

**List of scientific papers in international peer-reviewed scientific journals,  
 included in Scopus and Web of Science databases  
 Azat Seitkhan**

Author IDs:

Scopus Author ID: **55448049300**

Web of Science Researcher ID: **A-8633-2015**

ORCID: **0000-0002-9705-7438**

№	Publication title	Type of publication	Journal name, year of publication, DOI	Journal impact factor, quartile and field of study according to Journal Citation Reports for year of publication	Index in the Web of Science Collection database	Journal CiteScore, percentile and field of study according to Scopus data year of publication	Full name authors (underline applicant)	Role of the Challenger

«10» December 2024

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S. Azat

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MINISTRY OF SCIENCE AND HIGHER EDUCATION OF THE REPUBLIC OF KAZAKHSTAN  
KAZAKH NATIONAL RESEARCH TECHNICAL UNIVERSITY NAMED AFTER K.I.SATPAEV

1	Obtaining and characterization of amorphous silica from rice husk	Article	Journal of Chemical Technology and Metallurgy, 2020. ISSN 13147471	-	-	CiteScore 1,2, General Chemical Engineering - 32%	K. Askaruly S. Azat Z. Sartova M. Yeleuov A. Kerimkulova K. Bekseitova	Co-author
2	Synthesis of biosourced silica-Ag nanocomposites and amalgamation reaction with mercury in aqueous solutions	Article	Comptes Rendus Chimie. 2020. DOI 10.5802/erchim.19	JIF 3.117 Chemistry, multidisciplinary - Q2	SCIE	CiteScore 4,5, General Chemistry - 74%	S. Azat I. Arkhangelsky I. Papathanasiou A. A. Forpas A. Abirov	First author and author correspondent
3	A mini-review on coal fly ash properties, utilization and synthesis of zeolites	Article	International Journal of Coal Preparation and Utilization. 2020 DOI 10.1080/19392699.2020.1788545	JIF 2.697	SCIE	CiteScore 2,5, General Chemical Engineering - 51%	Zh. Tauanov S. Azat A. Baibatayev	Co-author
4	Removal of $Cd^{2+}$ from water by use of super-macroporous cryogels and comparison to commercial adsorbents	Article	Polymers. V 12, 1 10, 2020, DOI 10.3390/polym12102405	-	-	CiteScore 4.7 General Chemistry- 73%	Baimenov A Berillo D Azat S Nurgozhin T Inglezakis Vassilis.	Co-author

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5	Influence of Metal Oxide Particles on Bandgap of 1D Photocatalysts Based on SrTiO <sub>3</sub> /PAN Fibers	Article	Nanomaterials, 2020, DOI-10.3390/nano10091734		SCIE	CiteScore 5.4, General Chemical Engineering-79%	F. Sultanov Ch. Daulbayev S. Azat K. Kuterbekov B. Bakbolat M. Bigaj Z. Mansurov	Author correspondent
6	Bio-waste-derived few-layered graphene/STiO <sub>3</sub> /PAN as efficient photocatalytic system for water splitting	Article	Applied Surface Science, 2021, DOI 10.1016/j-apsuse.2021.149176	-	-	CiteScore 5.4 General Materials Science -74%	Daulbayev Chingis Sultanov I Korobemnyk A.V Yelenov Mukhtar Azat Serikhan Bakbolat Baglan, Umirzakov Arman Mansurov Zulkhair	Co-author
7	DiMIZA: A dispersion modeling based impact zone assessment of mercury (Hg) emissions from coal-fired power plants and risk evaluation for inhalation exposure Другие статьи	Article	Engineering Reports, 2021. DOI 10.1002/eng2.12357	-	ESCI	(2022) CiteScore 4.0. General Engineering 71%	Karaca F Kumisbek A Inglezakis V. J <u>Azat S</u> Zhakiyenova Ormanova G Guney M.	Co-author

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8	Functionalization of biosourced silica and surface reactions with mercury in aqueous solutions	Article	Chemical Engineering Journal, 2021, DOI 10.1016/j.ccej.2021.129745	JIF 16.744 Engineering, chemical – Q1	SCIE	CiteScore 19.4, Environmental Chemistry - 98%	A. Inglezakis S. Azat J. Vassilis Zh. Tauranov S. V. Mikhailovsky M. Beisenbayeva	Co-author
9	Soybean productivity as influenced by irrigation regime and fertilizer rates in the South Kazakhstan conditions	Article	Research on Crops, 2021, DOI 10.31830/2348-7542.2021.100	-	-	CiteScore 1.7, Agronomy and Crop Science-45%	D. Sadyk A. Zhapparova S. Kaldybayev S. Azat Zh. Tauranov V.	Co-author
10	Partial hydrogenation of sunflower oil on platinum catalysts: Influence of process conditions on the mass content of geometric isomers	Article	Molecular Catalysis, 2021, DOI 10.1016/j.mcat.2021.111819	JIF 5.089 Chemistry, physical -Q2	SCIE	CiteScore 6.7, Physical and Theoretical Chemistry - 79%	K. Toshtay, A. Auyezov, Zh. Korkembay, S. Toktassynov, S. Azat A. Nurakyshev	Co-author
11	Review on coal fly ash generation and utilization for resolving mercury contamination issues in Central Asia:	Article	Environmental Reviews, 2022, DOI 0.1139/er-2021-0035	JIF 5.6 Environmental sciences – Q2	SCIE	CiteScore 9.8 General Environmental Science-88	A. Satayeva A. Baimenov S. Azat U. Zhantikejev A. Seisenova	Co-author

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	Kazakhstan						Zh.Tauanov	
12	Activated Carbon/Pectin Composite Entero sorbent for Human Protection from Intoxication with Xenobiotics Pb(II) and Sodium Diclofenac	Article	Molecules, 2022, DOI 10.3390/molecules27072296	JIF 4.6 Chemistry, multidisciplinary - Q2	SCIE	CiteScore 6.7, Chemistry -78%	J. Jandosov M. Alavijeh Sh. Sultanhan A. Baimenov M. Bernardo Z. Sakipova S. Azat S. Lyubchik N. Zhylybaeva G. Nauryzbayeva Z. Mansurov S. Mikhailovsy	Co-author
13	Comparative Study of Physicochemical Characteristics and Catalytic Activity of Copper Oxide over Synthetic Silicon Oxide and Silicon Oxide from Rice Husk in Non-Oxidative Dehydrogenation of Ethanol	Article	Chem Engineering, 2022, DOI 10.3390/chemengineering6050074	JIF 2.5	ESCI	CiteScore 1.7 General Engineering-77%	M. Mambetova G. Yergazyieva K. Dossumov K. Askaruly S. Azat K. Bexeitova M. Anissova B. Baizhomartova	Co-author
14	Modified Carbon Sorbents Based on	Article	Journal of Engineering Physics	-	-	CiteScore 1.2,	Z.A. Mansurov L.F. Velasco	Author correspondent

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	Walnut Shell for Sorption of Toxic Gases		and Thermophysics, 2022. DOI 10.1007/1 0891-022-02607-7			General Engineering-30%	P. Lodewyckx E.O. Doszhanov S.Azat	
15	A facile synthesis of graphite-coated amorphous SiO <sub>2</sub> from biosources as anode material for libs	Article	Materials Today Communications, 2023 , DOI 10.1016/j.mtcomm.2022.105136	JIF 3.7 Materials science, multidisciplinary Q2	SCIE	CiteScore 5.2, Mechanics of Materials - 69%	K. Askaruly M. Yeleuov A. Taurbekov B. Sarsembayeva A. Tolynbekov N. Zhylybayeva A. Abdisattar S. Azat Ch.Daulbayev	Co-author
16	The electrochemical behavior of silica and activated carbon materials derived from the rice husk waste for li-ion cells	Article	Diamond and Related Materials, 2023, DOI 10.1016/j.diamond.2023.109759	JIF 4.3	SCIE	CiteScore 6.0, Electrical and Electronic Engineering - 74%	K. Askaruly A. Korobeinyk S. Azat M. Yeleuov A. Taurbekov K. Toshtay Zh. Tauanov Su .Xintai.	Co author
17	Review of Slow Sand Filtration for Raw Water Treatment with Potential	Article	Water (Switzerland), 2023, DOI 10.3390/w15112007	JIF 3.0	SCIE	CiteScore 5.8, Water Science and Technology-76%	K. Abdiyev S. Azat	Author correspondent

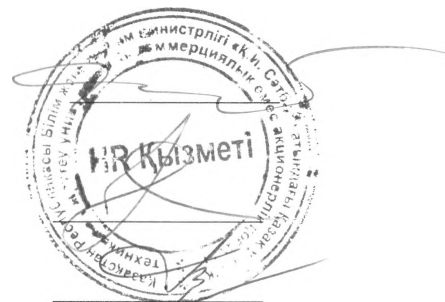
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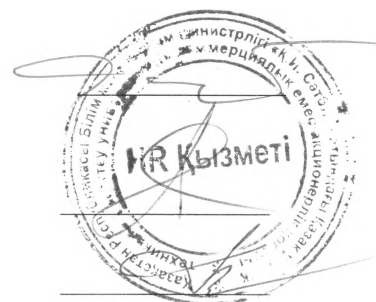
	Application in Less-Developed Countries			Water resources – Q2			S. Kabdrakhmanov K. Berndtsson B. Khalkhabai A. Kabdrakhmanov Sh. Sultankhan	
18	Palladium-Nickel Supported and Palladated Activated Diatomite as Efficient Catalyst for Poly- $\alpha$ -olefins Hydrogenation	Article	Catalysis Surveys from Asia, 2023, DOI 10.1007/1 0563-023-09394-y			CiteScore 4.8 General Chemistry-62%	Todhtay K Auyezov A Aubakitov Y Amrousse R Azat S Sailaukhanuly Y Nakan U	Co-author
19	Fusion-Assisted Hydrothermal Synthesis of Technogenic-Waste-Derived Zeolites and Nanocomposites: Synthesis, Characterization, and Mercury (II) Adsorption	Article	International Journal of Molecular Sciences, 2023. DOI 10.3390/ijms241411317.	JIF 4.9 Chemistry, multidisciplinary – Q2	SCIE	CiteScore 8.1 Inorganic Chemistry - 90%	M. Suleimenova S. Zharylkan M. Mekenova A. Mutushev S. Azat A. Tolepova A. Baimenov A. Satayeva Zh. Tauanov	Author correspondent

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20	Modifying Natural Zeolites to Improve Heavy Metal Adsorption	Article	Water (Switzerland), 2023. DOI 10.3390/w15122215	JIF 3.0 Water resources – Q2	SCIE	CiteScore 5.8, Water Science and Technology-76%	Kuldeyev E., Seitzhanova M., Tanirbergenova S., Tazhu K., Doszhanov E., Mansurov Z., Azat Seitkhan Nurlybaev R., Berndtsson R.	Author correspondent
21	Carbon nanotube iridium-cupric oxide supported catalytic for decomposition of ammonium dinitramide in the liquid phase	Article	International Journal of Energetic Materials and Chemical Propulsion, 2023. DOI 10.1615/IntJEnergeticMaterialsChemProp.2023047555	JIF 0.5 Materials science multidisciplinary – Q4	ESCI	CiteScore 1.2, General Materials Science-100%	Z. Harimech Y. Hairch M. Atamanov K. Toshtay S. Azat N. Souhair R. Amrousse	Co-author
22	Thermal Decomposition of Ammonium Dinitramide (ADN) as Green Energy Source for Space Propulsion	Article	Aerospace, 2023, <a href="https://doi.org/10.3390/aerospace10100832">https://doi.org/10.3390/aerospace10100832</a>	JIF 2.1 Engineering, aerospace – Q2	SCIE	CiteScore 3.4, Aerospace Engineering-61%	Z. Harimech K. Toshtay M. Atamanov S. Azat R. Amrousse	Co-author

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23	Development of A Highly Effective Premix Based on Local Plant Raw Materials to Stimulate Growth and Development of Growing Calves	Article	Engineered Science, 2023 DOI 10.30919/es994	-	-	CiteScore 14.9, General Engineering - 96%	S. Azat A. Mutushev G. Yeszhanova A. Tuleibayeva K. Zhumakhan A. Nuraly	Author correspondent
24	Dual-mode sensing platform for Bisphenol A detection via bifunctional CsPbBr <sub>3</sub> /Cu-MOF assisted fluorescence and colorimetric analysis	Article	Analytica Chimica Acta, 2024, 0 DOI 10.1016/j.aca.2024.342254	(2023) JIF 5.7 Chemistry, analytical – Q1	(2023) SCIE	(2023) CiteScore 10.4 Spectroscopy-94%	Ma Junyi Shen Ying-zhu Gong Jianxiao Azat S. Ji Zheng Ping Hu Xiao-Ya Xu Qin	Co-author
25	Novel self-powered sandwich type Aptamer sensor for estrogen detection assisted with peroxidase mimic Cu-MOF	Article	Food Chemistry, 2024 DOI 10.1016/j.foodchem.2024.140780	(2023) JIF 8.5 Chemistry, applied – Q1	(2023) SCIE	(2023) CiteScore 16.3, Analytical Chemistry-98%	K. Ning Zh. Wang H. Qin M. Ahmed S. Azat X. Hu Xu Qin Yang Dandan	Co-author
26	Microplastics in freshwater systems: A review of classification,	Article	Chemical Engineering Journal Advances, 2024	(2023) JIF 5.5	(2023) ESCI	(2023) CiteScore 8.3,	Bexeitova K Baimenov A Varol E.A	Co-author

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	sources, and environmental impacts		DOI 10.1016/j.ceja.2024.100649	Engineering, chemical -Q1		General Chemical Engineering-83%	Kudaibergenov K Zhamtikeyev U Saulaukhanuly Y Toshtay K Tauanov Z Azat S. Berndtsson R	
27	Utilizing rice husk-derived Si/C composites to enhance energy capacity and cycle sustainability of lithium-ion batteries	Article	Diamond and Related Materials. 2024. DOI 10.1016/j.diamond.2024.111631	(2023) JIF 4.3 Materials science, coatings & films - Q2	(2023) SCIE	(2023) CiteScore 6.0, Materials Chemistry-71%	Askaruly Kydyr Idrissov Nurlan Abdisattar Alisher Azat Seitkhan Kuli Zhanserik Yeleuov Mukhtar Molehik Evodor Daulbayev Chingis Yszhan Yelriza Sarsembayeva Bibigul Nysanbayeva, Saltanat	Co-author
28	Pathogen Contamination of Groundwater Affecting Drinking Water Quality with Potential Health Effects in	Article	Water (Switzerland), 2024, DOI 10.3390/w16202970	(2023) JIF 3.0 Water resources - Q2	(2023) SCIE	(2023) CiteScore 5.8, Water Science and Technology-76%	<u>Azat Seitkhan</u> Kuldeyev Erzhan Khalkhabay Bostandyk	First author

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	Pavlodar Region, Kazakhstan						Baikadamova Ainur Sultakhan Shynggyskhan Berndtsson Ronny	
29	Evaluating Microplastic Detection Techniques in Human-Impacted Water Systems: A Mini-Review	Article	ES Energy and Environment, Tom 25, 2024, DOI 10.30919/eseec1233	-	-	(2023) CiteScore 10.7, Environmental Engineering-89%	Bexseitova Kalampyr Zhantikeyev Ulan Yeszhan Yelriza Sapargali Inabat Kudaibergenov Kenes Toshtay Kainaubek Mikhailovsky Sergey Amrousse Rachid Berndtsson Ronny Azat Seitkhan.	Author correspondent
30	The State of the Art of the Mining and Metallurgical Industry in Kazakhstan and Future	Article	ES Materials and Manufacturing, 2024, DOI 10.30919/esmm1219	-	-	(2023) CiteScore 14.4, Ceramics and Composites-91%	Kunarbekova Makhabbat Yeszhan Yelriza Zharylkan Saule	Author correspondent

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	Perspectives: A Systematic Review						Alipuly Mukhtar Zhantikejev Ulan Beisebayeva Aigul Kudaibergenov Kenes Rysbekov Kanay Toktarbay Zhexenbek Azat Seitkhan	
31	Construction of coal pitch-based HA-K grafted poly condensates and their excellent anti-temperature and viscosity-reducing properties	Article	Petroleum Science, 2024, DOI 10.1016/j.petsci.2024.04.009	(2023) JIF 6.0 Energy & fuels – Q2	(2023) SCIE	(2023) CiteScore 7.7. Energy Engineering and Power Technology- 78%	Tan Jing Zhang Wei Yan Xiu-Ling Zhou Hao Khan Sher Bahadar <u>Azat Seitkhan</u> Yan Shi-You Ma Hao-Jie Su Xin-Tai	Co-author
32	Hydrophobization of Cold Plasma Activated Glass Surfaces by Hexamethyldisilazane Treatment	Article	Molecules, 2024, DOI 10.3390/molecules29112645	(2023) JIF 4.2 Chemistry, multidisciplinary – Q2	(2023) SCIE	(2023) CiteScore 7.4 Organic Chemistry 81%	Terpilowski K., Chodkowski M., Pakhlov E., Pasiczna-Patkowska S., Kuśmierz M., <u>Azat S.</u> , Pérez-Huertas, S.	Co-author

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33	Polyethylene terephthalate (PET) recycling: A review	Article	Case Studies in Chemical and Environmental Engineering, 2024, DOI 10.3390/molecules29112645	-	-	(2023) CiteScore 9.2 Environmental Science (miscellaneous) – 91%	Muringayil Joseph F Azat Seikkhan Ahmadi / Moini Jazani Omid Esmacili, Amin Kianfar F Haponiuk Józef Thomas Sabu	Co-author
34	Experimental and theoretical study of improved mesoporous titanium dioxide perovskite solar cell: The impact of modification with graphene oxide	Article	Heliyon, Tom 10, 2024. DOI 10.1016/j.heliyon.2024.e26633	(2023) JIF 3.4 Multidisciplinary sciences – Q1	(2023) SCIE	(2023) CiteScore 4.5 Multidisciplinary- 82%	Iisu Chou-Yi Al-Salman H.N.K. Hussein, Hussein H. Juraev, Nizomiddin Mahmoud Z.H Al-Shuwaili Saeb Jasim Hassan Ahmed Ali Ami Ahmed Nahed Mahmood	Co-author

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							<u>Azat Seitkhan</u> kianfar, Ehsan	
35	New spatial-globular structure polymer for pre-treatment in reverse osmosis membrane filtration	Article	Journal of Water Process Engineering, 2024, DOI 10.1016/j.jwpe.2024.104861	(2023) JIF 6.3 Engineering, chemical – Q1	(2023) SCIE	(2023) CiteScore 10.7 Biotechnology - 86%	N.V.Sidorova M.A.Imanbayev B.Khalkhabay A.A.Zharmenov I.I.Kuldeyev S. Azat R.Berndtsson Supiyeva Z	Co-author
36	A unique choline nitrate-based organo-aqueous electrolyte enables carbon/carbon supercapacitor operation in a wide temperature window ( -40°C to 60°C)	Article	Frontiers in Chemistry 2024, DOI 10.3389/fchem.2024.1377144	(2023) JIF 3.8 Chemistry multidisciplinary – Q2	(2023) SCIE	(2023) CiteScore 8.5 General Chemistry 82%	Mansurov Z Azat Seitkhan Abbas Qamar	Co-author
37	Production of Graphene Membranes from Rice Husk Biomass Waste for Improved Desalination	Article	Nanomaterials, 2024, DOI 10.3390/nano14020224	(2023) JIF 4.4 Materials science, multidisciplinary – Q2	(2023) SCIE	(2023) CiteScore 8.5 General Materials Science 80%	Seitzhanova M <u>Azat S</u> Yeleuov M Taurbekov A Mansurov Z Doszhanov E Berndtsson Ronny	Co-author
38	Health Risk Assessment of Nitrate in Drinking	Article	International Journal of Environmental	-	-	(2023) CiteScore 7.3	Sailaukhanuly Y <u>Azat S</u>	Co-author

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	Water with Potential Source Identification: A Case Study in Almaty, Kazakhstan		Research and Public Health, 2024, DOI 10.3390/ijerph21010055			Public Health, Environmental and Occupational Health 86%	Kunarbekova M Tovassarov A Toshtay K Tauanov Z Carlsen I. Berndtsson, Ronny	
39	Carbon-doped titanium dioxide (TiO <sub>2</sub> ) as Li-ion battery electrode: Synthesis, characterization, and performance	Article	Results in Chemistry, 2024, DOI 10.1016/j.rechem.2024.101422	(2023) JIF 2.5 Chemistry, multidisciplinary – Q2	(2023) ESCI	(2023) CiteScore 2.7 General Chemistry- 44%	Z. H. Mahmoud A. Yathrib K. Ghadir M. A. Hayder J.H. Hameed A. Moatasem Hasen Sh.M. A.A. Muzahem S. J. Sally S. Azat S. G.Fadhil K. Ehsan	Co-author
40	Direct Ag-Hg amalgamation in the nanoscale on the surface of biosourced amorphous silica	Article	Journal of Environmental Management, 2024, DOI 10.1016/j.jenvman.2024.123269	(2023) JIF 8.0 Environmental sciences – Q1	(2023) SCIE	(2023) CiteScore 13,7 Environmental Engineering – 93%	Inglezakis V.J Azat S Kinayat N Guney A Baimenova Z Tauanov Z	Co-author
41	Corrosion in space: Challenging projects to	Book Chapter	Sustainability, Safety, and Applications of	-	-	-	Amrousse R. Jabri H.	Author correspondent

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	protect materials used in space exploration		Nanomaterials-Based Corrosion Inhibitors, 2024. DOI 10.4018/979-8-3693-7640-9.ch008v				Harimech Z., Bachar A., Mabrouk A., Souhair N., Azat S.	
42	Nanosized catalytic particles for the decomposition of green propellants as substitute for hydrazine: Application of catalysis and nanocatalysis in green propulsion	Book Chapter	Innovations and Applications of Hybrid Nanomaterials, 2024. DOI 10.4018/979-8-3693-3268-9.ch009				Amrousse R., Elidrissi A. N., Bahar A., Mabrouk A., Toshtay K., Azat S.	Author correspondent
43	Fluorinated-polyhedral oligomeric silsesquioxane (F-POSS) functionalized sepiolite nanostructures for developing epoxy nanocomposites with tailored crosslinking, antifouling, and self-cleaning properties	Article	Journal of Vinyl and Additive Technology 2024 Journal of Vinyl and Additive Technology, 2024. DOI 10.1002/vnl.22177	(2023) JIF 3.8 Chemistry, applied Q2	(2023) SCIE	(2023) CiteScore 5.4 General Chemical Engineering - 67%	Uiece J. F., Penoff M. F., Montemartini P. E., <u>Azat S.</u> , Jouyandeh M., Saeb M.R., Vahabi, Henri	Co-author

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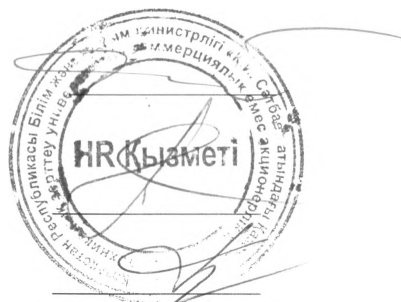
№	Title of the publication	Type of publication	Publication details	Number of pages	Co-authors
1	2	3	4	5	6
Articles in publications recommended by the Committee for Quality Assurance in the Field of Science and Higher Education of the Ministry of Education and Science of the Republic of Kazakhstan					
1	Perspectives of the Silicon Dioxide Production from Rice Husk in Kazakhstan: an Overview	Electronic	Eurasian Chemico-Technological Journal, 2020. DOI - 10.18321/ecetj993. ISSN 15623920 Q 4. JIF 0.655. CiteScore 1.4 General Chemical Engineering - 35% процентиль	9	O. Kaprizov K. Askaruly N.S. Bergeneva A.R Satayeva
2	Исследование химического и биологического состава лекарственного растения джугзуна белокорого для дальнейшего получения антибактериального ветеринарного препарата	Electronic	Вестник КазНУ. Серия биологическая. 2021. №4 (89). ISSN 1563-0218, eISSN 2617-7498.	11	У.М. Амиева К.С. Бексейітова Г.Т. Есжанова Р. Букетте
3	Характеризация нанокompозитных цеолитов для удаления ртути из воды, полученных методом Фьюжн	Electronic	Периодический научно-технический журнал Вестник НЯЦ РК, 2022. №3(91). DOI-10.52676/1729-7885-2022-3-69-74, ISSN 1729-7516.	6	А. Сагаева Ж. Тауанов У. Жаңтқиев А. Байіменов И. Алпан

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4	Получение композиционных волокон методом электроспиннинга с применением отходов растительного сырья	Electronic	Горение и плазмохимия, 2022 , Том 20 № 4. DOI-10.18321/cpe20(4)315-322.	8	Б.Б. Қайдар А.А. Иман Ә.Е.Тыныштыққызы Ы.Т.Т. Смағұлова Б.Х. Сентов. А. Мансуров
5	Evaluation of the properties of their modifusion zinc coating of couplings of pump-compressor pipes produced by «KSP steel»	Electronic	News of the National Academy of Sciences of the Republic of Kazakhstan, Series of Geology and Technical Sciences, 2022, Vol 6, DOI-10.32014/2518-170X.242 , JIF 0.68, Q3 CiteScore 1.8 , Earth and Planetary Sciences - 11% процентиль	8	S.R. Massakbayeva, G. S.Aitkaliyeva, B.R.Abdрахманов а. M. A. Yelubayev
6	Preliminary Study and Assessment of Drinking Water from Almaty, Kazakhstan	Electronic	Eurasian Chemico-Technological Journal, 2022 DOI- 10.18321/ectj 1478. ISSN: 15623920. JIF 0.655, Q4. CiteScore 1.4. General Chemical Engineering - 29% процентиль	12	Y. Sailaukhanuly , А. Popova , Т. Mansur , К. Bexseitova , К. Toshtay А. Tovassarov А. Tasmagambetova
7	Obtaining synthetic zeolite and nanocomposite from rice husk to remove mercury ions from water	Electronic	Chemical Bulletin of Kazakh National University (In Progress). 2023, Vol 109 № 2-3. DOI-10.15328/cb1323. ISSN 1563-0331. eISSN 2312-7554	8	M. Suleimenova, S. Zharylkan, M. Mekenova, А. Tolepova, А. Mutushev, Zh. Tauanov

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8	Улучшение энергетическо конверсии с использованием MXENES: анализ эффективности	Electronic	Вестник НЯЦ Периодический научно - технический журнал национального ядерного центра республики Казахстана, 2023, выпуск 4(96). DOI-10.52676/1729-7885-2023-4-32-39 . ISSN 1729-7516	9	М. Т. Джусамбаев, К. Аскарулы, К. Б. Шакинов, У. Жаптыкеев
9	Биологиялық оздігінен ыдырайтын полимер алу технологиясын әзірлеу	Electronic	Вестник НЯЦ РК периодический научно-технический журнал Национального ядерного центра Республики Казахстан, 2023, выпуск 3(95). DOI:10.52676/1729-7885-2023-3-72-80 .	9	К. Ш Шығажырбай, М. М. Матаев, В. Жаптыкеев, К. Гонттай, Е. Сапарқалиұлы, Ж. Г. Гауанов, К. К. Кудайбергенов
10	Термиялық өңделу процесіндегі суспензиясының беттік-активті заттар мен суда ерігін полимерлердің композициясы қатысында қорылымдануы	Electronic	Вестник НЯЦ РК периодический научно-технический журнал Национального ядерного центра Республики Казахстан, 2023 , выпуск 3(95) , DOI-10.52676/1729-7885-2023-3-72-80, ISSN 1729 - 7516	8	К. Гонттай, Г.М.Абывбокова .
11	Propulsion Systems, Propellants, Green Propulsion Subsystems and their Applications: A Review (статья)	Electronic	Eurasian Chemico-Technological Journal, 2023, DOI: 10.18321/ectj 1491. ISSN: 15623920. Q4. JIF 0.655. CiteScore 1.4. General Chemical Engineering - 29% процентиль	9	I.Remissa , H.Jabri , Y.Hairch , K. Foshtay , M.Atamanov , R.Amrousse .

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12	Синтез нановолоконного гибридного композита из обработанного карбамидом окисленного угля, полученного путем активации $K_2CO_3$ карбонизованной лигноцеллюлозы	Electronic	ГОРЕНИЕ И ПЛАЗМОХИМИЯ 21, 2023, Том 21 № 4. DOI-10.18321/cpc21(4)273-285	13	Ж Жаңдосов, А.Байменов, Ш.Султанхан, Р.Абдулкаримова, Б.Лесбаев, Е.Досжанов.
13	Күріш қауызы мен лигнині негізіндегі ұялы құрылымды көміртекті тасымалдаушы еркіндік бер қалыңдығы жұқа	Electronic	Вестник Евразийского национального университета имени Л.Н. Гумилева. Серия: Естественные науки. Экология. 2023. № 2. DOI- 10.32523/2616-6771-2023-143-2-10-2. ISSN: 2616-6771, eISSN: 2617-9962	13	З.Мансуров А. Оразбеков, Ж. Жаңдосов, С.Турсунжан, Н. Абдусадықов, А. Сабогова, М. Сулейменова, С. Турсунжан, М. Мекенова, А. Голенова, А. Мутушев, Ж. Тауанов
14	Получение синтетического цеолита и нанокompозита из рисовой шелухи для удаления ионов ртути из воды	Electronic	Казахский национальный университет имени аль-Фараби, 2023, Том 100, №2-3, 19-21. DOI-10.15328/cb1323	8	М. Сулейменова, С. Турсунжан, М. Мекенова, А. Голенова, А. Мутушев, Ж. Тауанов
15	Extraction of zinc from zinc smelting slag by leaching with ammonium chloride	Electronic	News of the national academy of sciences of the republic of Kazakhstan series chemistry and technology, 2024, DOI-10.32014/2024.2518.1491.218, ISSN 2224-5286)	14	К. Amantailyul, N.N. Nurgaliyev, O. Abbas, K. Goshtay

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16	Загрязнение пресной воды микропластиком : источники , последствия и стратегии смягчения (обзор литературы)	Electronic	Вестник НЯЦ Периодический научно - технический журнал национального ядерного центра республики Казахстана), 2024, выпуск 1(97), DOI-10.52676/1729-7885-2024-1-34-44 ISSN 1729-7516	12	К. Бексейтова, А. Байменов . У. Жантукеев . Е. Сайлауханулы , А. В. Есин . С. Михайловский
17	Адсорбционная очистка промышленных сточных вод от поливантов карбонатным шламом	Electronic	Вестник НЯЦ Периодический научно - технический журнал национального ядерного центра республики Казахстана, 2024, выпуск 2(98). DOI-10.52676/1729-7885-2024-2-56-64	6	П. Е. Айкенова . У. К. Сарсембин . Ш. А. Карасаева .
18	Биомассадан наноцеллюлоза алу және олардың физика - химиялық қасиеттерін зерттеу	Electronic	Вестник НЯЦ Периодический научно - технический журнал национального ядерного центра республики Казахстана, 2024, выпуск 2(98). DOI-10.52676/1729-7885-2024-2-56-64 . ISSN 1729-7516	9	Л.Е.Абдрахманова, Б. У. Рахимова , Е. А. Алтынов . У. Е. Жантукеев . К. С. Бексейтова , К.К.Құдайбергенов А. Дәулетбай , М. Нажинқызы , К. Мохаммад
19	Development of biopolymer based colorimetric indicator for monitoring of meat and fish freshness	Electronic	Алматы Технологиялық университетінің хабаршысы, 2024. Том 143 №1. DOI-10.48184/2304-568X-2024-1-37-45	8	У. Sailaukhanuly , S.Rakhmet , У. Yeszhan , К. Toshtay , R. Busquet .

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20	Eco-foresight research in shaping country's science development strategy regarding the green economy	Electronic	Научный журнал «Вестник университета «Туран», 2024, № 1(101). DOI-10.46914/1562-2959-2024-1-1-9-22.	14	A.Zhumadildaev, Sh.M.Kobdikova.
21	Properties, Bioactivity and Viability of the New Generation of Oxyfluoronitride Bioglasses	Electronic	Eurasian Chem.-Technol. J, 2024, Vol 26 №1, DOI- 10.18321/ectj1565	10	A. Bachar , A. Mabrouk , R. Amrousse , C. Follet , C. Mercier , F. Bouchart .
22	Свойства нановолоконного композита, полученного из биомассы путем химической активации	Electronic	Техническое и патентное ведомство РК, 2024, Том 22 № 1.	9	М.С. Кундарбекова, Л.Н. Сеймуханова, К.К. Кудайбергенов
<b>Patents</b>					
23	Способ получения высококачественного аморфного диоксида кремния из рисовой шелухи		Патент на полезную модел. № 5144. 10.07.2020. Алматы.	2	К.Асқарұлы , О.С.Қашықов , К.С.Бексейітова , Ү.Е.Жаңтқышев .
24	Способ получения модифицированного активированного угля		Патент на полезную модел. № 7567. 04.11.2022. Алматы.	2	З.А.Мапеуров Ф.В.Лигиция Л.Питер Е.Досжанов Э.Иманш Ү.Е.Жаңтқышев

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25	Способ получения синтетических цеолитов и наноккомпозитов из летучей золы угля методом фьюжн		Патент на полезную модел. №7398. 26.08.2022. Астана	2	М.Е.Судейменова Ж.Т.Тауанов А.Р.Сатаева А.Ж.Байменов Ұ.Е.Жантیکеев И.Қ.Аллап М.А.Бийсенбаев
26	Способ получения сорбента для очистки воды от микропластика		Патент на полезную модел. № 8398. 05.11.2025.	2	Ұ.Е.Жантیکеев К.С.Бексейтова Б.І.І.Турсалы
27	Пористый индивидуальный фильтр для получения питьевой воды в полевых условиях		Патент на полезную модел. № 9369.12.07.2024	2	Е.Сайлаханұлы К.К..Кудайбергенов К.К.Ақшулақов Ұ.Е.Жантیکеев С.М. Жарықпап А.Н.Тұлембаев
28	Радионуклидтерден суды тазарту үшін сорбентті алу тәсілі		Патент на полезную модел. №9470 16.08.2024 Астана	2	К.К.Кудайбергенов Ұ.Е.Жантیکеев М.С.Кунарбекова Л.Н.Сеймуханова И.О.Сапарғали
<b>Articles published in other scientific journals and publications</b>					

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	Modified sorbent based on walnut shell for sorption of toxic gases	Electronic	Materials Today: Proceedings, 2020 Том 95, Выпуск 6, Страницы 1383 - 1392 DOI: 10.1016/j.matpr.2020.12.948 ISSN: 10620125	9	Z.A.Mansurov I.F.Velasco P.Lodewyckx A.R.Kerimkulova.
30	Применение наноуглеродного сорбента при сорбции серы в нефтепродуктах	Electronic	Новости науки Казахстана научно-технический журнал-2020. Приложение к № 3 (145). - Алматы. ISSN: 1566-5038.	14	Ү.Е.Жантیکеев А.Р.Керімқұлов О.М.Досжанов
31	Biopolymers synthesis and application	Electronic	Materials Today: Proceedings, 2023. ISSN: 2214-7855	8	M.S.Kunarbekova M.Khanlybaev  K.Beketova K.K.Kudaibergenov Y.Saifaukhamuly Y.Tuleshov S.U.Zhantikejev D.T.Ybyraiyimkul
32	Өскерді таза сумен қамтамасыз ету үшін жеке сүзгі құрамын әзірлеу	Electronic	Научно-образовательный журнал вестник Национального университета обороны-журнал 2023. Приложение к №3. Алматы. ISSN:2308-1112	6	Е.Е.Макаров Қ. Асқарұлы
33	Шетелдік қарулы күштерінде қолданылатын сумен қамтамасыз ету жүйелері «статья	Electronic	Военно-теоретический журнал «Бағдар - Ориентир», 2023, №2(98). ISSN 2306 - 7357	5	К.Ж.Ақпозақов Ү.Е.Жантیکеев

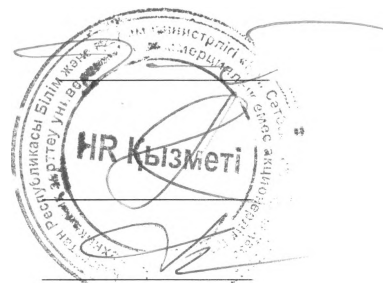
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34	Дана жағдайына арналған заманауи ықнамды су тазарту сүзгілерін жасау	Electronic	«САРДАР» ғылыми журналы «Әкері-стратегиялық зерттеулер орталығы», 2023, № 3 (43). ISSN 2071-2707.	6	К.Ж. Ақшулақов С.М. Жарыпқан
35	Дана жағдайына арналған заманауи ықнамды су тазарту сүзгілерін жасау	Electronic	САРДАР, 2023, № 3 (43). ISSN 2071-2707	6	К.Ж. Ақшулақов С.М. Жарыпқан
<b>International scientific and practical conferences</b>					
36	Valorization of biomass waste into high material for Li ion batteries	Electronic	The 8th International Conference on Nanomaterials and Advanced Energy Storage Systems (INESS- 2020) Abstract book. Nur-Sultan, p.19	1	Z.A.Mansurov A.R.Kerimkulova
38	Adsorption of Mercury on the Surface of Coal Fly Ash Derived Zeolites and Nanocomposites: Equilibrium Studies and Mechanisms	Electronic	Nanomaterials and Advanced Energy Storage Systems (INESS- 2020) Abstract book. Nur-Sultan, p.38	1	M.Yeleuov
38	Adsorption of Mercury on the Surface of Coal Fly Ash Derived Zeolites and Nanocomposites: Equilibrium Studies and Mechanisms	Electronic	12th International Advances in Applied Physics & Materials Science Congress &Exhibition (APMAS 2022)	1	Z. Tauanov, A. Satayeva, I.Allan
39	Разработка технологии очистки воды от микропластики	Electronic	Международная научно-практическая конференция «Фундаментальные и практические аспекты функциональных полимеров»	4	У.Жантикеев , М.Кунарбекова , К.Бексейтова , Е.Сайлауханұлы , К.Топштай , Ж.Тауанов,

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					К.К.Кудайбергенов С. Михаловский.
40	Разработка индивидуального средства и модульной установки очистки воды	Electronic	Сборник трудов XIII Международного Симпозиума «химическая физика, материаловедение, наноматериалы» 20-21 Декабря 2022 г. Алматы, казахстан	3	К. Ж.Ануақов , У. Е.Жаптықеев , К.Асқарұлы , Г.Д.Макаров , Ч.С.Жолдыбаев , С.С.Жолдыбаев , Ч.Т.Гафаретти , А.У.Банксетов , А.А.Жолдыбаев , А.А.Жолдыбаев , К.Б.Кунакоева
41	Применение наночастиц $SiO_2$ / Ni из растительного сырья	Electronic	Сборник трудов XIII Международного Симпозиума «химическая физика, материаловедение, наноматериалы» 20-21 Декабря 2022 г. Алматы, казахстан	3	К. Ж.Ануақов , У. Е.Жаптықеев , К.Асқарұлы , Г.Д.Макаров , Ч.С.Жолдыбаев , С.С.Жолдыбаев , Ч.Т.Гафаретти , А.У.Банксетов , А.А.Жолдыбаев , А.А.Жолдыбаев , К.Б.Кунакоева
42	Гемірдің нанобөлшектерін алу әдістері және олардың қолданылуы	Electronic	«Улытау-казакстан металлургияшының бесігі» халықаралық ғылыми - практикалық конференциясы. 18-19 мамыр 2023 ж. Алматы, Казакстан.	5	К.Б.Кунакоева
43	Ауыз су көздеріндегі жаңа ластаушы заттардың мониторингі	Electronic	«Улытау-казакстан металлургияшының бесігі» халықаралық ғылыми - практикалық конференциясы. 18-19 мамыр 2023 ж. Алматы, Казакстан.	5	А.Қ.Тұрған
44	Ауыл шаруашылық қалдықтарынан су тазартуға арналған композитты сорбенттер алу	Electronic	Республика күніне арналған «болашақ біздің қолымызда» ғылыми-тәжірибелік конференция еңбектері	3	И. Сапарғали, А. Зарбан, А. Алдабек
45	Facile synthesis of nanofibrous c/c-composite using urea treated oxidized carbon derived via $K_2CO_3$	Electronic	XIV International Symposium «COMBUSTION AND PLASMA CHEMISTRY.	6	J.M.Jandosov , A. Zh.Baimenov , Sh.Sultakhan ,

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			Physics and chemistry of carbon and nanopower materials November 7-8, 2023 ALMATY, KAZAKHISTAN		R.G.Abdulkarimova B.T.Lesbayev Z.A.Mansurov, Ye.O.Doszhanov
46	Сұлтзарлуға арналған композитті 2023	Electronic	International Satbayev Conference 2023 өндіріске өндіруге, деңгейі - халықаралық конференция 2023	6	I.Sapargali
Monograph, for books					
47	Biocomposite Materials Based on Carbonized Rice Husk in Biomedicine and Environmental Applications	Printed	Chapter of monograph Carbon Nanomaterials in Biomedicine and the Environment Copyright. 2020 Jenny Stanford Publishing Pte. Ltd. Singapore. pp.3-26. ISBN 978-981-4800-27-3 (Hardcover).	23	Z. A. Mansurov, J. Jandosov, D. Chenchik, Irina S. Savitskaya, Aida Kistaubaeva, Nuraly Akimbekov, Ilya Digel, A. Zhubanova.
48	The Use of Fusicocein as Anticancer Compound	Printed	Chapter of monograph Carbon Nanomaterials in Biomedicine and the Environment Copyright. 2020 Jenny Stanford Publishing Pte. Ltd. Singapore. pp. 173-203. ISBN 978-981-4800-27-3 (Hardcover).	30	Z.A. Mansurov A.R.Kerimkulova

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49	Химия и химическая технология	Printed	Chapter: Получение аморфного кремнезема из рисовой шелухи и характеристики. Современные проблемы: сборник обзорных статей ученых-химиков / под общ. ред. проф. З.А Мансурова. - Алматы: Казак университеті, 2020. -Вып. 6. - 335с. ISBN 978-601-04-3622-0	16	К. Аскарұлы А. Керімқұлова
50	Синтез наночастиц диоксида кремния из рисовой шелухи для очистки от токсичных газов	Printed	Chapter: Diversity and Applications of New Age Nanoparticles, 2023. (Scopus indexed) ISBN 978-601-86921-9-0.		U. Zhantikeev K. Askaruly K. Bexseitova
51	White paper on nanotechnology	Printed	Chapter: Synthesis nanoparticles of SiO <sub>2</sub> from rice husk ash and its application. 2022. ISBN 978-601-04-0429-8 T.3.-2022-405 с. ISBN 971-601-04-5971-7	10	
52	Carbon Nanomaterials in Biomedicine and the Environment	Printed	Chapter: Porous Carbon Nanostructured Sorbents for Biomedical Application. 2020 Jenny Stanford Publishing Pte. I.td. ISBN 978-981-4800-27-3 (Hardcover) ISBN 978-0-429-42864-7 (eBook)	34	A. R. Kerimkulova, Z. A. Mansurov.
53	Synthesis nanoparticles of SiO <sub>2</sub> from rice husk and its industrial application	Printed	Diversity and Applications of New Age Nanoparticles, 2023. (Scopus indexed) ISBN: 978-166847360-3, 978-166847358-0	25	U. Zhantikeev K. Askaruly K. Bexseitova

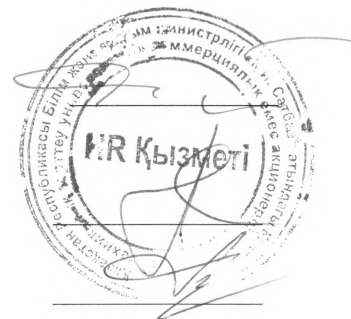
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			201.10.4018,978-1-6084-7338-0.ch007		Y. Sailaukhanuly K. Toshtay Zh. Tauanov D. Ybyraiyumkul
54	Кремний диоксиді: күріш қауызынан синтездеу, негізгі сипаттамалары және қолданылуы	Printed	Монография / С. Азат. - Алматы: Казак университеті, 2022. - 188 б.	188	-
55	Инновационные технологии улучшения качества воды отовки питьевой воды в РК	Printed	Chapter. Технологии медленного фильтрования Монография Т.Н. Кульдеев - Алматы: КазНТУ им. К.И. Сатпаева, 2023.- 503 с.	12	К.Ж. Абдиев, С. Кабдрахманова, Б. Хаджабан, Н. Шаймуратов, Ш. Султахан, Д. Ыбырайымкул.

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