

СПИСОК
научных и научно-методических трудов
Директора НИЦ «Big Data and Blockchain Technologies» АИТУ, доктора философии (PhD)
Нугумановой Алии Багдатовны

Р/с №	Атауы - Название	Баспа, журнал (атауы, №, жылы, беттері), авторлық куәліктің, патенттің № - Издательство, журнал (название, №, год, страницы), № авторского свидетельства, патента	Баспа табақтар - Количество печатных листов	Қосалқы авторлардың аты-жөні - Ф.И.О. соавторов
В международных рецензируемых изданиях				
1.	Transfer learning using the global Caravan dataset for developing a local river streamflow prediction model	Environmental Modelling & Software, 2025, Vol. 194, 106691. DOI: https://doi.org/10.1016/j.envsoft.2025.106691 CiteScore (2024) 9.8 percentile 85% in Software	0.87	Alzhanov, A., Moreido, V.
2.	Global Embeddings, Local Signals: Zero-Shot Sentiment Analysis of Transport Complaints	Informatics, 2025, Vol. 12(3), 82. DOI: https://doi.org/10.3390/informatics12030082 CiteScore (2024) 8.4 percentile 85% in Computer Networks and Communications	2.31	Rakhimzhanov D, Mansurova A.
3.	LSTM-Based River Discharge Forecasting Using Spatially Gridded Input Data	Data, 2025, Vol. 10(8), 122. DOI: https://doi.org/10.3390/data10080122 CiteScore (2024) 5 percentile 69% in Information Systems and Management	1.69	Rakhymbek, K., Mukanova, B., Bondarovich, A., Chernykh, D., Alzhanov, A., Nurekenov, D., Pavlenko, A.
4.	From Raw GPS to GTFS: A Real-World Open Dataset for Bus Travel Time Prediction	Data, 2025, Vol. 10(8), 119. DOI: https://doi.org/10.3390/data10080119 CiteScore (2024) 5 percentile 69% in Information Systems and Management	1	Mansurova, A., Mussina, A., Aubakirov, S., Yedilkhan, D.
5.	Exploring the Impact of Students' Prompt Engineering on GPT's Performance: A Blockchain-Focused Automatic Term Extraction Experiment	Electronics, 2025, Vol. 14(11), 2098. DOI: https://doi.org/10.3390/electronics14112098 CiteScore (2024) 6.1	1.38	Alzhanov, A., Mansurova, A., Mansurova, M.

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А.Б. Нугуманова

Ғалым хатшысы

1

Ученый секретарь:

А.Р. Файзуллин

		percentile 76% in Signal Processing		
6.	T-Extractor: A Hybrid Unsupervised Approach for Term and Named Entity Extraction Using Rules, Statistical, and Semantic Methods	Informatica, 2025, Vol. 49(2). DOI: https://doi.org/10.31449/inf.v49i2.8148 CiteScore (2024) 2.1 percentile 35% in Computer Science Applications	1.25	Kalykulova, A.
7.	Hybrid feature-based neural network regression method for load profiles forecasting	Energy Inform, 2025, Vol. 8(1), 19. DOI: https://doi.org/10.1186/s42162-025-00481-0 CiteScore (2024) 4.9 percentile 66% in Computer Networks and Communications	1.25	Satan, A., Zhakiyev, N., Friedrich, D.
8.	QA-RAG: Exploring LLM Reliance on External Knowledge	Big Data and Cognitive Computing, 2024, Vol. 8(9), 115. DOI: https://doi.org/10.3390/bdcc8090115 CiteScore (2024) 9.8 percentile 85% in Information Systems	0.94	Mansurova, A., Mansurova, A.
9.	Semantic Non-Negative Matrix Factorization for Term Extraction	Big Data and Cognitive Computing, 2024, Vol. 8(7), 72. DOI: https://doi.org/10.3390/bdcc8070072 CiteScore (2024) 9.8 percentile 85% in Information Systems	1.5	Alzhanov, A., Mansurova, A., Rakhymbek, K., Baiburin, Y.
10.	The Development of a Water Resource Monitoring Ontology as a Research Tool for Sustainable Regional Development	Data, 2023, Vol. 8(11), 162. DOI: https://doi.org/10.3390/data8110162 CiteScore (2023) 4.3 percentile 58% in Information Systems	1.75	Ospan, A., Mansurova, M., Barakhnin, V., Titkov, R.
11.	A Multispectral UAV Imagery Dataset of Wheat, Soybean and Barley Crops in East Kazakhstan	Data, 2023, Vol. 8(5), 88. DOI: https://doi.org/10.3390/data8050088 CiteScore (2023) 4.3 percentile 58% in Information Systems	0.81	Maulit, A., Apayev, K., Baiburin, Y., Sutula, M.
12.	NMF-based approach to automatic term extraction	Expert Systems with Applications, 2022, Vol. 199, 117179. DOI: https://doi.org/10.1016/j.eswa.2022.117179	1.25	Akhmed-Zaki, D., Mansurova, M., Baiburin, Y., Maulit, A.

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А.Р. Файзуллин

		CiteScore (2022) 12.6 percentile 95% in Computer Science Applications		
В изданиях, рекомендуемых уполномоченным органом КОКНВО РК				
13.	Using Graph Centrality Metrics for Detection of Suspicious Transactions	Scientific Journal of Astana IT University. – 2025. – Т. 22. – С. 134-152. DOI: https://doi.org/10.37943/22ZSKI6025	1.19	Baigabyl, R., Sodnomova, M.
14.	Using Mlops for Deployment of Opinion Mining Model as a Service for Smart City Applications	Scientific Journal of Astana IT University. – 2025. – Т. 21. – С. 104-124. DOI: https://doi.org/10.37943/21CPOX5616	1.31	Mussina, A., Yedilkhan, D., Alimzhanov, Y., Aubakirov, S., Mansurova, A.
15.	Leveraging Big Data for Dog Health Analysis: An Exploratory Study Using "Tanba" in Kazakhstan	Scientific Journal of Astana IT University. – 2025. – Т. 21. – С. 137-156. DOI: https://doi.org/10.37943/21SUAS7119	1.25	Shoman, A., Smayl, A., Kalykulova, A., Mukhametkaliyev, A.
16.	Feature Selection Methods for Lstm-Based River Water Level and Discharge Forecasting	Scientific Journal of Astana IT University. – 2025. – Т. 21. – С. 49-61. DOI: https://doi.org/10.37943/21EHLH9882	0.81	Alzhanov, A.
17.	High-Resolution Satellite Estimation of Snow Cover for Flood Analysis in East Kazakhstan Region	Scientific Journal of Astana IT University. – 2024. – Т. 19. – С. 118–127. DOI: https://doi.org/10.37943/19VUAO6399	0.63	Alzhanov, A.
18.	Development of a question answering chatbot for blockchain domain	Scientific Journal of Astana IT University. – 2024. – Т. 15. – С. 27-40. DOI: https://doi.org/10.37943/15XNDZ6667	0.88	Mansurova, A., Makhambetova, Z.
19.	Research on crop classification methods based on machine learning using wavelet transformations	Eurasian Journal of Applied Biotechnology – 2023. – №. – 2. – С. 52-60. DOI: https://doi.org/10.11134/btp.2.2023.7	0.56	Alzhanov, A., Sutula M.
20.	Forecasting Electricity Consumption: Case Study in Astana	Scientific Journal of Astana IT University. – 2023. – Т. 14. – С. 16-25. DOI: https://doi.org/10.37943/14TRMF1662	0.63	Sagadatova, N., Zhakiyev, N., Talas, B.
21.	QURMA: a table extraction pipeline for knowledge base population	Journal of Mathematics, Mechanics and Computer Science. – 2022. – Т. 114. – №. 2. – С. 91-100. DOI: https://doi.org/10.26577/JMMCS.2022.v114.i2.08	0.63	K. Apayev, Y. Baiburin, M Mansurova, A. Osman

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А.Р. Файзуллин

22.	Natural Language Processing Methods for Concept Map Mining: The case for English, Kazakh and Russian Texts	Journal of Mathematics, Mechanics and Computer Science. – 2021. – Т. 112. – №. 4. – С. 148-161. DOI: https://doi.org/10.26577/JMMCS.2021.v112.i4.08	1	A. Tlebaldinova, Y. Baiburin, Y. Ponkina
23.	Deuterium trapping in tungsten irradiated with deuterium plasma at high temperatures	Eurasian Physical Technical Journal. – 2020. – Т. 17. – №. 2(34). – 116-122. DOI: https://doi.org/10.31489/2020No2/116-122	0.44	Рахадиллов, Б. К., Скаков, М. К., Миниязов, А. Ж., Журерова, Л. Г., Хасенов, А. К., Карабекова, Д. Ж.
24.	Exploration of student behavior patterns through digital footprints	Journal of Mathematics, Mechanics and Computer Science. – 2019. – Т. 103. – №. 3. – С. 43-54. DOI: https://doi.org/10.26577/JMMCS-2019-3-25	0.75	Mansurova, M., Baiburin, Y.
Монографии ПК				
25.	Программная реализация методов точного земледелия средствами R и Python // Усть-Каменогорск: Издательство «Берел» Восточно-Казахстанского университета имени Сарсена Аманжолова, 2022. – 106 с. ISBN: 978-601-314-606-5		6.16	-
В международных научных конференциях IEEE/Scopus				
26.	Developing a Kazakh question-answering model: standing on the shoulders of multilingual giants	2024 IEEE 4th International Conference on Smart Information Systems and Technologies (SIST) IEEE, 2024, pp. 600–605. DOI: https://doi.org/10.1109/SIST61555.2024.10629326	0.38	Аpayев, К., Saken, A., Quandyq, S., Mansurova, A., Kamiluly, A.
27.	Addressing data gaps in environmental sensors: a case study on temporal patterns and restoration strategies in East Kazakhstan region	The 1st International Workshop on Intelligent Mobile Systems based on the Internet of Things, Procedia Computer Science, 2024, pp. 445–450. DOI: https://doi.org/10.1016/j.procs.2024.08.062	0.38	Alzhanov, A., Zhomartkan N.
28.	Sentiment Analysis of Reviews in Kazakh with Transfer Learning Techniques	2022 International Conference on Smart Information Systems and Technologies, SIST 2022 IEEE, 2022, pp. 1–6. DOI: https://doi.org/10.1109/SIST54437.2022.9945811	0.38	Baiburin, Y., Alimzhanov, Y.

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