








PERSONAL INFORMATION		SARSENBEKOVA AKMARAL
	 The Republic of Kazakhstan City of Karaganda, st. University 28, Karagandy University of the name of academician E.A.Buketov	
	 	
	 chem_akmaral@mail.ru	
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Date of birth: 17/06/1985		

PLACE OF WORK, POSITION

Karagandy University of the name of academician E.A.Buketov, associate professor of the department of physical and analytical chemistry

SCIENTIFIC DEGREE, SCIENTIFIC TITLE (ACADEMIC DEGREE)

PhD in the specialty «6D060600 - Chemistry»

WORK EXPERIENCE

Place and date

- 2009-2017 - lecturer at the department of pharmaceutical disciplines with a course in chemistry, KSMU;
- 2017 to the present time, associate professor of the department of physical and analytical chemistry, KarU of the name of academician E.A. Buketov.

EDUCATION AND PROFESSIONAL TRAINING

Education

- 2003-2007 Karaganda State University of the name of academician E.A. Buketova, faculty of Chemistry, department of Physical and Analytical Chemistry, specialty – «Chemistry», qualification - **bachelor's degree in chemistry** (with honors);
- 2007-2009 Karaganda State University of the name of academician E.A. Buketova, faculty of Chemistry, department of Physical and Analytical Chemistry, specialty – «6N0606- Chemistry», qualification - **Master's degree in chemistry** (with honors);
- 2012-2015 Karaganda State University of the name of academician E.A. Buketova, faculty of Chemistry, department of Physical and Analytical Chemistry, specialty – «6D060600-Chemistry», qualification - **PhD degrees in chemistry** (with honors).

Professional trainings, Scientific trips

20.09-20.11.2013 scientific trip to Charles University Faculty of Natural Sciences, Prague, Czech Republic

SKILLS DEVELOPMENT INFORMATION

- Certificate of completion of the course «Новые подходы в определении способности к обучению в медицинском вузе с использованием метода интервьюирования» (KSMU; completion date and certificate issue - february 05, 2016);
- Certificate of completion of the course «Повышения педагогической квалификации по следующим компетентностям: коммуникативные навыки, эффективное

- преподавание в медицинском вузе, информационно-коммуникационные технологии, менеджмент научных исследований, оценка и экспертиза в медицинском вузе, лидерство в медицинском образовании» (KSMU; completion date and certificate issue - march 31, 2016);
- Certificate of completion of the course «Современные аспекты химии в фармации» (KarSU of the name of academician E.A. Buketov; graduation date and certificate issue - January 28, 2017);
 - Certificate of completion of the course «Формирование клинических и прикладных навыков обучающихся» (KSMU; completion date and certificate issue - february 21, 2017);
 - Certificate of completion of the course «Химия» (KazNRTU them. K.I. Satpayev; end date and certificate issue - July 30, 2018);
 - Certificate of completion of the course « Қазақ тілі әліпбиін латын графикасына көшіру жағдайында жоғары оқу орындары профессор-оқытушылар құрамының кәсіби құзыреттілігін арттыру» (National Center for Advanced Studies "Orleu"; end date and certificate issue - 08 November 2019);
 - Certificate of completion on the platform Coursera «Introduction to Chemistry: Reactions and Ratios» (Duke University, Department of Chemistry; "; end date and certificate issue - - September 28, 2019).

PERSONNEL QUALITIES

Native language **Kazakh**

LANGUAGE	UNDERSTANDING		SPEAKING		WRITING
	Hearing	Reading	Oral speech		
Russian	C2	C2	C2	C2	C2
English	B1	B1	B1	B1	B1

Digital skills MICROSOFT OFFICE (WORD, EXCEL, POWER POINT), ORIGINLAB; CHEMOFFICE; HYPERCHEM; MATHCAD; LATEX.

Other skills (hobbies) Reading, travel.

ADDITIONAL INFORMATION

Main publications

1. Burkeev M.Zh., Fazylov S.D., Bakirova R.E., Iskineyeva A., Sarsenbekova A.Zh. et al. Thermal decomposition of β -cyclodextrin and its inclusion complex with vitamin E // *Mendeleev Communications* – 2021. – №1(31). – C. 76-78.
2. Iskineyeva A., Mustafayeva A., Zamaratskaya G., Sarsenbekova A.Zh. Encapsulation of vitamin aevit oil solution with β -cyclodextrin // *Reports of the National academy of sciences of the Republic of Kazakhstan* – 2021. – №335(1). – P. 5-13.
3. Bakirova R.E., Fazylov S.D., Burkeev M.Zh., Iskineyeva A., Sarsenbekova A.Zh. et al. Obtaining and Investigation of the β -Cyclodextrin Inclusion Complex with Vitamin D3 Oil Solutio // *Hindawi Scientifica*. – Vol. 2020. – 2020. – P. 1-8.
4. Burkeev M.Zh., Sarsenbekova A.Zh., et al. The use of differential calculation methods for the destruction of copolymers of polyethylene glycol fumarate with the acrylic acid // *Bulletin of the Karaganda University* –2020. – №3(99). – P. 4-10.
5. Burkeev M.Zh., Kudaibergen G.K. et al. Comparative analysis of the thermal decomposition kinetics of polyethylene glycol fumarate–acrylic acid copolymers // *Russian Journal of Physical Chemistry A*. – 2019. – №7(93). – P. 1252-1257.
6. Sarsenbekova A.Zh., Khalitova A.I. et al. Study of acid properties of new polymeric complexes of maleic acid polymethylvinyl ether cross-linked by polypropylene glycol // *Bulletin of University of Karaganda*. – Series Chemistry. – 2020. – №1(97). – P.75-82.
7. Burkeev M.Zh., Khamitova T.O., Sarsenbekova A.Zh. et al. Synthesis, characterization, and catalytic properties of metal-polymer complexes based on copolymers of polyethylene(propylene) glycol maleates with acrylic acid // *Russian Journal of Applied Chemistry*. – 2019. – №1(92). – P. 1-8.
8. Burkeev M.Zh., Burkeeva G.K., Sarsenbekova A.Zh. et al. Synthesis and investigation of copolymer properties on the basis of polyethyleneglycolfumarate and methacrylic acid // *Bulletin of University of Karaganda*. – Series Chemistry. – 2019. – №1(93). – P.32-38.
9. Burkeev M.Zh., Tazhbaev E.M., Sarsenbekova A.Zh. et al. Thermal Destruction of Copolymers of Polypropylene Glycol Maleate with Acrylic Acid // *Russian Journal of Physical Chemistry A*. – 2015. – №12(89). – P. 37-43.
10. Sarsenbekova A.Zh. et al. Figurinene I.V., Khalitova A.I. et al. Comparative kinetic analysis of thermal destruction of hydrogel on the base of polymethylvinyl maleic acid ester linked with polypropylene glycol // *Bulletin of L.N.Gumilyov Eurasian National University*. – Series Chemistry. Geography. Ecology. – 2018. – №1(122). – P.43-52.

Participation in the implementation of scientific projects

performer (at KSU) under the grant of the Ministry of Education and Science of the Republic of Kazakhstan No. 636-X-17 «Development of the obtaining technology of new super moist-absorbents, ion-exchangers and construction materials on the base of copolymers of polypropyleneglycolmaleate and polypropyleneglycolmaleatephthalate»

Membership in professional scientific organizations

–member and scientific secretary of the dissertation council of the Karaganda State University of the name of academician E.A. Buketova in the specialty «6D060600-Chemistry».

Awards and titles

Courses

1. Analytical chemistry.
2. Chemical quantitative analysis.
3. Chemical qualitative analysis.
4. Physicochemical methods of analysis.

Professional and scientific interests	- differential thermal and thermogravimetric analysis of thermal destruction of polymeric materials; - mechanical, physical and chemical properties of polymers, their technological characteristics.
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SCIENTIFIC DATABASES IDENTIFIERS

Researcher ID: U-7656-2018
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Author ID Scopus: 56951061200