name	Zholtaev Gheroy Zholtaevich		
Position	Professor		
Academic career	Geology and exploration of oil and gas fields, mining engineer-geologist	Kazakh Polytechnic Institute named after V.I. Lenin	1957-1962y.

Work experience	<p>Professor of the Department of Geology of Oil and Gas Director Kanysh Satpayev Institute of Geological Sciences</p> <p>Head of department Geology of oil and gas KazNTU named after K.I.Satpaev</p> <p>Director of the Institute of Geology of Oil and Gas KazNTU named after K.I. Satpaev</p> <p>Head of department Geology of oil and gas KazNTU named after K.I.Satpaev</p> <p>Vice-Rector for Research and International Relations, Kazakh National Technical University named after Kanysh Satpayev</p> <p>Head of the Department of Geology of Oil and Gas, Kazakh Polytechnic Institute named after V.I. Lenin</p> <p>Dean of the Faculty of Petroleum, Algiers Institute of Oil, Gas and Chemistry Professor, Kazakh Polytechnic Institute named after V.I. Lenin</p> <p>Deputy Dean of the Faculty of Petroleum</p> <p>Associate Professor of the Department of Geology of Oil and Gas, Scientific Secretary of the Council, Kazakh Polytechnic Institute named after V.I. Lenin</p> <p>Lecturer, postgraduate student, Kazakh Polytechnic Institute named after V.I. Lenin</p>	<p>2017 y.</p> <p>2011 y.</p> <p>2010 y.</p> <p>2003 y.</p> <p>1999 y.</p> <p>1993 y.</p> <p>1980 y.</p> <p>1974 y.</p> <p>1966y.</p> <p>1963y.</p>	<p>Until now</p> <p>2017 y.</p> <p>2011 y.</p> <p>2010 y.</p> <p>2003 y.</p> <p>1999 y.</p> <p>1992 y.</p> <p>1978 y.</p> <p>1974y.</p> <p>1966y.</p>
Industry cooperation over the past 5 years	- Project "Oil recovery factor, carried out by Ministry of Energy the Republic Kazakhstan;		

	<p>- Project under the Grant of the Ministry of Education and Science of the Republic of Kazakhstan "Problems of oil formation geology" together with Yensepbaev T.A.</p>
<p>Important publications in the last 5 years</p>	<ol style="list-style-type: none"> 1. IMPROVEMENT OF HYDRAULIC FACING METHOD TO INCREASE WELLS PRODUCTIVITY Mashrapova, M.A., Zholtayev, G.Z., Abdeli, D.Z., Ozdoyev, M.O., Togizov, K.S. 2021 News of the National Academy of Sciences of the Republic of Kazakhstan, Series of Geology and Technical Sciences 4(448), p. 124-129 2. INVESTIGATION OF DRAINAGE MECHANISM OF OIL FROM PORES OF OIL SATURATED ROCKS USING NITROGEN AT THE LABORATORY CONDITION Tileuberdi, N., Zholtayev, G.Z.H., Abdeli, D.Zh., Ozdoyev, S.M. 2021 News of the National Academy of Sciences of the Republic of Kazakhstan, Series of Geology and Technical Sciences 5(449), p. 146-152 3. Perspective directions of searching of deposits of hydrocarbon raw materials in the syrdarya sedimentary basin with the account of the latest data Mussina, E., Zholtayev, G.Zh., Fazylov, E.M. 2020 International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM 2020-August(1.1), p. 213-219 4. Prospects for discovering new unconventional hydrocarbon deposits in the caspian sedimentary basin (Shale oil and gas) Zholtayev, G.Z., Mussina, E.S., Fazylov, E.M., Aliakbar, M. 2019 International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM 19(1.1), p. 465-474 5. Togizov K.S., Zholtayev G., Isaeva L.D. The role of three-dimensional models of deposit and thermodynamic conditions of its formation at selecting and evaluating resources of perspective sites//News of the National Academy of sciences of the Republic of Kazakhstan. Series of Geology and Technical Sciences. Number 4, 2019, p. 169 Scopus (IF 0, 14) 6. Zamzagul T. Umarbekova, Geroy Zh. Zholtayev, Bakytzhan B. Amralinova and Indira E. Mataibaeva. Silver Halides in the Hypergene Zone of the Arkharly Gold Deposit as Indicators of their Formation in Dry and Hot Climate (Dzungar Alatau, Kazakhstan)// International Journal of Engineering Research and Technology. ISSN 0974-3154, Volume 13, Number 1 (2020), pp. 181-190 (Scopus) 7. Zholtayev G. Zh., Musina E. S., Fazylov E. M. Assessment of the prospects of the Tekes-Karkara sedimentary basin for the identification of industrial deposits of oil shale / / Geology and protection of mineral resources No. 2 2020, p. 4 (RSCI) 8. Geroy Zholtayev, Sofiya Biteuova, Gulmira Yermekbaeva. Paleozoic sediments as promising direction for hydrocarbon exploration in the south of the Turanian platform////International Scientific GeoConferenz SGEM 2020, 16-25August, Albena Co, Bulgaria. (Scopus IF 0,139) 9. Elmira Mussina, G.Zh Zholtayev, E. M. Fazylov. Perspective directions of searching of deposits of hydrocarbon raw materials in the syrdarya sedimentary basin with the account of the latest

	<p>data//International Scientific GeoConferenz SGEM 2020, 16-25August, Albena Co, Bulgaria. (Scopus IF 0,139)</p> <p>10. Aitbek Akhmetzhanov, Geroy Zholtayev, Abdelkader Djeddou, Gauhar Akhmetzhanova, Bauyrzhan Oraz. Post salt trapping mechanism of south east Pre Caspian and its application to petroleum exploration//Journal of Petroleum Exploration and Production Technology, 09, August 2020</p> <p>11. G. Zh. Zholtaev, R. B. Abuev, G. A. Akhmetzhanova, B, B. Oraz. Reservoir properties and petrophysical parameters of terrigenous-carbonate reservoirs in the southeast of the Caspian depression // Karotazhnik No. 3, 2020</p>
Activities in specialized bodies over the past 5 years	Academician of the National Engineering Academy of the Republic of Kazakhstan; International Engineering Academy; International Academy of Informatization; International Academy of Mineral Resources; Academician of Mineral Resources of the Republic of Kazakhstan

Full name	Smabaeva Raigul Kulbekovna		
Position	Senior lecturer		
Academic career	Doctor PhD Geology and Exploration MPI	Kazakh National Technical University, Institute of Geology and Oil and Gas Affairs, GIMPI	2012-2015
	master of oil and gas business	Kazakh National Technical University, Faculty of Petroleum, Geology of oil and gas, master's degree	1999-2000
	mining engineer-geologist	Kazakh National Technical University, Faculty of Petroleum	1994-1999

Work experience	General manager Representative office "Yuzhkazgeoinform" Almaty, Abay 191	15.01.2018	15.11.2019
	General manager Representative office "Yuzhkazgeoinform" Almaty, Abay 191	01.08.2016	09.11.2017
	Lecturer. Kazakh National Research Technical University, Almaty, Satpaeva 22	01.08.2015	01.08.2016
	Doctorate. Kazakh National Research Technical University Almaty, Satpaev 22	01.08.2012	01.08.2015
	Senior Lecturer Kazakh National Research Technical University Almaty, Satpaev 22	01.08.2006	01.08.2012
	Lecturer Kazakh National Research Technical University Almaty, Satpaev 22	01.10.2000	01.09.2006
Important publications in the last 5 years	Scientific papers for the last 3 years - 13 scientific papers, of which 5 in journals recommended by the KKSON MES RK, 1 in the SCOPUS database, 7 publications at international conferences.		

Full name	Tanirbergenov Amanzhol Gizzatovich		
Position	assistant professor		
Academic career	Initial academic appointment	Institute	Year
	Candidate of Physical and Mathematical Sciences	Academy of Sciences of the Kazakh SSR, Institute of Seismology	1994
	Associate Professor in the specialty 25.04.00 – “Mineral Development”	Kazakh National Technical University	2009
	Assistant professor of the department “Hydrogeology, engineering and oil and gas geology”	Kazakh National Research Technical University	2019 Until now
	Senior lecturer, associate professor, associate professor, assistant professor.	Kazakh National Research Technical University	2001 - 2009

	Engineer, junior researcher, researcher, senior researcher.	Institute of Seismology, Institute of Mechanics and Engineering Science of the National Academy of Sciences of the Republic of Kazakhstan	1982 - 2000
	Student	Moscow State University M.V. Lomonosov	1976 - 1982
Work experience	Position	Name of the organization	Period
	associate professor of Petroleum Engineering and OGG	Kazakh National Research Technical University	2010 - 2018
	assistant professor of the department "Hydrogeology, engineering and oil and gas geology"	Kazakh National Research Technical University	2019-2022
Important publications in the last 5 years	1. A. Baimukhametov, A. Egorov, K. Koksalov, N. Martynov, M. Baimukhametov, Tanirbergenov A.G. Driving mechanisms of deep geodynamic processes// Short Talk with Poster presentation during ICTAM 2016, which will take place in Montréal, Canada from August 21-26, 2016.		
	2. Baimukhametov A.A., Egorov A. K., Koksalov K.K., Martynov N.I., Baimukhametov M.A., Tanirbergenov A.G. Mechanic-mathematical modeling of deep-level geodynamics// Proceedings of the III International Scientific and Practical Conference "Mathematical Modeling of Mathematical Systems and Physical Processes", dedicated to the 75th anniversary of Academician of the NIA RK, Professor Gakhip Ualiyev, Almaty, November 18-19, 2016.		
	3. Monograph co-authored "Mathematical modeling of salt domes in the earth's crust", Publishing house of RSE "Gylym Ordasy", Almaty, 2017, 241p.		
	4. Tanirbergenov A.G., Atakhan E.E. Study of the process of formation of salt dome structures depending on the boundary conditions // Proceedings of the Satpayev Readings Innovative technologies are the key to the successful solution of fundamental and applied problems in the ore and oil and gas sectors of the economy of the Republic of Kazakhstan, Volume I - Almaty, 2019.		
	5. Dzheksenbaev E.K., Kystaubayev S.B., Tanirbergenov A.G. Modeling the process of formation of salt domes as natural oil and gas storages// Vestnik KazATK No. 4, 2020.		