Form 2.3.

Al-Farabi Kazakh National University

LIST OF SCIENTIFIC WORKS AND INVENTIONS

Master of Natural Sciences, PhD candidate

Rakhym Akmaral Bakhytzhankyzy

№	Title of works	Manuscript or published	Name of Publisher, Journal (No, Year), Patent Number	Number of Pages or Sheets	Co-Authors' Surnames
1	2	3	4	5	6
1	Physicochemical evaluation of the effect of natural zeolite modification with didodecyldimethylammonium bromide on the adsorption of Bisphenol-A and Propranolol Hydrochloride	Published	Microporous and Mesoporous Materials, Volume 318, April 2021, 111020, https://doi.org/10.1016/j.micromeso.2021.111020	11	Seilkhanova G.A., Mastai Yitzhak
2	Preliminary assessment of modified Kazakh natural zeolites as possible sorbents for MnO_4^- removal from aqueous solutions	Published	STUDIA UBB CHEMIA, LXIII, 4, 2018. p. 181-192.	11	Seilkhanova G., Csavdari A.
3	Dichromate and permanganate-anions adsorption by Shankanai deposite organo-zeolite (in Russian)	Published	Eurasian Journal of Ecology. №4 (57). 2018. pp. 58-68.	10	Seilkhanova G., Csavdari A.
4	Sorption of lead and cadmium ions from aqueous solutions using modified zeolite (in Russian)	Published	Chemical Bulletin of Kazakh National University. № 4 (91). 2018 pp. 16-22. https://doi.org/10.15328/cb980	7	Telkhozhayeva M.S., Seilkhanova G.A., Imangaliyeva A.N., Akbayeva D.N.

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Scientific Secretary Tussupbekova A.S.

1	2	3	4	5	6
5	Composite material based on zeolite modified with polyethylene glycol for the purification of aqueous solutions from Pb^{2+} and Cd^{2+} ions (in Russian)	Published	Herald of the Kazakh-British Technical University, Vol. 16, Iss. 4, 2019 pp. 63-71.	8	Mendigaliyeva G.E., Seilkhanova G.A.
6	Chamotte clay sorbent for the extraction of lead and cadmium ions from aqueous solutions	Published	International Journal of Biology and Chemistry. – 2019. – V.12, No.2. pp. 129-134. https://doi.org/10.26577/ijbch-2019-i2-17	6	Bekturganova U.Zh., Seilkhanova G.A., Csavdari A.
7	Sorption activity of chamotte clay modified with anionic surfactant (in Russian)	Published	V International Russian-Kazakh Scientific and Practical Conference "Chemical Technologies of Functional Materials", dedicated to the 85th anniversary of Al-Farabi Kazakh National University, May 16-18, 2019, Novosibirsk	3	Seilkhanova G.A., Kurmanbayeva T.S.
8	Modified chamotte clay for the purification of aqueous solutions from lead and cadmium ions (in Russian)	Published	VIII International Competition-Conference of Student Scientific Works named after A.A. Yakovkin, November 20, 2019, Saint Petersburg	1	Bekturganova U., Seilkhanova G., Abdirash F.

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9	Composite materials based on natural zeolite and chamotte clay for the creation of geochemical barriers (in Russian)	Published	VIII International Competition-Conference of Student Scientific Works named after A.A. Yakovkin, November 20, 2019, Saint Petersburg	1	T.S.Kurmanbayeva, G.A. Seilkhanova, Z.E. Baranchiyeva
10	Physicochemical and adsorption properties of natural zeolite and Chamotte clay	Published	Materials of the 6th International Russian-Kazakh Scientific and Practical Conference "Chemical Technologies of Functional Materials", June 15–16, 2020. – Almaty: Kazakh University, 2020. – pp. 143–147.	5	Seilkhanova G.A., Kurmanbayeva T.S.
11	Adsorption of lead (II) ions from water solutions with natural zeolite and chamotte clay	Published	Materials Today: Proceedings. V.31, 2020, p. 482-485	4	G.A. Seilkhanova, T.S. Kurmanbayeva
12	Evaluation of the effect of sodium chloride and hydrochloric acid treatment on the physicochemical characteristics of chamotte clay (in Russian)	Published	Materials of the 7th International Russian-Kazakh Scientific and Practical Conference "Chemical Technologies of Functional Materials", April 28–29, 2021. – Novosibirsk, 2021. – p. 111	3	G.A. Seilkhanova
13	Sorption characteristics of materials based on zeolite and chamotte clay (in Russian)	Published	Materials of the 7th International Russian-Kazakh Scientific and Practical Conference "Chemical Technologies of Functional Materials", April 28–29, 2021. – Novosibirsk, 2021. – p.87	1	Z.E. Baranchiyeva, G.A. Seilkhanova

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14	Analysis of the physicochemical and sorption characteristics of composites based on zeolite and chamotte clay	Published	MATEC Web of Conferences 340, 01027, 2021. https://doi.org/10.1051/matecconf/202134001027	6	Z.E. Baranchiyeva, G.A Seilkhanova

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