

Staff Handbook

Name	<i>Rano Tukhtayeva</i>		
Post	Teaching area: <i>Humanitarian</i> Designation: <i>History</i>		
Academic career	<i>Teacher of the Department of History of Uzbekistan</i> <i>Karshi State University</i> 2012 <i>Senior Teacher of the Department of History of Uzbekistan</i> <i>Karshi State University</i> 2022 <i>Associate professor of the Department of History of Uzbekistan</i> <i>Karshi State University</i> 2022 <i>Associate professor of the Department of History of Uzbekistan</i> <i>Karshi State University</i> 2023		
Employment	Position <i>Associate professor</i>	Employer <i>The Department of History of Uzbekistan, Karshi State University</i>	Period 2023
Research and development projects over the last 5 years	<i>Not applicable</i>		
Industry collaborations over the last 5 years	<i>Not applicable</i>		
Patents and proprietary rights	<i>Not applicable</i>		
Important publications over the last 5 years	“O`zbekistonda moliya siyosati va uning ijtimoiy-istisodiy hayotga ta`siri (1917-1991 yy.)”. Monografiya. “Intellect” nashriyoti. Toshkent 2023. 215 bet. (in Uzbek) Mo`minova G., To`xtayeva R.N. O`zbekiston tarixi. O`quv qo`llanma. “Qarshi davlat universiteti” nashriyoti. 2023. 244 bet. (in Uzbek)</p> <p>1. To`xtayeva R.N. (2023). O`zbekistonda ikkinchi jahon urushidan keyingi iqtisodiy siyosat. O`tmishga nazar. – Toshkent, Maxsus son, B. 154-159. (in Uzbek) 2. To`xtayeva R.N. (2023). O`zbekistonda moliya ishidagi muammo va		

	kamchiliklar. Xorazm Ma'mun akademiyasi axborotnomasi. – Urganch, 1-2-sonlar, B. 341-343. (in Uzbek) 3. To'xtayeva R.N. (2023). XX-asrning 50-yillarida O'zbekistonda moliya sohasida amalga oshirilgan tadbirlar. Xorazm Ma'mun akademiyasi axborotnomasi. – Urganch, 5-3-sonlar, B. 121-125. (in Uzbek) 4. To'xtayeva R.N. (2023). Turkistonda moliya kadrlarini tayyorlash holati. QarDU xabarlar. – Qarshi, 2-2-sonlar, B.59-62. (in Uzbek) 5. To'xtayeva R.N. (2023). O'zbekistonda moliya sohasida amalga oshirilgan islohotlar tahlili. Sohibqiron yulduzi. – Toshkent, 3-son, B. 272-275. (in Uzbek)		
Activities in specialist bodies over the last 5 years	Organisation:	Role:	Period:
	<i>Sohibqiron yulduzlari.</i>	<i>Journal OAK</i>	

Staff Handbook

Name	<i>Murodov Shuhrat Daliyevich</i>		
Post	English English teacher		
Academic career	<i>Initial academic appointment</i> <i>Karshi State</i> <i>2019</i> <i>Habilitation</i> <i>University</i> <i>Doctorate</i> <i>Undergraduate degree</i>		
Employment	Position: <i>Teacher of the Interfaculty Department of English</i>	Employer: <i>Krashi state university, Faculty of Foreign Languages</i>	Period: <i>2019-present</i>
Research and development projects over the last 5 years	Name of project or research focus: Period and any other information: Partners, if applicable: Amount of financing :		
Industry collaborations over the last 5 years	-		
Patents and proprietary rights	-		
Important publications over the last 5 years	<i>Selected recent publications from a total of approx.</i> <i>Selected from 5+ publications (2019-2025):</i> 1. Murodov Shukhrat. <i>Enhancing Listening Skills in ESL Learners: Effective Strategies and Pedagogical Approaches.</i> <i>Excellencia: International Multi-Disciplinary Journal of Education</i> , 2025, Vol. 3, Issue 5. ISSN (E): 2994-9521. https://multijournals.org/index.php/excellencia-imje https://multijournals.org/index.php/excellencia-imje/article/view/3476 2. Murodov Sh. <i>Utilizing Reading Strategies in English Instruction: Boosting Understanding and Student Involvement.</i> <i>International Journal of Formal Education</i> , 2025, vol. 4, no. 6. ISSN: 2720-6874. http://journals.academiczone.net/index.php/ijfe https://journals.academiczone.net/index.php/ijfe/article/view/5314 3. Shuhrat Murodov. (2025, 30-noyabr). <i>Theoretical Basis of the</i>		

	<i>Translation of Realia: A Cultural Semiotics Approach. Til va adabiyot.uz – Ilmiy-metodik elektron jurnal</i>, 20(66). Karshi State University, Uzbekistan. ISSN 2021-9752. E-mail: tilvaadabiyotuz@gmail.com. URL: https://oak.uz/pages/4802 4. Shuhrat Murodov. (2025, 15-dekabr). <i>How to Teach Present Perfect Effectively. Til va adabiyot.uz – Ilmiy-metodik elektron jurnal</i>, 21(67). Karshi State University, Uzbekistan. ISSN 2021-9752. E-mail: tilvaadabiyotuz@gmail.com. URL: https://oak.uz/pages/4802		
Activities in specialist bodies over the last 5 years	Organisation:	Role:	Period:
	-	-	-

Staff Handbook

Name	<i>Shodiyev Sadulla Yusupovich</i>		
Post	<i>Teaching area: Algebra, Linear Algebra and Analytic Geometry, Polynomial theory</i> Designation: Associate Professor at the Department of Algebra and Geometry		
Academic career	<i>Initial academic appointment</i> <i>Senior Lecturer</i> <i>Associate Professor of the Department of Algebra and Geometry</i>	<i>Karshi State University</i> <i>Karshi State University</i> <i>Karshi State University</i>	<i>1995</i> <i>2001</i> <i>2024</i>
Employment	Position: Associate Professor at the Department of Algebra and Geometry	Employer: Krashi state university, Faculty of Mathematics and Computer Science	Period: 2024-present
Research and development projects over the last 5 years	Name of project or research focus: Period and any other information: Partners, if applicable: Amount of financing :		
Industry collaborations over the last 5 years	<i>My recent work has focused primarily on academic research and theoretical developments, with no formal industry collaborations to date</i>		
Patents and proprietary rights	<i>My research has primarily focused on theoretical developments without resulting in patents or proprietary right</i>		
Important publications over the last 5 years	<i>Selected recent publications from a total of approx.</i> <i>Selected from 20+ publications (2020-2025):</i> 1. Bakhtiyar Khudayarov, Fozilzhon Turaev, Valizhon Vakhobov, Otabek Gulamov, Sa'dulla Shodiyev. Dynamic stability and vibrations of thin-walled structures considering heredity properties of the material. IOP Conference Series: Materials Science and Engineering, 2020 869(5). https://iopscience.iop.org/article/10.1088/1757-899X/869/5/052021 2. B. M. Kholbaev;M. A. Bobomurodova;E. Sharipov; S. Shodiev; A. Norchaev; B. M. Saidov. Research and technical solutions to reduce anthropogenic load on water bodies using new generation irrigation systems. Research and technical solutions to reduce anthropogenic load on water bodies using new generation irrigation systems AIP Conference		

	Proceedings / AIP Publishing 3. Shodiyev S., Yusupova S., Maxmasalayeva Z. Simmetrik ko'phadlar yordamida ba'zi nostandart masalalarni yechish. Mugallim xem uzliksiz bilimlendiriu jurnali, № 4/1, 2025, 161-166 betlar 4. Shodiyev S., Uraimova D. Ehtimollar nazariyasini o'qitishda raqamli texnologiyalardan foydalanish usullari. Zamonaviy ta'lim jurnali, № 9(154) 2025, 20-27 betlar.		
Activities in specialist bodies over the last 5 years	Organisation:	Role:	Period:

Staff Handbook

Name	<i>Klicheva Firuza Gulmuratovna</i>		
Post	Teaching area: <i>Algorithmic languages and programming, Artificial intelligence and neural network technology, Programming technologies</i> Designation: <i>Lecturer, Department of Applied Mathematics</i>		
Academic career	<i>Student</i> <i>Master's student</i> <i>Teacher</i> <i>Teacher</i> <i>Lecturer of the Department of Applied Mathematics and Informatics</i> <i>Lecturer of the Department of Applied Mathematics</i>	<i>Karshi State University</i> <i>Karshi State University</i> <i>Karshi Pedagogical College</i> <i>11- specialized school</i> <i>Karshi State University</i> <i>Karshi State University</i>	2006 2010 2011 2012 2013 2018
Employment	Designation: <i>Lecturer of the Department of Applied Mathematics</i>	Employer: <i>Krashi state university, Faculty of Mathematics and Computer Science</i>	Period: <i>2018-present</i>
Research and development projects over the last 5 years	Name of project or research focus: <i>Breast cancer diagnostic tools based on digital mammography</i> Period and any other information: 2025-2026 Partners, if applicable: <i>not applicable</i> Amount of financing : \$80000		
Industry collaborations over the last 5 years	<i>My recent work has focused primarily on academic research and theoretical developments, with no formal industry collaborations to date</i>		
Patents and proprietary rights	<i>My research has primarily focused on theoretical developments without resulting in patents or proprietary right</i>		
Important publications over the last 5 years	<i>Selected recent publications from a total of approx.</i> <i>Selected from 20+ publications (2020-2025):</i> 1. Djabbarov O.R., Eshboyev A.E., Klichiva F.G., Shodiyev F.Y., Shonazarov U.N. Modeling multi-component heat transfer processes in multi-dimensional domains		

	https://www.scopus.com/pages/publications/105017640461?origin=resultslist 2. Klicheva, F. G.. <i>Application of particle swarm optimization algorithm in medical diagnostics.IJARSET Journal</i>. Vol. 11, Issue 11, November 2024. ISSN: 2350-0328. http://www.ijarset.com/volume-11-issue-11.html
Activities in specialist bodies over the last 5 years	

Name	Xamrayev Axror Yusupovich		
Post	Teaching area: Functional Analysis, Mathematical Analysis, Operator Theory, Complex Analysis Designation: Senior Lecturer at the Department of Mathematical Analysis and Differential Equations, Doctor of Philosophy in Physical and Mathematical Sciences (PhD).		
Academic career	Undergraduate degree (Mathematics)	Samarkand State University	(1990-1994)
	Teacher at the Department of Mathematical Analysis	Karshi State University	(1994-2006)
	Teacher	Tashkent University of Information Technologies, Karshi Branch	(2006-2014)
	Senior Lecturer at the Department of Mathematical Analysis and Differential Equations	Karshi State University	(2014-present)
Employment	Position: Senior Lecturer at the Department of Mathematical Analysis and Differential Equations	Employer: Krashi state university, Faculty of Mathematics and Computer Science	Period: 2014-present
Research and development projects over the last 5 years	Name of project or research focus: Concrete Dynamical Systems with Continuous and Discrete Time, Spectra of Partial Integral Operators; Dynamics of Cubic Stochastic Operators and Their Applications. Period and any other information: 2017-2020; 2025-2027; Partners, if applicable: not applicable Amount of financing : \$30,000 \$100,000		
Industry collaborations over the last 5 years	My recent work has focused primarily on academic research and theoretical developments, with no formal industry collaborations to date		
Patents and proprietary rights	My research has primarily focused on theoretical developments without resulting in patents or proprietary right		
Important publications over the last 5 years	Selected recent publications from a total of approx. Selected from 20+ publications (2020-2025):		

	1. Khamrayev A.Yu. O kubicheskix operatorax volterovskogo tipa //Uzbek Mathematical Journal. Vol 2, Issue 2, 2025. 2. Khamrayev A.Yu. The dynamics of a separable cubic operator, Uz. Math. Jour, Vol 68, Issue 2, pp. 21. 2024, https://doi.org/10.29229/uzmj.2024-2-3 . 3. Khamrayev A.Yu. On the Dynamics of a Quasi-Strictly Non-Volterra Cubic Stochastic Operator // Journal of Contemporary Applied Mathematics V. 15, No 1, 2025, June ISSN 2222-5498, E-ISSN 3006-3183 https://doi.org/10.62476/jcam.151.1.						
Activities in specialist bodies over the last 5 years	<table><tr><th>Organisation:</th><th>Role:</th><th>Period:</th></tr><tr><td>Scientific council awarding scientific degree Karshi State University</td><td>Scientific secretary PhD.03/30.06.2020.FM.70.04</td><td>2022-present</td></tr></table>	Organisation:	Role:	Period:	Scientific council awarding scientific degree Karshi State University	Scientific secretary PhD.03/30.06.2020.FM.70.04	2022-present
Organisation:	Role:	Period:					
Scientific council awarding scientific degree Karshi State University	Scientific secretary PhD.03/30.06.2020.FM.70.04	2022-present					

Name	<i>Oybek Xurramov Shermamatovich</i>		
Post	Teaching area: Practicum in Elementary Geometry, Analytic geometry, Applied Mathematics, Probability Theory and Mathematical Statistics Designation: Lecturer in the Department of Algebra and Geometry		
Academic career	<i>Undergraduate degree (Mathematics)</i> <i>Master's Degree (Mathematics)</i> <i>Lecturer</i>	<i>Karshi State University</i> <i>Karshi State University</i> <i>Karshi State University</i>	<i>2015</i> <i>2019</i> <i>2021</i>
Employment	Position: Lecturer in the Department of Algebra and Geometry	Employer: <i>Krashi state university, Faculty of Mathematics and Computer Science</i>	Period: <i>2021-present</i>
Research and development projects over the last 5 years	No participation in research and development projects during the last 5 years		
Industry collaborations over the last 5 years	<i>My recent work has focused primarily on academic research and theoretical developments, with no formal industry collaborations to date</i>		
Patents and proprietary rights	1. Title: " Program created for electronic computing machines. Certificate of the Intellectual Property Agency of the Republic of Uzbekistan" (Discrete mathematics and mathematical logic) Registration Number: №DGU 30105 Date: 29.11.2023 . Right Holder: Xurramov Oybek Shermamatovich Issuing Authority: Registered in the State Register of Software Products of the Republic of Uzbekistan on November 29, 2023. 2.Title: " Program created for electronic computing machines. Certificate of the Intellectual Property Agency of the Republic of Uzbekistan" (Higher mathematics.) Registration Number: №DGU 30105 Date: 27.12.2024 . Right Holder: Xurramov Oybek Shermamatovich Issuing Authority: Registered in the State Register of Software Products of the Republic of Uzbekistan on December 27, 2024. 3.Title: " Program created for electronic computing machines. Certificate of the Intellectual Property Agency of the Republic of Uzbekistan" (Higher mathematics.) Registration Number: №DGU 30105		

	Date: 27.12.2024 . Right Holder: Xurramov Oybek Shermamatovich Issuing Authority: Registered in the State Register of Software Products of the Republic of Uzbekistan on December 27, 2024.
Important publications over the last 5 years	<i>Selected recent publications from a total of approx.</i> <i>Selected from 10+ publications (2020-2025):</i> 1.Haustova Natalia, Moiseeva Svetlana, Pakulova Ekatering. Algorithm for Calculating the Stationary Probability Distribution of a System $M_2 1 (N_1, N_2)$ with Priorities https://www.scopus.com/pages/publications/105005478211?origin=resultslist 2.International Journal of Engineering Mathematics Theory and Application 2023. № 68-74 bet. https://iejemta.com/index.php/em/article/view/51/51 3.World Bulletin of Education and Learning (WBEL) 2025-yil. 12-son № 788-791 bet. https://worldbulletin.org/index.php/1/article/view/176/187
Activities in specialist bodies over the last 5 years	No activities in specialist bodies during the last 5 years”

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Name	<i>Xamrayeva Malika Gayrat qizi</i>		
Post	Teaching area: <i>Humanities</i> Designation: <i>Russian language and literature</i>		
Academic career	<i>Master's degree</i> <i>Bachelor's degree in Russian language and literature</i>	<i>Karshi State University</i> <i>Karshi State University</i>	<i>2019</i> <i>2015</i>
Employment	Position <i>Lecturer</i>	Employer <i>Karshi State University, Faculty of Russian language and literature</i>	Period <i>2022-present</i>
Research and development projects over the last 5 years	<i>Not applicable</i>		
Industry collaborations over the last 5 years	<i>Not applicable</i>		
Patents and proprietary rights	<i>Not applicable</i>		
Important publications over the last 5 years	1. <i>Modalnye znacheniya i morfologicheskie osobennosti glagolov sostoyaniya v russkom, uzbekskom i angliyskom yazykax. (International journal of scientific researchers. ISSN:3030-332 X Impact factor: 8,293 Volume 14, 1st October 2025). 124-132-b.</i> 2. <i>Antroponimy kak makrosfera onomasticheskogo prostranstva (na materiale russkogo i uzbekskogo yazykov). «QarDU xabarlari» Ilmiy-nazariy, uslubiy jurnal 1/2(57) 2023 Yanvar-fevral. 196-199-b.</i> 3. <i>Russkie i uzbekskie antroponimy na sovremennom etape razvitiya. Maqola. RESEARCH AND EDUCATION, 2(1), 119-123, 2023. 119-123-b.</i> 4. <i>Osobennosti ispolzovaniya uzbekskix sobstvennyx imen v russkoy rechi. Maqola. Educational Research in Universal Sciences, 2(1) Published February 5, 2023 Version v1. 189-194-b.</i> 5. <i>Kategoriya polojitelnosti/otritsatelnosti uzbekskix glagolov i yee vyrajenie v russkom i angliyskom yazykax. Tezis. «MEJKULTURNYE KOMMUNIKATSII V SOVREMENNOY LINGVISTIKE», xalqaro ilmiy-amaliy anjuman “Nasaf” NMIU 2023 Z -31. 234-236-b.</i> 6. <i>Kategoriya zaloga v russkom, uzbekskom i angliyskom yazykax. «So'ngi ilmiy tadqiqotlar nazariyasi» respublika ilmiy-uslubiy jurnal 12-may, 2022-yil 1-son. 294-297 b.</i> 7. <i>K voprosu o kategorii skazuemosti. Tezis. «Madaniyatlararo</i>		

	<i>kommunikatsiya matnida til va adabietning roli» xalqaro ilmiy-nazariy anjuman 23-24-aprel 2022-yil</i> 8. <i>Kategoriya vida i formy obraza deystviya. «TA'LIM FIDOYILARI» ilmiy-uslubiy jurnal 3-son, 2021-yil 5-aprel. 656-661 b.</i> 9. <i>K voprosu o semanticheskoy klassifikatsii glagolov sostoyaniya. «QarDU xabarlari» Ilmiy-nazariy, uslubiy jurnal 2021, 4-son. 159-162 b.</i>
Activities in specialist bodies over the last 5 years	-

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Name	<i>Akbarov Sherzod Axrorovich</i>		
Post	Teaching area: <i>Humanities</i> Designation: <i>Physical education</i>		
Academic career	<i>Associate professor</i> <i>Master's degree</i> <i>Bachelor's degree in Physical education</i>	<i>Karshi State University</i> <i>Tashkent State Pedagogical University</i> <i>Tashkent State Pedagogical University</i>	<i>2016</i> <i>2016</i> <i>2014</i>
Employment	Position: <i>Associate Professor of the Department of Sports Activities</i>	Employer <i>Karshi State University Faculty of Sports</i>	Period <i>2016</i>
Research and development projects over the last 5 years	<i>Not applicable</i>		
Industry collaborations over the last 5 years	<i>Not applicable</i>		
Patents and proprietary rights	<i>Not applicable</i>		
Important publications over the last 5 years	1. Sh.Akbarov 7-9 yoshli o'quvchilarning koordinatsiya qobilyatlarini rivojlantirishda aylanma mashg'ulotni tashkil etish. Talimda innovatsion jurnali 2025/5. 109-113-betlar https://interscience.uz/index.php/home/issue/view/82/249 2. Akbarov Sherzod Axrorovich Boshlang'ich sinf o'quvchilarida aylanma o'qitish usuli yordamida muvofiqlashtirish ko'nikmalarini rivojlantirish. Eurasian Journal of Sport Science 2024; 1(1): 54-57 https://eajss.uz https://eajss.uz/sitepad-data/uploads/12.-Akbarov-Sherzod-23.02.2024.pdf 3. Akbarov Sherzod 1-2-SINF O'QUVCHILARINING KOORDINATSION QO'BILİYATLARINING MAQSADLI RIVOJLANTIRISH. JISMONIY TARBIYA VA SPORT AXBOROTNOMASI Ilmiy-uslubiy jurnal 263-270 bet. https://hemis.qarshidu.uz/static/uploads/20/8HdaTphuvW-RED_Jma_q-VhdJRnBuObZ.pdf		

Activities in specialist bodies over the last 5 years	-	<i>Rol:</i>	<i>muddati:</i>
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Name	Yangiboev Zoyir Shberdievich		
Post	Teaching area: Differential equations, Equations of mathematical physics, Inverse problems of mathematical physics, modern methods of mathematical physics. Designation: Associate Professor of the Department of Mathematical Analysis and Differential Equations, Doctor of Philosophy (PhD) in Physics and Mathematics.		
Academic career	Undergraduate degree (Mathematics)	National University of Uzbekistan Karshi State University	1990-1995
	Master's degree (Mathematics)	Karshi State University	2001-2003
	Initial academic appointment	Karshi State University	1995
	Doctorate (PhD in differential equations and mathematical physics)	Urgench State University	2019
	Associate Professor(Mathematical Analysis	Karshi State University	2021
Employment	Position: Associate Professor of the Department of Mathematical Analysis and Differential Equations	Employer: Krashi state university, Faculty of Mathematics and Computer Science	Period: 2021-present
Research and development projects over the last 5 years	Name of project or research focus: New technologies in organizing the educational process in higher educational institutions of Uzbekistan Period and any other information: 2019-2021; World Bank Amount of financing : \$140,000		
Industry collaborations over the last 5 years	My recent work has focused primarily on academic research and theoretical developments, with no formal industry collaborations to date		
Patents and proprietary rights	My research has primarily focused on theoretical developments without resulting in patents or proprietary right		
Important publications over the last 5 years	Selected recent publications from a total of approx. Selected from 40+ publications (2020-2025):		

	1. Kh. Kh. Imomnazarov, L.Kh.Khujaev,Z.Sh. Yangiboev. On an inverse dinamik poroelasticity for a layered medium. <i>Matematicheskie zametki North-Eastern Federal University</i>. 2022;29(2):19-30yu (In Russ.) https://doi.org/10.25587/SVFU.2022.10.86.002 2. Yangiboev Z.SH. Sh., Imomnazarov Kh. Kh., Khujayev L. Kh. The inverse problem for a system of poroelasticity equations: the case of an unknown coefficient with a lower term depending on time <i>Bull. Inst. Math.</i>, 2022, Vol.5, №3, pp. 117-118 3. XX Imomnazarov, ZSh Yangiboev. <i>Прямые и обратные задачи для систем уравнений гиперболического типа.(Манографиya)</i>. Lap Lambert Academic Publshing. 2022. ISBN: 978-620-4-74206-9
Activities in specialist bodies over the last 5 years	Organisation: Role: Period: Member of the Scientific Council Seminar 2022-present PhD degree awarder.03/30.06.2020.FM.70.04 Karshi State University

Name	Nodirov Shohruh Dilmurodovich		
Post	Teaching area: Functional Analysis, Mathematical Analysis, Operator Theory, Complex Analysis Designation: Head of the Department of Mathematical Analysis and Differential Equations, Associate Professor, Doctor of Philosophy in Physical and Mathematical Sciences (PhD).		
Academic career	Undergraduate degree (Mathematics)	National University of Uzbekistan	(2010-2014)
	Master's degree (Mathematics)	Kazan federal university	(2014-2016)
	Initial academic appointment	Karshi State University	(2017)
	Doctorate (PhD in Mathematical Analysis)	Karshi State University	(2019-2021)
	Head of Department	Karshi State University	(2022-present)
	Associate Professor(Mathematical Analysis)	Karshi State University	(2023)
Employment	Position: Head of the Department of Mathematical Analysis and Differential Equations	Employer: Karshi state university, Faculty of Mathematics and Computer Science	Period: 2022-present
Research and development projects over the last 5 years	Name of project or research focus: Concrete Dynamical Systems with Continuous and Discrete Time, Spectra of Partial Integral Operators; Dynamics of Cubic Stochastic Operators and Their Applications. Period and any other information: 2017-2020; 2025-2027; Partners, if applicable: not applicable Amount of financing : \$30,000 \$100,000		
Industry collaborations over the last 5 years	My recent work has focused primarily on academic research and theoretical developments, with no formal industry collaborations to date		
Patents and proprietary rights	My research has primarily focused on theoretical developments without resulting in patents or proprietary right		
Important publications	Selected from over 25 publications (2020–2025)		

over the last 5 years	1. Eshkabilov Yu.Kh., Nodirov Sh.D. Positive Fixed Points of Hammerstein Integral Operators with Degenerate Kernel. Uchenye Zapiski Kazanskogo Universiteta. Seriya Fiziko-Matematicheskie Nauki. 2024;166(3):437-449. (In Russ.) https://doi.org/10.26907/2541-7746.2024.3.437-449 2. Eshkabilov Yu.Kh., Nodirov Sh.D. Positive fixed points of cubic operators on R2 and Gibbs measures. J. Sib. Fed. Univ. Math. Phys., 2019, vol. 12, no. 6, pp. 663 673. http://dx.doi.org/10.17516/1997-1397-2019-12-6-663-673. 3. Nodirov, S.D., Faizrahmanov, M.K. & Shchedrikova, Z.K. On Infinite Direct Sums of Minimal Numberings of Functional Families. Russ Math. 69, 33–44 (2025). https://doi.org/10.3103/S1066369X25700306 <u>4.</u> Nodirov S.D., Faizrahmanov M.K. Notes on Classes of Minimal Numberings of Arithmetical Set Families. Lobachevskii Journal of Mathematics, 2025, Vol. 46, Issue 4, pp. 1904-1911. DOI: 10.1134/S1995080225606125.		
Activities in specialist bodies over the last 5 years	Organisation: Horizon Research Publishing, SShA Scientific council awarding scientific degrees Karshi State University	Role: Reviewer Scientific secretary PhD.03/30.06.2020.FM.70.04	Period: 2024-present 2022-present

Staff Handbook

Name	<i>Babajanov Yuldash Tilovovich</i>		
Post	Teaching area: Theoretical mechanics Designation: Head of the Department of industrial engineerin, Associate Professor, Candidate in Physical and Mathematical Sciences).		
Academic career	senior lecturer	Karshi Pedagogical Institute	1985
	Associate Professor	Karshi Pedagogical Institute	1990
	Director of the Science and Technology Center	Kashkadarya region	1995
	Head of the Department of Theoretical and Applied Mechanics	Karshi State University	2002
	Head of the Department of General Technical Disciplines	Karshi State University	2007
	Dean of the Faculty of General Technical Disciplines	Karshi State University	2008
	Associate Professor of the Department of Energy	Karshi State University	2014
	Associate Professor of the Department of industrial engineerin	Karshi State University	2023
Employment	Position: Associate Professor of the Department of industrial engineering	Employer: Krashi state university, Faculty of physics	Period: 2023-present
Research and development projects over the last 5 years	Name of project or research focus: Mechanics of fluids and gases; Period and any other information: Partners, if applicable: notapplicable Amount of financing :		
Industry collaborations over the last 5 years	<i>My recent work has focused primarily on academic research and theoretical developments, with no formal industry collaborations to date</i>		
Patents and	<i>My research has primarily focused on theoretical developments without</i>		

proprietary rights	<i>resulting in patents or proprietary right</i>
Important publications over the last 5 years	<i>Selected recent publications from a total of approx.</i> Selected from 35+ publications (2020-2025): 1. Babajanov Y., Eshev S., Zaripov M., Isakov A., Norchaev A. Flow of liquid in a tapering channels Oriental Renaissance: Innovative, educational, natural and social sciences, 3(12), Dec., 2023 www.oriens.uz I. Babazhanova*, Y.Babazhanov, O. Bazarov, S. Eshev, Sh. Latipov Fluid movement in a flat pipe with a break E3S Web of Conferences 365, 03042 (2023) https://doi.org/10.1051/e3sconf/202336503042 I. Babazhanova*, Y.Babazhanov, O. Bazarov, S. Eshev, A. Isakov Control of flow in the side outflow channel, E3S Web of Conferences 365, 03038 (2023), https://doi.org/10.1051/e3sconf/202336503038 O. Bazarov., Y. Babajanov, I. Babajanova, R. Usmanov, B. Bazarov Kinematic structure of the flow in an erosion funnel AIP conf. proc.3286. doi.org/10.1063/5.0280110
Activities in specialist bodies over the last 5 years	Organisation: Role: Period:

Staff Handbook

Name	<i>Tohir Qurbonov</i>		
Post	Teaching area: <i>Humanitarian</i> Designation: <i>Social philosophy</i>		
Academic career	<i>Associate professor</i> <i>Candidate in Philosophy</i> <i>Master's Degree in Philosophy</i>	<i>Karshi State University</i> <i>Karshi State University</i> <i>Karshi State University</i>	<i>2006</i> <i>2009</i> <i>1996</i>
Employment	Position: <i>Department of Philosophy and Sociology</i>	Employer: <i>Karshi State University, Faculty of Social Sciences</i>	Period: <i>2026-present</i>
Research and development projects over the last 5 years	<i>Not applicable</i>		
Industry collaborations over the last 5 years	<i>Not applicable</i>		
Patents and proprietary rights	<i>Not applicable</i>		
Important publications over the last 5 years	1. <i>Qurbonov T.H., O'zbek milliy mentalitetida milliylik va umumbashariylik birligi. tafakkur ziyosi 2024; 2023 yil, 66-69-betlar (in Uzbek)</i> 2. <i>Qurbonov T.H., O'ZBEK MILLIY MENTALITETIDA FAN VA ADABIYOTNING O'RNI. (in Uzbek)</i> 3. <i>O'zbekiston milliy universiteti xabarлари, 2025, [1/9] ISSN. 101-103 bet. 2181-7324.http://journals.nuu.uz (in Uzbek)</i> 4. <i>Qurbonov T.H. O'zbekistonda jamiyat transformatsiyasining asosiy yo'nalishlari.https://qarshidu.uz/oz/page/ilmiy-jurnal-NEW.62-66 B. (in Uzbek)</i>		
Activities in specialist bodies over the last 5 years	Tashkilot: <i>Horizon Research Publishing</i>	Rol: <i>Reviewer</i>	muddati: <i>2026-present</i>

	<i>Scientific council</i> <i>awarding scientific degrees</i> <i>PhD.03/30.06.2020.FM.70.04</i> <i>Karshi State University</i>	<i>Scientific secretary</i> <i>2022-present</i>
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Staff Handbook

Name	Eshboyev Erkin Abdirashidovich		
Post	Teaching area: Algorithms and data structures, Artificial intelligence and neural network technology, Programming technologies Designation: Associate Professor, Department of Applied Mathematics		
Academic career	Initial academic appointment Senior Lecturer of the Department of Informatics and Mathematical Modeling Senior Lecturer of the Department of Applied Mathematics Associate Professor of the Department of Applied Mathematics	Karshi State University Karshi State University Karshi State University Karshi State University	1997 2002 2018 2023
Employment	Designation: Associate Professor of the Department of Applied Mathematics	Employer: Krashi state university, Faculty of Mathematics and Computer Science	Period: 2023-present
Research and development projects over the last 5 years	Name of project or research focus: Author of the teaching manual titled "Fundamentals of Programming" I have published several research papers in the field of Artificial Intelligence. Period and any other information: 2021; 2023; Partners, if applicable: not applicable		
Industry collaborations over the last 5 years	My recent work has focused primarily on academic research and theoretical developments, with no formal industry collaborations to date		
Patents and proprietary rights	My research has primarily focused on theoretical developments without resulting in patents or proprietary right		
Important publications over the last 5 years	Selected recent publications from a total of approx. Selected from 20+ publications (2020-2025): 1. Djabbarov O.R., Eshboyev A.E., Klichiva F.G., Shodiyev F.Y., Shonazarov U.N. Modeling multi-component heat transfer processes in multi-dimensional domains https://www.scopus.com/pages/publications/105017640461?origin=resultslist 2. Eshboyev A.E., Shodiyev F.Y., Suyarova A. Prediction of disease resistance of		

	<i>high-quality wheat varieties using method of calculating generalized estimates. E3S Web of Conf., 401 (2023) 04063. DOI: https://doi.org/10.1051/e3sconf/202340104063</i>		
Activities in specialist bodies over the last 5 years	Organisation: <i>Grodno gosudarstvennyy universitet, Vitebskiy gosudarstvennyy universitet, Belarus</i>	Role: <i>Exchange participant</i>	Period: <i>2025</i>

Staff Handbook

Name	Niyazova Dilbar
Post	Field of study: Uzbek language Direction: Uzbek language
Academic career	Associate Professor of the Karshi State 2023 Department of Uzbek Language University and Literature Doctor of Philosophy in Karshi state 2020 Philological Sciences university Master's degree (Uzbek Karshi state 2005 language) university Bachelor's degree (Uzbek Karshi State 2003 language and literature) University
Employment	Position: Associate Professor of the Karshi State 2005-present Department of Uzbek Language University, Faculty of Philology and Literature
Research and development projects over the last 5 years	not applicable
Patents and proprietary rights	CERTIFICATE of official registration of the program created for electronic computers. MINISTRY OF JUSTICE OF THE REPUBLIC OF UZBEKISTAN. No. DGU 25753. ELECTRONIC TRAINING MANUAL ON THE SUBJECT OF METHODOLOGY OF TEACHING THE MOTHER LANGUAGE. DGU 2023 4564 Independent educational tasks on the subject of the use of the Uzbek language in the field (Methodological manual).2022. Creation of linguistic personality types in a work of art. (Monography).2024. Methodology of teaching husnikhat (Textbook).2025. Application of the Uzbek language in the field (Textbook).2026. Mother tongue - reading literacy and its teaching methodology (Textbook)2026.
Important publications over the last 5 years	1.Niyazova D."Badiiy asarda yozuvchi lisoniy shaxsi".Zamonaviy boshlang'ich va pedagogik ta'lim: nazariy va amaliy innovatsion tadqiqotlar mavzusidagi respublika miqyosida ilmiy-amaliy konferensiyasi 28 may 2020 yil Qarshi-2020. 88-90-bet 2.Niyazova D."O'zbek tilshunosligida badiiy matnning lingvistik tadqiqi". O'zbek tilining xorijda o'qitilishi: ta'lim nazariyasi va amaliyoti (Xalqaro onlayn ilmiy-amaliy anjuman materiallari 2021-yil 29-may) 121-123-

	betlar.Toshkent-2021. 3.Niyazova D.”Badiiy matnda ijodkorning soʻz tanlash va qoʻllash mahoratiga doir”. BERDAQ nomidagi QORAQALPOQ DAVLAT UNIVERSITETINING AXBOROTNOMASi №3.223-226-betlar.Nukus-2022 4. Niyazova D.”Badiiy matnda ijodkorning soʻz tanlash va qoʻllash mahorati” Soʻz sanʼati Xalqaro jurnali (5-jild 4-son 159-164-betlar)Toshkent-2022 5.Niyazova D. “Badiiy matnlarda shaxs ruhiy holatining ifodalanishi”. QarDU xabarlari(4/2)154-157-betlar.Qarshi- 2022 6.Niyazova D.”THE ROLE OF FAMILY AND NEIGHBORHOOD COMMUNITY ASSOCIATIONS IN EDUCATION OF A PROFESSIONAL GENERATION”. International Bulletin of Applied Science and Technology. IBAST ISSN: 2750-3402 https://doi.org/10.5281/zenodo.11560698. (Xalqaro jurnal).2023.06.06. 7. Niyazova D.TYPES OF LINGUISTIC PERSONALITY SHOWING WHICH GENDER IN THE SPEECH OF LANGUAGE OWNERS. International Bulletin of engineering and Technology. Associate Professor of the Department of Uzbek Language and Literature https://doi.org/10.5281/zenodo.14470953. (Xalqaro jurnal) 2024.12.12. 8.NiyazovaD. “Yozuvchi lisoniy shaxsining badiiy asardagi oʻrni”. Til va adabiyot.uz.jurnal-Toshkent,2024-yil,dekabr 20/1-son 9.NiyazovaD. Matn yaratilishida pretsedent birliklarning oʻrni. “QarDU xabarlari” jurnali -Qarshi, 2025. №2 (1) 10.Niyazova D.”Tilshunoslikda assotsiativ maydon haqidagi qarashlar”. Til va adabiyot.uz.jurnal-Toshkent,2026-yil,15-mart 05(73)-son.		
Activities in specialist bodies over the last 5 years	Organisation: Language and literature.uz Scientific and methodological journal	Role: editorial board	Period: 2024-2025

Staff Handbook

Name	Eshboyev Erkin Abdirashidovich		
Post	Teaching area: Algorithms and data structures, Artificial intelligence and neural network technology, Programming technologies Designation: Associate Professor, Department of Applied Mathematics		
Academic career	Initial academic appointment Senior Lecturer of the Department of Informatics and Mathematical Modeling Senior Lecturer of the Department of Applied Mathematics Associate Professor of the Department of Applied Mathematics	Karshi State University Karshi State University Karshi State University Karshi State University	1997 2002 2018 2023
Employment	Designation: Associate Professor of the Department of Applied Mathematics	Employer: Krashi state university, Faculty of Mathematics and Computer Science	Period: 2023-present
Research and development projects over the last 5 years	Name of project or research focus: Author of the teaching manual titled "Fundamentals of Programming" I have published several research papers in the field of Artificial Intelligence. Period and any other information: 2021; 2023; Partners, if applicable: not applicable		
Industry collaborations over the last 5 years	My recent work has focused primarily on academic research and theoretical developments, with no formal industry collaborations to date		
Patents and proprietary rights	My research has primarily focused on theoretical developments without resulting in patents or proprietary right		
Important publications over the last 5 years	Selected recent publications from a total of approx. Selected from 20+ publications (2020-2025): 1. Djabbarov O.R., Eshboyev A.E., Klichiva F.G., Shodiyev F.Y., Shonazarov U.N. Modeling multi-component heat transfer processes in multi-dimensional domains https://www.scopus.com/pages/publications/105017640461?origin=resultslist 2. Eshboyev A.E., Shodiyev F.Y., Suyarova A. Prediction of disease resistance of		

	<i>high-quality wheat varieties using method of calculating generalized estimates. E3S Web of Conf., 401 (2023) 04063. DOI: https://doi.org/10.1051/e3sconf/202340104063</i>		
Activities in specialist bodies over the last 5 years	Organisation: <i>Grodno gosudarstvennyy universitet, Vitebskiy gosudarstvennyy universitet, Belarus</i>	Role: <i>Exchange participant</i>	Period: <i>2025</i>

Staff Handbook

F.I.Sh.	<i>Shoykulov Shodmonkul Qudratovich</i>		
Lavozimi	O'qitish sohasi: <i>theoretical foundations of computer science, information and communication technologies, computer graphics, Web programming technologies</i> yo'nalishi: <i>Associate Professor of the Department of Applied Mathematics</i>		
Mehnat faoliyati	Unvoni: <i>Associate Professor</i> <i>Magistratura</i>	<i>Karshi State University</i> <i>Karshi State University</i>	<i>2024</i> <i>1998</i>
Ish beruvchi	lavozimi <i>Associate Professor of the Department of Applied Mathematics</i>	Ish beruvchi <i>Karshi State University, Faculty of Mathematics and Computer Science</i>	Muddati <i>2024-present</i>
So'nggi 5 yildagi tadqiqot va loyihalari	Loyiha yoki tadqiqot yo'nalishi nomi: <i>AIF-2/17 "New technologies in the organization of the educational process in higher educational institutions of Uzbekistan"</i> Loyiha yoki tadqiqot yo'nalishi nomi: <i>2019-2021;</i> Agar mavjud bo'lsa, hamkorlar: <i>not applicable</i> Moliyalashtirish miqdori: <i>\$100,000</i>		
So'nggi 5 yil ichida sanoat hamkorligi	<i>Loyiha nomi</i> <i>Hamkorlar</i>		
Patentlar va mulkiy huquqlar	<i>Nomi</i> <i>yili</i>		
So'nggi 5 yil ichidagi muhim nashrlar	<i>Taxminan jami nashrlardan tanlangan so'nggi nashrlar.</i> <i>(umumiy sonini ko'rsating):</i> <i>Muallif(lar)</i> <i>Sarlavha</i> <i>Boshqa har qanday ma'lumot</i> <i>Nashriyotchi, nashr etilgan joy, nashr etilgan sana yoki davriy nashr nomi, jild, son, sahifa raqamlari</i> <i>Selected from 40+ publications (2020-2025):</i> <i>1. O.Shukurova, R. Pirova, Sh.Shoykulov, A. Bozorov. Modeling and optimization of gas drying process in multifunctional absorbers. First</i>		

	<i>international conference on problems and perspectives of modern science (icppms-2021) konferensiyasi Tashkent.</i> 2. Sh.Shoykulov, Shukurov A.M., <i>Propagation of Non-Stationary Waves Of Transverse Displacement from a Spherical Cavity in an Elastic Half-Space. International Journal of Advanced Research in Science, Engineering and Technology, Vol. 7, Issue 4, April 2020, ISSN: 2350-0328, http://www.ijarset.com/upload/2020/april/13-shshovqulov-02-1.pdf</i> 3. Sh.Shoykulov. <i>Analysis and optimization of graphics programming in C# using Unity. «Science and innovation» xalqaro ilmiy jurnali, Volume 3 Issue 10, https://doi.org/10.5281/zenodo.14000841</i>
So'nggi 5 yil ichida ixtisoslashgan tashkilotlardagi faoliyat	Tashkilot: Rol: muddati:

Staff Handbook

Name	<i>Oysara Karakhonova</i>		
Post	Teaching area: <i>Humanitarian</i> Designation: <i>General pedagogy</i>		
Academic career	<i>Associate professor</i> <i>Doctor of Philosophy (PhD) in Pedagogical Sciences</i> <i>Master's degree</i> <i>Bachelor (Pedagogue-economist)</i>	<i>Karshi State University</i> <i>Karshi State University</i> <i>Karshi State University</i> <i>Karshi State University</i>	<i>2022</i> <i>2021</i> <i>2005</i> <i>2000</i>
Employment	Position <i>Head of the department of Pedagogy</i>	Employer <i>Karshi State University, Faculty of Redagogy</i>	Period <i>From February 6, 2024</i>
Research and development projects over the last 5 years	<i>Not applicable</i>		
Industry collaborations over the last 5 years	<i>Not applicable</i>		
Patents and proprietary rights	<i>Not applicable</i>		
Important publications over the last 5 years	1. <i>Oysara Karakhonova. "Pedagogik akmeologiya"-2025y. Xalqaro ilmiy metodik jurnal. 3(20). Talabalarda sanogen fikrlash bilan bog'liq tushunchalarning xususiyatlari.</i> 2. <i>Oysara Karakhonova. Elektronik edicatsion. Jurnal 2023/III sinf o'quvchilarining sanogen fikrlashini shakllantirishda kompyuter o'yinlarining ta'siri.97-105 b.</i> 3. <i>Oysara Karakhonova. Fan va jamiyat Ilmiy-uslubiy jurnal. 2022. №3 "O'quvchilar va o'qituvchilarning sanogen fikrlashini shakllantirish" 39-40 b.</i> 4. <i>Oysara Karakhonova. Sharof Rashidov nomidagi Samarqand davlat universiteti Ilmiy axborotnoma. 2024. 6/1 (148). 122-128 b. Talabalarda sanogen fikrlashning o'ziga xos faoliyat mexanizmlari</i> 5. <i>Oysara Karakhonova. Develorment of science. Ilmiy jurnal. ISSN 3030-3907. Dekabr-2024/6. 186-193 b. Talabalarda sanogen fikrlash ko'nikmasini shakllantirishning didaktik asoslari</i> 6. <i>Oysara Karakhonova. Develorment of science. Ilmiy jurnal. ISSN 3030-3907. Dekabr-2024/6. 193-204 b. Sanogen fikrlashni shakllantirishning</i>		

	muhim jihatlari. 7. Oysara Karakhonova. European Journal of Interdisciplinary Research and Development Volume-38. April - 2025 Website: www.ejird.journalspark.org ISSN (E): 2720. 147-152 b. Kriterii i pokazateli sformirovannosti sanogennogo myshleniya		
Activities in specialist bodies over the last 5 years	Organisation: Horizon Research Publishing, SShA Scientific council awarding scientific degrees PhD.03/30.06.2020.FM.70.04 Karshi State University	Role: Reviewer Scientific secretary	Period: 2024-present 2022-present

Name	Yangiboev Zoyir Shberdievich		
Post	Teaching area: Differential equations, Equations of mathematical physics, Inverse problems of mathematical physics, modern methods of mathematical physics. Designation: Associate Professor of the Department of Mathematical Analysis and Differential Equations, Doctor of Philosophy (PhD) in Physics and Mathematics.		
Academic career	Undergraduate degree (Mathematics) Master's degree (Mathematics) Initial academic appointment Doctorate (PhD in differential equations and mathematical physics) Associate Professor(Mathematical Analysis	National University of Uzbekistan Karshi State University Karshi State University Karshi State University Urgench State University Karshi State University	1990-1995 2001-2003 1995 2019 2021
Employment	Position: Associate Professor of the Department of Mathematical Analysis and Differential Equations	Employer: Krashi state university, Faculty of Mathematics and Computer Science	Period: 2021-present
Research and development projects over the last 5 years	Name of project or research focus: New technologies in organizing the educational process in higher educational institutions of Uzbekistan Period and any other information: 2019-2021; World Bank Amount of financing : \$140,000		
Industry collaborations over the last 5 years	My recent work has focused primarily on academic research and theoretical developments, with no formal industry collaborations to date		
Patents and proprietary rights	My research has primarily focused on theoretical developments without resulting in patents or proprietary right		
Important publications over the last 5 years	Selected recent publications from a total of approx. Selected from 40+ publications (2020-2025): 1. Kh. Kh. Imomnazarov, L.Kh.Khujaev,Z.Sh. Yangiboev. On an inverse		

	<i>dinamik poroelasticity for a layered medium. Matematicheskie zametki North-Eastern Federal University. 2022;29(2):19-30yu (In Russ.)</i> https://doi.org/10.25587/SVFU.2022.10.86.002 2. Yangiboev Z.SH. Sh., Imomnazarov Kh. Kh., Khujayev L. Kh. <i>The inverse problem for a system of poroelasticity equations: the case of an unknown coefficient with a lower term depending on time Bull. Inst. Math., 2022, Vol.5, №3, pp. 117-118</i> 3. XX Imomnazarov, ZSh Yangiboev. <i>Прямые и обратные задачи для систем уравнений гиперболического типа.(Манографиya). Lap Lambert Academic Publishing. 2022. ISBN: 978-620-4-74206-9</i>
Activities in specialist bodies over the last 5 years	Organisation: Role: Period: Member of the Scientific Council Seminar 2022-present PhD degree awarder.03/30.06.2020.FM.70.04 Karshi State University

Staff Handbook

Name	<i>Imomov Azam Abduraximovich</i>		
Post	Teaching area: Theory of probability and mathematical statistics, Branching process, Limit theorems for random variables Designation: Head of the Department of Algebra and geometry, Associate Professor, Doctor of Physical and Mathematical Sciences (DSc).		
Academic career	Initial academic appointment	Tashkent state university	1994
	PhD degree (Mathematics)	Institute of Mathematics Academy of Science of Uzbekistan	2000
	DSc degree (Mathematics)	Nationally university of Uzbekistan	2019
Employment	Position: Head of the Department of Algebra and Geometry	Employer: Krashi state university, Faculty of Mathematics and Computer Science	Period: 2020-present
Research and development projects over the last 5 years	Name of project or research focus: New methods for studying Markov chains with spatially non-homogeneous transitions, including branching processes and processes describing retrial queueing systems; Period and any other information: 2025-2027; Partners, if applicable: Belarusian State University Amount of financing : \$114 600		
Industry collaborations over the last 5 years	notapplicable		
Patents and proprietary rights	notapplicable		
Important publications over the last 5 years	Selected recent publications from a total of approx. Selected from 35+ publications (2020-2025): 1. Imomov A.A., Murtazayev M. Renewed Limit Theorems for Noncritical Galton–Watson Branching Systems. Journal of Theoretical Probability.. 2024,37(3):2843-2858. http://link.springer.com/article/10.1007/s10959-024-01330-8 2. Sergei A Dudin, Olga S Dudina, Azam A Imomov, Dmitry Y Kopats. Analysis of BMAP/PH/N-Type Queueing System with Flexible Retrials		

	Admission Control. <i>Mathematics</i>, 2025, 13(9), pp. 1434. https://www.mdpi.com/2227-7390/13/9/1434 3. Imomov A.A. On the Kolmogorov Constant Explicit Form in the Theory of Stochastic Continuous-time Markov Branching Systems. <i>Journal of Theoretical Probability</i>, 2025, 38(2), 32. https://link.springer.com/article/10.1007/s10959-025-01400-5 4. Svetlana P Moiseeva, Irina A Turenova, Azam A Imomov. Asymptotic Analysis of Multi-Arrival Heterogenous Resource Queueing System MMPP/GI (2)/∞ in a Random Markovian Environment. <i>Journal of Theoretical Probability</i>, 2025, 18(6), 770-781. https://cyberleninka.ru/article/n/asymptotic-analysis-of-multi-arrival-heterogenous-resource-queueing-system-mmpp-gi-2-in-a-random-markovian-environment 5. Azam A Imomov, Erkin E Tukhtaev, János Sztrik. On Properties of Karamata Slowly Varying Functions with Remainder and Their Applications. <i>Mathematics</i>, 2024, 12(20), 3266. https://www.mdpi.com/2227-7390/12/20/3266		
Activities in specialist bodies over the last 5 years	Organisation: Horizon Research Publishing, USA MDPI, Switzerland	Role: Editors team member of <i>Journal Mathematics and statistics</i> Reviewer of <i>Journal Mathematics</i>	Period: 2015--present 2020-PRESENT

Directory For staff

Name	<i>Shukurov Amon Musurmonovich</i>		
Mail	Teaching areas: <i>Methods for solving problems of mathematical physics , computer mathematics systems, numerical methods, spline function methods .</i> Designation: <i>Professor of the Department of Applied mathematicians, professor, doctor of physical and mathematical sciences (DSc).</i>		
Academic career	<i>Initial academic appointment</i> <i>Doctoral degree (mechanics of deformable solids)</i> <i>Candidate's degree (mechanics of deformable solids)</i> <i>Undergraduate degree (Applied Mathematics)</i>	<i>Karshi State University</i> <i>Moscow Aviation Institute</i> <i>Moscow Aviation Institute</i> <i>Tashkent State University</i>	<i>1992</i> <i>2005</i> <i>1992</i> <i>1981</i>
Employment	Position: <i>Professor of Department of Applied Mathematics.</i>	Employer: <i>Karshi State University, Faculty of Mathematics and Computer Science.</i>	Period: <i>2016 – present time</i>
Research and development projects over the past 5 years	Project or research title: <i>project does not exist</i>		
Industry collaborations over the last 5 years	<i>My recent work has focused primarily on academic research and theoretical developments, with no formal industry collaborations to date.</i>		
Patents and proprietary rights	proprietary rights: <i>Algorithm and computational program for solving the problem of nonstationary transverse oscillations of isotropic space with a spherical cavity and a hard sphere. No. DGU 27894, MINISTRY OF JUSTICE OF THE REPUBLIC OF UZBEKISTAN</i>		
Important publications over the past 5 years	<i>Selected recent publications from a total of approx.</i> <i>Selected from 39+ publications (2021-2025):</i> 1. Shukurov A., Propagation of skew-symmetric unsteady shear waves from thick-walled shell in elastic space, <i>E3S Web of Conferences</i> , Vol. 365, 01014 (2023), https://doi.org/10.1051/e3sconf/202336501014 2.. Shukurov A. , and Musurmonova M., Propagation of skew-symmetric non - stationary waves in an elastic spherical layer , <i>AIP Conference Proceedings</i> , Vol. 3004, 040009 (2024). https://doi.org/10.1063/5.0199588 3. Shukurov A. , and Jabborov A. , Unsteady Radial Oscillations of an Elastic Spherical Layer in an Infinite Space of an Ideal Fluid, <i>WSEAS Transactions on Fluid Mechanics</i>, Vol. 20, 2025, pp/ 178-188. https://doi.org/10.37394/232013.2025.20.18		

Activities in specialist bodies over the last 5 years	Organization: <i>Nukus State Technical University</i> Role: <i>Member of the Scientific Council for Awarding Scientific Degrees PhD .13/05.05. 2023.T. 162.01</i> Period: <i>2023 – present</i>
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Staff Handbook

Name	Bekova Shamsiya		
Post	Teaching area: Social sphere, journalism and information Designation: Social and behavioural sciences		
Academic career	Associate professor	Karshi State University	2022
	PhD in Psychology	Karshi State University	2021
	Master's Degree in Psychology	Karshi State University	1998
Employment	Position: Department of Psychology	Employer: Karshi State University, Faculty of Social Sciences	Period: 2025-present
Research and development projects over the last 5 years	Not applicable		
Industry collaborations over the last 5 years	Not applicable		
Patents and proprietary rights	Not applicable		
Important publications over the last 5 years	1. Bekova Sh.D. THE ROLE OF THE CORRECT FORMATION OF THE SPIRITUAL ATMOSPHERE OF THE CHILD IN THE FAMILY IN COMMUNICATION. VESTNIK INTEGRATIVNOY PSIXOLOGII 2024 Vypusk 33 chast 2 P. 162 2. Bekova Sh.D. PSIXOLOGICHESKIE OSOBNOSTI OBLIČENIYa DETEY DOShKOLNOGO VOZRASTA. VESTNIK INTEGRATIVNOY PSIXOLOGII 2022 Vypusk 26 P. 46. (in Russian) 3. Bekova Sh.D. THE PSYCHOLOGICAL NATURE OF COMMUNICATIVE COMPETENCE BETWEEN PARENT AND CHILD. Science and education news. 2025 №3 Zyu 79 (in Uzbek)		
Activities in specialist bodies over the last 5 years	Not applicable		

Staff Handbook

Name	Khurramov Alisher Khasanovich		
Post	<i>Teaching area: Variational calculus and optimization methods, Process research and optimal control, Discrete structures</i> <i>Designation: Teacher of the Department of "Applied Mathematics"</i>		
Academic career	Senior lecturer of the department of "Applied Mathematics"	Karshi State University	2016
	senior lecturer of the Department of Mathematical Analysis and Algebra	Karshi State University	2006
	Lecturer of the Department of Higher Mathematics	Karshi Engineering and Economics Institute	1999
	Higher education degree (mathematics)	Tashkent State University	1998
Employment	Position: Lecturer of the Department of Applied Mathematics	Employer: Krashi state university, Faculty of Mathematics and Computer Science	Period: 2016-present
Research and development projects over the last 5 years	Name of project or research focus: Period and any other information: Partners, if applicable: notapplicable Amount of financing :		
Industry collaborations over the last 5 years	My recent work has focused primarily on academic research and theoretical developments, with no formal industry collaborations to date		
Patents and proprietary rights	1. Electronic textbook on the subject of variational calculus and optimization methods-DGU-14835. 2022 y 2.Early liver cirrhosis and hepatocarcinoma due to HBV infection		

	intelligent diagnostic system –DGU-46231, 2024 y.						
Important publications over the last 5 years	Selected recent publications from a total of approx. Selected from 15+ publications (2020-2025): 1.SHAVKAT MADRAKHIMOV , KODIRBEK MAKHAROV , and ALISHER KHURRAMOV IEEE Access. 30 September 2025 On the transparency of decision-making in classification by precedents with fuzzy descriptions. DOI: 10.1109/ACCESS.2025.3616052 https://ieeexplore.ieee.org/document/11184796 2. Raxmanova A.M, Kasimova R.I. Madraximov Sh.F. Xurramov A.X. Raxmanov M.I. Tibbiyotda yangi kun . 15.04.2024 SURUNKALI VIRUSLI GEPATIT B BILAN KASALLANGAN BEMORLARNI HBSAG NING MIQDORIY TARKIBI BO’YICHA FARQLASHDA KLINIK VA LABORATOR KO’RSATKICHLARINING MA’LUMOTLILIGI https://newdaymedicine.com						
Activities in specialist bodies over the last 5 years	<table><tr><td>Organisation:</td><td>Role:</td><td>Period</td></tr><tr><td></td><td></td><td></td></tr></table>	Organisation:	Role:	Period			
Organisation:	Role:	Period					

Staff Handbook

Name	<i>Djabbarov Oybek Raxmanovich</i>		
Post	<i>Fizik-matematika fanlari bo'yicha falsafa doktori, dotsent</i> (Teaching area and designation)		
Academic career	Bakalavr	Qarshi davlat universiteti	2006-2010
	Magistr	Qarshi davlat universiteti	2010-2012
	Tayanch doktorant	Qarshi davlat universiteti	2020-2022
Employment	<i>lavozimi</i> <i>Amaliy matematika kafedrası mudiri</i>	<i>Ish beruvchi</i> <i>Karshi State University</i>	<i>Muddati</i> <i>05.10.2022 - now</i>
Research and development projects over the last 5 years	Loyiha yoki tadqiqot yo'nalishi nomi: OT-Atex-2018-340– «Ikki tezlikli muhit dinamikasining amaliy geofizik masalalarini nazariy va sonli tadqiq etish» Loyiha yoki tadqiqot yo'nalishi nomi: 2018-2020 Moliyalashtirish miqdori: 1500,0 mln		
Industry collaborations over the last 5 years	“Alp Texno Servis” elektrotexnika korxonasi bilan o'zaro shartnoma asosida ish olib borilmoqda		
Patents and proprietary rights	<i>O.Djabbarov</i> , Dämpfung ta'sirida ikki karra nochiziqli parabolik tenglama bilan tasvirlanadigan jarayonlarni sonli yechish dasturi, № DGU 13202. 24.11.2021. <i>O.R.Djabbarov</i> , O'zgaruvchan koeffitsiyentli dämpfung ta'sirida ikki karra nochiziqli parabolik tenglama bilan tasvirlanadigan jarayonlarni sonli yechish dasturlari majmui / № DGU 13338, 01.12.2021		
Important publications over the last 5 years	<i>Selected recent publications from a total of approx. (give total number): 17 ta</i> 1.Aripov M.M., Djabbarov O.R. Otsenka i asimptotika resheniy reshenie dlya uravneniya parabolicheskogo tipa s dvoynoy nelineynostyu s dempfirovaniem / Byulleten Instituta Matematiki, 2020. – № 3. – S. 108-118. 2. Aripov M.M., Djabbarov O.R. Prostranstvennaya lokalizatsiya reshenii uravneniya parabolicheskogo tipa s dvoynoy nelineynostyu i dempfirovaniem / Problemy vychislitelnoy i prikladnoy matematiki, 2020. – № 4(28). – C. 58-65. 3. O.R.Djabbarov and et.al. , On the properties of a radially symmetric self-similar solution of a nonlinear heat conduction equation with a source/ Journal of Physics: Conference Series, General Physics and Astronomy. 2021 J. Phys.: Conf. Ser.1789 012010. 4.M.M.Aripov, O.R.Djabbarov. Estimate and asymptotic of the		

- solution for the p-Laplacian parabolic equation double non-linear type with damping / Journal of Physics: Conference Series, General Physics and Astronomy. 2021. J. Phys.: Conf. Ser.1901 012030.
- 5.**M.M.Aripov, S.A.Sadullayeva, O.R.Djabbarov**, Mathematic modeling of processes describing by double nonlinear parabolic equation with convective transfer and damping/ AIP Conference Proceedings , 2021, 2365, 060008
- 6.**O.R.Djabbarov**. Matematicheskoe modelirovanie protsessov diffuzii s peremennym koeffitsientom dempfirovaniya s ispolzovaniem VKB resheniy/ Problemy vychislitelnoy i prikladnoy matematiki, 2021. 6/1(37). – S. 64-74.
- 7.**M.M.Aripov, O.R.Djabbarov**. On qualitative properties of solutions of double nonlinear parabolic equation with damping variable coefficient/ O‘zbekiston Respublikasi Fanlar akademiyasining ma’ruzalari jurnali, 2021. – №6. – P. 3-6.
- 8.**O.R.Djabbarov, A.R.Zaripova**. Kvazichiziqli issiqlik tarqalish masalasini sonli modellashtirish/ Samarqand davlat universiteti ilmiy axborotnomasi (Aniq fanlar seriyasi), 2021. – №5. – B. 117-121.
9. **M.M.Aripov, O.R.Djabbarov**. Method WKB for solutions of double nonlinear parabolic equation with damping term and variable coefficient/ AIP Conference Proceedings 2781, 020018, 8 iyun, (2023)
- 10.**O.R.Djabbarov, A.Zaripova, M.Samadova**. Manba bilan ikki karra nochiziqli parabolik tenglamalar bilan tavsiflanadigan reaksiya-diffuziya jarayonlarini sonli modellashtirish / QarDU xabarлари, Respublika OAK, 2022-yil sentabr (4/1)54. 12-20-betlar
- 11.**O.R.Djabbarov, A.Zaripova, U.Sodiqova**, Divergent ko‘rinishdagi biologik populyatsiya sistemalarining avtomodel yechimlarini asimptotikasi/ Sharof Rashidov nomidagi Samarqand davlat universiteti ilmiy axborotnomasi №1 (137/1) 2023.
12. **O.R.Djabbarov**, Подходы к решению задачи биологического популяций в одном из случаях/ QarDU xabarлари 3/1(59) 2023 may-iyun.
13. **O.R.Djabbarov, Sh.Seytov, Sh.Abduxalilova**, Periodic points of the two dimensional logistic mapping/ QarDU xabarлари maxsus son (63), 2023y
- 14.**O.R.Djabbarov, M.M.Karimov, G.Nizomiddinova, A.R.Zaripova**. Manba ta’siri va o‘zgaruvchan zichlikka ega divergent diffuziya jarayonini ifodalovchi parabolic tenglama uchun koshi masalasining yechimlari sifat xossalari / Samarqand davlat universiteti ilmiy axborotnomasi (Aniq fanlar seriyasi), 2024, №1 (143/1), 31-36 bet.
15. **E.Eshboyev, F.Klicheva, F.Shodiyev**, Sun’iy immune tizimlari algoritmlarining kasalliklarini aniqlash va tasniflash masalalarida qo‘llanilishi / QarDU xabarлари 4(2), 2024y.
16. **O.R.Djabbarov**, К качественным свойствам решения двоиного нелинейного параболического уравнения с зависящим от времени демпфирующим членом / Bulletin of the institute of mathematics, 2024 , vol.7, No 1

	17. <i>O.R.Djabbarov, I.Ruzimurodova</i> , Zaxiralarni boshqarishda qarorlarlar qabul qilish masalasini kompyuterda modellashtirish/ QarDU xabarlari 1(2), 2024y
Activities in specialist bodies over the last 5 years	

Staff Handbook

F.I.Sh.	Saidova Dilfuza Ergashovna		
Lavozimi	O'qitish sohasi: yo'nalishi:		
Mehnat faoliyati	Ilmiy unvoni [German post-doctoral qualification] (Mathematical Analysis) Ilmiy darajasi (Theory and methodology of education and upbringing (computer science)) Magistratura Bakalavr (Applied Mathematics and Computer Science)	Karshi State University Karshi State University Karshi State University Karshi State University	2018 2025 2015 2012
Ish beruvchi	lavozimi Senior Teacher at the Department of Algorithms and Programming Technologies	Ish beruvchi Karshi State University, Faculty of Mathematics and Computer Science	Muddati 2025-present
So'nggi 5 yildagi tadqiqot va loyihalari	Loyiha yoki tadqiqot yo'nalishi nomi: Loyiha yoki tadqiqot yo'nalishi nomi: Agar mavjud bo'lsa, hamkorlar: Moliyalashtirish miqdori:		
So'nggi 5 yil ichida sanoat hamkorligi	Loyiha nomi Hamkorlar		
Patentlar va mulkiy huquqlar	Nomi yili		
So'nggi 5 yil ichidagi muhim nashrlar	Taxminan jami nashrlardan tanlangan so'nggi nashrlar. (umumiy sonini ko'rsating): Muallif(lar) Sarlavha Boshqa har qanday ma'lumot Nashriyotchi, nashr etilgan joy, nashr etilgan sana yoki davriy nashr nomi, jild, son, sahifa raqamlari		

So'nggi 5 yil ichida ixtisoslashgan tashkilotlardagi faoliyat	<i>Tashkilot:</i>	<i>Rol:</i>	<i>muddati:</i>
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Staff Handbook

Name	<i>Xurramov Ismoil Dilmurodovich</i>		
Post	Teaching area: <i>Mathematical modelling, incorrect and inverse problems</i> Designation: <i>Deputy Dean of the Faculty of Mathematics and Computer Science, Teacher of the Department of Applied Mathematics</i>		
Academic career	<i>Master's degree (Calculation mathematics)</i> <i>Undergraduate degree (Mathematics)</i>	<i>Nationally university of Uzbekistan</i> <i>Karshi State University</i>	<i>2010</i> <i>2008</i>
Employment	Position: <i>Deputy Dean of the Faculty of Mathematics and Computer Science</i>	Employer: <i>Karshi State University, Faculty of Mathematics and Computer Science</i>	Period: <i>2011-present</i>
Research and development projects over the last 5 years	Name of project or research focus: <i>Identification issues and uncertainty and sensitivity analysis in models</i> <i>Discrete models and recurrent relationships</i> Period and any other information: <i>2010-2015;</i> <i>2023-2026;</i> Partners, if applicable: <i>not applicable</i> Amount of financing : <i>\$15,000</i> <i>\$40,000</i>		
Industry collaborations over the last 5 years	<i>My recent work has focused primarily on academic research and theoretical developments, with no formal industry collaborations to date</i>		
Patents and proprietary rights	<i>My research has primarily focused on theoretical developments without resulting in patents or proprietary right</i>		
Important publications over the last 5 years	<i>Selected recent publications from a total of approx. (2020-2025):</i> 1. <i>I.D. Khurramov</i> <i>INTELLIGENT MONITORING OF STUDENT ACTIVITY IN PHP-BASED-LEARNING SYSTEMS</i> <i>Department of Applied Mathematics, Karshi State University</i> https://doi.org/10.5281/zenodo.17959600 2. <i>I.D. Khurramov, D. Narziyeva</i> <i>TRAFFIC ANALYSIS AND OPTIMIZATION IN COMPUTER NETWORKS</i> <i>Department of Applied Mathematics, Karshi State University</i> https://doi.org/10.5281/zenodo.18029930		

	3. <i>I.D. Khurramov, F.S. Shodmonova</i> <i>DEVELOPMENT OF AN AI-POWERED STUDENT PERFORMANCE ANALYSIS SYSTEM USING PHP</i> <i>Department of Applied Mathematics, Karshi State University</i> https://doi.org/10.5281/zenodo.17959199
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Staff Handbook

Name	<i>Xurramov Ismoil Dilmurodovich</i>		
Post	Teaching area: <i>Mathematical modelling, incorrect and inverse problems</i> Designation: <i>Deputy Dean of the Faculty of Mathematics and Computer Science, Teacher of the Department of Applied Mathematics</i>		
Academic career	<i>Master's degree (Calculation mathematics)</i> <i>Undergraduate degree (Mathematics)</i>	<i>Nationally university of Uzbekistan</i> <i>Karshi State University</i>	<i>2010</i> <i>2008</i>
Employment	Position: <i>Deputy Dean of the Faculty of Mathematics and Computer Science</i>	Employer: <i>Karshi State University, Faculty of Mathematics and Computer Science</i>	Period: <i>2011-present</i>
Research and development projects over the last 5 years	Name of project or research focus: <i>Identification issues and uncertainty and sensitivity analysis in models</i> <i>Discrete models and recurrent relationships</i> Period and any other information: <i>2010-2015;</i> <i>2023-2026;</i> Partners, if applicable: <i>not applicable</i> Amount of financing : <i>\$15,000</i> <i>\$40,000</i>		
Industry collaborations over the last 5 years	<i>My recent work has focused primarily on academic research and theoretical developments, with no formal industry collaborations to date</i>		
Patents and proprietary rights	<i>My research has primarily focused on theoretical developments without resulting in patents or proprietary right</i>		
Important publications over the last 5 years	<i>Selected recent publications from a total of approx. (2020-2025):</i> <i>I.D. Khurramov</i> <i>INTELLIGENT MONITORING OF STUDENT ACTIVITY IN PHP-BASED-LEARNING SYSTEMS</i> <i>Department of Applied Mathematics, Karshi State University</i> https://doi.org/10.5281/zenodo.17959600 <i>I.D. Khurramov, D. Narziyeva</i> <i>TRAFFIC ANALYSIS AND OPTIMIZATION IN COMPUTER NETWORKS</i> <i>Department of Applied Mathematics, Karshi State University</i> https://doi.org/10.5281/zenodo.18029930		

	3. <i>I.D. Khurramov, F.S. Shodmonova</i> <i>DEVELOPMENT OF AN AI-POWERED STUDENT PERFORMANCE ANALYSIS SYSTEM USING PHP</i> <i>Department of Applied Mathematics, Karshi State University</i> https://doi.org/10.5281/zenodo.17959199
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Name	Baratov Bakhodir Soyib ugli		
Post	Teaching area: Functional Analysis, Mathematical Analysis, Operator Theory, Complex Analysis Designation: Senior Lecturer at the Department of Mathematical Analysis and Differential Equations, Doctor of Philosophy in Physical and Mathematical Sciences (PhD).		
Academic career	Undergraduate degree (Mathematics)	Karshi State University	(2012-2016)
	Master's degree (Mathematics)	Karshi State University	(2016-2018)
	Initial academic appointment	Karshi State University	(2019-2020)
	Doctorate (PhD in Mathematical Analysis)	Karshi State University	(2020-2022)
	Senior Lecturer at the Department of Mathematical Analysis and Differential Equations	Karshi State University	(2023-present)
Employment	Position: Senior Lecturer at the Department of Mathematical Analysis and Differential Equations	Employer: Krashi state university, Faculty of Mathematics and Computer Science	Period: 2025-present
Research and development projects over the last 5 years	Name of project or research focus: Dynamics of Cubic Stochastic Operators and Their Applications. Period and any other information: 2025-2027; Partners, if applicable: not applicable Amount of financing : \$100,000		
Industry collaborations over the last 5 years	My recent work has focused primarily on academic research and theoretical developments, with no formal industry collaborations to date		
Patents and proprietary rights	My research has primarily focused on theoretical developments without resulting in patents or proprietary right		
Important publications over the last 5 years	Selected recent publications from a total of approx. Selected from 20+ publications (2020-2025): 1. Baratov, B.S., Jamilov, U.U. On Separable Cubic Stochastic Operators // Qualitative Theory of Dynamical Systems. Vol 23, Issue 2, 2024, https://doi.org/10.1007/s12346-023-00950-5 2. Baratov B.S. The dynamics of a separable cubic operator, Uz. Math.		

	<i>Jour</i>, Vol 68, Issue 2, pp. 21. 2024, https://doi.org/10.29229/uzmj.2024-2-3. 3. Baratov B. S. On dynamics of a separable cubic stochastic operator // <i>Bull. Inst. Math.</i>, 2023, Vol.6, № 1, pp. 17-25.
Activities in specialist bodies over the last 5 years	

Staff Handbook

Name	Eshboyev Erkin Abdirashidovich		
Post	Teaching area: Algorithms and data structures, Artificial intelligence and neural network technology, Programming technologies Designation: Associate Professor, Department of Applied Mathematics		
Academic career	Initial academic appointment Senior Lecturer of the Department of Informatics and Mathematical Modeling Senior Lecturer of the Department of Applied Mathematics Associate Professor of the Department of Applied Mathematics	Karshi State University Karshi State University Karshi State University Karshi State University	1997 2002 2018 2023
Employment	Designation: Associate Professor of the Department of Applied Mathematics	Employer: Krashi state university, Faculty of Mathematics and Computer Science	Period: 2023-present
Research and development projects over the last 5 years	Name of project or research focus: Author of the teaching manual titled "Fundamentals of Programming" I have published several research papers in the field of Artificial Intelligence. Period and any other information: 2021; 2023; Partners, if applicable: not applicable		
Industry collaborations over the last 5 years	My recent work has focused primarily on academic research and theoretical developments, with no formal industry collaborations to date		
Patents and proprietary rights	My research has primarily focused on theoretical developments without resulting in patents or proprietary right		
Important publications over the last 5 years	Selected recent publications from a total of approx. Selected from 20+ publications (2020-2025): 1. Djabbarov O.R., Eshboyev A.E., Klichiva F.G., Shodiyev F.Y., Shonazarov U.N. Modeling multi-component heat transfer processes in multi-dimensional domains https://www.scopus.com/pages/publications/105017640461?origin=resultslist 2. Eshboyev A.E., Shodiyev F.Y., Suyarova A. Prediction of disease resistance of		

	<i>high-quality wheat varieties using method of calculating generalized estimates. E3S Web of Conf., 401 (2023) 04063. DOI: https://doi.org/10.1051/e3sconf/202340104063</i>		
Activities in specialist bodies over the last 5 years	Organisation: <i>Grodno gosudarstvennyy universitet, Vitebskiy gosudarstvennyy universitet, Belarus</i>	Role: <i>Exchange participant</i>	Period: <i>2025</i>

Staff Handbook

Name	Bozorov Akmal Ashirovich		
Post	Teaching area: Fundamentals of Programming, Python Programming Cryptographic Methods Designation: Teacher		
Academic career	Initial academic appointment	Karshi State University	2017
	Undergraduate degree (Applied Mathematics)	Nationally university of Uzbekistan	2015
Employment	Position: Lecturer at the Department of Applied Mathematics	Employer: Krashi state university, Faculty of Mathematics and Computer Science	Period: 2018-present
Research and development projects over the last 5 years	-		
Industry collaborations over the last 5 years	-		
Patents and proprietary rights	My research has primarily focused on theoretical developments without resulting in patents or proprietary right		
Important publications over the last 5 years	Selected recent publications from a total of approx. Selected from 35+ publications (2020-2025): 1. Bozorov, A, A. A FRAMEWORK FOR USING A MOTIVATIONAL APPROACH IN TEACHING THE SCRATCH VISUAL PROGRAMMING LANGUAGE ISSN: 2582-4686 SJIF 2021-3.261, SJIF 2022- 2.889, 2024-6.875 ResearchBib IF: 9.948 / 2024 2. Bozorov, A, A. Vizual Dasturlashga Oid Platformalar Va Ularning Imkoniyatlari, ISSN 2181-7138 3. Bozorov, A, A O'quvchilarning Vizual Dasturlashga Oid Kompetensiyalarini Shakllantirishga Mo'ljallangan Axborot-Ta'lim Muhiti Yaratish Va Foydalanish Usuli		
Activities in specialist bodies over the last 5 years	-		

Staff Handbook

Name	<i>Shovaliyev Bahodir Haqnazarovich</i>		
Post	Teaching area: Network technologies and administration, Computer networks, Information systems architecture, Information and communication technologies and systems in economics Designation: Senior lecturer of the department of "Applied Mathematics"		
Academic career	Senior lecturer of the department of "Applied Mathematics" Head of the Information Technology Center Teacher of the Department of "Applied Mathematics" Higher education degree (mathematics)	Karshi State University Karshi State University Karshi State University Karshi State University	2021 2015 2002 1998
Employment	Position: Senior lecturer of the department of "Applied Mathematics"	Employer: Krashi state university, Faculty of Mathematics and Computer Science	Period: 2022-present
Research and development projects over the last 5 years	Name of project or research focus: New technologies in organizing the educational process in higher educational institutions of Uzbekistan Period and any other information: 2017-2021; Partners, if applicable: Bukhara State University(Uzbekistan), Belgorod State University(Russia) Amount of financing : \$140,000		
Industry collaborations over the last 5 years	My recent work has focused primarily on academic research and theoretical developments, with no formal industry collaborations to date		
Patents and proprietary rights	Software tool for solving transportation problems –DGU-12968, 2021 y. Creating an electronic manual on the subject of "Network Technologies and Administration" –DGU-24728, 2023 y.		
Important publications over the last 5 years	Selected recent publications from a total of approx. Selected from 15+ publications (2020-2025): 1.Norkhol Guzarovna Eshkoraeva, Bahodir Haknazarovich Shovaliev. Decision-making models for forecasting grop yields under conditions of		

	uncertainty. <i>Asian Journal Of Multidimensional Research(AJMR)</i>, Vol. 10, Issue 8, August 2021. https://doi.org/10.5958/2278-4853.2021.00628.5 2. Norkhol Guzarovna Eshkoraeva, Bahodir Haknazarovich Shovaliev, Jahongir Qobil ugli Odilov. <i>Prospects for the development of distance education (in the example of Karshi State University)</i>. <i>ACADEMICIA, An International Multidisciplinary Research Journal</i>, Vol. 11, Issue 9, September 2021. https://doi.org/10.5958/2249-7137.2021.01954.6 3. Shovaliev Bakhodir Khaknazarovich. <i>Organizing Distance Education on the Base of New Technologies (In the Example of Karshi State University)</i>. <i>International Journal of Multicultural and Multireligious Understanding</i>, 9(11), November 2022. http://doi.org/10.18415/ijmmu.v9i11.4263
Activities in specialist bodies over the last 5 years	Organisation: Role: Period:

Staff Handbook

F.I.Sh.	<i>Maxmasoatov Muhiddin G'ayrat o'g'li</i>		
Lavozimi	O'qitish sohasi: yo'nalishi:		
Mehnat faoliyati	<i>Magistratura</i> <i>Bakalavr (Mathematics)</i>	<i>Novosibirsk State University</i> <i>Karshi State University</i>	<i>2019</i> <i>2015</i>
Ish beruvchi	lavozimi <i>Assistant teacher</i>	Ish beruvchi <i>Karshi State University, Faculty of Mathematics and Computer Science</i>	Muddati <i>2025-present</i>
So'nggi 5 yildagi tadqiqot va loyihalari	Loyiha yoki tadqiqot yo'nalishi nomi: Loyiha yoki tadqiqot yo'nalishi nomi: Agar mavjud bo'lsa, hamkorlar: Moliyalashtirish miqdori:		
So'nggi 5 yil ichida sanoat hamkorligi	Loyiha nomi Hamkorlar		
Patentlar va mulkiy huquqlar	Nomi yili		
So'nggi 5 yil ichidagi muhim nashrlar	<i>Taxminan jami nashrlardan tanlangan so'nggi nashrlar.</i> <i>(umumiy sonini ko'rsating):</i> <i>Muallif(lar)</i> <i>Sarlavha</i> <i>Boshqa har qanday ma'lumot</i> <i>Nashriyotchi, nashr etilgan joy, nashr etilgan sana yoki davriy nashr nomi, jild, son, sahifa raqamlari</i> 1. A. Z. Khalilov, E. A. Eshboev, F. Y. Shodiev, M. G. ugli Makhmasoatov, A. Kuzmich. Determining the positive fixed points and their number of the hammerstein integral operator with a separable kernel Vol. 15, No. 3, 2025 ISSN 2076-4847 UDC 517.13 2. Shonazarov Uchqun Nurbek o'g'li, Maxmasoatov Muhiddin G'ayrat o'g'li, Meyliyev Jamshid Alisherovich TIBBIY TASHXIS QILISH MASALALARINI YECHISHDA INTELLEKTUAL TAHLIL USULLARI ANSAMBLARIDAN FOYDALANISH. ISSN:306-4583. https://wosjournals.com/index.php/shokh/article/view/4092/4546		

	3. <i>Maxmaasoatov, M., & Usmanov, A. (2024). Ispolzovanie metodov korrelyatsionnogo i regressionnogo analiza pri prognozirovanii investitsiy v Kashkadarinskoy oblasti: Ispolzovanie metodov korrelyatsionnogo i regressionnogo analiza pri prognozirovanii investitsiy v Kashkadarinskoy oblasti. MODERN PROBLEMS AND PROSPECTS OF APPLIED MATHEMATICS, 1(01). Retrieved from https://ojs.qarshidu.uz/index.php/mp/article/view/44</i>		
So'nggi 5 yil ichida ixtisoslashgan tashkilotlardagi faoliyat	Tashkilot:	Rol:	muddati:

Staff Handbook

Name	Valiyeva Shakhzoda Tuychievna		
Post	Teaching area: Information and communication technology literacy Designation: Intern teacher of the Department of Applied Mathematics.		
Academic career	Bachelor's degree (Informatics Teaching Methodology) Master (Applied Mathematics) Intern teacher of the department of "Applied Mathematics"	Karshi State University Karshi State University Karshi State University	2016 2021 2023
Employment	Position Intern teacher of the department of "Applied Mathematics"	Employer: Krashi state university, Faculty of Mathematics and Computer Science	Period: 2023-present
Research and development projects over the last 5 years			
Industry collaborations over the last 5 years			
Patents and proprietary rights			
Important publications over the last 5 years	Selected recent publications from a total of approx. Selected from 5+ publications (2020-2025): 1. E.A.Eshboyev F.G.Klicheva Sh.T.Valiyeva " IMPLEMENTING INTELLECTUAL ANALYSIS OF PEOPLE WITH HIGH BLOOD PRESSURE ", Fan va JAmiyat,2022. 2.Sh.Q.Shoyqulov,Sh.T.Valiyeva " AUTOMATED TECHNICAL SUPPORT USING AI IN WEB ENVIRONMENTS " EURASIAN JOURNAL OF TECHNOLOGY AND INNOVATION, www.in-academy.uz/index.php/ejti 2025. 3. Sh.Q.Shoyqulov,Sh.T.Valiyeva „ANALYSIS OF EXISTING TECHNOLOGICAL SOLUTIONS FOR VIDEO SURVEILLANCE SYSTEMS AND THEIR LIMITATIONS " EURASIAN JOURNAL OF TECHNOLOGY AND INNOVATION, www.in-academy.uz/index.php/ejti 2025.		
Activities in specialist bodies over the last 5 years			

Staff Handbook

F.I.Sh.	Shoykulov Shodmonkul Qudratovich		
Lavozimi	O'qitish sohasi: theoretical foundations of computer science, information and communication technologies, computer graphics, Web programming technologies yo'nalishi: Associate Professor of the Department of Applied Mathematics		
Mehnat faoliyati	Unvoni: Associate Professor	Karshi State University	2024
	Magistratura	Karshi State University	1998
Ish beruvchi	lavozimi Associate Professor of the Department of Applied Mathematics	Ish beruvchi Karshi State University, Faculty of Mathematics and Computer Science	Muddati 2024-present
So'nggi 5 yildadagi tadqiqot va loyihalari	Loyiha yoki tadqiqot yo'nalishi nomi: AIF-2/17 "New technologies in the organization of the educational process in higher educational institutions of Uzbekistan" Loyiha yoki tadqiqot yo'nalishi nomi: 2019-2021; Agar mavjud bo'lsa, hamkorlar: notapplicable Moliyalashtirish miqdori: \$100,000		
So'nggi 5 yil ichida sanoat hamkorligi	Loyiha nomi Hamkorlar		
Patentlar va mulkiy huquqlar	Nomi yili		
So'nggi 5 yil ichidagi muhim nashrlar	Taxminan jami nashrlardan tanlangan so'nggi nashrlar. (umumiy sonini ko'rsating): Muallif(lar) Sarlavha Boshqa har qanday ma'lumot Nashriyotchi, nashr etilgan joy, nashr etilgan sana yoki davriy nashr nomi, jild, son, sahifa raqamlari Selected from 40+ publications (2020-2025):		

	1. O.Shukurova, R. Pirova, Sh.Shoykulov, A. Bozorov. Modeling and optimization of gas drying process in multifunctional absorbers. First international conference on problems and perspectives of modern science (icppms-2021) konferensiyasi Tashkent. 2. Sh.Shoykulov, Shukurov A.M., Propagation of Non-Stationary Waves Of Transverse Displacement from a Spherical Cavity in an Elastic Half-Space. International Journal of Advanced Research in Science, Engineering and Technology, Vol. 7, Issue 4, April 2020, ISSN: 2350-0328, http://www.ijarset.com/upload/2020/april/13-shshovqulov-02-1.pdf 3. Sh.Shoykulov. Analysis and optimization of graphics programming in C# using Unity. «Science and innovation» xalqaro ilmiy jurnali, Volume 3 Issue 10, https://doi.org/10.5281/zenodo.14000841
So'nggi 5 yil ichida ixtisoslashgan tashkilotlardagi faoliyat	Tashkilot: Rol: muddati:

Staff Handbook

Name	<i>Shukurov Amon Musurmonovich</i>		
Mail	Teaching areas: <i>Methods for solving problems of mathematical physics , computer mathematics systems, numerical methods, spline function methods .</i> Designation: <i>Professor of the Department of Applied mathematicians, professor, doctor of physical and mathematical sciences (DSc).</i>		
Academic career	<i>Initial academic appointment</i> <i>Doctoral degree (mechanics of deformable solids)</i> <i>Candidate's degree (mechanics of deformable solids)</i> <i>Undergraduate degree (Applied Mathematics)</i>	<i>Karshi State University</i> <i>Moscow Aviation Institute</i> <i>Moscow Aviation Institute</i> <i>Tashkent State University</i>	<i>1992</i> <i>2005</i> <i>1992</i> <i>1981</i>
Employment	Position: <i>Professor of Department of Applied Mathematics.</i>	Employer: <i>Karshi State University, Faculty of Mathematics and Computer Science.</i>	Period: <i>2016 – present time</i>
Research and development projects over the past 5 years	Project or research title: <i>project does not exist</i>		
Industry collaborations over the last 5 years	<i>My recent work has focused primarily on academic research and theoretical developments, with no formal industry collaborations to date.</i>		
Patents and proprietary rights	proprietary rights: <i>Algorithm and computational program for solving the problem of nonstationary transverse oscillations of isotropic space with a spherical cavity and a hard sphere. No. DGU 27894, MINISTRY OF JUSTICE OF THE REPUBLIC OF UZBEKISTAN</i>		
Important publications over the past 5 years	<i>Selected recent publications from a total of approx.</i> <i>Selected from 39+ publications (2021-2025):</i> 1. Shukurov A., Propagation of skew-symmetric unsteady shear waves from thick-walled shell in elastic space, <i>E3S Web of Conferences</i> , Vol. 365, 01014 (2023), https://doi.org/10.1051/e3sconf/202336501014 2.. Shukurov A. , and Musurmonova M., Propagation of skew-symmetric non - stationary waves in an elastic spherical layer , <i>AIP Conference Proceedings</i> , Vol. 3004, 040009 (2024). https://doi.org/10.1063/5.0199588 3. Shukurov A. , and Jabborov A. , Unsteady Radial Oscillations of an Elastic Spherical Layer in an Infinite Space of an Ideal Fluid, <i>WSEAS Transactions on Fluid Mechanics</i>, Vol. 20, 2025, pp/ 178-188. https://doi.org/10.37394/232013.2025.20.18		

Activities in specialist bodies over the last 5 years	Organization: <i>Nukus State Technical University</i> Role: <i>Member of the Scientific Council for Awarding Scientific Degrees PhD .13/05.05. 2023.T. 162.01</i> Period: <i>2023 – present</i>
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