**Ф НАО КМУ 1-2-04/05**

**List of scientific papers of the head of the department of physiology, candidate of medical sciences,**

**of NC JSC «Karaganda Medical University» by Mkhitaryan Xeniya Eduardovna for 2010-2025**

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| № | Title | Manuscript or printed | Name of the journal, publisher (year, No, page number) ISBN, copyright certificate, patent number | Number of printed sheets or pages | Co-authors |
| 1 | 2 | 3 | 4 | 5 | 6 |
| *List of publications in internationalpeer-rewiewed journals* | | | | | |
| 1 | Elemental composition of hair as a marker for forensic human identification | printed | Journal of Forensic and Legal Medicine, Volume 81, July 2021, No of article 102182  <https://doi.org/10.1016/j.jflm.2021.102182>  Q2 (56%). CiteScore 2.9 (2021) | 8 | S. Mussabekova,  X. Mkhitaryan |
| 2 | The assessment of the nutritional status among the young-old and old-old population with alimentary-dependent diseases | printed | Medicina (Lithuania). Том 60, Выпуск 6, June 2024, No of article 923  <https://doi.org/10.3390/medicina60060923>  Q1 (81%). CiteScore 4.1 | 14 | Zhanalina G.; Plyasovskaya, S.; Mkhitaryan X., Molotov-Luchanskiy V.;  Hendrixson V.; Bolatova Z.; Aldanova Z.; Kayupova, G. |

Author, cand.med. sci. X.E. Mkhitaryan

Senate secretary, cand.ph.sci. M.A. Maretbayeva

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| 1 | 2 | 3 | 4 | 5 | 6 |
| 3 | Forensic evaluation of craniometric characteristics of the Kazakhstan population | printed | Journal of oral biology and craniofacial research, 2024, 14(4), P. 370–377  <https://doi.org/10.1016/j.jobcr.2024.04.004>  Q1 (79%). CiteScore 4.5 | 8 | Mussabekova, S.A.,  Stoyan, A.O.,  Mkhitaryan X.,  Zhautikova, S.B. |
| 4 | Peculiarities of nutritional support in patients with neoplasms of the hepatopancreatoduodenal zone as a component of intensive therapy in the postoperative period | printed | Bratislava Medical Journal, 2024; 125 (12):823–828  DOI 10.4149/BLL\_2024\_126  Q2 (68%). CiteScore 2.6 | 6 | Sh. K. Davanov,  N. N. Vasilyeva,  S. V., Plyassovskaya,  Mkhitaryan X.E,  G. A. Zhanalina,  S. I. Rogova,  V. N. Priz,  G. Zh. Toktibayeva,  D. S. Aubakirova |
| 5 | Nutritional status of healthcare professionals in primary health and social care | printed | PLoS One, Volume 20(6), June, 2025, No of article: e0325422.  <https://doi.org/10.1371/journal.pone.0325422>  Q1 (86%). CiteScore 5.4 | 25 | Plyassovskaya, S.,  Mkhitaryan X.,  Pozdnyakova Ye. |

Author, cand.med. sci. X.E. Mkhitaryan

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| 6 | Pharmacological effect of Berotek and the leading mechanisms of lung pathology in miners Central Kazakhstan | printed | Research Journal of Pharmacy and Technology, September 2024, 17(9), P. 4410–4416  DOI: 10.52711/0974-360X.2024.00681  Q2 (53%). CiteScore 1.5 | | 7 | Chergizova B., Kharisova N., Mkhitaryan X., Ryspayeva G., Akhmetova M., Smirnova L., Ishigov I., Tatykayeva U., Tastanova G., Zhumabekova R. |
| 7 | Role of Myokines and prospects for their role in Diabetes Mellitus Therapy | printed | | Research Journal of Pharmacy and Technology, October 2024, 17(10), P. 5119–5131  DOI: 10.52711/0974-360X.2024.00786  Q2 (53%). CiteScore 1.5 | 13 | Kharissova N., Mindubaуeva F., Rajkamal S., Smirnova L., Mkhitaryan X., Chergizova B., Salikhova Ye., Niyazova Yu., Ryspayeva G., Evnevich A., Akimzhanova N., Sarsembayeva Sh. |
| 8 | The hepatotoxic effects of copper-containing polymetallic dust and their correction with sorbents | printed | | Research Journal of Pharmacy and Technology, February 2025, 18(2), P.777-784.  DOI: 10.52711/0974-360X.2025.00115  Q2 (53%). CiteScore 1.5 | 8 | Kh. Abdikadirova, K. Amreyeva, X. Mkhitaryan, N. Omarbekova, B. Yessilbayeva, B. Dyussenbekova, K. Zhienbayeva, B. Suleimenova |
| 9 | The role of the adaptive potential of foreign students in Kazakhstan carrying out a scientific project as part of academic mobility under the SCORE program. | printed | | Research J. Pharmacy and Technology. 2025;18(5):1997-2002.  DOI: 10.52711/0974-360X.2025.00285  Q2 (53%). CiteScore 1.5 | 6 | Lopukha M.V.;Shtepa A.V.; Niyazova Yu.I.; Niyazova K.A.; Salikhova Ye.Yu.; Mkhitaryan X.E., Evnevich A.A.; Evnevich A.M.; Ryspaeva G.K.; Sarsembayeva Sh.Sh. |
| 10 | The use of antihypertensive therapy in hemodialysis and the urinary system as a conceptual model | printed | | Research Journal of Pharmacy and Technology, July 2025, 18(7), P. 3366-3373.  DOI: 10.52711/0974-360X.2025.00487  Q2 (53%). CiteScore 1.5 | 8 | Chergizova B, Ishigov I., Ryspayeva G., Ashimbekova B.A., Kharissova N., Mkhitaryan X., Smirnova L. |

Author, cand.med. sci. X.E. Mkhitaryan

Senate secretary, cand.ph.sci. M.A. Maretbayeva

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| 1 | 2 | 3 | 4 | 5 | 6 |
| *List of scientific papers published in scientific journals recommended by the authorized body* | | | | | |
| 11 | Внедрение элементов научно-ориентированного обучения при изучении информатики студентами медицинского ВУЗа | printed | Медицина и Экология. 2016. - №4. – C. 122-124.  <http://rmebrk.kz/journals/4469/90258.pdf?ysclid=m46t9n086a714256433> | 3 | Е.P . Menshova,  А. S. Kapasheva,  N. К. Omarbekova, X.E. Mkhitaryan |
| 12 | Организация междисциплинарного взаимодействия при обучении биофизике в медицинском университете Караганды | printed | Медицина и Экология. 2019. - №2. – C. 80-82.  <https://medecol.qmu.kz/jour/article/view/124/123> | 3 | X.E. Mkhitaryan, М.А. Sorokina,  I.V. Коrshukov,  V.I. Pashev |
| 13 | Analysis of the state, dynamics and structure of sexual crimes against the sexual inviolability of the person in central Kazakhstan | printed | Вестник КазНМУ им. С.Ж. Асфендиярова. 2022. - №1. – C. 454-465.  [http://rmebrk.kz/magazine/4336?ysclid=m46ty2d71f34325102#](http://rmebrk.kz/magazine/4336?ysclid=m46ty2d71f34325102) | 12 | Mussabekova S.A.,  Adilbek S.A.,  Mkhitaryan X.E.,  Кim I. V. |
| 14 | Судебно-медицинская оценка домашнего насилия в Центральном Казахстане | printed | Вестник КазНМУ им. С.Ж. Асфендиярова. 2022. - №1. – C. 254-266.  [http://rmebrk.kz/magazine/4336?ysclid=m46ty2d71f34325102#](http://rmebrk.kz/magazine/4336?ysclid=m46ty2d71f34325102) | 13 | Mussabekova S.A., Mkhitaryan X.E. |
| 15 | Судебно-медицинская оценка инфаркта миокарда | printed | Фармация Казахстана. 2022. – №4. – C. 55-62.  <https://pharmkaz.kz/wp-content/uploads/2022/09/4_2022-6.pdf> | 8 | Mussabekova S.A., Mkhitaryan X.E. |
| 16 | Орталық Қазақстандағы кенеттен қаза болудың сот-медициналық аспектері | printed | Фармация Казахстана. 2022. – №4. – C. 63-72.  <https://pharmkaz.kz/wp-content/uploads/2022/09/4_2022-6.pdf> | 10 | Mussabekova S.A., Mkhitaryan X.E. |
| 17 | Мишық қыртысының жасқа байланысты өзгерістерінің сот-медициналық маңызы | printed | Фармация Казахстана. 2023. – №4. – C. 49-54.  <https://pharmkaz.kz/wp-content/uploads/2023/09/%D0%93.%D0%9D.-%D0%9D%D0%A3%D0%A0%D0%9B%D0%90%D0%9D%D0%9E%D0%92%D0%90.pdf> | 6 | Mussabekova S.A.,  Mkhitaryan X.E., Abdikadirova Kh.R.,  Dusmailov R.М. |

Author, cand.med. sci. X.E. Mkhitaryan

Senate secretary, cand.ph.sci. M.A. Maretbayeva

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| 1 | 2 | 3 | 4 | 5 | 6 |
| 18 | Патологияның кәсіби тренажерлері:  жаңа педагогикалық мүмкіндіктер | printed | Фармация Казахстана. 2023. – №4. – C. 143-148.  <https://pharmkaz.kz/wp-content/uploads/2023/08/%D0%A1.%D0%90.-%D0%9C%D2%B0%D0%A1%D0%90%D0%91%D0%95%D0%9A%D0%9E%D0%92%D0%90.pdf> | 5 | Mussabekova S.A.,  Mkhitaryan X.E., Abdikadirova Kh.R.,  Dusmailov R.М. |
| 19 | Современные аспекты преподавания патологии | printed | Медицина и экология. 2024. – №3. – C. 129-137.  <https://medecol.elpub.ru/jour/issue/viewIssue/34/13> | 9 | Mussabekova S.A.,  Mkhitaryan X.E., Abdikadirova Kh.R.,  Dusmailov R.М. |
| 20 | Жыныстық зорлық-зомбылық кезінде жыныс мүшелерінің микробиомасын сот-медициналық бағалау | printed | Фармация Казахстана. 2024. – №1. – C. 277-285.  <https://pharmkaz.kz/wp-content/uploads/2024/02/%D0%9C%D2%B0%D0%A1%D0%90%D0%91%D0%95%D0%9A%D0%9E%D0%92%D0%90-1.pdf> | 9 | Mussabekova S.A.,  Mkhitaryan X.E., Abdikadirova Kh.R.,  Muldasheva B.S. |
| 21 | Тістердің тісжегісінің морфологиялық аспектілері | printed | Фармация Казахстана. 2024. – №2. – C. 107-111.  <https://pharmkaz.kz/2024/04/29/tisterdi%D2%A3-tiszhegisini%D2%A3-morfologiyaly%D2%9B-aspektileri/> | 5 | Mussabekova S.A.,  Mkhitaryan X.E., Abdikadirova Kh.R.,  Atmtaev Zh.Zh. |
| 22 | Аутопсия тиімділік көрсеткіші және білім беру құралы ретінде | printed | Journal of Health Development. 2024. – №2. – C. 45-51.  <https://jhdkz.org/index.php/jhd/issue/view/15/48> | 8 | Mussabekova S.A.,  Abdikadirova Kh.R.,  Mkhitaryan X.E., Muldasheva B.S. |
| 23 | Жеке тұлғаны сот-медициналық сәйкестендіру: адамның жақ морфометриялық көрсеткіштерінің рөлі | printed | Фармация Казахстана. 2024. – №5. – C. 220-226.  <https://pharmkaz.kz/2024/10/29/zheke-t%d2%b1l%d2%93any-sot-medicinaly%d2%9b-s%d3%99jkestendiru-adamny%d2%a3-zha%d2%9b-morfometriyaly%d2%9b-k%d3%a9rsetkishterini%d2%a3-r%d3%a9li/> | 7 | Mussabekova S.A.,  Mkhitaryan X.E., Abdikadirova Kh.R.,  Dusmailov R.М. |

Author, cand.med. sci. X.E. Mkhitaryan

Senate secretary, cand.ph.sci. M.A. Maretbayeva

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| 1 | 2 | 3 | 4 | 5 | 6 |
| 24 | Мыстың ағзаға және бауырға уытты әсерін сорбенттермен төмендетуге арналған әдеби шолу | printed | Фармация Казахстана. 2024. – №5. – C. 127-133.  <https://pharmkaz.kz/2024/10/29/mysty%d2%a3-a%d2%93za%d2%93a-zh%d3%99ne-bauyr%d2%93a-uytty-%d3%99serin-sorbenttermen-t%d3%a9mendetuge-arnal%d2%93an-%d3%99debi-sholu/> | 7 | Abdikadirova Kh.R.,  Amreeva К.Е.,  Mkhitaryan X.E., Omarbekova N. К. |
| 25 | Өзара оқыту клиникалық зерттеулер жүргізу дағдыларын жетілдіру құралы ретінде | printed | Journal of Health Development. 2024. – №3. – C. 70-76.  <https://jhdkz.org/index.php/jhd/issue/view/30/61>  <https://doi.org/10.32921/2225-9929-2024-3-57-70-76> | 7 | Мусабекова С.А.,  Абдикадирова Х.Р.,  Мхитарян К.Э.,  Атмтаев Ж.Ж. |
| 26 | Факторы, влияющие на продолжительность госпитализации при COVID-19: роль коморбидных состояний | printed | Journal of Health Development. 2024. – №4. – C. 11-17.  <https://jhdkz.org/index.php/jhd/issue/view/33/64>  <https://doi.org/10.32921/2225-9929-2024-4-59-11-17> | 7 | Кошерова Б.Н., Жунусов Е.С., Ли Е.А., Георге Плэчинтэ, Тулегенова Б.Р., Мхитарян К.Э., Сайжанова М.А., Рахмонов М.М. |
| 27 | The need to optimize the assessment of medical students’ final knowledge using artificial intelligence | printed | Journal of Health Development. 2025. – №60(3), jhd009  https://doi.org/10.32921/2663-1776-2025-60-3-jhd009 | 7 | X. Mkhitaryan, Y. Salikhova, V. Riklefs, S. Mussabekova, Y. Niyazova, Y. Mukhametova, B. Suleymenova, K. Zhienbaeva, I. Baryshnikova |

Author, cand.med. sci. X.E. Mkhitaryan

Senate secretary, cand.ph.sci. M.A. Maretbayeva

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| 28 | Краниометрические аспекты судебно-медицинской идентификации населения Казахстана | printed | Sudebno-Meditsinskaya Ekspertisa. 2023. – №3. – С. 24–28.  <https://doi.org/10.17116/sudmed20236603124>  Q4 (18%). CiteScore 0.6 (2023). Scopus | 5 | S. A. Mussabekova,  A. O. Stoyan,  X.E. Mkhitaryan |
| 29 | Domestic violence in Kazakhstan: Forensic-medical and medical-social aspects | printed | Forensic Science International: Reports, 9 (July 2024) No of article 100356  <https://doi.org/10.1016/j.fsir.2024.100356>  Q3 (47%). CiteScore 2.6. Scopus | 7 | S.A.Mussabekova,  X.E. Mkhitaryan,  Kh. Abdikadirova |
| 30 | Interactions between Covid-19 and chronic disease: A multilevel analysis of treatment strategies and outcomes | printed | Polski Merkuriusz Lekarski, ,2025;53(3): P. 302-311DOI: 10.36740/Merkur202503102 Q3 (47%). CiteScore 1.1 | 10 | Yerzhan Zhunussov, Yevgeniya Li, Bakhyt Kosherova, Gheorghe Placinta, Xeniya Mkhitaryan |

Author, cand.med. sci. X.E. Mkhitaryan

Senate secretary, cand.ph.sci. M.A. Maretbayeva

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| *List of scientific papers published in periodicals* | | | | | | |
| 31 | Определение размера выборки при планировании научного исследования | printed | Международный журнал прикладных и фундаментальных исследований. – 2014. – № 4. – С. 71-74.  <https://elibrary.ru/download/elibrary_21350924_27833230.pdf> | 4 | | Koychubekov B.K.,  Sorokina М.А., Mkhitaryan X.E. |
| 32 | Математические методы прогнозирования в медицине | printed | Успехи современного естествознания. – 2014. – № 4. – С. 29-36.  <https://elibrary.ru/download/elibrary_21260168_16396462.pdf> | 8 | | Koychubekov B.K.,  Sorokina М.А., Mkhitaryan X.E. |
| 33 | "Медициналық биофизика" пәнін оқыту процесіне пәнаралық тәсілді енгізудің тиімділігін бағалау | printed | Медицина и экология. 2022. – № 3 (104). – С. 47-50.  <https://medecol.qmu.kz/jour/article/view/334/292?locale=kk_KZ> | 4 | | Mkhitaryan X.E.,  Aytkenova A.A.,  Brazhanova А.К.,  Коrshukov I.V. |
| 34 | Study of the activity of basic EEG rhythms during memorization using the Loci method | printed | Biology and Integrative Medicine. 2024. – № 3 (68). – С. 93-104.  <https://elibrary.ru/download/elibrary_67993540_61684853.pdf> | 12 | | Tigay R.A.,  Mkhitaryan X.E.,  Barkhanskaya V.I.,  Rakhmankulov A.A. |

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| 1 | 2 | 3 | 4 | 5 | 6 | |
| 35 | Computation of Nonlinear Parameters of Heart Rhythm Using Short Time ECG Segments | printed | Computational and Mathematical Methods in Medicine, 2015,  No статьи 983479  DOI:10.1155/2015/983479 | 7 | | Koichubekov Berik, Korshukov Ilya, Omarbekova Nazgul, Riklefs Viktor, Sorokina Marina, X.E. Mkhitaryan, |
| 36 | Person identification using the composition of elements in human hair | printed | Journal of Medicine and Life, 2022, 15(11), P. 1419–1430  DOI: 10.25122/jml-2022-0100 | 12 | | Saule Mussabekova, X.E. Mkhitaryan, |
| 37 | Quantitative Characteristics of Neutrophil Extracellular Traps in Tumor Tissues in Colorectal Cancer | printed | Open Access Macedonian Journal of Medical Sciences, 2020. – Т. 8(B). – С. 1152 – 1156  <https://doi.org/10.3889/oamjms.2020.4840> | 5 | | Larissa Muravlyova, Mereke Maratkyzy, Nailya Kabildina, Ksenia Mkhitaryan, Olga Ponamareva, Ryszhan Bakirova, Vilen Molotov-Luchanskiy, Valentina Sirota |
| 38 | The Reactive Carbonyl Derivatives of Proteins, Methylglyoxal, and Malondialdehyde in Blood of Women with Breast Cancer | printed | Open Access Macedonian Journal of Medical Sciences, 2021. – Т. 9(B). – С. 509 – 514  <https://doi.org/10.3889/oamjms.2021.5564> | 6 | | Sabina Zhumakayeva, Larissa Muravlyova, Valentina Sirota, Vilen Molotov-Luchansky, Ryszhan Bakirova, Nailya Kabildina, Xeniya Mkhitaryan, Zhumakayeva Ainura |
| 39 | Assessment of the Possibilities of Forensic Identification  Population of Kazakhstan by Craniometric Indicators | printed | Open Access Macedonian Journal of Medical Sciences, 2022. – Т. 10. – № A. – С. 685 – 694.  <https://doi.org/10.3889/oamjms.2022.9130> | 10 | | Mussabekova S., Stoyan A., X.E. Mkhitaryan, |
| 40 | Sexual Inviolability of Minors in Central Kazakhstan: A Forensic  Medical Analysis | printed | Open Access Macedonian Journal of Medical Sciences, 2022. – Т. 10. – № A. – С. 1226 – 1233.  <https://doi.org/10.3889/oamjms.2022.9824> | 8 | | Saule Mussabekova, X.E. Mkhitaryan, |

Author, cand.med. sci. X.E. Mkhitaryan

Senate secretary, cand.ph.sci. M.A. Maretbayeva

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| *List of scientific papers in the materials of international conferences* | | | | | |
| 41 | Assesment of influence of physical load on the main hemodynamic indicators of first year students | printed | Статья в Сборнике материалов II Международной научно-практической конференции «European Scientific Conference». Пенза, 07 марта 2017 г. – С. 160-164.  <https://elibrary.ru/download/elibrary_28762655_81012551.pdf> | 5 | Blok Ye.I., Mkhitaryan X.E. |
| 42 | Исследование активности альфа-ритма ЭЭГ в процессе запоминания с использованием метода LOCI | printed | Статья в Сборнике избранных статей Международной научной конференции «Наука. Исследования. Практика». Санкт-Петербург, 2020. С. – 39-41.  <https://elibrary.ru/download/elibrary_43674267_53626382.pdf> | 3 | Mkhitaryan X.E., Barkhanskaya V.I. |
| 43 | Оценка фактического питания медицинских работников ПМСП поликлиник города Караганды | printed | Статья в Сборнике избранных статей по материалам Международной научной конференции «Наука. Исследования. Практика». Санкт-Петербург, 2021. – С. 14-16.  <https://elibrary.ru/download/elibrary_46418425_38006570.pdf> | 3 | Usenova M.M., Mkhitaryan X.E. |
| 44 | Study of the activity of amplitudes of alpha and beta rhythms on egg in the process of memorization with the usage of the loci method | printed | Сборник статей международной научно-практической конференции Перспективы инновационных научно-практических исследований и разработок. 24 февраля 2023 г., г. Санкт-Петербург. – С. 6-9.  <https://elibrary.ru/download/elibrary_50478182_95735604.pdf> | 4 | Barkhanskaya V.I.  Mkhitaryan X.E., Yermekov К. Е., Seitkaliyeva D. V., Seitkaliyeva Z. V. |

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| *Teaching aids, innovative patents, author's certificates* | | | | | |
| 45 | Электронная таблица для расчета статистических характеристик качественных величин | printed | Свидетельство о внесении сведений в государственный реестр прав на объекты, охраняемые авторским правом № 0853 от 2 апреля 2018 года. | 1 | X.E. Mkhitaryan, М.А. Sorokina,  I.V. Коrshukov,  V.I. Pashev |
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