PERSONAL INFORMATION



KUTZHANOVA KAMSHAT ZHAMBYLOVNA

• Republic of Kazakhstan, Karaganda, Universitetskaya st., 28, Karaganda University named after academician E.A. Buketov

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https://orcid.org/0000-0001-8265-155X

Date of Birth: 08/20/1978

PLACE OF WORK, POSITION	Karaganda University named after academician E.A. Buketov, Associate Professor of the Physical and Analytical Chemistry Department
ACADEMIC DEGREE, ACADEMIC TITLE (ACADEMIC TITLE)	Candidate of Chemical Sciences
WORK EXPERIENCE	
Place and date	 - 1999-2004 - JSC MNPH "Phytochemistry", engineer; - 2001-2003 - Master's degree at Academician E.A.Buketov KarSU; - 2003-2005 - Postgraduate course at Academician E.A.Buketov KarSU; - 2005 - KarSU named after Academician E.A. Buketova: since 2005 as a teacher, since 2010 as a senior teacher, since 2011 as an associate professor at the Physical and Analytical Chemistry Department.
EDUCATION AND TRAINING	
Education	 1995-1999 - Karaganda State University named after academician E.A. Buketov, Faculty of Chemistry, specialty - 0107-Chemistry, qualification - Chemist. Teacher; 2001-2003 - Master's degree. Karaganda State University named after academician E.A. Buketov Specialty: 02.00.04-physical chemistry; 2003-2005 - Postgraduate studies. Karaganda State University named after academician E.A. Buketov Specialty: 02.00.04-physical chemistry
Internships, scientific trips	- International training course "Regional geology and technology for the development of mineral resources in Central Asia" certificate No. 172310 dated 08/18/2017, Urumqi, Xinjiang, PRC

- "Impulse technologies and production of nanostructured materials with desired properties. Theory and modeling of nanostructures "certificate No. 207011 dated 28.05.2011. KarSU named after E.A. Buketova;

- Teaching methodology for distance learning technology ", certificate No. 277012 dated 04.04.2012, KarSU named after E.A. Buketova;

- Quantum theory of nanoparticles and nanomaterials certificate No. 596012 dated June 16, 2012, KSU named after E.A. Buketova;

- "Advanced training course for teachers of the Republic of Kazakhstan under the program" Advanced training of teachers of pedagogical specialties of universities of the Republic of Kazakhstan (240 hours), the language of instruction is Russian ", certificate No. 0130842 dated June 7, 2014, JSC" National Center for Advanced Studies "Orleu"

- "Modern trends in the development of chemistry and chemical technology" certificate No. 538014 dated 03/04/2017 KarSU im. E.A. Buketova;

- "Development of electronic teaching aids" certificate No. 941018 dated 03/20/2018. KarSU named after E.A. Buketova;

- "Globalization of education: sosio-economic and historical aspects", dated 3.04.2018, Czech Republic, Prague;

- "Quantum technologies of intelligent nanomaterials" from 22.10.2018, KarSU named after E.A. Buketova.

PERSONAL OUALITIES

Knowledge of languages Native language

Kazakh

	UNDERSTANDING		SPEAKING		LETTER
Language name	Hearing	Reading	Oral speech	Written speech	
English language	A1	A1	A1	A1	A1

Computer skills

Advanced user: Microsoft Office (Word, Excel, Power Point); graphic editors (CorelDraw, Adobe Photoshop, Paint), quantum chemical calculations programs (Gaussan, HyperChem, ChemOffice), Zoom video conferencing. Knowledge of operating systems: Windows and Android.

Other skills (hobbies) reading, amateur photography, travel

ADDITIONAL INFORMATION

Main publications	 Kutzhanova K.Zh., Pustolaikina IA, Kurmanova A.F. Quantum-chemistudy of aminoacetic acid cyclic dimmers // Bulletin of Karaganda Universit - Chemistry series 2016 No. 4 (84) S.33-38 Kutzhanova K.Zh., Pustolaikina I.A. Kurmanova A.F. The exchange protons of the oxymethyl radical with acids and bases: a semi-empiriquantum-chemical study // Bulletin of KazNU. Chemical series 2016 N 3-4 (83) P.22-32. Kutzhanova K.Zh., Pustolaikina IA, Kurmanova A.F. Proton exchange ammonia, water and formic acid dimers: quantum-chemical calculation Bulletin of Karaganda University Chemistry series 2018 No. 2 (90) S.64-71. Kutzhanova K.Zh., Pustolaikina IA, Kurmanova A.F. Nonempirit modeling of protolytic processes in dimeric molecules of amino acids Bulletin of Karaganda University Chemistry series 2018 No. 2 (90) P.58-64. 	
	 The number of published scientific and educational-methodical works - more than 120, of which: in logs on the Clarivate Analytics database - 11; in editions recommended by KOKSON MES RK - 23; in publications located in the RSCI database - 9; textbooks, teaching aids, electronic textbooks (co-authored) - 2. Clarivate Analytics Hirsch Index - 1. The Hirsch index according to the RSCI database is 1.	
Participation in the implementation of scientific projects	 Google Scholar Hirsch Index - one. Performer on the initiative topic "Spin probing of the kinetics and mechanisms of acid-base reactions of fast proton transfer and exchange in the liquid phase" in the laboratory of quantum chemistry and EPR spectroscopy; 	
Membership in professional scientific organizations	-	
Awards and titles	 Rector's certificate of honor for the contribution to the development of E.A. Buketov KarSU; certificate of honor of the Akim of the city of Karaganda for personal contribution to the socio-economic development of the city, active labor and social activities (2019). 	

Courses taught	1. Physical research methods			
	2. Chemical physics			
	3. Theory of chemical reactions			
	4. Chemical radiospectroscopy			
	5. Molecular spectroscopy			
	6. Analytical chemistry			
	7. Theory and problems of physical chemistry			
	8. Metrology, standardization and certification			
Sphere of professional and scientific interests	 Instrumental studies of the physical and chemical properties of solutions of amino acids and their derivatives quantum chemistry of protolytic processes; 			
IDENTIFIERS OF SCIENTOMETRIC				
DATABASE				

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 U-7667-2018

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 RSCI identifier:
 5717-4995