Form 2.3

Al-Farabi Kazakh National University
List of published scientific papers
Daniel Mekonnen Zellele

№	Title of work	Manuscript or published	Name of the publisher, journal (No., year), author's certificate number.	Number of pages	Co-authors
1	2	3	4	5	6
1	A Review on Properties of Electrodeposited Nickel Composite Coatings: Ni-Al_2O_3, Ni-SiC, Ni-ZrO_2, Ni-TiO_2 and Ni-WC	Publ.	MDPI Materials, 2024, Vol 17(23), 5715, Q2, SJR = 0.614, Cite score = 6.4, IF = 3.5, Scopus percentile 79% https://doi.org/10.3390/ma17235715	18	G. Yar Mukhamedova M. Rutkowska-Gorczyca
2	Advancements in Coating Methods and Properties of Titanium-Based Composite Coatings: A Review	Publ.	Engineered Science, Materials and Manufacturing, 2025, Vol 28, 1569 Q1, SJR = 0.62, IF = 5.3, Cite score = 12.7, Percentile = 98%) https://dx.doi.org/10.30919/mm1569	16	G. Yar-Mukhamedova M. Rutkowska-Gorczyca I. Makhambet G. Mussabek R. Atchibayev A. Kemelzhanova
3	Effect of Deposition Temperature on Morphology and Corrosion Resistance of Electrodeposited Chromium-Graphene Composite Coatings	Publ.	Engineered Science, Materials and Manufacturing, 2025, Vol 31, 1966 Q1, SJR = 0.62, IF = 5.3, Cite score = 12.7, Percentile = 98%) http://dx.doi.org/10.30919/mm1966	14	G. Yar-Mukhamedova M. Rutkowska-Gorczyca
4	Effects and Applications of Additives in Nickel Electrodeposition: A Review	Publ.	Engineered Science, Materials and Manufacturing, 2026, Vol 31, 2080, Q1, SJR = 0.62, IF = 5.3, Cite score = 12.7, Percentile = 98% http://dx.doi.org/10.30919/mm2080	26	G.Yar-Mukhamedova M. Rutkowska-Gorczyca

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5	Electrochemical synthesis and functional properties of metal and alloy-based composition coatings	Publ.	Recent Contributions to Physics, 2024, Vol 88, No. 1, Q4 https://doi.org/10.26577/RCPh.2024v88i1a06	8	Malgorzata Rutkowska-Gorczyca
6	Corrosion behaviour of magnesium alloys NZ30K and NZ30K alloyed with silver in the model solution of the osteosynthesis process	Publ.	Eurasian Physical Technical Journal, 2024, Vol 23, No. 3 (49), Scopus percentile 26%, Impact factor 0.5, Q4 https://doi.org/10.31489/2024No3/29-36	8	V. Greshta O. Narivskyi A. Dzhus V. Vynar, G. Yar-Mukhamedova K. Mukashev N. Beissen G. Mussabek A. Imanbayeva R. Atchibayev A. Kemelzhanova
7	Study of complexation patterns in the system Ni^{2+}, MoO_4^{2-}, $P_2O_7^{4-}$, Cit^{3-} for the development of poly-ligand electrolytes (Study of complexation patterns	Publ.	Eurasian Chemico-Technological Journal, 2024, Vol 26, No. 3, Scopus percentile 33%, Impact factor 0.5, Q3 https://doi.org/10.18321/ectj1638	6	T. Nenastina M. Sakhnenko S. Oksak G. Yar-Mukhamedova G. Mussabek A. Imanbayeva
8	Synthesis and properties of polyfunctional coatings on aluminum and titanium alloys	Publ.	Physical Sciences and Technology, 2025, Vol. 12, No 3-4, Pages 41-49, Scopus percentile 24%, Q4 https://doi.org/10.26577/phst20251224	9	G. Yar-Mukhamedova N. Sakhnenko A. Korogodskaya I. Stepanova A. Karakurkchi W.Y. Wang A. Imanbayeva
9	Patterns and mechanisms of pitting of heat exchangers made of AISI 321 and 08KH18N10T steels during their operation in recycled water	Publ.	Eurasian Chemico-Technological Journal, 2025, Vol. 27, No. 4, P. 305-313, Scopus percentile 33%, Impact factor 0.5, Q3 https://doi.org/10.18321/ectj1677	9	G. Snizhnoi T. Pulina N. Solidor G. Yar-Mukhamedova A. Imanbayeva G. Mussabek

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10	Electrodeposited Iron-based Composition Coatings (Conference Paper)	Publ.	International Scientific Conference of Students and Young Scientists "Farabi Alemi", Almaty Kazakhstan, 3-5 April 2025, P 447, ISBN 978-601-04-7063-7	1	
11	Development of Recommendations for Corrosion-resistant Nano-CEC Applications (Conference Paper)	Publ.	International Scientific Conference of Students and Young Scientists "Farabi Alemi", Almaty Kazakhstan, 3-5 April 2025, P 447, ISBN 978-601-04-7063-7	1	I. Makhambet
12	Electrolytic Nickel Alloys: Status and Prospects (Conference Paper)	Publ.	XXXIII International Scientific-Practical Conference MicroCAD-2025, Kharkiv, Ukraine, 14-17 May 2025, P 1882, ISSN 2786-9253	1	M. Sakhnenko T. Nenastina G. Yar-Mukhamedova
13	Microstructure, Tribological and Corrosion Resistant Properties of Ni Composite Coatings Prepared via Electrodeposition (Conference Proceedings)	Publ.	Proceedings of 25th International Multidisciplinary Scientific Geo Conference-SGEM 2025, Bulgaria, 29 June – 6 July 2025, Vol 25, No 6.1, Pages 57-64, ISBN 978-619-7603-87-3, ISSN 1314-2704 https://doi.org/10.5593/sgem2025/6.1/s23.08	8	G. Zhamanbayeva A. Kemelzhanova R. Atchibayev V. Kurmangaliyeva
14	Microstructural and corrosion resistance properties of electrodeposited chromium-graphene composite coatings under varying deposition temperatures	Publ.	XVI International Symposium on Combustion Plasma and Chemistry, Physics and Chemistry of Carbon and Nano Energetic Materials, October 1-3, Almaty, Kazakhstan, P 181, ISBN 978-601-323-422-9	2	

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1	2	3	4	5	6
15	Electrochemical and mechanical properties of iron-based nanocomposites (conference paper)	Publ.	Springer Nature, 2026, P. 215-220, Scopus percentile 43%, Q4 https://doi.org/10.1007/978-3-032-00373-7_29	6	G. Yar-Mukhamedova N. Sakhnenko A. Karakurkchi I. Yermolenko A. Kemelzhanova
16	ФУНКЦИОНАЛЬНЫЕ ПОКРЫТИЯ СПЛАВАМИ И НАНОКОМПОЗИТАМИ ДЛЯ ЭКОТЕХНОЛОГИЙ: СИНТЕЗ И СВОЙСТВА (Монография)	Publ.	КАЗАХСКИЙ НАЦИОНАЛЬНЫЙ УНИВЕРСИТЕТ ИМЕНИ АЛЬ-ФАРАБИ, Р 110, ISBN 978-601-04-7306-5, 2025, Almaty, Kazakhstan	110	Г.Ш.Яр-Мухамедова М.В.Ведь Н.Д.Сахненко И.И.Степанова Ю.А.Желавская А.Н.Корогодская К.Мукашев А.Д.Мурадов,
17	Method for applying coatings with iron-cobalt-vanadium alloy (Patent)	Publ.	Republic of Kazakhstan, Patent No. 10580, 19/02/2025	2	G. Yar-Mukhamedova N. Sakhnenko K. Mukashev A. Imanbayeva T. Nenastina G. Mussabek A. Pospelov
18	Method for depositing a cobalt-vanadium alloy coating (Patent)	Publ.	Republic of Kazakhstan, Patent No. 11879, 06/03/2026	2	Yar-Mukhamedova G. Sakhnenko N. Imanbaeva A. Kemelzhanova A. Atchibayev R. Pospelov A. Zhelavskaya Y. Zyubanova S. Wang Y. Shen C.

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