

List of scientific papers in international peer-reviewed scientific journals  
included in the Scopus and Web of Science databases  
Ozhikenov Kassymbek

Author IDs:

Scopus Author ID: 55786062700

Web of Science Researcher ID: O-2612-2017, IEY-1847-2023

ORCID: <https://orcid.org/0000-0003-2026-5295>

№/ No	Title of the publication	Type of publication	Name of the journal, year of publication, DOI	The impact factor of the journal, quartile and field of science according to Journal Citation Reports for the year of publication	Index in the Web of Science Core Collection database	CiteScore of the journal, percentile and field of science according to Scopus data for the year of publication	Name of the authors (underline the name of the applicant)	The role of the applicant
1	2	3	4	5	6	7	8	9
1	Architecting the Orthopaedical Clinical AI Pipeline: A Review of Integrating Foundation Models	Review	Algorithms (MDPI), 2026, Vol. 19, No. 2, Article 99.	(2024) JIF 2.1,	ESCI	(2024) CiteScore 4.5,	<u>Boltabayeva A.,</u> <u>Baigarayeva Zh.,</u> <u>Imanbek B.,</u>	Corresponding author

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MINISTRY OF SCIENCE AND HIGHER EDUCATION OF THE REPUBLIC OF KAZAKHSTAN  
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	and FHIR for Agentic Clinical Assistants and Digital Twins		<a href="https://doi.org/10.3390/a19020099">https://doi.org/10.3390/a19020099</a>			Mathematics: Numerical Analysis - 78 % процентиль	Amangeldy B., Tasmurzayev N., <u>Ozhikenov K.</u> , Alimbayeva Zh., Alimbayev Ch., Karymsakova N.	
2	Non-Imaging Differential Diagnosis of Lower Limb Osteoarthritis: An Interpretable Machine Learning Framework	Article	Algorithms (MDPI), 2026, Vol. 19(1), Article 87. <a href="https://doi.org/10.3390/a19010087">https://doi.org/10.3390/a19010087</a>	(2024) JIF 2.1,	ESCI	(2024) CiteScore 4.5, Mathematics: Numerical Analysis - 78 % процентиль	Baigarayeva Zh., Boltabayeva A., Imanbek B., Amangeldy B., Tasmurzayev N., <u>Ozhikenov K.</u> , Ozhiken A., Alimbayeva Zh., Maeda-Nishino N.	Corresponding author
3	Development and Pilot Evaluation of a Wearable 12-Lead ECG System for Multilead Feature Analysis in Individuals with Different Glycemic Status	Article	Sensors, 2026, 26(5), 1598. DOI: <a href="https://doi.org/10.3390/s26051598">https://doi.org/10.3390/s26051598</a>	(2024) JIF 3.5 Engineering, electrical & electronic-Q2	(2024) SCIE	(2024) CiteScore 8.2 Electrical and Electronic Engineering — 84% процентиль	Alimbayev Ch., Alimbayeva Zh., <u>Ozhikenov K.</u> , Karibayev K., Orynbay Zh., Igembay Y., Daniyalov M., Nurdanali A.	Corresponding author

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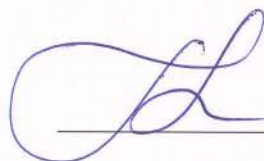
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4	Interpretable Machine Learning-Based Differential Diagnosis of Hip and Knee Osteoarthritis Using Routine Preoperative Clinical and Laboratory Data.	Article	Algorithms (MDPI), 2026, Vol. 19, Article 24. <a href="https://doi.org/10.3390/a19010024">https://doi.org/10.3390/a19010024</a>	(2024) JIF 2.1,	ESCI	(2024) CiteScore 4.5, Mathematics: Numerical Analysis - 78 % процентиль	Baigarayeva, Z.; Imanbek, B.; Boltaboyeva, A.; Amangeldy, B.; Tasmurzayev, N.; <u>Ozhikenov, K.</u> ; Baimbetov, D.; Beisembekova, R.; Maeda-Nishino, N. I	Corresponding author
5	Design and Testing of an Emg-Controlled Semi-Active Knee Prosthesis.	Article	Sensors 2025, 25, 7505. <a href="https://doi.org/10.3390/s25247505">https://doi.org/10.3390/s25247505</a>	(2024) JIF 3.5 Engineering, electrical & electronic – Q2	(2024) SCIE	(2024) CiteScore 8.2 Electrical and Electronic Engineering - 85% процентиль	<u>Ozhikenov, K.</u> ; Nurgizat, Y.; Ayazbay, A. A.; Uzbekbayev, A.; Sultan, A.; Nussibaliyeva, A.; Zhetenbayev, N.; Kalykpaeva, R.; Sergazin, G.	Corresponding author
6	Sensor-driven control strategies for post-stroke shoulder rehabilitation exoskeletons: A systematic review	Review	MethodsX, Vol. 15, December 2025, 103648. <a href="https://doi.org/10.1016/j.mex.2025.103648">https://doi.org/10.1016/j.mex.2025.103648</a>	(2024) IF 1.9 Multidisciplinary sciences – Q2	(2024) ESCI	(2024) CiteScore 3.4 Multidisciplinary – 78%	Karasheva M., Saudanbekova A., Utebergen A., Akkulova S., Niyetkaliyev A., <u>Ozhikenov K.</u> ,	Corresponding author

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							Ozhiken A., Alimbayev Ch., Shylymyrza U., Aimukhanbetov Y.	
7	Neural Network Algorithm Based on LVQ for Myocardial Infarction Detection and Localization Using Multi-Lead ECG Data	Article	Computers, Materials & Continua, 2025, 82(3), 5257-5284. <a href="https://doi.org/10.32604/cmc.2025.061508">https://doi.org/10.32604/cmc.2025.061508</a>	(2024) JIF 1.7	(2024) SCIE	(2024) CiteScore 6.1 Electrical and Electronic Engineering - 76% процентиль	<u>Ozhikenov K.</u> , Alimbayeva Zh., Alimbayev Ch., Ozhikenova A., Altay Y.	First author
8	Comparative Analysis of Model-Based and Data-Driven Control for Tendon-Driven Robotic Fingers	Article	Mathematics 2025, 13, 3669. <a href="https://doi.org/10.3390/math13223669">https://doi.org/10.3390/math13223669</a>	(2024) JIF 2.2 Engineering, electrical & electronic – Q2	(2024) SCIE	(2024) CiteScore 4.6 Engineering - 73% процентиль	Suleimenov, K.; Kapsalyamov, A.; Abdikenov, B.; Ozhikenova, A.; Igembay, Y.; <u>Ozhikenov, K.</u>	Corresponding author
9	A Review of Innovative Medical Rehabilitation Systems with Scalable AI-Assisted Platforms for Sensor-Based Recovery Monitoring	Review	Applied Sciences (Switzerland), 2025, Vol. 15, Issue 12, Article 6840. DOI: <a href="https://doi.org/10.3390/app15126840">https://doi.org/10.3390/app15126840</a>	(2024) JIF 2.5 Engineering, multidisciplinary – Q2	(2024) SCIE	(2024) CiteScore 5.5 General Engineering – 79% процентиль	Boltaboyeva A., Baigarayeva Z., Imanbek B., <u>Ozhikenov K.</u> , Aidarova T., Karymsakova N.	Corresponding author

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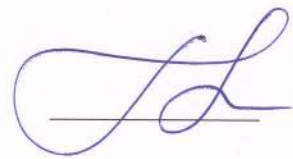
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10	Design issues of the concept of emergency monitoring and control system building	Article	News of the National Academy of Sciences of the Republic of Kazakhstan. Series of Geology and Technical Sciences, Vol. 1, №421, 2017, pp. 134–140.	–	–	CiteScore 0.0 Geotechnical Engineering and Engineering Geology – 6% процентиль	<u>Ozhikenov K.A.</u> , Mikhailov P.G., Aitimov M.J.	First author
11	Hospital- replacing technologies as an effective medical treatment form	Article	The European Journal of Public Health, Vol. 26, I 1, 2016. <a href="https://doi.org/10.1093/eurpub/ckw175.158">https://doi.org/10.1093/eurpub/ckw175.158</a>	JIF 2.431 Public, environmental & occupational health – Q2	SCIE	–	<u>Ozhikenova A.K.</u> , Kurakbayev K.K., <u>Ozhikenov K.A.</u>	Co-author
12	Evaluation of economic efficiency and organization of medical aid to rural population in Kazakhstan	Article	The European Journal of Public Health, Vol. 26, Issue 1, 2016, p. 337. <a href="https://doi.org/10.1093/eurpub/ckw174.013">https://doi.org/10.1093/eurpub/ckw174.013</a>	JIF 2.431 Public, environmental & occupational health – Q2	SCIE	-	<u>Ozhikenova A.K.</u> , Kurakbayev K.K., <u>Ozhikenov K.A.</u>	Co-author

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13	Analysis of the Structure and Calculation of Time for the Environmental Monitoring System with Multi-Parameter Sensors	Article	News of the National Academy of Sciences of the Republic of Kazakhstan. Series of Geology and Technical Sciences, Vol. 2, №422, 2017, pp. 149–156.	–	–	CiteScore 0.0 Geotechnical Engineering and Engineering Geology – 6% процентиль	Aitimov M.Zh., <u>Ozhikenov K.A.</u> , Aitimova U.Zh., Dautbayeva A.O., Baimuratov O.A.	Co-author
14	Development of measuring system for determining life-threatening cardiac arrhythmias in a patient's free activity	Article	Eastern-European Journal of Enterprise Technologies, 1(9) (103), 12– 22. 2020. <a href="https://doi.org/10.15587/1729-4061.2020.197079">https://doi.org/10.15587/1729-4061.2020.197079</a>	–	–	CiteScore 2.2 Electrical and Electronic Engineering– 46% процентиль	Alimbayev, C., Alimbayeva, Z., <u>Ozhikenov, K.</u> , Bodin, O., & Mukazhanov, Y.	Co-author
15	Bionic Method for Controlling Robotic Mechanisms during Search and Rescue Operations	Article	International Journal of Mechanical Engineering and Robotics Research, Vol. 10, No. 3,	–	–	CiteScore 1.5 Control and Systems Engineering – 28% процентиль	Berdibayeva G., Bodin O., <u>Ozhikenov K.</u> , Berdibayev R.	Co-author

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			March 2021, pp. 128–136. DOI: <a href="https://doi.org/10.18178/ijmerr.10.3.128-136">10.18178/ijmerr.10.3.128-136</a>					
16	The feature of the autonomous robot for cleaning the floor in the bathroom	Article	Journal of Mathematics, Mechanics and Computer Science, 2022, Vol. 115, No. 3, pp. 91-100. DOI: <a href="https://doi.org/10.26577/JMMCS.2022.v115.i3.09">https://doi.org/10.26577/JMMCS.2022.v115.i3.09</a>	JIF 0.1	ESCI	-	Baratova A.B., <u>Ozhikenov K.A.</u> , Adilkhan A., Mussulmanbekova A.N., Zhumadillayev M.K., Tolebaev N.S.	Co-author
17	Portable ECG Monitoring System	Article	International Journal of Advanced Computer Science and Applications (IJACSA), 13(4), 2022. <a href="http://dx.doi.org/10.14569/IJACSA.2022.0130408">http://dx.doi.org/10.14569/IJACSA.2022.0130408</a>	JIF 0.9	ESCI	CiteScore 2.1 General Computer Science – 44% процентиль	Alimbayeva Zh.N., Alimbayev C.A., Bayanbay N.A., <u>Ozhikenov K.A.</u> , Bodin O.N., Mukazhanov Y.B.	Co-author

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18	Development of an atrioventricular block prediction of method for portable heart monitoring system	Article	Eastern-European Journal of Enterprise Technologies, 3(5 (117), 2022.P 15-27. <a href="https://doi.org/10.15587/1729-4061.2022.258791">https://doi.org/10.15587/1729-4061.2022.258791</a>	–	–	CiteScore 2.1 Electrical and Electronic Engineering– 36% процентиль	Bekbay A., Alimbayeva Zh., Alimbayev C., Bayanbay N., <u>Ozhikenov K.</u> , Mukazhanov Y..	Co-author
19	Development a novel design of miniaturized heptagonal Koch fractal wide band antenna for 5G mm wave and IoT applications	Article	Eastern-European Journal of Enterprise Technologies, 2024, Vol. 3, No. 5(129), pp. 6–14. DOI: <a href="https://doi.org/10.15587/1729-4061.2024.306712">https://doi.org/10.15587/1729-4061.2024.306712</a>	–	–	CiteScore 2.4 Control and Systems Engineering – 47% процентиль	Kassym R., Balgynbek T., Serikov T., <u>Ozhikenov K.</u> , Tlenshiyeva A., Yernazarov N.	Co-author
20	Wearable ECG Device and Machine Learning for Heart Monitoring	Article	Sensors 2024, 24, 4201. <a href="https://doi.org/10.3390/s24134201">https://doi.org/10.3390/s24134201</a>	JIF 3.5 Engineering , electrical & electronic – Q2	SCIE	CiteScore 8.2 Electrical and Electronic Engineering- 85% процентиль	Alimbayeva, Z.; Alimbayev, C.; <u>Ozhikenov, K.</u> ; Bayanbay, N.; Ozhikenova, A.	Co-author

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21	Development of an Ankle Exoskeleton: Design, Modeling, and Testing	Article	Sensors, 2025, Vol. 25, I 7, DOI: <a href="https://doi.org/10.3390/s25072020">https://doi.org/10.3390/s25072020</a>	(2024) JIF 3.5 Engineering , electrical & electronic – Q2	(2024) SCIE	(2024) CiteScore 8.2 Electrical and Electronic Engineering – 85% процентиль	Sergazin G., Ozhiken A., Zhetenbayev N., <u>Ozhikenov K.</u> , Tursunbayeva G., Nurgizat Y., Uzbekbayev A., Ayazbay A.A.	Co-author
22	Justification for Changes in the Design of the Rock Breaking Electromagnetic Hammer for Its Enhanced Efficiency	Article	News of the National Academy of Sciences of the Republic of Kazakhstan. Series of Geology and Technical Sciences, 2025, Vol. 2, pp. 70–83. <a href="https://doi.org/10.32014/2025.2518-170X.491">https://doi.org/10.32014/2025.2518-170X.491</a>	–	–	(2024) CiteScore 1.9 Geotechnical Engineering and Engineering Geology – 37% процентиль	Vassin K.A., Buktukov N.S., Aldiyarov N.U., <u>Ozhikenov K.A.</u> , Tkachenko O.N	Co-author
23	Correlation and Regression Analysis in Assessing the Relationship Between Water Indicators: a Brief Description of	Article	Technology Audit and Production Reserves, 2025, Vol. 1, I 2, pp. 49–	–	–	CiteScore 0.6	Yeldos A., Bazarbay L., <u>Ozhikenov K.</u> , Nakan U.,	Co-author

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	Long-Term Measurement Data from Biosensors		53. DOI: <a href="https://doi.org/10.15587/2706-5448.2025.323730">https://doi.org/10.15587/2706-5448.2025.323730</a>				Kalpeyeva Z.	
24	Modeling the Dynamics of a Heavy-Duty Mobile Robot Based on Gauss's Principle of Least Constraint	Article	Journal of Applied and Computational Mechanics, 11, 4, P 946-960, 2025, DOI <a href="https://doi.org/10.22055/jacm.2024.47902.4833">10.22055/jacm.2024.47902.4833</a>	(2024) JIF 3.4 Mechanics – Q2	(2024) ESCI	(2024) CiteScore 7.2 Computational Mechanics – 88% процентиль	Tuleshov A., Ozhiken A., <u>Ozhikenov K.</u> , Kuatova M., Ibrayev G., Gritsenko I., Kerimkulov D., Boltaboyeva A.	Co-author
25	Design and Analysis of an Autonomous Active Ankle–Foot Prosthesis with 2-DoF	Article	Sensors 2025, 25, 4881. <a href="https://doi.org/10.3390/s25164881">https://doi.org/10.3390/s25164881</a>	(2024) JIF 3.5 Engineering , electrical & electronic – Q2	(2024) SCIE	(2024) CiteScore 8.2 Electrical and Electronic Engineering - – 85% процентиль	Akhmejanov, S, Zhetenbayev, N., Sultan, A., Zhauyt, A., Nurgizat, Y., <u>Ozhikenov, K.</u> , Ayazbay, A.A., Uzbekbayev, A	Co-author
26	Self-supervised learning with BYOL for anterior cruciate ligament tear detection from knee MRI	Article	MethodsX (Elsevier), Vol. 15, December 2025, 103664	(2024) IF 1.9 Multidisciplinary	(2024) ESCI	(2024) CiteScore 3.4 Multidisciplinary – 78%	Aidarkhan A., Mukhamediya A., Askhatova A., Beisembekova R.,	Co-author

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			<a href="https://doi.org/10.1016/j.mex.2025.103664">https://doi.org/10.1016/j.mex.2025.103664</a>	sciences – Q2			Alimbayeva Zh., Ozhikenova A., Ozhikenov K., Jamwal P.K.	
27	Review and Comparative Analysis of Modern Knee Prostheses with Development of a Conceptual Design	Article	Engineering Proceedings, Vol. 104, No. 1, 2025, 80. <a href="https://doi.org/10.3390/engproc2025104080">https://doi.org/10.3390/engproc2025104080</a>	-	-	(2024) CiteScore 1.2 Electrical and Electronic Engineering – 27%	Sayat A., Nursultan Z., Yerkebulan N., Kassymbek O., Asset N. <u>Kassymbek, O</u>	Co-author
28	Research and Experimental Testing of a Remotely Controlled Ankle Rehabilitation Exoskeleton Prototype	Article	Sensors 2025, 25, 6784. <a href="https://doi.org/10.3390/s25216784">https://doi.org/10.3390/s25216784</a>	(2024) JIF 3.5 Engineering , electrical & electronic – Q2	(2024) SCIE	(2024) CiteScore 8.2 Electrical and Electronic Engineering - – 85% процентиль	Ozhiken, A.; Sergazin, G. Ozhikenov, K, Wang, H.; Zhetenbayev, N.; Tursunbayeva, G.; Nurmangaliyev A.; Uzbekbayev, A.	Co-author
29	Emerging Frontiers in Robotic Upper-Limb Prostheses: Mechanisms, Materials, Tactile Sensors and Machine Learning-	Review	Sensors, 2025, 25(13), 3892. <a href="https://doi.org/10.3390/s25133892">https://doi.org/10.3390/s25133892</a>	(2024) JIF 3.5 Engineering , electrical	(2024) SCIE	(2024) CiteScore 8.2 Electrical and Electronic Engineering –	Abdikenov B., Zholtayev D., Suleimenov K., Ozhikenov K.,	Co-author

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	Based EMG Control: A Comprehensive Review			& electronic – Q2		85% процентиль	Nadirov N., Kapsalyamov A	
30	Fast-Calibration-Based Control for an Upper-Limb Prosthesis	Article	IEEE Access (IEEE), 2025, Vol. 13, pp. 202438–202453, <a href="https://doi.org/10.1109/ACCESS.2025.3634486">https://doi.org/10.1109/ACCESS.2025.3634486</a>	(2024) JIF 3.6, Q2, Engineering, Electrical & Electronic	(2024) SCIE	(2024) CiteScore 9.0, General Engineering-90% процентиль	Zholtayev D., Khawaja A. R., <u>Ozhikenov K.</u> , Ozhikenova A., Shylmyrza U., Abdikenov B.	Co-author
31	Design Evolution and Experimental Validation of the AlmatyExoElbow Assisting Device	Article	Robotics 2026, 15, 12. <a href="https://doi.org/10.3390/robotics1501012">https://doi.org/10.3390/robotics1501012</a>	(2024) JIF 3.3, Robotics – Q2	(2024) ESCI	(2024) CiteScore 7.7 Control and Optimization – 92% процентиль	Bizhanov, D.; Ceccarelli, M.; <u>Ozhikenov, K.</u> ; Zhetenbayev, N.	Co-author
32	Design and Experimental Research of a Hybrid Cartesian Robot for Knee Joint Operations	Article	Journal of Robotics (Wiley), 2026. <a href="https://doi.org/10.1155/joro/2707567">https://doi.org/10.1155/joro/2707567</a>	(2024) JIF 1.3	(2024) ESCI	(2024) CiteScore 5.4, Control and Systems Engineering — 71% процентиль	Jomartov A., <u>Ozhikenov K.</u> , Tuleshov A., Seidakhmet A., Abduraimov A., Kamal A., Kuatova M., Kumarbek N.	Co-author

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List of scientific works  
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№ п/п	Title of the publication	Nature of the publication	Publication details	number of pages	Coauthors
1	2	3	4	5	6
<b>Articles in publications recommended by the Committee for Quality Assurance in the Field of Science and Higher Education of the Ministry of Science and Higher Education of the Republic of Kazakhstan</b>					
1	Modeling the temperature control system of heater in composite material	Printed	Доклады НАН РК. – Алматы, 2014. – №3. – С. 46–50. ISSN 2224-5227	5	Utebayev R., Baimbetova Zh.
2	Modeling the remote control system of traffic light through computer	Printed	Доклады НАН РК. – Алматы, 2014. – №3. – С. 51–54.	4	Utebayev R., Isimova A.
3	Механические и тепловые деформации в микромеханических структурах сенсорных элементов	Printed	Известия НАН РК. – 2014. – №4. – С. 497–501.	6	Михайлов П.Г., Күшегенова Ж.К., Айтимов М.Ж
4	Технологии формирования и контроля неразъемных соединений кремния и стекла в микромеханических узлах и измерительных модулях интеллектуальных датчиков	Printed	Вестник НАН РК. – 2014. – №4. – С. 20–25.	6	Ахметов Б.С., Михайлов П.Г.,
5	Использование обратных преобразователей в микроэлектронных датчиках	Printed	Вестник НАН РК. – 2014. – №6. – С. 22–26.	5	Михайлов П.Г., Касимов А.О., Скотников В.В.

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6	Общие вопросы моделирования компонентов и структур микроэлектронных датчиков	Printed	Вестник НАН РК. – 2014. – №6. – С. 27–34.	8	Михайлов П.Г., Касимов А.О., Петрин В.А., Маринина Л.А.
7	Вопросы обеспечения временной стабильности датчиков физических величин	Printed	Известия НАН РК. Серия физико-математическая. – 2015. – №3. – С. 191–198.	8	Михайлов П.Г., Рахимжанова П., Абдикулова З.
8	Блок стабилизации динамики управления приводами каротажной станции	Printed	Вестник КазНТУ. – 2015. – №4(110). – С. 396–401.	6	Кудайбергенова З. А.
9	Моделирование размерных цепей датчиков давления	Printed	Доклады НАН РК. – 2015. – №5. – С. 27–35.	9	Михайлов П.Г., Тулешов Е.А., Исмагулова Р.С., Айтжанова Г.Д.
10	Исследование адаптивных алгоритмов управления роботом-манипулятором	Printed	Вестник КазНТУ. – 2016. – №6. – С. 74–84.	11	Адилев А.И., Куатканова Ж.Е., Баянбай Н.А.
11	Мультиагентное управление полетом строя беспилотного летательного аппарата	Printed	Вестник КазНТУ. – 2016. – №6. – С. 57–64.	8	Баянбай Н.А., Куатканова Ж.Е., Адилев А.Е., Жалел Б.
12	Алгоритмы синхронизации функционирования группы роботов-манипуляторов	Printed	Вестник КазНТУ. – 2016. – №6. – С. 71–74.	4	Бекбай А.Т., Алдияров Н.У.,

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13	Алгоритм синхронизации группировки спутников на орбите Земли	Printed	Вестник КазННТУ. – 2016. – №6. – С. 89–92.	4	Адилов А.И., Куатканова Ж. Е., Баянбай Н.А.
14	Микроэлектрондық интеллектуалды датчиктердегі өлшеуіш модульдерді және сезімтал элементтерді диагностикалау мен бақылаудың мәселелерін зерттеу	Printed	Вестник КазННТУ. – 2016. – №6. – С. 299–303.	5	Михайлов П. Г., Күшегенова Ж.Қ., Айтимов М.Ж.
15	Сенсорлық элементтердің микромеханикалық құрылымдарындағы механикалық және жылулық деформациялары	Printed	Вестник КазННТУ. – 2016. – №5. – С. 497–501.	5	Михайлов П. Г., Күшегенова Ж.Қ., Айтимов М.Ж.
16	Физикалық шама датчиктерінің тұрақтылығын қамтамасыз ету мәселелері	Printed	Вестник КазННТУ. – 2016. – №6. – С. 116–122.	7	Михайлов П. Г., Күшегенова Ж.Қ., Айтимов М.Ж.
17	Оңтайлы реттеуіштерді аналитикалық құрамдастыру арқылы электродинамикалық стендтің динамикалық сипаттамасын жақсарту	Printed	ҚазККА Хабаршысы, № 4 (103), 2017, 6 63–69	7	Қабдолдина Ә.О., Михайлов П.Г., Уалиев Ж.Р.
18	Электродинамикалық стендтердің автоматтандырылған адаптивті жүйелерін тұрақтандыру	Printed	ҚазҰПУ хабаршысы. Физика-математика ғылымдары сериясы. – 2017. – №3(59). – С. 176–180.	5	Қабдолдина Ә.О., Михайлов П.Г., Қабдолдина Н.О., Уалиев Ж.Р.

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19	Өлшегіш түрлендірушілердің метрологиялық модельдері	Printed	ҚазҰПУ хабаршысы. Физика-математика ғылымдары сериясы. – 2017. – №4(60). – С. 142–146.	5	Қабдолдина Ә.О., Михайлов П.Г., Оралканова К.О., Уалиев Ж.Р.
20	Машиналық оқыту әдісінің көмегімен жүрек ауруын болжау	Printed/ electronic	Вестник КазАТК, (2022). 123(4), С 191–199. <a href="https://doi.org/10.52167/1609-1817-2022-123-4-191-199">https://doi.org/10.52167/1609-1817-2022-123-4-191-199</a>	8	Алимбаева, Ж., Еркебай, А., Ожикенова, А.
21	Модули связи системы управления БПЛА предназначенной для ЧС	Printed/ electronic	Вестник КазАТК, 2022, 123(4), С 209–216. <a href="https://doi.org/10.52167/1609-1817-2022-123-4-209-216">https://doi.org/10.52167/1609-1817-2022-123-4-209-216</a>	7	Баянбай, Н., Ожикен, А., Ахмедова, Д.
22	Comparison of machine learning algorithms for diagnosing diabetes	Printed/ electronic	Вестник НИА РК. 2024. No 3 (93), <a href="https://doi.org/10.47533/2024.1606-146X.46">https://doi.org/10.47533/2024.1606-146X.46</a>	9	Alimbayev Ch. A., Alimbayeva Zh. N., Orynbay Zh. S., Igembay Y. A.
23	An early warning system for hospitals using a wearable ECG device and machine learning	Printed/ electronic	Вестник КазАТК, 135(6), С 383–392. 2024. <a href="https://doi.org/10.52167/1609-1817-2024-135-6-383-392">https://doi.org/10.52167/1609-1817-2024-135-6-383-392</a>	10	Alimbayeva, Z., Alimbayev, C., Akhmedova, D., Ualieva, Z
24	Архитектура платформы медицинской реабилитации	Printed/ electronic	Известия НАН РК. Серия физико-математическая, (2), С 140–154. 2025 <a href="https://doi.org/10.32014/2025.2518-1726.349">https://doi.org/10.32014/2025.2518-1726.349</a>	14	Карымсакова Н., Бейсембекова, Р., Болысбек М.
25	Манипулятор үшін беріктілігі жоғары басқарудың адаптивті жүйесін әзірлеу	Printed/ electronic	Вестник КазАТК., 2025/4/5, Том 137, №2, С 133-141	8	Өжікен А., Тулешов А.,

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			<a href="https://doi.org/10.52167/1609-1817-2025-137-2-133-141">https://doi.org/10.52167/1609-1817-2025-137-2-133-141</a>		Рысбек И., Кәрім Ә.
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27	Adaptive motion control system for a manipulator	Printed/ electronic	Вестник Национальной инженерной академии Республики Казахстан, 2025, Т. 95, № 1, С. 160–169. <a href="https://doi.org/10.47533/2025.1606-146X.17">https://doi.org/10.47533/2025.1606-146X.17</a>	10	Tuleshov A., Kanatuly N., Mamutov M. S., Almazuly A., Kanatuly N.
28	Advancing Orthopaedic Imaging: Self-Supervised Vision Transformers for 3D Reconstruction of Knee Magnetic Resonance Imaging	Electronic	Traumatology and Orthopaedics of Kazakhstan. – 2025. – No. 6 (76). – Article jto027. DOI: <a href="https://doi.org/10.52889/1684-9280-2025-76-6-jto027">https://doi.org/10.52889/1684-9280-2025-76-6-jto027</a>	8	Bekbolat A., Beisembekova R., Mussina D., Alimbayev Ch., Imashev N..
29	Design and 2of a Robotic Prototype for Ankle Rehabilitation	Electronic	Traumatology and Orthopaedics of Kazakhstan. – 2025. – Vol. 76, No. 5. – Article jto021. DOI: <a href="https://doi.org/10.52889/1684-9280-2025-76-5-jto021">https://doi.org/10.52889/1684-9280-2025-76-5-jto021</a>	8	Shylmyrza U., Ozhiken A., Karasheva M., Askarov B., Mussina D.
30	AI-Driven Smart Wearable Systems for Personalized Rehabilitation Monitoring	Electronic	Traumatology and Orthopaedics of Kazakhstan. – 2025. – Vol. 76, No. 4. – Article jto010. DOI:	10	Beisembekova R., Aidarova T., Boltaboeva A.,

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			<a href="https://doi.org/10.52889/1684-9280-2025-76-4-jto010">https://doi.org/10.52889/1684-9280-2025-76-4-jto010</a>	Imanbek B., Karymsakova N.
<b>Patents</b>				
31	Способ и система оптимизации лечебно-диагностической медицинской помощи, Патент на изобретения		Евразийский патент на изобретение № 042718, 2023.03.17	Бейсембетов И.К., Бодин О.Н., Сафронов М.И., Ожикенова А.К., Махонин В.Е., Зикирбай К.Е.
32	Кардиоанализатор, Патент на изобретения		Евразийский патент на изобретение № 042078, 2023.01.11	Омарбеков Б.О., Туякбаев А.А., Ожикенова А.К., Зикирбай К.Е., Баянбай Н.А., Егембай Е.А., Сейткасымов Т.С., Бекбай А.Т.
33	Способ получения азота, Патент на полезную модель		Патент РК на полезную модель № 8560 от 09.02.2024	Туякбаев А.А., Ожикенова А.А., Бектилезов А.Ю., Баянбай Н.А., Базарбай Л., Туякбаев Д.А.,

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				Игембай Е.А., Шылмырза У.Ж.
34	Уровнемер, Патент на ФПолезную модель		Патент РК на полезную модель № 8095 от 23.02.2024	Туякбаев А.А., Баянбай Н.А., Базарбай Л., Туякбаев Д.А., Игембай Е.А., Шылмырза У.Ж., Толуханова М.М., Якупов А.А.
35	Method of providing data relating to the patients of medical institution		Patent for the invention of the Russian Federation RU2586854-C1, 10.06.2016 (Web of Science, Derwent Innovations Index, 2016-371470)	Bodin O.N., ets.
36	Комплекс для измерения высоты на воздушных судах		Удостоверение автора на полезную модель № 96351, 2016	Туякбаев А.А., Байбатырова А.С., Кушегенова Ж.К., Туякбаев Д.А.
37	Method for automatically determining geometric parameters of heart and torso of patient according to fluorographic images and visualization		Patent for the invention of the Russian Federation RU2016119077-A; RU2639018-C2, 19.12.2017 (Web of Science, Derwent Innovations Index, 2017-86745M)	Bodin O.N., ets.

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38	Method of rendering emergency cardiac care selecting method for providing emergency cardiac care		Patent for the invention of the Russian Federation RU2644303-C1, 08.02.2018 (Web of Science, Derwent Innovations Index, 2019-88409X)	Bodin O.N., ets.
39	Комплекс для оказания экстренной медицинской помощи		Удостоверение автора на полезную модель № 3413, 2018	Тулешов А.К., Туякбаев А.А., Ожикенова А.К., Ожикен А.К. и др
40	Способ получения поликристаллического кремния из фосфорного шлака		Патент на полезную модель № 4730, 2019	Туякбаев А.А., Ожикен А.К., Тулешов Е.А. и др.
41	Способ для сохранения полетной информации в случае аварийного падения летательного аппарата		Патент на полезную модель № 4738, 2019	Тулешов А.К., Туякбаев А.А., Ожикен А.К., Тулешов Е.А. и др.
42	Search and rescue method includes exploration, searching for victims, minimizing levels of striking factors		Patent for the invention of the Russian Federation RU2694528-C1, 16.07.2019 (Web of Science, Derwent Innovations Index, 2019-71643H)	Bodin O.N., Bayanbai N., Berdibaeva G.K., ets.
43	Neural network analysis method of cardiac condition has electrocardiographic examination of a patient in screening or emergency and emergency care		Patent for the invention of the Russian Federation RU2704913-C1, 31.10.2019 (Web of Science, Derwent Innovations Index, 019-A05882)	Bodin O.N., Alimbaeva Zh.N., ets.

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44	Method of organizing provision of medical care, involves adjusting parameters of optimal individual treatment regimen, identifying deviations and forming corrective effects to minimize deviations		Patent for the invention of the Russian Federation RU2018133887-A, 25.03.2020 (Web of Science, Derwent Innovations Index, 2020-39490C)	Bodin O.N., Alimbaev Ch.A., ets.
45	Method and system for bionic control of robotic devices has electroencephalographic signal analysis channel		Patent for the invention of the Russian Federation RU2759310-C1, 05.03.2022 (Web of Science, Derwent Innovations Index, 2021-D4809R)	Bodin O.N., Berdibaeva G.K., ets.
46	Установка досмотра		Патент на полезную модель № 5458, 2021	Кенжалиев Б.К., Туякбаев А.А., Ожикенова А.К., Ожикенов Д.А. и др.
47	Комплекс с манипулятором для автоматического закаливания изделий из железа		Патент на полезную модель № 5981, 2021	Омарбеков Б.О., Туякбаев А.А., Ожикен А.К. и др.
48	Система автоматического управления для закаливания изделий из железа		Патент на полезную модель № 6014, 2021	Тулешов А.К., Туякбаев А.А., и др.
49	Способ получения медицинского кислорода		Патент на полезную модель № 6093, 2021	Омарбеков Б.О., Туякбаев А.А., Ожикенова А.К. и др.
50	Комплекс для контроля за концентрациями вредных примесей в сточных водах		Патент на полезную модель № 6368, 2021	Михайлов П.Г., Туякбаев А.А.,

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				Ожикенова А.К., Ожикен А.К. и др.
51	Кардиоанализатор		Патент на полезную модель № 6371, 2021	Омарбеков Б.О., Туякбаев А.А., Ожикенова А.К. и др.
52	Способ рекуперативного торможения электромобиля		Патент на полезную модель № 6548, 2022	Туякбаев А.А., Бигалиева Ж.С. и др.
53	Умная розетка		Патент на полезную модель № 6549, 2022	Омарбеков Б.О., Туякбаев А.А., Ожикенова А.К. и др.
54	Способ дезинфекции		Патент на полезную модель № 7376, 2022	Туякбаев А.А., Ожикенова А.К. и др.
55	Способ отображения кровеносных сосудов пациента на компьютере		Патент на полезную модель № 7380, 2022	Туякбаев А.А., Ожикенова А.К. и др.
56	Способ адаптивной фильтрации электрокардиосигнала		Евразийский патент № 039701, 2022	Бодин О.Н., Сафронов М.И., Омарбеков Б.О., Ожикенова А.К., Алимбаев Ч.А.,

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				Алимбаева Ж.Н., Баянбай Н.А.
57	Система оптимизации лечебно-диагностической медицинской помощи		Патент РК на изобретение № 35734, 2022	Бейсембетов И.К., Бодин О.Н., Сафронов М.И., Ожикенова А.К., Алимбаев Ч.А., Алимбаева Ж.Н.
58	Способ адаптивной фильтрации электрокардиосигнала		Патент РК на изобретение № 35733, 2022	Бодин О.Н., Сафронов М.И., Омарбеков Б.О., Ожикенова А.К., Алимбаев Ч.А., Алимбаева Ж.Н., Баянбай Н.А.
59	Устройство для измерения уровня раздела двух жидких сред.		Патент на полезную модель №8403. 2023.	Туякбаев А.А., Ожикенова А.К., Бактыбаев М.К., Бердибаева Г.К. и др.
60	Способ нейросетевого анализа состояния сердца		Евразийский патент на изобретение № 043917, 2023	Алимбаева Ж.Н., Бодин О.Н. и др.

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61	Способ контроля за качеством масла вертолетных двигателей		Патент на полезную модель № 9245, 2024		Туякбаев А.А., Бердибаева Г.К. и др.
62	Система для определения качества воды		Патент на полезную модель № 10046, 2025		Туякбаев А.А., Ожикенова А.К., Бактыбаев М.К. и др.
<b>Articles published in other scientific journals and publications</b>					
63	The Dynamical Processes Adaptive Stabilization in the Robot Electric Drives Control System	Electronic	International Journal of Experimental Education. Impact factor РИНЦ = 0,532. — Issue 2. — 2013. — pp. 63–65.	3	Tuleshov A.K., Ozhiken A.K.
64	Жамбас сүйегі мойынының сынықтарын хирургиялық емдеу барысында құрылған «сынық-бекіткіш» биомеханикалық құрылымын зерттеу	Printed	Поиск-Изденіс. – №2(1). – Алматы, 2013. – 300–302 б.	3	Түгелбаева Ж.Е.
65	Статикалық пен функционалдық жүктемелері бар «эндопротез-сүйек цементі-жамбас сүйегі» жүйесінің механикалық қасиеттерін зерттеу	Printed	Поиск-Изденіс. – №2(1). – Алматы, 2013. – 214–216 б.	3	Жарасова А.М.
66	«Имплантант-омыртқаның бел бөлігі-жамбас» жүйесін бекіту кезіндегі кернеулік-деформациялық жағдайын зерттеу	Printed	Поиск-Изденіс. – №1(2). – Алматы, 2013. – 243–246 б.	4	Нұрбекқызы Т.

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67	«Жамбас сүйегі-эндопротез» жүйесінің жамбас буынын протездеуден кейінгі өзара әрекеттесуін биомеханикалық модельдеу	Printed	Поиск-Изденіс. – №2(2). – Алматы, 2013. – 248–251 б.	4	Шортанбаева Ә.Ә.
68	«Сүйек-бекіткіш» биомеханикалық құрылымының беріктігін тәжірибелік жолмен зерттеу	Printed	Қазақстан жоғары мектебі – Высшая школа Казахстана. – №2(2). – Алматы, 2013. – 235–237 б.	3	Түгелбаева Ж.Е.
69	Dynamic Control stabilizing in Manipulator Drives' System	Printed	Известия НАН РК. – Алматы, 2013. – №5. – pp. 28–33.	6	-
70	Композиттік материалдағы қыздырғыштың температурасын басқаратын жүйені модельдеу	Printed	Вестник КазНТУ. Раздел механики машиностроения. – №2. – Алматы, 2014. – С. 131–136.	6	Утебаев Р.М., Баймбетова Ж.М.
71	Бағдаршамды компьютер арқылы алыстан қолмен басқару жұмысын модельдеу	Printed	Вестник КазНТУ. Раздел механики машиностроения. – №3. – Алматы, 2014. – С. 256–259.	4	Утебаев Р.М., Исимова А.Т.
72	Исследование вопросов диагностики и контроля чувствительных элементов и измерительных модулей микроэлектронных интеллектуальных датчиков	Printed	Доклады НАН РК. – Алматы, 2014. – №4. – С. 35–40.	6	Михайлов П.Г., Касимов А.О.
73	Оттегі станциясының компрессорлық қондырғысын автоматты басқаратын жүйе	Printed	Поиск-Изденіс. – №2(3). – 2014. – С. 69–73.	5	Лебаева Б.
74	Оттегі станциясының компрессорлық қондырғысындағы қысымды ұстайтын жүйе	Printed	Поиск-Изденіс. – №2(3). – 2014. – С. 143–146.	4	Атантаева Ж.А., Лебаева Б.А.

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75	Емдеу-алдын алу мекемелеріндегі орталықтандырылған медициналық оттегі газымен қамту жүйесінің және адсорбциялық бағандағы қысымды басқару блогы	Printed	Дәрігер, логопед және психолог балабақшада және мектепте. – №2–3 (64). – 2014. – С. 14–16.	3	Сержанқызы Ә., Далбанбай А.
76	Автоматизация процесса каротажа на базе современной информационной и компьютерной техники	Printed	Поиск-Изденіс. – №2(3). – 2014. – С. 308–311.	4	Аленова Р.А.
77	Жоғары білім беруді жаңа технологияға көшіру – заман талабына сай білікті маман даярлаудың кепілі	Printed	Қазақстан жоғары мектебі – Высшая школа Казахстана. – №1. – 2015. – С. 39–41.	3	Исмагулова Р.С.
78	Узлы и компоненты микроэлектронных датчиков	Printed	Известия Южного федерального университета. Технические науки. – 2015. – №3 (164). – С. 184–193.	10	Михайлов П.Г., Касимов А.О., Аналиева А.У.
79	Исследование нелинейных алгоритмов управления активным магнитным подвесом	Electronic	European science. – Россия. – Impact factor РИНЦ=0,21. – 2015. – №3(4). – С. 6–10.	5	Асет М.
80	Особенности измерения и контроля геометрических параметров элементов и узлов датчиков физических величин	Electronic	Измерение. Мониторинг. Управление. Контроль. – Impact factor РИНЦ=0,115. – 2015. – №1(11). – С. 36–43.	8	Михайлов П.Г.,
81	Вопросы конструирования датчиков для измерения давления высокотемпературных сред	Electronic	Измерение. Мониторинг. Управление. Контроль. – Impact factor РИНЦ=0,115. – 2015. – №2(12). – С. 10–18.	9	Михайлов П.Г., Сазонов А.О.,

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82	Studing the High-Temperature Sensor Element and the Structure of Measuring	Electronic	Bulletin of the National Academy of Sciences of the Republic of Kazakhstan. – 2015. – Issue 5. – P. 37–47.	11	Mikhailov P.G., Tuleshov E.A., Ismagulova R.S., Aitzhanova G.D.
83	Concept of emergency medical care / Концепция оказания экстренной медицинской помощи пострадавшим в чрезвычайных ситуациях	Printed	Bulletin of the Russian Military Medical Academy. — Организация здравоохранения. — 2015. — №3 (51). — С. 143–147. (Impact factor РИНЦ = 0,375)	5	Bodin O.N.; Ozhikenova A.K.; Sergeenkov A.S.; Useмбаева S.A.
84	Problems of medical care in an emergency situation	Electronic	International Journal of Health and Medical Sciences. — 2015. — Vol. 1, №2. — Pp. 37–41.	5	Oleg B.N., Kassymbek O.A., Aiman O.K., Anton S.S.
85	Modeling the control system of sensor movement mechanism of logging unit	Electronic	International Journal of Technology and Engineering Studies. — 2015. — Vol. 1, №3. — Pp. 68–73.	6	Tuleshov E., Ismagulova R., Aitzhanova G., Ozhiken A.
86	Исследование динамики полета беспилотного летательного аппарата	Printed	Вестник Национальной академии наук Республики Казахстан / Bulletin of National Academy of Sciences of the Republic of Kazakhstan, Volume 4, Number 368, 2017	6	Рахметова П.М., Ожикен А.К.

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87	ACS of the Set of Hydrocyclones with a Variable Geometry in the System of HAR TPP	Printed	Reports of the National Academy of Sciences of the Republic of Kazakhstan. – 2017. – Vol. 5. – No. 315	8	Azamatov B.N., Azamatova Zh.K.
88	Assessment of the effectiveness of the use of palladium in catalytic SHS-units for diesel engines	Printed	News of the National Academy of Sciences of the Republic of Kazakhstan. Series of Geology and Technical Sciences, Vol. 4 (№424), 2017, pp. 142–147.	6	Azamatov B.N., Azamatova Zh.K.
89	Monitoring and analysis of bedspace use in day hospitals	Printed	Reports of the National Academy of Sciences of the Republic of Kazakhstan. 2017. №1 pp. 31-34.	4	Ozhikenova A.K., Kurakbayev K.K., Karataev M.,
90	Вибростендтің автоматтандырылған басқару жүйелері үшін ACOR-ды қолдану	Printed	«Шахмардан Есеновтың ғылыми мұрасы» Халықаралық Сәтбаев оқуларының еңбектері. 2017. 619–623 б.	5	Қабдолдина Ә.О., Михайлов П.Г., Қабдолдина Н.О., Уалиев Ж.Р
91	Предварительная обработка речевого сигнала в среде Matlab	Printed	"Высшая школа Казахстана" №3. 2017. июнь	-	Турсынбай Д.Ж.
92	Портативный мобильный кардиоанализатор для дистанционного мониторинга ЭКГ	Electronic	«Научно-практический электронный журнал Аллея Науки» №5(44) 2020. Alley-science.ru	1	Махонин В.Е., Алимбаев Ч.А., Бодин О.Н.
93	Беттік электромиография сигналын өңдеу әдістері	Electronic	Vestnik KazNRTU. – 2020. – Т. 139, № 3. – С. 113–118.	6	Yussupova D.A., Alimbayev S.A., Alimbayeva Z.N., Bayanbay N.A.

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94	Структура медицинской информационной системы для выявления предрасположенности и предотвращения внезапной сердечной смерти	Printed	XXI век: итоги прошлого и проблемы настоящего плюс. – 2021. – Т. 10, № 3. – С. 86–90. DOI: 10.46548/21vek-2021-1055-0016	5	Бекбай А.Т., Бодин О.Н., Чекайкин С.В., Алимбаев Ч.А.
95	Биометрические технологии в предполетном досмотре в аэропорту	Printed	Вестник науки Южного Казахстана. – 2021. – № 2 (14). – С. 95–102. ISSN 2616-6429	8	Туякбаев А.А., Нурмагамбет С.Д., Тургенбаев Д.Н.
96	Прогнозирование жизнеопасных аритмий в информационно-измерительной системе электрокардиодиагностики	Printed	Измерение. Мониторинг. Управление. Контроль. – 2021. – № 3 (37). – С. 93–102. DOI: 10.21685/2307-5538-2021-3-11	11	Бекбай А.Т., Бодин О.Н., Туякбаев А.А.
97	Подсистема связи системы управления беспилотных воздушных судов в условиях чрезвычайных ситуаций	Printed	Измерение. Мониторинг. Управление. Контроль. – 2022. – № 1 (39). – С. 92–99. DOI: 10.21685/2307-5538-2022-1-11	8	Баянбай Н., Шерстнев В.В., Безбородова О.Е., Бодин О.Н.
98	Скрининговая кардиодиагностическая информационная система на основе современны	Printed	ФГБОУ ВО «Пензенский государственный университет» №2 (42) 63–74 2022	12	Сатыбалдиева Ф.А., Бодин О.Н., Едемский М.В., Крамм М.Н., Бодин А.Ю.
99	Machine learning-based classification of local muscle fatigue using electromyography signals for enhanced rehabilitation outcomes	Electronic	International Journal of Electrical & Computer Engineering (IJECE), Vol. 15, No. 6, 5954–5967 DOI: 10.11591/ijece.v15i6.pp5954-5967.	14	Baigarayeva Zh., Boltaboyeva A., Imanbek B., Karymssakova N., Beisembekova R.

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International scientific and practical conferences					
100	Стабилизация динамических характеристик в системе следящих приводов	Printed	Материалы Международной научно-технической конференции «Автоматический контроль и автоматизация производственных процессов», Минск, 17–18 мая 2012 г. – Мн.: БГТУ, 2012. – 372 с.	1	Тулешов А.К.,
101	Применение адаптивного параметрического регулятора по положению к изменяющейся нагрузке при управлении электроприводом	Printed	Фундаментальные и прикладные проблемы науки. Труды VII международного симпозиума. – М.: РАН, 2012.	-	Тулешов А.К.,
102	Проектирование адаптивно управляемых электроприводов	Printed	Материалы III Международной научно-практической конференции «Информатизация общества». Астана, 28–30 июня 2012 г. — Астана: ЕНУ им. Л. Н. Гумилёва, 2012. — С. 487–489.	3	-
103	Имитационное моделирование адаптивно управляемых электроприводов	Printed	«Теория моделей и алгебра»: Материалы Международной научной конференции, посвящённой памяти и 70-летию д.ф.-м.н., профессора Т.Г. Мустафина. — Караганда, 2012. — С. 100–101.	2	-

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104	Investigation of dynamical peculiarities of manipulator on the basis of close circuit mechanism	Printed	Advanced Materials Research. – 2013. – Vol. 705. – Proceedings of the 2013 International Conference on MEMS and Mechanics (MEMSM 2013) – P. 386–389.	4	Tuleshov, K. Amandyk; Ozhikenov, A. Kassymbek; Ozhiken, K. Assylbek
105	Modeling the dynamics of robot motor drive control system	Printed	Applied Mechanics and Materials. – 2014. – Vol. 467. – Proceedings of the 2013 International Conference on Materials Science and Mechanical Engineering (ICMSME 2013)	6	Tuleshov A., Ozhikenov K., Utebayev R., Tuleshov E.
106	Improvement of Manipulating Robot Servo Drives' Control System	Electronic	23rd International Conference on Robotics in Alpe-Adria-Danube Region, IEEE RAAD 2014 - Conference Proceedings. 2015, 7002235 (International Journal of Mechanics and Control. Volume 67, 2014) DOI: <a href="https://doi.org/10.1109/RAAD.2014.7002235">10.1109/RAAD.2014.7002235</a>	5	Utebayev R., Tuleshov E., Tuleshova A.
107	Применение современной информационной технологии при разработке и проектировании снаряда каротажной станции	Printed	Труды Международного форума «Инженерное образование и наука в XXI веке: Проблемы и перспективы», посвященной 80-летию КазНТУ имени К.И. Сатпаева. – Т.2. – Алматы, 22–24 октября 2014 г. – С. 304–308.	5	Утебаев Р.М., Нурпеисова Д.А., Колтун Н.А., Өжікен А.Қ.
108	Оттегі станциясындағы адсорбциялық бағанындағы қысымды басқару блогы	Printed	«Қазақстанның жаңа экономикалық саясатын таратуда жас ғалымдардың	6	Саутова А.Х.

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109	Modelling the Mobile Logging Station and the Drive Control of Sensor Withdrawable	Printed	Proceedings of 2015 International Conference on Informatics, Control and Automation (ICA 2015). 2015.	-	Tuleshov A., Utebayev R., Tuleshov E., Ozhiken A.
110	Simulation of the Control System Withdrawable Sensor Logging Stations	Printed	Совместный выпуск по материалам международной научной конференции «Вычислительные технологии в науке, технике и образовании» (CITech-2015), 24–27 сентября 2015 г. — Вычислительные технологии, т. 20; Вестник КазНУ, №3(86), ч. IV. — С. 178–188.	11	Utebaev R.M., Ismagulova R.S., Ozhiken A.K., Aitzhanova G.D.
111	Разработка методов неразрушающего контроля и диагностики чувствительных элементов и измерительных модулей датчиков	Printed	Труды II Международной научно-практической конференции «Информационные и телекоммуникационные технологии: образование, наука, практика». — Алматы, Казахстан, 3–4 декабря 2015 г. — Т. II. — С. 258–262.	5	Михайлов П.Г., Айтимов М.Ж.

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112	Исследование помехоустойчивости электрокардиосигнала с помощью MATLAB	Printed	Труды II Международной научно-практической конференции «Информационные и телекоммуникационные технологии: образование, наука, практика». — Алматы, Казахстан, 3–4 декабря 2015 г. — Т. II. — С. 468–472.	5	Попов А.М., Алтай Е.А.
113	Анализ и синтез алгоритмов первичной обработки и передачи кардиосигналов	Printed	Труды II Международных Сатпаевских чтений «Роль и место молодых ученых в реализации новой экономической политики Казахстана». — Алматы, 12–13 апреля 2016 г. — Т. II. — С. 87–91.	5	Алтай Е.А., Қыздарбекова А.С.
114	Идентификация гармонического сигнала кардиоцикла с помощью банк фильтров	Printed	Труды II Международных Сатпаевских чтений «Роль и место молодых ученых в реализации новой экономической политики Казахстана». — Алматы, 12–13 апреля 2016 г. — Т. II. — С. 92–95.	4	Д.Н. Койшыбаев, Е.А. Алтай
115	Субъектінің белсенді еркін қозғалу жағдайындағы кардиосигналдардың өзгерістігін зерттеу	Printed	Труды II Международных Сатпаевских чтений «Роль и место молодых ученых в реализации новой экономической политики Казахстана». — Алматы, 12–13 апреля 2016 г. — Т. II. — С. 100–104.	5	Қасымбекова Қ.Б., Алтай Е.А.
116	Измерение высоты на воздушных судах	Printed	Труды II Международных Сатпаевских чтений «Роль и место молодых ученых в	7	Туякбаев А.А., Байбатырова А.С.

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			реализации новой экономической политики Казахстана». — Алматы, 12–13 апреля 2016 г. — Т. II. — С. 126–132.		
117	Измерение уровня раздела двух жидких сред	Printed	Труды II Международных Сатпаевских чтений «Роль и место молодых ученых в реализации новой экономической политики Казахстана». — Алматы, 12–13 апреля 2016 г. — Т. II. — С. 96–100.	5	Туякбаев А.А., Нурболулы А.
118	Измерение высоты на летательных аппаратах	Printed	Труды II Международных Сатпаевских чтений «Роль и место молодых ученых в реализации новой экономической политики Казахстана». — Алматы, 12–13 апреля 2016 г. — Т. II. — С. 132–138.	7	Туякбаев А.А., Байбатырова А.С., Сәмен Н.Ж.
119	Инженерные модели компонентов датчиков физических величин	Printed	Труды XII Международной научно-практической интернет-конференции «Молодежь. Наука. Инновации». — Пенза, 2016. — С. 191–196.	6	П.Г. Михайлов, М.Ж. Айтимов, А.В. Соколов, Д.А. Сергеев, В.В. Скотников, Л.А. Маринина, А.У. Аналиева, Г. Машир
120	Распределенная кардиосистема	Printed	Сборник тезисов XII Международного конгресса «Кардиостим». — Санкт-Петербург, 18–20 февраля 2016 г. —	1	Сергеенков А.С., Бодин О.Н., Алтай Е.А.

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			Вестник Аритмологии. — IF РИНЦ=0,448. — С. 222.		
121	Повышение эффективности оказания экстренной медицинской помощи	Printed	Сборник тезисов XII Международного конгресса «Кардиостим». — Санкт-Петербург, 18–20 февраля 2016 г. — Вестник Аритмологии. — IF РИНЦ=0,448. — С. 240.	1	Алтай Е.А.
122	Анализ и обработка сигналов электрокардиограммы	Printed	Сборник тезисов V Всероссийского конгресса молодых ученых. — Санкт-Петербург, 12–15 апреля 2016 г. С. 39.	1	Алтай Е.А., Койшыбаев Д.Н.
123	Новые подходы компьютерного управления и обработки информации каротажной станции	Printed	XXI ғасырдағы геологиялық барлау және мұнай-газ ісі: Технология, ғылым, білім. Халықаралық ғылыми-тәжірибелік конференциясының ғылыми еңбектер жинағы. 9-12.11.16. Алматы, 2016. С. 164-170.	7	Тулешов А.К., Тулешов Е.А.
124	Применение искусственных нейронных сетей для распознавания речевых команд	Printed	Материалы Международной научно-технической конференции «Шляндинские чтения - 2016». Методы, средства и технологии получения и обработки измерительной информации. Пенза, 25-27 октября 2016. С. 112-115.	4	Козлов В.В., Пижонков Я.А.,
125	Color Sensors for Determining the Moment of Loss Coaxiality of a Helicopter Rotor	Printed	III International Conference “Industrial, Technologies and Engineering” ICITE-	4	Tuyakbaev A.A., Tuleshov E.A.,

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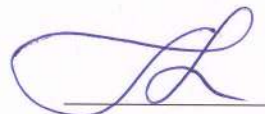
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			2016. Issue II. October 28-29. 2016. M.Auezov South Kazakhstan State University. Shymkent. Kazakhstan. C. 44- 47.		Altynbekova A.N., Kushegenova Zh.K.
126	Development of Technologies, Methods and Devices of the Functional Diagnostics of Microelectronic Sensors Parts and Components	Electronic	13th International Scientific-Technical Conference on Actual Problems of Electronic Instrument Engineering (APEIE). 2016 - Proceedings 1,7802218 (Scopus, Web of Science, Clarivate Analytics). C. 84-90.	7	Mikhailov P.G., Ismagulova R.S., Azamatova B.N., Azamatov Zh.K.
127	Information and Probability Approach to the Evaluation of Dynamic Heart System	Electronic	18th International Conference of Young Specialists Don Micro/Nanotechnologies and Electron Devices. Erlagol. Altai Republic. 29 June-3 July. 2017. (Scopus, Web of Science, Clarivate Analytics). C. 601-605.	5	Oleg N. Bodin, Vitalij G. Polosin, Anatoly G. Ubiennyh, Dmitriy A. Arzhaev, Andrej Ju. Bodin
128	Pre-processing Voice Signals for Voice Recognition Systems	Electronic	18th International Conference of Young Specialists on Micro/Nanotechnologies and Electron Devices. Erlagol. Altai Republic. 29 June-3 July. 2017. (Scopus, Web of Science, Clarivate Analytics). C. 242-246.	5	G.K. Berdibaeva, O. N. Bodin, Valery V. Kozlov, Dmitry I. Nefed'ev, Yaroslav A. Pizhonkov
129	Portable Cardioanalyzer	Electronic	18th International Conference of Young Specialists on Micro/Nanotechnologies and Electron Devices. Erlagol. Altai Republic.	6	Oleg N. Bodin, Maksim I. Safronov, Arystambek K.

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			29 June-3 July. 2017. (Scopus, Web of Science, Clarivate Analytics). С. 605-610.		Zhumagulov, Vitalij G. Polosin, Anatolij G. Ubiennyh
130	Distributed Computer Diagnostic System KardioVid on the Base of the Multi-Agent Technologies	Electronic	18th International Conference of Young Specialists on Micro/Nanotechnologies and Electron Devices. Erlagol. Altai Republic. 29 June-3 July. 2017. (Scopus, Web of Science, Clarivate Analytics). С. 610-613.	4	Oleg N. Bodin, Anatoliy G. Ubiennykh, Anton S. Sergeenkov, Svetlana A. Balakhonova, Fagim K. Rakhmatullof,
131	Разработка математической модели адаптивного управления роботом манипулятора	Printed	Труды Международных Сатпаевских чтений «Научное наследие Шахмардана Есенова». 2017. С. 626–629.	4	П. М. Рахметова, А.К. Ожикен
132	Математическое моделирование динамики беспилотного летательного аппарата	Printed	Труды Международных Сатпаевских чтений «Научное наследие Шахмардана Есенова». 2017. С. 629–633.	5	П.М. Рахметова, А.К. Ожикен
133	Исследование возможности построения электронной системы для измерения температуры обмоток статора турбогенераторов	Printed	Труды Сатпаевских чтений «Инновационные решения традиционных проблем: Инженерия и технологии». 2018. Стр. 638–641.	4	Туякбаев А.А., Куандыков М.Г., Есжанов О.Н.
134	Use of network technologies for the improvement of the non-invasive cardio diagnostics system	Electronic	Moscow Workshop on Electronic and Networking Technologies, MWENT 2018 - Volume 2018-March, 12 April 2018, (Scopus). С. 1-6.	6	Bodin, O.N., Kramm, M.N., Lomtev, E.A., Polosin, V.G., Rakhmatullof, F.K.

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135	The Forming Processes of Local Removal of Semiconductor Materials in Micromechanical Devices Manufacturing Technologies	Electronic	International Journal of Mechanical Engineering and Technology (IJMET). Volume 9, Issue 10, October 2018, (Scopus). C. 1356–1367.	12	P. Mikhailov, A. Kabdoldina, Zh. Ualiyev
136	Development of the structure of a multicomponent filter based on the principle of adaptive aggregation of filters	Electronic	IEEE 12th International Conference on Application of Information and Communication Technologies, AICT 2018 – Proceedings. (Scopus, Web of Science, Clarivate Analytics). C. 330-335.	6	Alimbayev C.A., Bodin O.N., Mukazhanov E.B., Alimbayeva Z.N.
137	Reconstruction of Equivalent Electric Heart Generator	Electronic	2019 International Seminar on Electron Devices Design and Production, SED 2019 – Proceedings, (Scopus).	5	Kenzhaliyev B.K., Ozhikenova A.K., Bodin O.N., Kramm M.N., Rahmatullov F.K.
138	Improving the Interference Tolerant Noise Immunity of Ambulatory Telemetry ECG Diagnostics Systems	Electronic	2019 International Seminar on Electron Devices Design and Production, SED 2019 – Proceedings, (Scopus).	6	Kenzhaliyev B., Ozhikenova A.K., Bodin O.N., Krivonogov L., Papshev D.
139	System of Non-Invasive Electrocardiac Diagnostics	Electronic	20th International Conference of Young Specialists on Micro/Nanotechnologies and Electron Devices, EDM-2019, Erlagol, Altai Republic; Russian Federation. 2019.	4	Alimbaev, C.A., Bodin, O.N., Kramm, M.N., Rakhmatullov, F.K., Mukazhanov, Y.B.

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			June. (Scopus, Web of Science, Clarivate Analytics). С. 622-625.		
140	The Use of Unmanned Aerial Vehicle for Emergency Medical Assistance	Electronic	20th International Conference of Young Specialists on Micro/Nanotechnologies and Electron Devices, EDM-2019, Erlagol, Altai Republic; Russian Federation. 2019. June. (Scopus, Web of Science, Clarivate Analytics). С. 597-600.	4	Bayanbay, N.A., Beisembetov, I.K., Bezborodova, O.E., Bodin, O.N., Polosin, V.G.
141	Neural Network Analysis of Electrocardiogram Signal	Electronic	20th International Conference of Young Specialists on Micro/Nanotechnologies and Electron Devices, EDM-2019, Erlagol, Altai Republic; Russian Federation. 2019. June. (Scopus, Web of Science, Clarivate Analytics). С. 606-611.	6	Alimbayeva, Z.N., Ozhikenova, A.K., Bodin, O.N., Gerasimov, A.I., Mukazhanov, Y.B.
142	Heart State Monitoring Using Multi-Agent Technology	Electronic	2019 8th Mediterranean Conference on Embedded Computing, MECO 2019. – Proceedings, (Scopus, Web of Science, Clarivate Analytics).	4	Bekbay, A., Ozhikenova, A., Bodin, O.N., Bezborodova, O., Rakhmatullof, F.
143	Организация компьютерной системы для диагностики инфаркта миокарда	Printed	Материалы Международной научно-технической конференции «Шляндинские чтения - 2019». Методы, средства и технологии получения и	5	Алимбаев Ч.А., Алимбаева Ж.А., Баянбай Н.А., Бодин О.Н.

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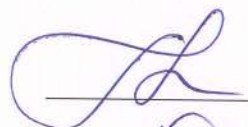
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			обработки измерительной информации. Пенза, 28-30 октября 2019 г. С: 262-266.		
144	Application of neural networks for processing and cardio signal analysis	Printed	Неделя науки СПбПУ. Материалы научной конференции с международным участием 18-23 ноября 2019 года. Институт компьютерных наук и технологий. С. 105-108.	4	Zh. Alimbayeva, Ch. Alimbayev, N. Bayanbay, K. Ozhiken
145	Development of a portable cardio analyzer (PCA)	Printed	Неделя науки СПбПУ. Материалы научной конференции с международным участием 18–23 ноября 2019 года. Институт биомедицинских систем и биотехнологий. Часть 2. Высшая школа биомедицинских систем и технологий. С. 3-5.	3	Ch. Alimbayev, Zh. Alimbayeva, N. Bayanbay, O. Bodin
146	Peculiarities of equipping an unmanned medical aerial vehicle during search and rescue operations	Electronic	International Conference of Young Specialists on Micro/Nanotechnologies and Electron Devices, EDM. 2020, June, (Scopus, Web of Science, Clarivate Analytics). С. 464-469, 9153525.	6	Bayanbay, N.A., Tuleshov, Y.A., Bodin, O.N., Spirkin, A.N.
147	A bionic approach to the construction of a voice control system in emergency conditions	Electronic	International Conference of Young Specialists on Micro/Nanotechnologies and Electron Devices, EDM. 2020, June, (Scopus, Web of Science, Clarivate Analytics). С. 440-444, 9153542.	5	Berdibaeva, G.K., Bodin, O.N., Bezborodova, O.E., Nurlan, B.,

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148	Разработка метода интеллектуальной обработки электрокардосигнала для предварительной диагностики инфаркта миокарда	Electronic	Методы, средства и технологии получения и обработки измерительной информации («Шляндинские чтения – 2020»): материалы XII Международной научно-технической конференции. – Пенза, 2020. – С. 358–361.	4	Алимбаева Ж.Н., Алимбаев Ч.А., Баянбай Н.А., Бодин О.Н.
149	Formation of an Optical Measuring Channel for Sensor Systems of Robotic Complexes in the Power Industry	Electronic	Proceedings - ICOECS 2021: 2021 International Conference on Electrotechnical Complexes and Systems, 2021, (Scopus). С. 395–399.	5	Mukhamadiev A.A., Ozhikenov A.K., Yasoveev K.V.
150	Design and modeling of self-sustainable bathroom floor cleaning robot system	Electronic	International Conference on Control, Automation and Systems, 2021, October, (Scopus). С. 1860–1865.	6	Yeshmukhameto A., Baratova, A., Salemkhan, A., Buribayev Z., Amirgaliyev, Y.
151	Аппарат искусственной вентиляции легких	Electronic	Metody, sredstva i tekhnologii polucheniya i obrabotki izmeritel'noy informatsii (Shlyandinskie chteniya–2022), XV International Scientific and Technical Conference Пенза, Ресей, 156–158	3	Moldash B. T., Shylmyrza U. Zh., Alimbayeva Zh. N., Alimbayev Ch. A., Ozhikenov K. A.
152	Using The Machine Learning Method in Portable ECG Monitoring System to Identify Diagnostically Complex Heart Diseases	Electronic	International Conference of Young Specialists on Micro/Nanotechnologies and Electron Devices, EDM, (Scopus). 2023, June. С. 1270–1275.	6	Yerkebay, A.K., Alimbayeva, Z.N., Alimbayev, C.A., Bayanbay, N.A.,

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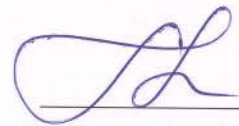
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153	Structural Design of a Rehabilitation Robot for the Upper Limb	Electronic	AIP Conference Proceedings. Vol. 3063, Issue 121, 2024. 2nd International Conference on Electronics, Engineering Physics, and Earth Science, EEPES 2023 (Scopus).	-	D. Bizhanov, N. Zhetenbayev, G. Balbayev, S. Kuzembay, S. Yussupova
154	Design and Performance of a Motion Assisting Device for Elbow Joint	Electronic	Mechanisms and Machine Science, 2024, 167 MMS. C. 152–159.	8	Dauren B., Nursultan Z., Ceccarelli M., Balbayev G.,.
155	Design and Operation Requirements for a Foot and Ankle Prosthesis	Electronic	CIEES 2024 - IEEE International Conference on Communications, Information, Electronic and Energy Systems. 5th IEEE International Conference, CIEES 2024 Hybrid, Veliko Tarnovo, 20–22 November 2024.	5	Uzbekbayev A., Zhetenbayev N., Sultan A., Iliev T., Sergazin G.
156	Intelligent Greenhouse Microclimate Control System Based on Morphological Analysis of Plants Using Machine Learning and IoT	Electronic	Proceedings of the International Conference on AI and Robotics (AIR 2025), Lecture Notes in Networks and Systems, Vol. 1629, Springer, pp. 458–469, 2025.DOI: <a href="https://doi.org/10.1007/978-3-032-05548-4_36">https://doi.org/10.1007/978-3-032-05548-4_36</a>	12	Ch. Alimbayev, Zh. Alimbayeva, S. Sydykanov
157	An Intelligent System for Automated Monitoring and Control of Patient Conditions	Electronic	Proceedings of the International Conference on AI and Robotics (AIR 2025), Lecture Notes in Networks and Systems (LNNS), vol. 1628, 2025	11	Mukano, M., Alimbayev, C., Alimbayeva, Z.,

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					Ozhikenov, K., Nazarova, E.
158	Assessment of the Impact of Air Quality on Rehabilitation Effectiveness Using an IoMT-Based HRV Monitoring System	Electronic	Interdisciplinary Conference on Electrics and Computer, INTCEC 2025 - Conference Proceedings. – IEEE, 2025.	6	Baigarayeva Zh., Imanbek B., Boltaboyeva A., Ozhikenov K., Ozhikeno9v A.
159	Engineering an Active Ankle-Foot Prosthesis: Conceptual Design for Enhanced Walking Dynamic	Electronic	Proceedings of the I4SDG Workshop 2025 – IFToMM for Sustainable Development Goals, Mechanisms and Machine Science, Springer, Vol. 180, pp. 177–188, 2025. DOI: <a href="https://doi.org/10.1007/978-3-031-91179-8_19">https://doi.org/10.1007/978-3-031-91179-8_19</a>	12	S. Akhmejanov, N. Zhetenbayev, A. Sultan, G. Sergazin
160	Analysis of the Lower Limb Prosthesis Market and a Research of Advanced Prosthetic Methods	Electronic	Proceedings of MESROB 2025 – International Workshop on Medical and Service Robots, Springer, DOI: <a href="https://doi.org/10.1007/978-3-031-96081-9_19">10.1007/978-3-031-96081-9_19</a>	15	A. Sultan, N. Zhetenbayev, Y. Nurgizat, G. Sergazin
161	Foot and Ankle Prosthetics Using Artificial Intelligence: Innovative Developments and Conceptual Solutions	Electronic	Proceedings of MESROB 2025 – International Workshop on Medical and Service Robots, Mechanisms and Machine Science, Vol. 186, Springer, 2025. pp. 218–228. DOI: <a href="https://doi.org/10.1007/978-3-031-96081-9_22">https://doi.org/10.1007/978-3-031-96081-9_22</a>	11	S. Akhmejanov, N. Zhetenbayev, A. Sultan, G. Sergazin

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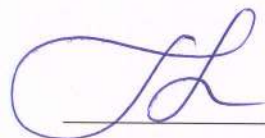
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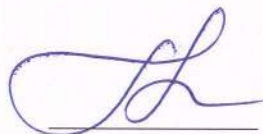
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