

Name	Kuyliyev Bahron Tukhliyevich		
Post	Candidate of Physical and Mathematical Sciences, Professor		
Academic career	Master	Samarkand State University	1980-1985
	Postgraduate student	Saint Petersburg State University	1989-1992
Employment	Head of the Department of General Physics	Karshi State University	17.05.2023 - now
Research and development projects over the last 5 years	№A-13-39 “Разработка методов определения содержания сопутствующих газов и жидкостей (H ₂ S, CO ₂ , H ₂ O и др.) в углеводородах (метан, этан, пропан, бутан и др.)” (2015-2017 years) is the leader of a scientific and practical project on the topic.		
Industry collaborations over the last 5 years	No		
Patents and proprietary rights	B. Kuyliyev, Electronic textbook on the basics of vibrational spectroscopy, № DGU 28160. 23.10.2023.		
Important publications over the last 5 years	Selected recent publications from a total of approx. (give total number): 16 1. Iryna Doroshenko, Diana Kostsiukevych, Marta Onuk, Bahrom Kuyliyev, Askar Nekboev. Influence of an argon matrix on trapped ethanol clusters / Low Temperature Physics. 51, (2025). PP. 480–488. 2. Iryna Doroshenko, Diana Kostsiukevych, Marta Onuk, Bahrom Kuyliyev, Askar Nekboev. Influence of an argon matrix on trapped ethanol clusters / Fizyka Nyzkykh Temperatur / Low Temperature Physics, 2025, Vol. 51, No. 4. PP. 532–543. 3. У.Э. Саломов, Б.Т. Куйлиев *, А.П. Науменко, М.А. Рахмонова. Структура, оптические спектры и природа электронных 4. переходов в основах стирилов и метоксистирилов / Узбекский физический журнал. Том 26 № 3 2024. https://doi.org/10.52304/.v26i3.544 5. А.А.Некбоев, И.Ю. Дорошенко, Б.Т. Куйлиев. Компьютерное моделирование влияния аргонового окружения на димеры метилового спирта / Qardu xabarları, (3)2, -2024. С. 4-8. 6. А.Науменко, У.Саломов, Б.Куйлиев, А.Худайберdiyev. Зондирование высших возбужденных состояний основ стирилов – производных бензотиазола с помощью анализа спектров анизотропии / Qardu xabarları, (3)2, -2024. С. 19-27. 7. Iryna Doroshenko, Diana Kostsiukevych, Marta Onuk, Bahrom Kuyliyev, Askar Nekboev. Influence of argon environment on vibrational spectra of methanol / Trends in Physical Chemistry Vol. 23, 2023. PP. 41-49. 8. М.М. Онук, И.Ю. Дорошенко, Б.Т. Куйлиев*, А.А.Некбоев, Д.Б. Гулмуратова. Квантово-химическое моделирование влияния аргонового окружения на колебательные спектры метанола / Узбекский физический журнал. Том 25 № 4 2023. С. 1-6.		

	9. И.Ю.Дорошенко, Б.Т.Куйлиев, А.А.Некбоев, Л.О.Мейлиев, А.Худойбердиев. Конформационный свойство этанола / Qardu xabarlar, 5/1 (61) - 2023. С. 1-7. 10. I. Doroshenko, M. Onuk, L. Meyliev, B. Kuyliev. Conformational composition of propanol in gaseous state and in matrix isolation / Molecular Crystals and Liquid Crystals 747 (1) 2022, PP. 81-90. 11. И.Ю. Дорошенко, Б.Т. Куйлиев, Ж.Р. Пармонов, М.А. Рахмонова, А.А.Некбоев. Конформационный анализ димеров этанола методом квантово-химического моделирования / Узбекский физический журнал. Том 24 № 2 (2022). С. 106-109. 12. Жумабоев А., Дилмуродов Ш., Кўйлиев Б., Некбоев А. Мейлие Л., Райимов Н. Сочилган ёруғлик спектрида интенсивликни $I_{ }(\nu)$ параллел ва $I_{\perp}(\nu)$ перпендикуляр ташиқил этувчиларининг шаклланиши / Qardu xabarlar, 6/1 (56), -2022. С. 33-36. 13. I. Doroshenko, Y. Vaskivskyi, Y. Chernolevska, L. Meyliev, B. Kuyliev. Molecular isomerization in n-propanol dimers / Ukrainian journal of physics 65 (4) 2020, PP. 291-291. 14. L. Meyliev, B. Kuyliev, I. Doroshenko, Y. Vaskivskyi. Quantum-chemical simulation of conformational diversity of propanol dimers / Uzbek Physics Journal 22 (3) 2020, PP. 182-187. 15. И. Дорошенко, Е. Васкивский, Л. Мейлиев, Б. Куйлиев. Квантовохимическое моделирование конформационного разнообразия димеров пропанола / «Узбекский физический журнал» 22 (3) 2020, С. 182-187. 16. B.T. Kuyliev, A.J. Jumaboev, K.A. Khushvaktov, L.O. Meyliev, A.A. Absonov, Calculated spectra of hydrocarbon components of natural gas / Ukrainian journal of physics 64 (1) 2019, PP. 72-72.
Activities in specialist bodies over the last 5 years	1. Member of the Scientific Council under Samarkand State University, which awards scientific degrees, numbered PhD.03/30.12.2019.FM.02.04. 2. Member of the Scientific Council under Karshi State University, numbered PhD.03/31.03.2021.FM.70.06. 3. Member of the Scientific Seminar under the Scientific Council under Karshi State University, numbered PhD.03/31.03.2021.FM.70.06.

Name	Khayriddinov Botir Egamberdiyevich		
Post	Texnika fanlari doctori, professor (Teaching area and designation)		
Academic career	bachelor	Karshi State University	1971-1976
	Postgraduate student	OFAPhysical and Technical Institute	1975-1978
Employment	Department of General Physics	Karshi State University	22.09.2025 - now
Research and development projects over the last 5 years	№A-4-46 “Piroliz qurilmalar asosida isiqxonaning avtonom issiqlik ta’minoti tizimini ishlab chiqish parandachilikm kompleksini ishlab chiqish va tadqiqotlar o’tkazish” (2018-2020 yillar) Head of the scientific and practical project on the topic.		
Industry collaborations over the last 5 years	"HEATING CENTER" at the Mubarak Gas Processing Plant		
Patents and proprietary rights	B. Xayriddinov, № FAP 2654 “Geliquritgich” Patent 13.10.2023, № FAP 2933 Patent “Toshli issiqlik pol tizim” Patent 29.11.2025		
Important publications over the last 5 years	Selected recent publications from a total of approx. (give total number): 14 1. Хайриддинов, б. Э., & Рузиева, д. Н. (2026). Конвективной сушке влажного материала при заданном законе изменения температуры теплоносителя. Research focus, 5(1), 39-45. 2. Нематов, и. Л., Хайриддинов, б. Э., & Умарова, с. У. (2025). Issiqlik akkumulyatorli quyosh quritgichida qishloq xo’jalik mahsulotlarini quritish kinetikasi. Research focus, 4(9), 24-29.. 3. Хайриддинов, б., Утаев, с., & Мейлийев, э. (2025). Экономичная теплозащита и энергоэффективность систем наружных и внутренних ограждений в птицеводческих помещениях. Science, 4(s1-2), 175-181. 4. Переходов в основах стиролов и метоксистиролов / узбекский физический журнал. Том 26 № 3 2024. https://doi.org/10.52304/v26i3.544 5. Xayriddinov, b. E., G’aniyev, s. Y., & Olimova, d. A. (2025). Yer osti issiqlik akkumulyatoridagi nostatsionar issiklik jarayonini modellashtirish. Research focus, 4(7), 11-19. Хайриддинов, б. Э., Утаев, С. А., Ганиев, С. Ю., & Турдиев, У. Д. (2025). Основы теплотехнических показателей биогаза, полученного в результате переработки органической биомассы. Research focus, 4(3), 25-32.. 6. Неъматов, И. Л., & Хайриддинов, Б. Э. (2025). Комбинациялаштирилган радиацион-конвектив қуёш қуритгичида меваларни дисперс қатлам гидродинамикасини модели. Research focus, 4(1), 64-71. 7. Хайриддинов, Б. Э., Хужакулов, С. М., Неъматов, И. Л., & Мейлиев, Э. М. (2024). Гелиоқурилмаларда иссиқлик ва		

	масса алмашинуви жараёнлари ва ҳаво ҳарорати табақаланиши. Research Focus, 3(4), 12-16. 8. Egamberdiyevich, X. B., & Mirzayevich, X. S. (2025). Quyosh meva quritgichining nostatsionar issiqlik rejimini modellashtirish. 9. Nematov, I. L., & Xayriddinov, B. E. (2024). Issiqlik akkumulyatorli quyosh quritgichda mevalarni quritish jarayonida issiqlik-massa almashinuvi jarayonlarini tadqiq qilish. Research Focus, 3(2), 19-25.. 10. Хайриддинов, Б. Э., Умарова, С. У., & Худойкулова, З. Й. (2023). Математическая модель солнечно-геотермальной системы обогрева теплиц. ҚарДУ ХАБ, 5, 45.. 11. Хайриддинов, Б. Э., Хужакулов, С. М., Нейматов, И. Л., & Мейлиев, Э. М. (2023). Тепломассообменные процессы и температурная стратификация воздуха в гелиоустановках. Research Focus, 2(11), 23-27.. 12. Намазов, Ф. А., Хайриддинов, Б. Э., Эргашев, Х. А. У., & Жалолов, Б. З. У. (2023). К вопросу инженерного расчета рекуперативного теплообменника биогазовой установки для переработки органической биомассы. Academic research in educational sciences, 4(SamTSAU Conference 1), 6-11.. 13. Nematov, I. L., Fayziyev, T. A., Ergashev, S. H., & Xayriddinov, B. E. (2022). Quyosh hajmiy havo qizdirish kollektorli quritgichda mevalarni quritish jarayonida issiqlik-massa almashinuvi jarayonlarini tadqiq qilish. Muqobil energetika, 1(04), 57-62.. 14. Хайриддинов, Б. Э., Эргашев, Ш., & Абдурахимов, Ж. Т. (2022). Оптимизация мощностей систем микроклимата в гелиотеплицы-животноводческого комплекса. Muqobil energetika, 1(03), 68-75..
Activities in specialist bodies over the last 5 years	1. Member of the Scientific Council for the award of scientific degrees in technical sciences at Karshi State Technical University under the number PhD.03/30.09.2020.T.111.03. 2. Member of the Scientific Council for the award of scientific degrees in technical sciences at Samarkand State University under the number PhD.26/27.02.2020.T.109.01. 3. Member of the editorial board of the scientific and technical journal FarPI under the Fergana Polytechnic Institute

Name	Uzokova Gulnoza Saidullayevna		
Post	Physics Teaching Methodology, Professor		
Academic career	Bachelor	Karshi State Pedagogical Institute	1984-1988 yy
	Researcher-intern	Scientific Research Institute of Pedagogical Sciences of the Academy of Sciences of Uzbekistan	1993-1995 yy
	Senior doctoral student	Postgraduate student at Karshi State University.	1995-1997 yy
Employment	Professor of the Department of General Physics	Karshi State University	16.09.2023- y
Research and development projects over the last 5 years	No		
Industry collaborations over the last 5 years	No		
Patents and proprietary rights	No - -		
Important publications over the last 5 years	Selected recent publications from a total of approx. (give total number): 11 1. Uzokova G.S. Fanlararo integratsiya masalasida zamonaviy yondashuvlar. Markaziy Osiyo davlatlari Olima ayollarining ilm-fan sohasiga qo'shgan hissasi Xalqaro ilmiy-amaliy anjuman materiallari (1-kitob). Toshkent: 2020 yil 20 mart 2. Uzokova G.S. Teoreticheskiye aspekti integratsii sodernaniya yestestvenno-nauchnogo obrazovaniya. Nauchno-prakticheskiy elektronniy jurnal "Alleya Nauki" № (48) 497-501. Sentabr,2020 g 3. Uzokova G.S. Optikaga oid tushunchalarni shakllantirish asosida ilmiy dunyoqa-rashni rivojlantirish. Mejdunarodnoy nauchnoy konferensii Tendensii razvitiya fiziki kondensirovannix sred. Fergana - 2021 4. Uzokova G.S. Published in Interdisciplinary Integration in Physics. Academic Journal of Digital Economics and Stability.Special Issue on "Innovative Economy: Challenges, Analysis and Prospects for Development. Published in Aug-2021		

	5. Uzokova G.S. Fanlararo integratsiya-zamonaviy ta'limning asosiy yondoshuvi. QarDU Xabarlaril Ilmiy-nazariy, uslubiy jurnal. 2022 2/1 (52) 6. Uzokova G.S.Xo'jamberdiyeva J. Teoreticheskiye aspekti integratsii sodertaniya yestestvenno-nauchnogo obrazovaniya. Berdaq nomidagi Qaraqalpoq Davlat Universiteti Axborotnomasi. № 2(56) 2022 7. Uzokova G.S Elmurotova D.B. Nanoheterostructures And Nanoheterojunctions Based on Zno/Znse for Nanomedicine Received Journal of Coastal Life Medisine18 October 2022, Revised: 24 November 2022, 8.Uzokova G.S. Xo'jamberdiyeva J Fizik masalalarni echishda modellashtirishdan foydalanish. O'zbekiston Milliy universiteti xabarlaril.2023[1.7.1] ISSN2181-7324 8. Uzokova G.S Difficulties in the formation of physical concepts and ways to overcoming them (on the example of the section "electricity in different environments") Academic Journal of Digital Economics and Stability Special Issue on "Innovative Economy: Challenges, Analysis and Prospects for Development. Published in Aug-2023 9. Uzokova G.S., Elmurotova D.B. "Qaytar aloqa"usulidan foydalanib, skanerlovchi rentgen apparati nosozliklari. FARS Internotional Journal of Edikation Social Sciense G Humaniteis(FIJESH) ISSN2945 -4492 SJIF-Impact-factor(2022):6.786. 2023 10. Uzokova G.S., Xo'jamberdiyeva J. Ta'lim oluvchilarda o'quv-tadqiqotchilik faoliyatini shakllantirish muammolari. Ta'lim va innovatsion tadqiqotlar. № 2, 2023 fevral 11. Uzokova G.S., Xo'jamberdiyeva J. Fizika ta'limida o'quv-tadqiqot faoliyatini shakllantirish tamoyillar. ФарДУ. Илмий хабарлар – Научний вестник ФерГУ . 2024/№3 12.UzokovaG.S.,Xo'jamberdiyevaJ. Научное содержание физических понятий и их значение. "Экономика и социум" №5 (120) 2024 fevral 13. Uzokova G.S., Xo'jamberdiyeva J., Mannonov Z.U. Scientific content of physical concepts and significa. British Journal of Global Ecology and Sustainab-le Development. Volume-34, November- 2024 ISSN (E): 2754-9291 14.Uzokova G.S.,Nishonova N.R., Kulueva F.G. Elmurotova D.B. , Xo'jamberdiyeva J. Mashaits: Islamic interpretation of the greek philosophical heritage SEEJPH. Volume XXV, S2, 2024, ISSN: 2197-5248; Posted:05-12-2024
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	15. Uzokova G.S., Xo‘jamberdiyeva J. Fizika ta’limida o‘quv-tadqiqot faoliyatini tarkiblashtirish tamoyillari. NamDU Ilmiy Axborotnomasi 2024/№12 16.Uzokova G.S., Xo‘jamberdiyeva J. Atom fizikasini o‘qitishda zamonaviy ta’lim texnologiyalaridan foydalanish imkoniyatlari. O‘zMU XABARLARI - ВЕСТНИК НУУЗ. Mirzo Ulug‘bek nomidagi O‘zbekiston Milliy universiteti ilmiy jurnali.2025/№6		
Activities in specialist bodies over the last 5 years	1. Scientific seminar under the Scientific Council numbered PhD.03/04.06. 2020.Ped.70.02 at Karshi State University, which grants scientific degrees in pedagogical sciences Scientific Seminar under the Scientific Council Member Resolution of the Presidium of the Supreme Attestation Commission of the Republic of Uzbekistan dated June 15, 2023 No. 339/2 2. One-time scientific council based on the Scientific Council numbered PhD.03/31.03.2021. FM.70.06 at Karshi State University Member of the Scientific Council Resolution of the Presidium of the Supreme Attestation Commission of the Republic of Uzbekistan dated July 30, 2024 No. 512 3. PhD.03/31.03.2021 at Karshi State University. Member of the scientific seminar under the council number FM.70.06 Resolution of the Presidium of the Higher Attestation Commission of the Republic of Uzbekistan dated April 8, 2024 No. 01/06 807/24 4 Member of the Commission for Entrance Examinations (Specialization) to the Doctoral, Basic Doctoral, Internship Research Institute in accordance with the order of the Rector of Karshi State University dated November 16, 2024 No. 777X		

Name	Umarova Saida Urokovna		
Post	Teacher, General Physics Course		
Academic career	Bachelor	Tashkent State University	1987-1992 yy
	Freelance Researcher	Karshi State University	1995-1997 yy
Employment	Professor of the Department of General Physics	Karshi State University	2025 - y
Research and development projects over the last 5 years	No		
Industry collaborations over the last 5 years	No		
Patents and proprietary rights	No - -		
Important publications over the last 5 years	Selected recent publications from a total of approx. (give total number): 11 1. Xayriddinov B.E., Umarova., “Namunaviy gelio uylarning atrof to’siqlarida mahalliy issiqlik saqlovchi qatlam qalinligi orqali issiqlik uzatilishini hisoblash“. Me’morchilik va qurilish muammolari №1 2025. i ISSN 2901-5004 2. Xayriddinov B.E., Umarova S.U., Ne’matov I.L., Xujakulov S.M. “Suvli issiqlik akkumulyatoriga ega quyosh quritgichi“. Me’morchilik va qurilish muammolari №1 2025. i ISSN 2901-5004 3. Xayriddinov B.E., Ne’matov I.L., Meyliyev E.M., Umarova S.U. “Quyosh energiyasidan foydalanib takomillashtirilgan meva va sabzavotlarni quritish qurilmasini tadqiq etish „ Qardu xabarlarlari 2025 1(2) 4. Nematov I.L. Xayriddinov B.E., Umarova S.U. “Issiqlik akkumulyatorli quyosh quritgichida qishloq xo’jalik mahsulotlarini quritish kinetikasi“ Research Focus International Scientific Journal https://doi.org/10.5281/zenodo.13998746 2024. 5. T.A. Faiziev, Zh.D. Sadykov, Sh.K. Yakhshiboev, S.U. Umarova, and B.M. Suyunov Influence of the heat accumulator’s storing capacity to increase the efficiency of helogreenhouses E3S Web of Conferences 583, 04007 (2024) https://doi.org/10.1051/e3sconf/202458304007 6. Study of the Electrophysical Properties of "Surkhon-104" Grade Cotton Fibers Alloyed with KMnO₄ Umarova Saida Urokovna Physical Science International Journal Volume 28, Issue 5, Page 62-66, 2024; Article no.PSIJ.118944 ISSN: 2348-0130		

	7. A.T. MAMADALIMOV, S.U. UMAROVA, N.K. KHAKIMOVA, SH.M. NORBEKOV, D.E. XAZRATOV “ Study of the electrophysical properties of "surkhon-104" grade cotton fibers alloyed with KMnO₄“ ЗАХИРИДДИН МУҲАММАД БОБУР НОМИДАГИ АНДИЖОН ДАВЛАТ УНИВЕРСИТЕТИ ИЛМИЙ ХАБАРНОМА. 2024/№1(6) 8. Неъматов И.Л., Умарова С., Хайриддинов Б. Технологический и температурно-влажностный режим в гелиосушильной камере с аккумулятором тепла. Qardu xabarlar. 2024 2(2) 9. Umarova Saida Uraqovna ORGANIZATION OF TECHNICAL SUPPORT FOR MEDICAL EQUIPMENT AND ITS RULES World Bulletin of Public Health (WBPH) Available Online at: https://www.scholarexpress.net Volume-33, April 2024 ISSN: 2749-3644 10. Umarova Saida Uroqova Radiation Kilovoltmeter for X-Ray Diagnostic Equipment. Texas Journal of Engineering and Technology https://zienjournals.com ISSN NO: 2770-4491 Date of Publication:10-04-2023
Activities in specialist bodies over the last 5 years	

Name	Khojamberdiyeva Jamila Norkobilovna		
Post	Acting Associate Professor		
Academic career	Bachelor	Karshi State University	1995-1999
	Master	Karshi State University	2009-2011
Employment	Professor of the Department of General Physics	Karshi State University	2025 - y
Research and development projects over the last 5 years	no		
Industry collaborations over the last 5 years	no		
Patents and proprietary rights	no		
Important publications over the last 5 years	Selected recent publications from a total of approx. (give total number): 5 1.Khojamberdiyeva J. N., Nishonova N.R., Kulueva F.G., Elmurotova D.B., Uzokova G.S. Mashaits: islamic interpretation of the greek philosophical heritage// //SEEJPHVolume XXV, S2, 2024. Pp.516-522 2.Xo'jamberdiyeva J.N., Uzokova G.S. Scientific content of physical concepts and significance//British Journal of Global Ecology and Sustainable Development Volume-34, ISSN (E): 2754-9291/ 2024-yil November.-106-116 betlar 3.Khojamberdiyeva J. N. The role of design in the formation of students' research activities based on the structuring of educational material in physics// International Journal of Studies in Advanced Education. -№2.2023. Pp.65 -68 4.Xo'jamberdiyeva J.N., Elmurotova D.B., Meyliyev L.O., Musayeva M.A., Mamadiyeva N.X. Structural Change in SiO2 Glass After Gamma Irradiation//Journal of Pharmaceutical Negative Results Volume 13 Special Issue 8 2022-yil. DOI: 10.47750/pnr.2022.13.S08.241.Pp.1978-1982 5.Khojamberdiyeva J. N.. Problems of designing and organizing educational and research activities of learners.// Science and Innovation international scientific. October- 2023.Pp.65 -68		
Activities in specialist bodies over the last 5 years	no		

Name	Botirov Hayotjon Zokir o'g'li		
Post	General Physics Course, Assistant Teacher		
Academic career	Bachelor	Karshi State University	2014-2028
	Master	Karshi State University	2019-2021
	Researcher -intern	Advanced Technologies Center under the Ministry of Innovative Development	2023-2024
	Independent Researcher (PhD)	Karshi State University	2024- now
Employment	Assistant Teacher of the General Department Karshi State University	Karshi State University	2024 - now
Research and development projects over the last 5 years	No		
Industry collaborations over the last 5 years	No		
Patents and proprietary rights	No - -		
Important publications over the last 5 years	Selected recent publications from a total of approx. (give total number): 16 1. Ботиров Х.З., Курбонов А.К., Рахматуллаев И.А., Чернега Н.В. Оригинальный метод диагностики слабых оптических сигналов вторичного излучения в порошках с помощью фотонных ловушек // Сборник тезисов Научно-практической конференции для молодых ученых «Современные проблемы физики, энергетики и теплотехники», 18 ноября 2022 года. – ТФ НИЯУ МИФИ, Ташкент, С.25-27. 2. Рахматуллаев И.А., Ботиров Х.З., Курбонов А.К., Хайдаров Х.С., Ахмедова Ш.Ш., Абдурахматова М.П. Способ регистрации слабых сигналов с помощью резонаторных кювет и импульсно-периодических лазерных источников // Научный Вестник СамГУ. – 2023, №1(137/1), С. 58-65. 3. Рахматуллаев И.А., Ботиров Х.З., Курбонов А.К., Абдурахматова М.П., Ахмедова Ш.Ш. Спектры фотолюминесценции микропорошков аналгина при одно- и двухфотонном возбуждении // ҚарДУ Хабарлари. – 2023, №1/1, С. 23-27. 4. Рахматуллаев И.А., Курбонов А.К., Ботиров Х.З., Ахмедова Ш.Ш., Абдирахматова М.П. Одно- и		

	двухфотонно-возбуждаемая люминесценция в микро- и нанопорошках алмаза при наносекундном возбуждении // Новости КарГУ. – 2023, №4/1, С. 45-49. 5. I.A.Rakhmatullaev, A.K.Kurbonov, Kh.Z.Botirov, S.F. Umanskaya, M.A. Shevchenko, A.N. Maresev, A.D. Kudryavtseva, A.Yu. Pyatyshev, N.V. Tcherniega. Spectral and temporal properties of 5-phenyl-2-[4-(5-phenyl-1,3-oxazol-2-yl)phenyl]-1,3-oxazole (POPOP) multiphoton-excited luminescence // Journal of Luminescence. – 2023, Vol. 263, pp. 120098. https://doi.org/10.1016/j.jlumin.2023.120098 (Scopus) 6. Рахматуллаев И.А., Чернега Н.В., Кудрявцева А.Н., Ботиров Х.З., Илхомжонов М.О. Двух и трехфотонно-возбуждаемая люминесценция в порошках РОРОП при лазерном возбуждении // Материалы Республиканской научно-практической конференции «Проблемы и перспективы оптики и лазерной физики», посвященной 80-летию образования Академии наук Республики Узбекистан, 26 октября 2023 года. Ташкент, Узбекистан, С.19-20. 7. Рахматуллаев И.А., Чернега Н.В., Ботиров Х.З. Энергетические характеристики двухфотонно-возбуждаемой люминесценции в 5-phenyl-2-[4-(5-phenyl-1,3-oxazol-2-yl)phenyl]-1,3-oxazole (POPOP) при импульсно-периодическом лазерном возбуждении // Журнал “Энерго- и ресурсосбережения. – 2023. №3, С.175-182. 8. Рахматуллаев И.А., Ботиров Х.З., Чернега Н.В., Хайдаров Х.С. Двухфотонно-возбуждаемая люминесценция в полициклических ароматических соединениях // Научный Вестник СамГУ. – 2023. №3/2 (139), С.133-138. 9. Ботиров Х.З., Рахматуллаев И.А. Особенности спектров двухфотонно-возбуждаемой люминесценции ряда полициклических ароматических соединений при импульсно-периодическом лазерном возбуждении // Сб.тезисов Научно-практической конференции для молодых ученых «Современные проблемы физики, энергетики и теплотехники», 23 ноября 2023 года. – ТФ НИЯУ МИФИ, Ташкент, С.162-164. 10. Рахматуллаев И., Илхомжонов М., Ботиров Х. Комбинационное рассеяние света в микроструктурах оксида цинка // Сборник тезисов докладов IX Международного симпозиума по когерентному оптическому излучению полупроводниковых соединений и структур (КОИПСС2023), 29.11.– 1.12.2023 года. – ФИАН, г. Москва, Россия, С.66. 11. Рахматуллаев И.А., Чернега Н.В., Ботиров Х.З., Илхомжонов М.О., Нуржанова Н.Д. Спектры двух и трехфотонно-возбуждаемой люминесценции в порошках РОРОП при лазерном возбуждении // Вестник
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	Ташкентского филиала НИЯУ МИФИ. – 2023, № 2. – С.29-33. 12. Rakhmatullaev I.A., Bunkin N.F., Botirov Kh.Z. Features of Raman spectra in powders of aromatic compounds placed in photon traps // Материалы The Third International Forum “Physics – 2024”, 23-25 апреля 2024 года, г.Самарканд, Узбекистан, 1 стр. 13. И.А. Рахматуллаев, Н.Ф. Бункин, М.Х. Давронов, Х.З. Ботиров, М.Туйчиев, Т.И. Нурмуродов. Метод регистрации слабых сигналов комбинационного рассеяния в неорганических и органических порошках с использованием фотонных ловушек // Вестник Ташкентского филиала НИЯУ МИФИ. – №1, 2024, С.6-17. 14. Ilyos Rakhmatullaev, Nikolay Tcherniega, Hayotjon Botirov. Spectra of Two- and Three-Photon-Excited luminescence in POPOP Powders under Laser Excitation // Сборник тезисов Между. научно-практ. конф. «Актуальные проблемы когерентной оптики и лазерной физики», 6 - 7 ноября 2024 года, Ташкент: ТашГТУ, Узбекистан, С.37-40. 15. Rakhmatullaev I.A., Botirov X.Z. Amplication of Raman Signals in Microstructured Objects // Сборник тезисов Первой Между. научно-техн. конф. «Современные проблемы физики, энергетики и теплотехники», 5 декабря 2024 года, Самарканд, Узбекистан, С.206-207. 16. Ilyos Rakhmatullaev, Nikolay Bunkin, Isakul Urinov, Tulkin Nurmurodov and Hayotjon Botirov. Raman spectra of powders of aromatic compounds // VII International Conference on Applied Physics, Information Technologies and Engineering (APITECH-VII-2025), EPJ Web of Conferences, – 2025, Vol. 321, 02008 (Scopus). https://doi.org/10.1051/epjconf/202532102008
Activities in specialist bodies over the last 5 years	

Name	Salomov Umid Erkinovich		
Post	Lecturer, General Physics		
Academic career	Master	Karshi state university	2013
	Bachelor	Karshi state university	2011
Employment	Lecturer, Department of General Physics	Karshi state university, Faculty of Physics	2021-present
Research and development projects over the last 5 years	Спектральные проявления внутримолекулярных электронных процессов в органических красителях		
Industry collaborations over the last 5 years	-		
Patents and proprietary rights	-		
Important publications over the last 5 years	Selected from 12+ publications (2020-2025): 1. Науменко А.П. (Киевский национальный университет), Куйлиев Б.Т., Саломов У.Э., Чавкаева З., Рахмонова М.А., Раимов Н.К. (КарГУ) Спектры комбинационного рассеяния цисплатина и трансплатина 2. Науменко А.П. (Киевский национальный университет), Куйлиев Б.Т., Саломов У.Э., Шайманова Ф.М., Раимов Н. (КарГУ) Исследование характеристика лекарственных препаратов цисплатина и трансплатина с использованием метода раман спектроскопии. 3. А.Науменко У. Саломов Б. Куйлиев А. Xudayberdiyev. Зондирование высших возбужденных состояний основ стиролов – производных бензотиазола с помощью анализа спектров анизотропии //		
Activities in specialist bodies over the last 5 years			

Name	Dilmurodov Shavkat Dilmurod oglu		
Post	General Physics Course, Assistant Teacher		
Academic career	Bachelor	Karshi State University	2015-2019
	Master	Karshi State University	2021-2023
Employment	Umumiy Fizika kafedrası o'qituvchisi	Karshi State University	07.11.2024- now
Research and development projects over the last 5 years	No		
Industry collaborations over the last 5 years	No		
Patents and proprietary rights	No		
Important publications over the last 5 years	Selected recent publications from a total of approx. (give total number): 1. Жумабоев А., Дилмуродов Ш., Қўйлиев Б., Некбоев А. Мейлие Л., Райимов Н. Сочилган ёруғлик спектрида интенсивликни $I_{ }(\nu)$ параллел ва $I_{\perp}(\nu)$ перпендикуляр ташиқил этувчиларининг шаклланиши / Qardu xabarları, 6/1 (56), -2022. С. 33-36.		
Activities in specialist bodies over the last 5 years			

Name	Nekboyev Asqar Abduvali o'g'li		
Post	General Physics Course, Assistant Teacher		
Academic career	Master	Nationally university of Uzbekistan	2018
	Bachelor	Nationally university of Uzbekistan	2015
Employment	Lecturer, Department of General Physics	Karshi state university, Faculty of Physics	2022-present
Research and development projects over the last 5 years	Studying the influence of the environment on the structure and vibrational spectra of hydrogen-bonded clusters 2023-2026		
Industry collaborations over the last 5 years			
Patents and proprietary rights			
Important publications over the last 5 years	Selected from 22+ publications (2020-2025): 1. Iryna Doroshenko, Marta Onuk, Askar Nekboev, Bahrom Kuyliev. Influence of an argon matrix on trapped ethanol clusters // Low Temperature Physics, 51, 2025, 480-488, https://doi.org/10.1063/10.0036207 2. I.Doroshenko, D.Kostsiukevych, M.Onuk, A.Nekboev, B.Kuyliev. Influence of argon environment on vibrational spectra of methanol // Trends in Physical Chemistry, Vol. 23, 2023. 41-49, http://www.researchtrends.net/tia/abstract.asp?in=0&vn=23&tid=16&aid=7356&pub=2023&type= 3. I. Doroshenko, A. Nekboev, B. Kuyliev. Influence of the environment on structure and vibrational spectra of methanol clusters // Ukr. J. Phys. Vol. 71, No. 1, 2026, 39-47, https://doi.org/10.15407/ujpe71.1.39		
Activities in specialist bodies over the last 5 years			

Name	Fazliddin Qodirov		
Post	Teaching area: Humanities Designation: Social philosophy		
Academic career	Master's Degree in Philosophy	Karshi state university	2005
	Doctor of Philosophy (PhD) in Philosophy	Karshi state university	2022
	Associate professor	Karshi state university	2025
Employment	Position: Department of Philosophy and Sociology	Employer: Karshi State University, Faculty of Social Sciences	Period: 2026-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. Kadyrov Fazliddin Yuldoshovich., Social Significance of Civic Culture. 2026; 38-43 P. https://journal.univerpublishing.org/index.php/synergy/article/view/3323/2800 (in Uzbek) 2. Qashqadaryo o'rta maxsus o'quv yurtlarining sovet davri tarixi. 2025. Monografiya. №978-9910-578-67-0 (in Uzbek) 3. Qodirov Fazliddin Yuldoshovich. TARBIYA SHAKLLARINING FUQAROLIK MADANIYATINI SHAKLLANTIRISHDAGI O'RNI. 60-63-betlar. 6-son (iyun 2025) www.ilsarchashmalari.uz (in Uzbek) 4. Qodirov Fazliddin Yuldoshovich. Shaxs fuqarolik madaniyatini SHAKLLAntiruvchi shart-sharoitlar. Imom Buxoriy saboqlari. 110-113-betlar. 2024 yil 3-son. WWW.bukxari.uz. (in Uzbek)		

Activities in specialist bodies over the last 5 years	Organisation:	Role:	Period:
	Horizon Research Publishing, CIIIA	Reviewer	2026-present
	Scientific council Scientific secretary 2022-present awarding scientific degrees PhD.03/30.06.2020. FM.70.04 Karshi state university		

Name	Dilshod Sunatov		
Post	Teaching area: Humanitarian Designation: Religious studies		
Academic career	Associate professor	Karshi State University	2024
	PhD in Philosophy	Samarkand State University	2022
	Master's Degree in Philosophy	Uzbekistan national university named after Mirzo Ulugbek	2014
Employment	Position: Department of National idea, foundations of spirituality	Employer: Karshi State University, Faculty of Social Sciences	Period: 2014-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. Sunatov Dilshod. Milliy madaniy makonda axloqiy ongga ta'sir qiluvchi omillar. Proceedings of International Educators Conference. 2024. Issue 3/1 (in Uzbek) 2. Sunatov Dilshod. Interethnic Communication-a Factor in the Stability of Cultural Space. American Journal of Pedagogical and Educational Research. 2023/12 3. Sunatov Dilshod. Influence on moral consciousness in the national cultural space factors. Zien Journal of Social Sciences and Humanities ISSN NO: 2769-996X https://zienjournals.com Date of Publication: 11-10-2022. Impact Factor: SJIF 2022 = 5.818. –USA. 31-34 P. 4. Sunatov Dilshod. Features of the cultural space affecting morality. Proceedings of International Educators Conference Hosted online from Rome, Italy. Date: 25th Oct., 2023 ISSN (E): 2835-396X; Impact Factor: SJIF 2023 = 5.036. 1-6 P. Website: econferenceseries.com		
Activities in specialist bodies over the last 5 years	-		

Name	Meyliyeva Hilola Shuxratovna		
Post	Teaching area: Environmental sciences Designation: Ecology and Environmental Protection		
Academic career	Master's degree	Karshi Engineering Economics Institute	2015
	Bachelor's degree	Karshi Engineering Economics Institute	2010
Employment	Position	Employer	Period
	Lecturer at the Department of Agronomy and Ecology	Karshi State University, Faculty of Geography and Agronomy	2016-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	Not applicable		
Activities in specialist bodies over the last 5 years	Not applicable		

Name	Tohir Qurbonov		
Post	Teaching area: Humanitarian Designation: Social philosophy		
Academic career	Associate professor	Karshi state university	2006
	Candidate in Philosophy	Karshi state university	2009
	Master's Degree in Philosophy	Karshi state university	1996
Employment	Position: Department of Philosophy and Sociology	Employer: Karshi State University, Faculty of Social Sciences	Period: 2026-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. Qurbonov T.H., O‘zbek milliy mentalitetida milliylik va umumbashariylik birligi. tafakkur ziyosi 2024; 2023 yil, 66-69-betlar (in Uzbek) 2. Qurbonov T.H., O‘ZBEK MILLIY MENTALITETIDA FAN VA ADABIYOTNING O‘RNI. (in Uzbek) 3.O‘zbekiston milliy universiteti xabarлари, 2025, [1/9] ISSN. 101-103 bet. 2181-7324.http://journals.nuu.uz (in Uzbek) 4. Qurbonov T.H. O‘zbekistonda jamiyat transformatsiyasining asosiy yo‘nalishlari.https://qarshidu.uz/oz/page/ilmiy-jurnal-NEW.62-66 B. (in Uzbek)		
Activities in specialist bodies over the last 5 years	Tashkilot: Horizon Research Publishing Scientific council awarding scientific degrees PhD.03/30.06.2020.FM.70.04 Karshi state university	Rol: Reviewer Scientific secretary	muddati: 2026-present 2022-present

Name	Zulpikar Tuymuradov		
Post	Teaching area: Occupational safety and health Designation: Occupational health and safety		
Academic career	Associate professor	Karshi state university	1978
	Candidate of Technical Sciences	Central Asian Research Institute of Mechanization and Electrification of Agriculture	2022
	Master of Engineering	Andijan Institute of Cotton Growing	1978
Employment	Position	Employer	Periodi
	Head of the Department of Technological Education	Karshi state university, Faculty of Pedagogy	2022-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	Water outlet IAP 8320 2025 yili		
Important publications over the last 5 years	1. Tuymuradov Z..Kh., Nurmamatova R.R.. Life safety. (Textbook). Publishing house “Karshi state university”. 2024. 196. page. 2. Tuymuradov Z..Kh., Life safety. (Tutorial). Publishing house “Karshi state university”. 2024. 196. page. 3. Tuymuradov Z..Kh. ТЕХНОЛОГИЯ ДИСТАНЦИОННОЙ РАСКЛАДКИ ГИБКИХ ПОЛИВНЫХ ТРУБОПРОВОДОВ. THE MULTIDISCIPLINARY JOURNAL OF SCIENCE AND		

	TECHNOLOGY. VOLUME-5, ISSUE-1. 10.01.2025. https://mjstjournal.com/index.php/mjst/article/view/2372 4. Zulpikar Tuymuradov. REGARDING THE ETHNIC GROUP OF TOKHORS. Oriental Journal of History, Politics and Law. Published Date 2025-02-12 Pages 207-214. https://doi.org/10.37547/supsci-ojhpl-05-02-23		
Activities in specialist bodies over the last 5 years	Organisation: Scientific seminar under the auspices of the Scientific Council of Karshi State Technical University, No. PhD.03/2025.27.12. T.17.03	Role: seminar member	Period: 2026-present

Name	Eldor Baratov		
Post	Teaching area: Humanities Designation: Psychology		
Academic career	Doctor of Philosophy (PhD) in Philosophy	Karshi state university	2012
	Master's Degree in Philosophy	Karshi state university	2005
Employment	Position: Department of Philosophy and Sociology	Employer: Karshi State University, Faculty of Social Sciences	Period: 2026-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. BORATOV ELDOR MUHITDINOVICH. THE JADIDS' STRUGGLE FOR JUSTICE. 51-55 P. https://ijmra.us/project%20doc/2025/IJPSS_NOVEMBER2025/IJPSS6Nov25.pdf (in Uzbek) 2. E. Boratov. Alisher Navoi on justice. Vol. 73, Issue 3, July-Sep: 2024 www.journaloi.com P.373-376. (in Uzbek) 3. Eldor Boratov. JUSTICE – WITHIN THE SYSTEM OF SPIRITUALITY. International scientific-online conference. 42-45 P. https://doi.org/10.5281/zenodo.15401697 (in Uzbek) 4. E. Boratov. The jadids' struggle for justice. https://doi.org/10.5281/zenodo.15401716. P.141-144. (in Uzbek)		
Activities in specialist bodies over the last 5 years	Organisation: Horizon Research Publishing	Role: Reviewer	Period: 2026-present
	Scientific council awarding scientific degrees PhD.03/30.06.2020.FM.70.04 Karshi state university	Scientific secretary	2022-present

Name	Yuldash Babajanov		
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
			2008
	Dean of the Faculty of General Technical Disciplines	Karshi state university	2014
	Associate Professor of the Department of Energy	Karshi state university	2023
	Associate Professor of the Department of industrial engineerin		
Employment	Position: Associate Professor of the Department of industrial engineering	Employer: Karshi State University, Faculty of Physics	Period: 2023
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: not applicable 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	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. 1. Babajanov Y., Eshev S., Zaripov M., Isakov A., Norchaev A. Flov of liquid in a tapering chanel Oriental Renaissance: Innovative, educational, natural and social sciences, 3(12), Dec., 2023 www.oriens.uz 2. 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 3. 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 4. O. Bazarov., Y. Babajanov, I. Babajanova, R. Usmanov,B. Bazarov Kinematic structure of the flov 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:

Name	Sattarova Gulnora Ikromovna		
Post	Teaching area: Humanities yo'nalishi: Psychology		
Academic career	Doctor of Psychological Sciences	Department of Psychology, Karshi State University	2025 - present
	Associate Professor	Department of Psychology, Karshi State University	2021–2025
	Senior Lecturer	Department of Psychology, Karshi State University	2007-2021
Employment	Position: Doctor of Psychological Sciences	Position: Karshi state university, Faculty of Mathematics and Computer Science	Period: 2022-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. Sattarova Gulnora. Empirical Study of Emotional-Volitional Development in Adolescents with Musculoskeletal Disorders. Psychology of the 21st Century. Collection of scientific papers from the International Conference “Psychology of the 21st Century” (March 16–18, 2025), pp. 241–245. 2. Sattarova Gulnora. Analysis of Causal Relationships in the Formation of Emotional-Volitional Qualities in Adolescents with Disabilities. Scientific Bulletin of Bukhara University of Psychology and Foreign Languages, Scientific-Practical Journal, No. 9, 2025, ISSN 3030-3710 (Print), ISSN 3030-3039 (Online), pp. 36–42. 3. Sattarova Gulnora. Formation of Emotional-Volitional Qualities in Adolescents with Disabilities. Science and Education News, 2025, Issue 3, pp. 39–48. 4. Sattarova Gulnora. Emotional-Volitional Development of Healthy and Disabled Adolescents. Materials of the Republican Scientific-Practical Conference on Creating an Educational Environment that Develops Educators’ Abilities, Samarkand, 2025, pp. 53–61.		

	5. Sattarova Gulnora. Systematic Approaches to the Formation of Emotional-Volitional Qualities in Adolescents with Disabilities. Bulletin of Integrative Sciences, Issue 36, Part 2, 2025, pp. 300–307. 6. Sattarova Gulnora. Psychological Factors in the Formation of Volitional Qualities in Early Adolescents. International Scientific-Practical Conference “Contemporary Scientific Research in Education and Medicine: Urgent Issues, Achievements, and Innovations,” Bukhara, November 17–19, 2025, pp. 279–283.
Activities in specialist bodies over the last 5 years	-

Name	Quvvatova Nodira Qodirovna		
Post	Teaching area: Humanities Designation: History		
Academic career	Associate Professor	Karshi state university	2021
	Candidate of historical subjects	Karshi state university	2010
	Higher education	Karshi state pedagogical institute	1992
Employment	Employer: Associate Professor	Employer: Karshi State University, Department of History of Uzbekistan	Period: 2021 y
Research and development projects over the last 5 years	Socio-economic life of the villages of the Kashkadarya region. (20-80s of the 20th century) Socio-economic life of the villages of the Kashkadarya region. (1924-2024)		
Industry collaborations over the last 5 years	Not applicable		
Patents and proprietary rights	In archival science № DGU 21363 2022 y		
Important publications over the last 5 years	1. Kuvvatova N.M. (2022) Living Standarts and Problems of the Rural Population During the Sovet Period. Pindus journal of culture, literature and ELT. ISSN: 2792-1883. Vol.2, No.1. P.76-79. 2. Kuvvatova N.M. (2022) Innovative Approach in Formation of Education and Development of Human Capital in the Conditions of Globalization. Web of scientist: International scientific research journal. SSN: 2776-0979, Vol.3, Issue 2. P. 77-81. 3. Quvvatova Nodira. (2023) Changes in the Field of Agrar of Uzbekistan in the 1990s. Innovative technologica, methodical research journal, ISSN:2776-0987, Vol.4, Issue 5. P.240-248. 4. N. Quvvatova (2023) O'zbekiston qishloq xo'jaligi ikkinchi jahon urushi yillarida. Xorazm Ma'mun akademiyasi axborotnomasi, 12-5/2023. 133-136-b. 5. N.Q..Quvvatova (2025) General Sobir Rahimovning ikkinchi jahon urushida ko'rsatgan qahramonliklari. Xorazm Ma'mun akademiyasi axborotnomasi – 9/3-2025. 130-132-b.		
Activities in specialist bodies over the last 5 years	-		

Name	Oysara Karakhonova		
Post	Teaching area: Humanitarian Designation: General pedagogy		
Academic career	Associate professor	Karshi state university	2022
	Doctor of Philosophy (PhD) in Pedagogical Sciences	Karshi state university	2021
	Master's degree	Karshi state university	2005
	Bachelor (Pedagogue-economist)	Karshi state university	2000
Employment	Position	Employer	Period
	Head of the department of Pedagogy	Karshi state university, Faculty of Pedagogy	From February 6, 2024
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. Oysara Karakhonova. "Pedagogik akmeologiya"-2025y. Xalqaro ilmiy metodik jurnal. 3(20). Talabalarda sanogen fikrlash bilan bog'liq tushunchalarning xususiyatlari. 2. Oysara Karakhonova. Elektronik edicatsion. Jurnal 2023/III синф ўқувчиларининг саноген fikrlashini shakllantirishda kompyuter o'yinlarining ta'siri.97-105 b. 3. Oysara Karakhonova. Fan va jamiyat Ilmiy-uslubiy jurnal. 2022. №3 "O'quvchilar va o'qituvchilarning sanogen fikrlashini shakllantirish" 39-40 b. 4. 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		

	5. Oysara Karakhonova. Development of science. Ilmiy jurnal. ISSN 3030-3907. Dekabr-2024/6. 186-193 b. Talabalarda sanogen fikrlash ko‘nikmasini shakllantirishning didaktik asoslari 6. Oysara Karakhonova. Development of science. Ilmiy jurnal. ISSN 3030-3907. Dekabr-2024/6. 193-204 b. Sanogen fikrlashni shakllantirishning 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	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 OSOBENNOSTI OBIQJENIYa 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 3to 79 (in Uzbek)		
Activities in specialist bodies over the last 5 years	Not applicable		

Name	Murodov Shuhrat Daliyevich		
Post	English English teacher		
Academic career	Initial academic appointment	Karshi state university	2019
	Habilitation		
	Doctorate		
	Undergraduate degree		
Employment	Position: Teacher of the Interfaculty Department of English	Employer: Karshi state university, Faculty of Foreign Languages	Period: 2019-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	-		
Patents and proprietary rights	-		
Important publications over the last 5 years	Selected recent publications from a total of approx. Selected from 5+ publications (2019-2025): 1. Murodov Shukhrat. Enhancing Listening Skills in ESL Learners: Effective Strategies and Pedagogical Approaches. Excellencia: International Multi-Disciplinary Journal of Education, 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. Utilizing Reading Strategies in English Instruction: Boosting Understanding and Student Involvement. International Journal of Formal Education, 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). Theoretical Basis of the Translation of Realia: A Cultural Semiotics Approach. Til va adabiyot.uz – Ilmiy-metodik elektron jurnal, 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). How to Teach Present Perfect Effectively. Til va adabiyot.uz – Ilmiy-metodik elektron jurnal, 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: -

Name	Xamrayeva Malika Gayrat qizi		
Post	Teaching area: Humanities Designation: Russian language and literature		
Academic career	Master's degree	Karshi state university	2019
	Bachelor's degree in Russian language and literature	Karshi state university	2015
Employment	Position	Employer	Period
	Lecturer	Karshi state university, Faculty of Russian language and literature	2022-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. Модальные значения и морфологические особенности глаголов состояния в русском, узбекском и английском языках. (International journal of scientific researchers. ISSN:3030-332 X Impact factor: 8,293 Volume 14, 1st October 2025). 124-132-b. 2. Антропонимы как макросфера онимастического пространства (на материале русского и узбекского языков). «QarDU xabarlari» Ilmiy-nazariy, uslubiy jurnal 1/2(57) 2023 Yanvar-fevral. 196-199-b. 3. Русские и узбекские антропонимы на современном этапе развития. Мақола. RESEARCH AND EDUCATION, 2(1), 119-123, 2023. 119-123-b. 4. Особенности использования узбекских собственных имен в русской речи. Мақола. Educational Research in Universal Sciences, 2(1) Published February 5, 2023 Version v1. 189-194-b. 5. Категория полжителности/отрицательности узбекских глаголов и ее выражение в русском и английском языках.		

	Tezis. «MEJKULTURNYE KOMMUNIKATSII V SOVREMENNOY LINGVISTIKE», xalqaro ilmiy-amaliy anjuman “Nasaf” NMIU 2023 Z -31. 234-236-b. 6. Kategoriya zaloga v ruskom, uzbekskom i angliyskom yazykax. «So‘ngi ilmiy tadqiqotlar nazariyasi» respublika ilmiy-uslubiy jurnal 12-may, 2022-yil 1-son. 294-297 b. 7. K voprosu o kategorii skazuemosti. Tezis. «Madaniyatlararo kommunikatsiya matnida til va adabietning roli» xalqaro ilmiy-nazariy anjuman 23-24-aprel 2022-yil 8. Kategoriya vida i formy obraza deystviya. «TA’LIM FIDOYILARI» ilmiy-uslubiy jurnal 3-son, 2021-yil 5-aprel. 656-661 b. 9. K voprosu o semanticheskoy klassifikatsii glagolov sostoyaniya. «QarDU xabarlari» Ilmiy-nazariy, uslubiy jurnal 2021, 4-son. 159-162 b.
Activities in specialist bodies over the last 5 years	-

Name	Tashatov Allanazar Karshiyevich		
Post	Teaching area: Nano materials, Physical electronics, condensed matter physics, physics semiconductors Designation: Associate Professor of the Department of Theoretical and Experimental Physics, Doctor of Science in Physical and Mathematical Sciences (DSc).		
Academic career	Associate Professor	Tashkent state university(NUU)	1976-1981
	Doctor of Science in Physical and Mathematical Sciences	Tashkent state technical university	2008
	Professor	Karshi state university,	2022
Employment	Position: Associate Professor of the Department of Theoretical and Experimental Physics	Employer: Karshi state university, Faculty of Physics	2012
Research and development projects over the last 5 years	1. Principal Investigator, 2024-2025 Innovative Development Agency National Research Grant (ALM-202310062527). Project Title: Development of Advanced Manufacturing Technology for Nano-Sized Thin Films Based on Metal Silicide and Semiconductor Compounds for Energy-Efficient Applications. Amount of financing : \$190,000 2. Research Team Member and Co-Investigator, 2019-2021 World Bank Academic Innovation Fund (AIF) International Grant (AIF 1/7). Project Title: Strengthening University-Industry Partnerships to Enhance Educational Quality: Karshi State University and Regional Manufacturing Enterprises Collaboration. Amount of financing : \$130,000		
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. Tashatov A.K., Allayarova G.K., Umirzakov B.E.(2024). Effect of O₂⁺ ion implantation on the elemental and chemical composition of the Si(111) surface. Journal of surface investigation (Poverxnost) 2024, Vol.18, P.598-601. https://doi.org/10.26565/2312-4334-2024-3-40. 2. Tashatov A.K., Mustafoeva N. M.,Umirzakov B. E., Mamatova M. B.et al. On Si/NiSi₂/Si(111) Heterostructures Obtained by Solid-Phase Deposition. Journal of surface investigation: x-ray, synchrotron and neutron techniques Vol. 18 No. 6 2024 S.1415-1418 3. Tashatov A.K., Eshboboyev S., Usmanova Y. Research composition and structures of the surface heterostructural films of GaxMeyAs/Ga. QarDU xabarleri, 2024 y. 2(2) Str. 4-8. 4. Tashatov A.K., Mustafoeva. N. M, Mustafoeva N. M., Kochneva Z.V. Mexanizmi formirovaniya skritix nanokristallov NiSi₂, sozdannix metodom ionnoy implantatsii. Natsionalniy issledovatel'skiy yaderniy universitet «MIFI» X mejdunarodnaya konferensiya «lazerniye, plazmenniy» Issledovaniya i texnologii» Laplaz-2024 Sbornik nauchnix trudov, 2024, Str.296 5. Tashatov A.K., Eshboboyev.S.N.“Study of The Process of Formation of Heterostructural Nanofilms MexSiy/Si and GaxMe1-xAs/GaAs by Ion Implantation” Journal of Physical Science, Vol. 36(1), 17-26, 2025 6. Tashatov A.K., Normuradov.M.T., Normuradov.D.A, Xujaniyazov.J.B Formirovaniye dvuxsloynoy sistemi silitsid-kremniy. International Scientific Journal SCIENCE AND INNOVATION Special issue “GREEN ENERGY AND ECONOMICS” 2025 , 271-274 b 7. Tashatov A.K., Normuradov.M.T.,Normuradov.D.A, Axmadovich.E.A. Vliyaniye razuporyadocheniya tonkix poverxnostnix sloyev na elektrofizicheskiye i opticheskiye svoystva kremnya. EAST EUROPEAN JOURNAL OF PHYSICS. 2. 330-334 (2025)		
Activities in specialist bodies over the last 5 years	Organisation: Karshi state university Seminar Leader of the Scientific Seminar under the Scientific Council of Karshi State University, No. PhD.03/30.06.2020.FM.70.04	Role: Seminar Leader	Period: 2020-present

Name	Normurodov Dilshod Abdurazokovich		
Post	Teaching area: physical electronics, condensed matter physics, semiconductor physics, nanotechnology Designation: Head of the Theoretical and Experimental Physics, Associate Professor, Doctor of Philosophy in Physical and Mathematical Sciences (PhD).		
Academic career	Initial academic appointment	Karshi state university	2017
	Habilitation [German post-doctoral qualification] (Physical electronics)	Karshi state university	2022
	Doctorate (Physical electronics)	Karshi state university	2015
	Undergraduate degree (Physics)	Nationally university of Uzbekistan	
Employment	Position: Head of the Department of Theoretical and Experimental Physics	Employer: Kashi state university, Faculty of Physics	Period: 2022-present
Research and development projects over the last 5 years	Name of project or research focus: Strengthening of relations aimed at improving the quality of student education between Karshi State University and production enterprises in Kashkadarya region; Creation of technology for obtaining nano-sized films based on silicide metal and semiconductor compounds used in energy-saving technologies. Period and any other information: 2019-2021; 2024-2025; Partners, if applicable: Mubarek Gas Processing Plant LLC, Shurtan Gas Chemical Complex LLC Amount of financing : \$130,000 Uzs 1 912 049 000		
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	The results obtained in my research were obtained in laboratory experiments, practical recommendations were developed based on the obtained results, and did not lead to patents or property rights.		
Important publications over the last 5 years	Selected recent publications from a total of approx. Selected from 35+ publications (2020-2025): 1. B. Igamov, A. Kamardin, I. Bekpulatov, M. Normuradov, V. Zhurikhina, D. Normuradov. Formation of barium silicide coatings		

	by vacuum thermal evaporation methods. International conference on electrical engineering and photonics (EExPolytech), IEEE. 2024.10.17. p. 258-262. https://ieeexplore.ieee.org/abstract/document/10755627 2. D. Kararulov, R. Ustimenko, G. Melentev, D. Hayrapetyan, K. Dovranov, D. Normurodov, M. Vinnichenko, H. Sarkisyan, D. Firsov. International Conference on Electrical Engineering and Photonics (EExPolytech), IEEE. 2024.10.17. p. 368-370. https://ieeexplore.ieee.org/abstract/document/10755802 3. B.D. Igamov, I.R. Bekpulatov, G.T. Imanova, A.I. Kamardin, D.A. Normurodov. Investigation of optical and electrophysical properties of Mn₄Si₇ coatings of different thickness. Physics and chemistry of solid state. V. 25, N. 2. 2024.6.30. p. 421-427. http://ncp.pu.if.ua/index.php/pcss/article/download/7352/8314 4. B.E. Umirzakov, M.T. Normuradov, D.A. Normurodov, I.R. Bekpulatov. Composition and electronic structure of hidden nanoscale phases and layers of BaSi formed in the near-surface of Si. Fizika i Tekhnika Poluprovodnikov. Ioffe Institute. V. 56, N. 5. 2022, p. 491-494. https://www.mathnet.ru/eng/phts7044 5. M.T. Normurodov, A.S. Rysbaev, I.R. Bekpulatov, D.A. Normurodov, Z.A. Tursunmetova. Journal of Surface Investigation: X-ray, Synchrotron and Neutron Techniques. Pleiades Publishing. V. 15, N. Suppl 1. 2021.12. p. 211-215. https://link.springer.com/article/10.1134/S1027451022020318 6. A.S. Rysbaev, M.T. Normurodov, J.B. Khujaniyozov, A.A. Rysbaev, D.A. Normurodov. Journal of Surface Investigation: X-ray, Synchrotron and Neutron Techniques. Pleiades Publishing. V. 15, N. 3. 2021.5. p. 607-610. https://link.springer.com/article/10.1134/S1027451021030319 7. А.С. Рысбаев, М.Т. Нормуродов, Ж.Б. Хужаниёзов, А.А. Рысбаев, Д.А. Нормуродов. Об образовании пленок силицидов металлов (Li, Cs, Rb, Ba) при ионной имплантации в Si и последующем термическом отжиге. Поверхность. Рентгеновские, синхротронные и нейтронные исследования. Федеральное государственное бюджетное учреждение "Российская академия наук". 2021. №6, С. 75-79. https://elibrary.ru/item.asp?id=45634363
Activities in specialist bodies over the last 5 years	Organisation: Role: Period: Scientific secretary 2021-present awarding scientific degrees PhD.03.2025.27.12.FM.11.02 Karshi state university

Name	Nurmatova Dildora Jumaboyevna		
Post	Teaching area: Electrodynamics, Thermodynamics and Statistical Physics, General Physics Designation: Senior Lecturer of the Department of Theoretical and Experimental Physics.		
Academic career	senior lecturer assistant Master's degree (Theoretical Physics) Undergraduate degree (Physics)	Karshi state university Karshi state university Karshi state university Karshi state university	2025 2010 2004 2002
Employment	Position: Senior lecturer of the Department of Theoretical and Experimental Physics	Employer: Karshi state university, Faculty of Physics	Period: 2025-present
Research and development projects over the last 5 years	Name of project or research focus: Obtaining and studying nanoscale structures on silicon surface and subsurface layers (AL-8624042681-R1); Period and any other information: 2025-2026; Partners, if applicable: not applicable Amount of financing : 640 000 000 sum		
Industry collaborations over the last 5 years	No		
Patents and proprietary rights	No		
Important publications over the last 5 years	Selected recent publications from a total of approx. Selected from 15+ publications (2021-2026) 1. Sh.E. Bozorova, O.Sh. Egamberdiyeva, K.T. Dovranov, A.M. Husanov, D. Nurmatova, and S. Abrayev. Improving the Quality of Education with Background Music for Complex Topics in		

	Chemistry. HMMOCS 2024, LNNS 1481, pp. 245–258, 2025. https://doi.org/10.1007/978-3-031-95649-2_21 2. Nurmatova D.J. To build a methodical model of teaching physics based on scientific and educational methods for future engineers. Муғаллим ҳам узликсиз билимлендирий. Илимий-методикалық журнал.ISSN 2181-7138.2025. 3 son. 3. Nurmatova D.J. Ilmiy-tadqiqot faoliyatga tayyorlashda bo‘lajak fizika o‘qituvchilarining metodologik asoslari. Til va adabiyot uz. Ilmiy-metodik elektron jurnal научно-методический электронный журнал.2025 yil. Mart 6-son. 4. Nurmatova D.J. Preparation of Future Physics Teachers for Research Activities. American journal of language, Literacy and Learning in STEM Education Volume 3, Issue 2, 2025 ISSN (E): 2993-2769. 5. Nurmatova D.J. Competence-based approach as a basis for the formation of research competence among future physics teachers. "Экономика и социум" №3(130) 2025. 6. Nurmatova D.J. Kompetentli yondashuv – bo‘lajak fizika o‘qituvchilarida ilmiy-tadqiqot kompetensiyasini shakllantirishning asosi. "Экономика и социум" №10(137) 2025. www.iupr.ru 7. Nurmatova D.J. Methodology of using software tools in preparing future physics teachers for professional activity. Web of scientist: International scientific research journal. ISSN: 2776-0979, V. 5, ISSUE 01, January, 2024.		
Activities in specialist bodies over the last 5 years	Organisation:	Role:	Period:
	-	-	-

Name	Odilova Nilufar Jurayevna		
Post	Teaching area: Quantum mechanics, Atomic nucleus and elementary particle physics Designation: Senior Lecturer of the Department of Theoretical and Experimental Physics.		
Academic career	senior lecturer assistant Teacher Junior Researcher Postgraduate studies (Mathematical Analysis) Master's degree (Nuclear Physics) Undergraduate degree (Physics)	Karshi state university Karshi state university School No. 214 of Mirabad District Institute of Nuclear Physics Nationally university of Uzbekistan Nationally university of Uzbekistan Karshi state university	2024 2023 2010 2007 2005 2002 2000
Employment	Position: Senior lecturer of the Department of Theoretical and Experimental Physics	Employer: Karshi state university, Faculty of Physics	Period: 2024-present
Research and development projects over the last 5 years	Name of project or research focus: Obtaining and studying nanoscale structures on silicon surface and subsurface layers (AL-8624042681-R1); Period and any other information: 2025-2026; Partners, if applicable: notapplicable Amount of financing : 640 000 000 sum		
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 10+ publications (2021-2026): 1. N.J.Odilova. Элементарный и химический состав оксидированный SI(111) QarDU XABARLARI, Qarshi, 6/1(62) 31-35 (2023). https://qarshidu.uz/source/Ilimiy%20jurnal/PDF/2023/Aniq_fanlar_6(2023).pdf 2. Odilova N.J., Allayarova G.X., Elmurotova D.B. Effect of Low-Energy Ion Implantation on Semiconductors. American journal of bioscience and clinical integrity. Biojournal vol. 3, no. 2, pp. 79-85 (2026) https://doi.org/10.51699/ajbci.v3i2.2070 3. Odilova N.J., Allayarova G.X., Elmurotova D.B. POST-IMPLANTATION ANNEALING OF SILICON IMPLANTED WITH ALKALI METAL IONS. Eureka Journal of Physical and Chemical Research (EJPCR). vol. 2, no. 3, 1-9 (2026) https://eureka.aoa.com/index.php/1/article/view/575 4. Allayarova G., Odilova N. Si⁺ ionlarini implantatsiya qilish natijasida Mo da hosil qilingan yupqa MoSi₂ plyonkalarining tarkibi, tuzilishi va xossalari . O‘zMU XABARLARI, vol. 1, 499-503 (2026) http://journals.nuu.uz 5. S. Z. Zainabidinov, Sh. A. Makhmudov, A. K. Rafikov, A. Y. Boboeva, N. J. Odilova, M. F. Juraeva. Structural Features of Single-Crystal Silicon Doped with Copper. Journal of Surface Investigation: X-ray, Synchrotron and Neutron Techniques. Vol. 19, No. 6, 1490–1495.(2025) https://link.springer.com/journal/11700/volumes-and-issues		
Activities in specialist bodies over the last 5 years	Organisation:	Role:	Period:
	-	-	-

Name	Allayarova Gulmira Kholmuratovna		
Post	Doctor of Philosophy in Physics and Electronics, Physics and Mathematics, Associate Professor (Teaching area and designation)		
Academic career	Bachelor	Karshi State University	2008-2012
	Master	Karshi State University	2012-2014
	assistant	Karshi State University	2014-2019
	Senior doctoral student	Tashkent State Technical University	2020-2023
Employment	PhD, Associate Professor of the Department of Theoretical Physics	Karshi State University	9.03.2022 - now
Research and development projects over the last 5 years	Grant project of the Innovative Development Agency of the Ministry of Higher Education, Science and Innovation: Participant of the grant project "Obtaining and studying nanoscale structures on silicon surface and subsurface layers." based on the recommendation of the Innovative Development Agency of the Ministry of Higher Education, Science and Innovation (AL-8624042681-R1) 640 000 000 so'm, 2025. International AIF 1/7 project allocated by the World Bank: Participant of the AIF international grant project number 1/7 on the topic "Strengthening of relations aimed at improving the quality of student education between Karshi State University and production enterprises in Kashkadarya region" 130 000 \$, 2019-2021		
Industry collaborations over the last 5 years	No		
Patents and proprietary rights	No - -		
Important publications over the last 5 years	Selected recent publications from a total of approx. (give total number): 11 ta 1. Allayarova G.Kh, B.E. Umirzakov, AK,Tashatov. JOURNAL OF SURFACE INVESTIGATION Volume 18 Issue 3 Page 598-601 2024 DOI 10.1134/S1027451024700162 2. Allayarova G.Kh		

	JOURNAL OF SURFACE INVESTIGATION Volume 16 Issue 6 Page 1171-1174 2022 DOI 10.1134/S1027451022060039 3. Allayarova G.Kh JOURNAL OF SURFACE INVESTIGATION Volume 14 Issue 6 Page 1179-1182 2021 DOI 10.1134/S1027451020060026 4. Allayarova G.Kh, B.E. Umirezakov TECHNICAL PHYSICS LETTERS Volume 46 Issue 10 Page 972-975 2020 DOI 10.1134/S1063785020100144 5. Allayarova G.Kh, B.E. Umirezakov TECHNICAL PHYSICS LETTERS Volume 65 Issue 5 Page 795-798 2020 DOI 10.1134/S1063784220050242 6 Allayarova G.Kh at.all. TECHNICAL PHYSICS LETTERS Volume 64 Issue 7 Page 1051-1054 2019 DOI 10.1134/S1063784219070260 7. Allayarova G.Kh at.all. ISSN 1063-7850, Technical Physics Letters, 2021, Vol. 47, No. 1, pp. 11– 15. © Pleiades Publishing, Ltd., 2021. Russian Text © The Author(s), 2021, published in Pis'ma v Zhurnal Tekhnicheskoi Fiziki, 2021, Vol. 47, No. 1, pp. 15–19 8. Allayarova, G.X Saidova A.at.all. East European Journal of Physics SSN 2312-4539 (Online) ISSN 2312-4334 (Print) https://periodicals.karazin.ua/eejp/article/view/25072
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	9.Allayarova G.X Allanazarova S. Sh American Journal of Bioscience and Clinical Integrity 10.51699/ajbci.v3i2.2090 2025 <a href="https://biojournals.us/index.php/AJB
CI">https://biojournals.us/index.php/AJB CI		
Activities in specialist bodies over the last 5 years	Organisation Secretary of the Council for Awarding Academic Degrees under Karshi State University, No. PhD.03/2025.27.12. FM.11.02	Role	Period

Name	Dovranov Kuvondik Turakulovich		
Post	Teaching area: Nano materials, Physical electronics, condensed matter physics, radio electronics Designation: Associate Professor of the Department of Theoretical and Experimental Physics, Doctor of Philosophy in Physical and Mathematical Sciences (PhD).		
Academic career	Undergraduate degree (Bachelor)	Karshi state university	2011-20215
	Master	Karshi state university	2015-2017
	Research intern	Karshi state university	2021-2022
	PhD student	Karshi state university	2022-2024
Employment	Position: Associate Professor of the Department of Theoretical and Experimental Physics	Employer: Karshi state university, Faculty of Physics	30.10.2024
Research and development projects over the last 5 years	1. Principal Investigator, 2024-2025 Innovative Development Agency National Research Grant (ALM-202310062527). Project Title: Development of Advanced Manufacturing Technology for Nano-Sized Thin Films Based on Metal Silicide and Semiconductor Compounds for Energy-Efficient Applications. Amount of financing : \$190,000 2. Research Team Member and Co-Investigator, 2019-2021 World Bank Academic Innovation Fund (AIF) International Grant (AIF 1/7). Project Title: Strengthening University-Industry Partnerships to Enhance Educational Quality: Karshi State University and Regional Manufacturing Enterprises Collaboration. Amount of financing : \$130,000		
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.Davranov, K. T., Normuradov, M. T., Davlatov, M. A., Dovranov, K. T., Toshev, T., Kurbonov, N. (2024). Preparation of		

	Calcium Titanate Perovskite Compound, Optical and Structural Properties. East European Journal of Physics, (3), 350-354. https://doi.org/10.26565/2312-4334-2024-3-40. 2.K.T. Dovranov et al. The solid-phase ion-plasma method and thermoelectric properties of thin CrSi₂ films. Journal of Materials Science: Materials in Electronics., 2024, 35(20), 1426. https://doi.org/10.1007/s10854-024-13163-6 3.I.R. Bekpulatov, G.T. Imanova, B.E. Umirzakov, K.T. Dovranov, V.V. Loboda, S.H. Jabarov, I.X. Turapov, N.E. Norbutaev. Formation of thin CrSi₂ films by the solid-phase ion-plasma method and their thermoelectric properties. Materials Research Innovations., 2024, 28(4), pp. 221–228. https://doi.org/10.61640/ujeas.2024.1204. 4.K.T. Dovranov, M.T. Normuradov, KH.T. Davranov, I.R. Bekpulatov. Formation of Mn₄Si₇/Si(111), CrSi₂/Si(111), and CoSi₂/Si(111) thin films and evaluation of their optically direct and indirect band gaps. Ukrainian Journal of Physics, 2024, 69(1), pp. 20–2563. https://doi.org/10.1080/14328917.2024.2339001. 5.K.T. Dovranov et al. “Development of a technology for the production of nano-sized heterostructured films by ion-plasma deposition,” Structure of materials. Ukr. J. Phys. 2023. Vol. 68, No.3. https://doi.org/10.15407/ujpe69.1.20 6.K.T. Dovranov, G.T. Imanova, V.V. Loboda, M.T. Normuradov, I.R. Bekpulatov. Formation of CrSi₂ film and measurement of optical band gap energy. UNEC Journal of Engineering and Applied Sciences SECTION: Vol. 4, No.2, 2024, pp. 37-46 PHYSICAL. DOI: https://doi.org/10.61640/ujeas.2024.1204 7.M.A. Davlatov, K.T. Davranov, X.T. Dovranov, S.N. Xusanov, A.R. Kodirov, S. Xolikulova. Structural characteristics and optical properties of SiC thin films produced by the RF-PVDmethod. EAST EUROPEAN JOURNAL OF PHYSICS. 2. 330-334 (2025)		
Activities in specialist bodies over the last 5 years	Organisation: the Agency for Innovative Development under the Ministry of Higher Education, Science and Innovation of the Republic of Uzbekistan	Role: Expert	Period: 28.02.2026-present
	Expert on scientific examination of scientific projects and interim/final reports of the Agency for Innovative Development under the Ministry of Higher Education, Science and Innovation of the Republic of Uzbekistan		

	Organisation: Karshi state university Role: Member Period: 2025-present Member of the Scientific Seminar under the Scientific Council of Karshi State University, No. PhD.03/30.06.2020.FM.70.04
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Name	Jumanov Shokir Eshimovich		
Post	Teaching area: General Physics Designation: Assistant teacher of the Department of Theoretical and Experimental Physics		
Academic career	Assistant teacher	Qarshi davlat universiteti	2010
	Master's degree (Physics)	Qarshi davlat universiteti	2007
	Undergraduate degree (Physics)	Qarshi davlat universiteti	2004
Employment	Position: Assistant teacher of the Department of Theoretical and Experimental Physics	Employer: Karshi State University, Faculty of Physics	Period: 2010-present
Research and development projects over the last 5 years	No		
Industry collaborations over the last 5 years	No		
Patents and proprietary rights	No - -		
Important publications over the last 5 years	Selected recent publications from a total of approx. Selected from 5+ publications (2021-2026) 1. Жуманов Ш.Э. Использование информационных технологий на уроках физики. Zamonaviy fizika va astronomiyaning muammolari, yechimlari, o'qitish uslublari. Nizomiy nomidagi toshkent davlat pedagogika universiteti. Xalqaro ilmiy-amaliy anjuman materiallari to'plami, 2025-yil 17-18 aprel. 2. Jumanov Sh.E. Raqamli texnologiyalaridan foydalanib fizika fanini o'qitish metodikasi takomillashtirish. Aniq va tabiiy fanlarni o'qitishning dolzarb muammolari va yechimlari. 2025-yil 29-aprel. O'zR Harbiy aviatsiya instituti. Respublika ilmiy-uslubiy konferensiya. 3. Jumanov Sh.E. Oliy ta'lim muassasalarida fizika fanini o'qitishda raqamli texnologiyalardan foydalanish. Modern education and development. Aprel-2025 3-qism. №-24, ISSN 3060-4567. 4. K.T. Dovranov, N. Odilova, U. Turdiyev, Sh. Djumanov, R.B. Radjabov, M.G. Berdiyev. Theory of measurement of band-gap energy of thin semiconductor films. "Mikro va nanotexnologiya,		

	yangi materiallar olishning zamonaviy holati va istiqbollari" mavzusidagi xalqaro konferensiya. 30-31 oktyabr 2023 yil. Qarshi sh. O'zbekiston. 5. Аллаярова Г.Х., Исаханов З.А., Жуманов Ш.Э. Закономерности формирования наноразмерных пленок оксидов SiO₂ на поверхности Si при низкоэнергетической имплантации ионов O₂⁺ и последующего отжига. ҚарДУ хабарлари. 5/1(60) 2023 сентябрь-октябрь.		
Activities in specialist bodies over the last 5 years	Organisation: -	Role: -	Period: -

Name	Normuradov Muradulla Togayevich		
Post	Teaching area: Nano materials, Physical electronics, condensed matter physics, radio electronics Designation: Professor of the Department of Theoretical and Experimental Physics, Doctor of Physical and Mathematical Sciences.		
Academic career	Candidate of Physical and Mathematical Sciences Associate professor Doctor of Physical and Mathematical Sciences Professor	Moscow Higher Attestation Commission, Moscow Higher Attestation Commission, Moscow Moscow	1974 1979 1989 1991
Employment	Position: Professor of the Department of Theoretical and Experimental Physics	Employer: Karshi state university, Faculty of Physics	2021
Research and development projects over the last 5 years	1. Project Leader, 2024-2025 National Research Grant of the Agency for Innovative Development (ALM-202310062527). Project Title: Development of Advanced Manufacturing Technology for Nanoscale Thin Films Based on Metal Silicide and Semiconductor Compounds for Energy-Saving Applications. Amount of financing : \$190,000 2. Project Leader, 2019-2021 World Bank Academic Innovation Fund (AIF) International Grant (AIF 1/7). Project Title: Strengthening University-Industry Partnerships to Improve Education Quality: Partnership between Karshi State University and Regional Manufacturing Enterprises. Amount of financing : \$130,000		
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 30+ publications (2020-2025): 1. Нормурадов М.Т., Умурзаков Б.Е. Электронная структура и физические свойства наноразмерных гетероструктур. Монографии/ “Intellect”, 2021.-256 с. 2. Normuradov, M.T., Bekpulatov, I.R., Imanova, G.T., Igamov, B.D. STRUCTURES FOR CONSTRUCTING DEVICES FROM FORMED Mn4Si7 AND CoSi FILMS. Advanced Physical Research, 2022, 4(3), pp. 142–154 3. Normuradov, M.T., Risbaev, A.S., Khujaniyozov, J.B., Normuradov, D.A. Structure of MeSi Silicide Films (Me: Li, Rb, K and Cs) According to Electron Microscopy Data and the Diffraction of Slow Electrons. Journal of Surface Investigationthis link is disabled, 2020, 14(5), pp. 1066–1071 4. Rysbaev, A.S., Khujaniyozov, J.B., Normuradov, M.T., ...Igamov, B.D., Abraeva, S.T. Theoretical Explanation of the Effect of a Decrease in the Si(111) Plasmon Energy during the Implantation of Ions with a Large Dose. Journal of Surface Investigationthis link is disabled, 2020, 14(4), pp. 816–822 5. Davranov, K. T., Normuradov, M. T., Davlatov, M. A., Dovranov, K. T., Toshev, T., Kurbonov, N. (2024). Preparation of Calcium Titanate Perovskite Compound, Optical and Structural Properties. East European Journal of Physics, (3), 350-354. https://doi.org/10.26565/2312-4334-2024-3-40 6. Dovranov, K., Normuradov, M., Davranov, K., & Bekpulatov, I. (2024). Formation of Mn4Si7/Si(111), CrSi2/Si(111), and CoSi2/Si(111) Thin Film and Evaluation of Their Optically Direct and Indirect Band Gap. Ukrainian Journal of Physics, 69(1), 20. https://doi.org/10.15407/ujpe69.1.20						
Activities in specialist bodies over the last 5 years	<table><tr><td>Organisation: Karshi state university</td><td>Role: Chairman of the Scientific Council</td><td>Period: 2020-present</td></tr></table> Member of the Scientific Seminar under the Scientific Council of Karshi State University, No. PhD.03/30.06.2020.FM.70.04 <table><tr><td>Organisation: Samarkand State University</td><td>Role: Member</td><td>Period: 2023-present</td></tr></table> Member of the academic council numbered DSc.03/30.12.2019.FM/T.02.09, DSc.03/30.12.2019.FM.02.01 and PhD.03/30.12.2019.FM.02.04 at Samarkand State University	Organisation: Karshi state university	Role: Chairman of the Scientific Council	Period: 2020-present	Organisation: Samarkand State University	Role: Member	Period: 2023-present
Organisation: Karshi state university	Role: Chairman of the Scientific Council	Period: 2020-present					
Organisation: Samarkand State University	Role: Member	Period: 2023-present					

Name	Suyunov Laziz Abdumannon o'g'li		
Post	Teaching area: Quantum mechanics, General Physics Designation: Assistant of the Department of Theoretical and Experimental Physics		
Academic career	Assistant	Karshi state university	2025
	Trainee teacher	Karshi state university	2022
	Master's degree (Physics)	National university of Uzbekistan	2017
	Undergraduate degree (Physics)	National university of Uzbekistan	2015
Employment	Position: Assistant of the Department of Theoretical and Experimental Physics	Employer: Karshi state university, Faculty of Physics	Period: 2025-present
Research and development projects over the last 5 years	No		
Industry collaborations over the last 5 years	No		
Patents and proprietary rights	No		
Important publications over the last 5 years	Selected recent publications from a total of approx. Selected from 8+ publications (2021-2026): 1. E.N. Tsoy, L.A. Suyunov. Properties of stationary pulses in dispersive nonlinear media. Optics Communications, Vol. 608, 133050 (2026). https://doi.org/10.1016/j.optcom.2026.133050 2. E.N. Tsoy, L.A. Suyunov. Generic quartic solitons in optical media. PHYSICAL REVIEW A, Vol. 109, 053528 (2024). https://doi.org/10.1103/PhysRevA.109.053528 3. E.N. Tsoy, L.A. Suyunov. Solitons of the generalized nonlinear Schrödinger equation. Physica D: Nonlinear Phenomena. Vol. 414, 132659 (2020). https://doi.org/10.1016/j.physd.2020.132659 4. M.N. Aliqulov, L.A. Suyunov. Bright solitons in optical media with high order effects. QarMII, Innovatsion texnologiyalar, Vol. 51, No. 3, 2023. https://ojs.qmii.uz/index.php/it/article/view/525		
Activities in specialist bodies over the last 5 years	Organisation: -	Role: -	Period: -

Name	Shodiyev Sadulla Yusupovich		
Post	Teaching area: Algebra, Linear Algebra and Analytic Geometry, Polynomial theory Designation: Associate Professor at the Department of Algebra and Geometry		
Academic career	Initial academic appointment	Karshi state university	1995
	Senior Lecturer	Karshi state university	2001
	Associate Professor of the Department of Algebra and Geometry	Karshi state university	2024
Employment	Position: Associate Professor at the Department of Algebra and Geometry	Employer: Karshi 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	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. 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. Мугаллим хем узликсиз билимлендириу журналы, № 4/1, 2025, 161-166 betlar 4. Shodiyev S., Uraimova D. Ehtimollar nazariyasini o'qitishda raqamli texnologiyalardan foydalanish usullari. Замонавий таълим журналы, № 9(154) 2025, 20-27 бетлар.		
Activities in specialist bodies over the last 5 years	Organisation:	Role:	Period:

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. О кубических операторах вольтеровского типа //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><td>Organisation:</td><td>Role:</td><td>Period:</td></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	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
			2019
	Doctorate (PhD in differential equations and mathematical physics)	Urgench State University	2021
	Associate Professor(Mathematical Analysis	Karshi state university	
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.Khujayev,Z.Sh. Yangiboev. On an inverse dinamik poroelasticity for a layered medium. Matematicheskie zametki North-Eastern Federal University. 2022;29(2):19-30ю (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 Bull. Inst. Math., 2022, Vol.5, №3, pp. 117-118 3. XX Имомназаров, ЗШ Янгибоев. <u>Прямые и обратные задачи для систем уравнений гиперболического типа.</u>(Manografiya). 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