

## PERSONAL INFORMATION



**Zhakupbekova Elmira Zhumantayevna**

📍 Republic of Kazakhstan, city of Karaganda, st. Universitetskaya, 28, KarU named after academician E.A. Buketova



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AAB-3487-2021

| Date of birth: 17.../11.../1979....

## PLACE OF WORK, POSITION

KarU named after academician E.A. Buketova, Associate Professor, Department of organic chemistry and polymers

## SCIENTIFIC DEGREE, SCIENTIFIC TITLE (ACADEMIC DEGREE)

PhD in Chemistry

## WORK EXPERIENCE

### Place and date

2001-2004 postgraduate study at M. Kozybayev North Kazakhstan State University

2005 defended a dissertation for the degree of candidate of chemical sciences in specialty 02.00.06-chemistry of macromolecular compounds

2005-2007 Lecturer at the Department of Organic Chemistry and Polymers

From 2009 to the present, Associate Professor of the Department of Organic Chemistry and Polymers

## EDUCATION AND PROFESSIONAL TRAINING

### Education

– 1996-2001 - Karaganda State University named after academician E.A. Buketova, Faculty of Chemistry, specialty - "Applied Ecology", qualification - environmental chemist (with honors)

2001-2004 - North Kazakhstan State University named after M. Kozybayev, specialty - 02.00.06-chemistry of macromolecular compounds, academic degree - candidate of chemical sciences

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### Professional trainings, Scientific trips

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## SKILLS DEVELOPMENT INFORMATION

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## PERSONNEL QUALITIES

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**Native language** Russian  
Kazakh

### Digital skills

user: Microsoft Office (Word, Excel, Power Point), graphic editors (CorelDraw, Adobe Photoshop), knowledge of operating systems: Windows and IOS.

### Other skills (hobbies)

Reading, board games

## ADDITIONAL INFORMATION

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### Main publications

1. Influence of RAFT Agent on the Mechanism of Copolymerization of Polypropylene Glycol Maleinate with Acrylic Acid.- Polymers. – 2022.- №14 (1884). - P. 1-10 <https://doi.org/10.3390/polym14091884> (Web of Science, Q1)
2. Swelling and collapse of polyampholytic networks of a  $\alpha$ -vinylxyethylamide of acrylic acid copolymer with N-vinylpyrrolidone.- Polymer Science.- 2015.- V.47.-№3-4.-P. 104-108.
3. Investigation of the destruction of copolymers of poly(ethylene glycol)fumarate with methacrylic acid using differential equation.- Bulletin of the University of Karaganda. – Chemistry. - 2021. – № 3 (103). – P.47–52  
<https://doi.org/10.31489/2021Ch3/47-52>
4. Synthesis and characterization of isoniazid immobilized polylactide-co-glycolide nanoparticles Bulletin of the University of Karaganda. – Chemistry. - 2021. – № 1 (101). – P.61–70  
<https://doi.org/10.31489/2021Ch1/61-70>
5. The use of differential calculation methods for the destruction of copolymers of polyethylene glycol fumarate with the acrylic acid. Bulletin of the University of Karaganda. – Chemistry. - 2020. – № 3 (99). – P.4–10  
<https://doi.org/10.31489/2020Ch3/4-10>
6. Materialy VII Mezinarodni conference Proceedings of the VIII international symposium on specialty polymers .-Abstracts of the V-th International scientific conference.- 23-25 August 2019.- P.114.

### Participation in the implementation of scientific projects

Performer of the project of fundamental and applied scientific research on the topic: "Creation of technology for obtaining new superhydro-sorbents, ion exchangers and construction materials based on copolymers of polypropylene glycol maleate, polypropylene glycol maleate phthalate" for 2015-2017).

### Membership in professional scientific organizations

### Awards and titles

1. Processes and apparatus of chemical and pharmaceutical production
2. Biochemistry
3. Extraction preparation technology

### Courses

### Professional and scientific interests

physics and mechanics of polymers and polymer composite materials, interaction of polymers and interpolymer complexes with colloidal dispersions, structure and properties of thin nanostructured polymer films, application of polymers and multicomponent polymer structures in medicine, agriculture and ecology

### SCIENTIFIC DATABASES IDENTIFIERS

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**RSCI:**

**Author ID Scopus:** 8633331200