

## PORTFOLIO

### **Gulmira Minbayevna Abyzbekova**

Candidate of Chemical Sciences, Senior Lecturer of the Department of Biology, Geography and Chemistry, Head of the Scientific and Educational Center for Chemical and Biological Research named after T.D.Kuanyshbayev

E-mail: abizgul@mail.ru

### **Education**

1987-	Kyzylorda Pedagogical Institute	Specialty "Biology and additional
1992	named after Korkyt Ata	specialty "Chemistry"
1993-	Kyzylorda Pedagogical	Postgraduate degree in specialty
1994	Institute named after Korkyt Ata	02.00.03 - "Organic Chemistry"
1994-	Al-Farabi Kazakh State	
1997	University	

**Research Interests / Research Area** – Organic Chemistry, Chemical Education, Green Chemistry, Environmental Education, Environmental Chemistry, Nanochemistry

### **Awards, prizes, nominal scholarships of national and international scale**

- 2009 Winner of the state grant "The best university teacher-2008";
- 2009 Scholarship holder of the international Bolashak program, scientific internship in the specialty "Petrochemistry", Japan;
- 2012 Medal in honor of the 75th anniversary of Korkyt Ata KSU for significant contribution to the development of the university;
- 2001 г., Letter of thanks from the Rector of the University;
- 2003 г.
- 2021 г.
- 2007 г., Letter of thanks from Akim of Kyzylorda region;
- 2021 г
- 2008 г., Letter of thanks from the Head of the Shieli District Department of
- 2019 г. Education;
- 2016 г. Letter of thanks from the Branch of the Nur Otan Party;
- 2017 г. Gold medal "Korkyt Ata";
- 2019 г. Honorary diploma of the Minister of Education and Science of the

Republic of Kazakhstan Aimagambetov K.;  
2021 г. Winner of the medal "The best teacher of the KU named after Korkyt  
Ata-2021"

### Scientific publications

- Esterification of isovaleric acid with L-menthol under microwave irradiation. Proceedings of the National Academy of Sciences of the Republic of Kazakhstan. Chemistry and Technology Series. No. 3. 2015 Volume 3, Number 411 (2015), 34-39. Co-authors: G.Maratkyzy , N. O. Appazov, G. Zh. Zhaksylykova, H. A. Suerbayev
- The digitalization of training of bachelors - The future science teachers. IOP Conference Series: Materials Science and Engineering.-2020.-Vol.915,Is.1. - Art. № 012018. Co-author.:Gilmanshina S.I, Gilmanshin I.R, Galeeva A.I. Scopus. <https://iopscience.iop.org/article/10.1088/1757-899X/915/1/012018>;
- Digitalization of education: Transformation of a natural science experiment. IOP Conference Series: Materials Science and Engineering. -2020. -Vol.915, Is.1.- Art. № 012050. Co-author.: Sagitova R.N, Gilmanshina S.I, Gilmanshin I.R,Galeeva, A.I. Scopus <https://iopscience.iop.org/article/10.1088/1757-899X/915/1/012050>
- Digital educational environment: Training future teachers to design additional education IOP Conference Series: Materials Science and Engineering. -2020. - Vol.915,Is.1.-Art.№ 012017. Co-author.: Gilmanshina S.I, Minnakhmetova V.A, Gilmanshin I.R, Galeeva, A.I. Scopus. <https://iopscience.iop.org/article/10.1088/1757-899X/915/1/012017>
- Bentonitti saz suspensiasyn bettik belsendi polymerlerman flocculationlau. Korkyt Ata atyndagy Kyzylorda universitetinin KHABARSHYSY No.1 (56) 2021 116-124 b. Authorlyk birlestikte: Balykbaeva G.T., Tapalova A.S., Espenbetova Sh.O., Arynova K.Sh.;
- Competence-based approach in higher pedagogical education. Korkyt Ata atyndagy Kyzylorda universitetinin KHABARSHYSY No.2 (57) 2021 243-253 b. Authorlyk birlestikte: Espenbetova Sh.O., Arynova K.Sh., Balykbaeva G.T.
- Green chemistry is the key to sustainable development. BULLETIN of the Korkyt Ata Kyzylorda University No.2 (57) 2021 100-105 p. Co-author.: Ongar D.K., Tapalova A.S.,Espenbetova S.O.,Arynova K.Sh ., Balykbaeva G.T.
- «Inorganic chemistry problem-based learning». BULLETIN of the Korkyt Ata Kyzylorda University No.3 (57) 2021 63-73 p. Co-author.: Balykbaeva G.T., Tapalova A.S., Abyzbekova G.M., Espenbetova Sh.O., Arynova K.Sh.
- Copyright certificate No. 22472. The method of obtaining chips from melon. December 20, 2021 Co-author: Kosanov S.U.
- The Problem of Continuity in Teacher Education in a Complex World. ARPHA Proceedings 5: 1863-1880. doi: 10.3897/ap.5.e1863. ARPHA Proceedings 5: VII International Forum on Teacher Education. Co-author.: Zh. Zholdasbayeva, S.I.Gilmanshina. <https://ap.pensoft.net/article/24448/>

- Sorption water purification from heavy metal ions using bentonite/Bulletin of NAS RK No.2,2022 Balykbayeva G.T., Iliasova G.U., Darmaganbet K.X., Abyzbekova G.M., YespenbetovaSh.O.
- Patent for the invention of the Russian Federation. Anti-inflammatory eye drops for domestic and farm animals. Application no. 2022101755/04(003717) 26.01.2022. Co-authors: Galkina I.V., RU, Abzhalelov B.B., KZ, Kuzhamberdieva S.Zh., KZ, Kosanov S.U., KZ, Appazov N. KZ, Tapalova A. S., etc.

## **Textbook**

- Free radical processes in oil refining and petrochemistry // textbook (in Kazakh). - Almaty: Kazakh University, 2004.-75 P. / Co-authors: H. A. Suerbayev, A. K. Kokanbayev.
- Important sources of information on organic chemistry. Fundamentals of the nomenclature of organic compounds / / Textbook (in Kazakh) - Almaty: Kazakh University, 2004.-97 p. / Co-authors: H. A. Suerbayev, A. K. Kokanbayev.
- Hydroesterification of olefins with carbon monoxide and alcohols in the presence of homogeneous metal-complex catalysts (special workshop) (in Kazakh)// Almaty: Kazakh University, 2005.-50S./Co-authors: H.A.Suerbayev, K.M. Shalmagambetov, T. M. Seilkhanov.
- Hydroesterification of olefins with carbon monoxide and alcohols in the presence of homogeneous metal-complex catalysts (Special workshop): method. the manual// Almaty: Kazakh University, 2005. -50 P./ Co-authors: H.A. Suerbayev, K.M. Shalmagambetov, T.M. Seilkhanov;
- Carboxylation of oxyarenes with alkaline salts of alkyl carbon acids (special workshop). Methodical manual (in Kazakh) // Almaty: Kazakh University, 2005.-34 p. / Co-authors: H. A. Suerbayev, K. M. Shalmagambetov, T. M. Seilkhanov;
- Processing and transportation of oil and gas. Textbook (in Kazakh) // Almaty: Kazakh University, 2005. -212 p. / Co-authors: H. A. Suerbayev, A. K. Kokanbayev;
- Thermal processes of oil refining. Textbook (in Kazakh) // Almaty: Kazakh University, 2005. -78 p. /Co-authors: H. A. Suerbayev, R. N.Nasirov.
- Important petroleum products. Description, application and production: textbook (in Kazakh) // Almaty: Kazakh University, 2006. – 92 p. / Co-author: H. A. Suerbayev.
- Carboxylation of oxyarenes with alkaline salts of alkyl carbonic acids (Special workshop): methodical manual// Almaty: Kazakh University, 2006 - 34 P. / Co-authors: H.A. Suerbayev, K.M. Shalmagambetov, T.M.Seilkhanov.
- Thermal processes of oil refining. Textbook (in Kazakh) // Almaty: Kazakh University, 2006. - 86 p. /Co-author: H. A. Suerbayev.