

## PERSONAL INFORMATION



Zhumagalieva Tolkyn Sergazievna

📍 Republic of Kazakhstan, Karaganda, Universitetskaya Street 28, Karaganda University of the name of Academician E.A. Buketov



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🔗 <https://publons.com/researcher/1837245/tolkyn-zhumagalieva/>



| Date of birth: 06/11/1979

### PLACE OF WORK, POSITION

Karaganda University named after Academician E.A. Buketova, Head of the Department of Organic Chemistry and Polymers, Professor

### SCIENTIFIC DEGREE, SCIENTIFIC TITLE (ACADEMIC DEGREE)

Candidate of Chemical Sciences, Associate Professor

### WORK EXPERIENCE

#### Place and date

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- 2005 -2006 teacher in the Department of organic chemistry and polymers at Karaganda State University named after E.A. Buketov
- 2006 -2010 Senior Lecturer of the Department of Organic Chemistry and Polymers at KarSU named after E.A. Buketov
- 2010 - to present time - Associate Professor of Organic Chemistry and Polymers Department at Karaganda State University named after E.A. Buketov
- Since 2020 - to date - Head of Department of Organic Chemistry and Polymers at Karaganda University named after E.A. Buketov

### EDUCATION AND PROFESSIONAL TRAINING

#### Education

- 1996-2000 Karaganda State University Academician E.A. Buketov, Department of Chemistry, specialty - "Chemistry," qualification "Chemist. Teacher "
- 2000-2002 Karaganda State University Academician E.A. Buketov, Department of Chemistry, specialty - "Chemistry," qualification Master of Chemistry
- 2002-2004 Karaganda State University named after Academician E.A. Buketov, Faculty of Chemistry, specialty - "02.00.06-Chemistry of macromolecular compounds," degree - candidate of chemical sciences.

#### Professional trainings, Scientific trips

- Internship on the equipment of chemical laboratories of National Research Tomsk Polytechnic University. TPU, Tomsk, 2016

### SKILLS DEVELOPMENT INFORMATION

- Professional Development Course on "Teaching Methodology on Distance Learning Technology". E. A. Buketov Karaganda State University, Karaganda, 2012.
- Professional development course on "Modern pedagogical technologies". Ministry of Education and Science of the Republic of Kazakhstan JSC "National Centre of Professional Development "Orleu", Almaty, 2015.
- Springer" SpringerLink User Training, 2015. Karaganda
- Advanced training course on "Modern Materials Science and Innovative Technologies in Chemical Engineering". E. A. Buketov Karaganda State University, Karaganda, 2017.
- Advanced training course, attended a course of guest lectures on the topic "Supercritical fluids: fundamentals, technologies". E.A.Buketov KarU, Karaganda, 2021.
- Advanced training course "Management in Education" of the E.A.Buketov KarU, Karaganda, 2022.
- Advanced training course, attended a course of guest lectures on the topic "Self-organizing polymer and micellar systems". E.A.Buketov KarU, Karaganda, 2022.
- Advanced training course "Features of communication and organization of educational activities: problems, solutions, prospects". E.A.Buketov KarU, Karaganda, 2023.

## PERSONNEL QUALITIES

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**Native language** **Kazakh**

LANGUAGE	UNDERSTANDING		SPEAKING		WRITING
	Hearing	Reading	Oral speech		
<b>Russian</b>	basic	basic	basic	basic	BASIC
<b>LANGUAGE CERTIFICATE: no</b>					

**Digital skills** Microsoft Office user (Word, Excel, Power Point); Graphic Editors (Coreldraw, Adobe Photoshop, Chem Draw)

**Other skills (hobbies)** Reading books, board games

## ADDITIONAL INFORMATION

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## Main publications

1. Тажбаев Е.М., Буркеев М.Ж., Жапарова Т.С., Жумагалиева Т.С. Исследование in vitro высвобождения Капреомицина сульфата из полиэтилцианоакрилатных наночастиц// Химико-фармацевтический журнал. – 2013. Т.47. № 3. – С.30-32.
2. Burkeev M.Zh., Tazhbaev E.M., Zhaparova L.Zh., Zhumagalieva T.S. *In Vitro* Studies of Capreomycin Sulfate Release from Polyethylcyanoacrylate Nanoparticles// [Pharmaceutical Chemistry Journal](#) volume 46, pages6–9(2012)
3. Burkeev M.Zh., Tazhbayev Ye.M., Zhaparova L.Zh., Zhappar, Zhumagalieva T.S. Synthesis and investigation of nanoparticles of poly-d,l-lactic acid loaded with antituberculosis drug preparation "isoniazid"// *Pharmaceutical Chemistry Journal*. -2016. V.50, №9. –P.608-612 (ИФ 0,461);
4. Буркеев М.Ж., Тажбаев Е.М., Жапарова Л.Ж., Жаппар Н.К., Жумагалиева Т.С. Синтез и исследование наночастиц полимолочной кислоты для иммобилизации противотуберкулезного препарата «Изониазид» //Химико-фармацевтический журнал. -2016. Т.50, №9. –С.38-42 (ИФ=0,702).
5. [Galiyeva, A., Daribay, A., Zhumagaliyeva, T., Zhaparova, L., Sadyrbekov, D., & Tazhbayev, Y. \(2023\). Human Serum Albumin Nanoparticles: Synthesis, Optimization and Immobilization with Antituberculosis Drugs. \*Polymers\* 2023, 15\(13\), 2774; \(Web of Science; Q1; Citation index 1 <http://dx.doi.org/10.3390/polym15132774>\)](#)
6. [Tazhbayev, Y; Galiyeva, A; Zhumagaliyeva, T ; Burkeyev, M; Karimova, B. Isoniazid-Loaded Albumin Nanoparticles: Taguchi Optimization Method//\*Polymers\* 2021, 13\(21\), 3808; \(Web of Science; Q1; Citation index 8; <https://doi.org/10.3390/polym13213808>\)](#)
7. [Tazhbayev Y.M., Burkeev M.Zh., Zhaparova L.Zh., Zhappar N.K., Zhumagalieva T.S.](#) Synthesis and investigation of Poly(d,l-Lactic acid) Nanoparticles loaded with antituberculosis drug Isoniazid //Pharmaceutical Chemistry Journal. – 2016. - Vol.50. - No.9. – P. 38-42. (Web of Science, Q4, IF-0.6, Citation index 5; DOI: 10.1007/s11094-016-1500-4)
8. [Galiyeva, A.R., Tazhbayev, Ye.M., Zhumagaliyeva, T.S., & Daribay, A.T.](#) Encapsulation of Isoniazid in Polylactide-Co-Glycolide Nanoparticles by Nanoprecipitation. *Bulletin of the University of Karaganda – Chemistry*, 2022, 107(3), 208-217. (Web of Science, Q4, Citation index 2; <https://doi.org/10.31489/2022Ch3/3-22-17>)

## Participation in the implementation of scientific projects

- "Development of transport systems of anticancer and anti-tuberculosis drugs based on polylactic acid" (FFS 2012, project manager)
- "Development of nanoparticles and nanocapsules of biopolymers for targeted drug transport" (customer - MES RK, 2009-2011, position - junior researcher);
- "Development of injectable forms of anti-TB drugs p-aminosalicylic acid and capreomycin sulfate encapsulated in serum albumin" (client - MES of RK, 2012-2014, position - Junior Researcher);
- "Development of industrial prototype of the reactor for the production of anti-tuberculosis drug and hepatoprotective drug preparations on the basis of serum albumin and polylactic acid" (customer - MES RK, 2015-2017, position - senior researcher);
- "Development of scientific bases of nanocapsulation of anticancer drugs in polymeric matrices for targeted transport of anticancer drugs" (customer - MES RK, 2018-2020, position - senior researcher);

## Membership in professional scientific organizations

### Awards and titles

### Courses

1. Basic processes and devices of chemical production
2. Nanostructured polymer materials
3. Technology of medicinal polymers
4. Filling and packaging machines for medicinal forms
5. Chemistry and technology of elastomers.
6. Pharmaceutical production machines and automata

### Professional and scientific interests

- Synthesis of high-molecular compounds and study of their properties;
- Production of polymer nanoparticles as carriers of medicinal substances.

### SCIENTIFIC DATABASES IDENTIFIERS

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Researcher ID: [U-6097-2018](#)

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RSCI:

Author ID Scopus: 55786349600