

## **PORTFOLIO**

### **Balykbaeva Gulzhan Tolepbergenkyzy**

Candidate of Chemical Sciences, Senior Lecturer

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### **Education**

1994 Al-Farabi Kazakh National State University Chemist, chemistry teacher

### **Scientific interests / Field of scientific research**

- Application of modified natural sorbents in water purification and disinfection
- Contextual learning in higher chemical and pedagogical education

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

1. Balykbaeva G. T., Tapalova A. S., Abyzbekova G. M., Espenbetova Sh. O., Arynova K. Sh. Flocculation of bentonite clay suspension by surface-active polymers. Bulletin of the Korkyt Ata Kyzylorda University No. 1 (56) 2021 pp. 116-124.

2. Abyzbekova G. M., Espenbetova Sh. O., Arynova K. Sh., Balykbaeva G. T. Competence approach in higher pedagogical education. Bulletin of the Korkyt Ata Kyzylorda University No.2 (57) 2021 pp. 243-253.

3. Abyzbekova G.M., Ongar D.K., Tapalova A.S., Espenbetova S.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

4. Balykbaeva G.T., Tapalova A.S., Abyzbekova G.M., Espenbetova Sh.O., Arynova K. Sh. "Inorganic chemistry of problem-oriented learning". BULLETIN OF the Korkyt Ata Kyzylorda University No. 3 (57) 2021 63-73 p.

5. Balykbayev G.T., Ilyasova G.U., Darmaganbet K.H., Abyzbekova G.M., Espenbetova Sh.O. Sorption water purification from heavy metal ions using bentonite / Bulletin of the National Academy of Sciences of the RK No.2,2022

6. Patent Galkina I.V., Abzhalelov B.B., Kuzhamberdieva S.Zh., Kosanov S.U., Abyzbekova G.M., Appazov N.O., Tapalova A.S., Balykbaeva G.T., Espenbetova Sh.O., Arynova K.S. Anti-inflammatory eye drops for domestic and farm animals

### **Course presentations**

- Summer school on criteria assessment for teachers of secondary schools of the Republic of Kazakhstan within the framework of the program developed by the Center for Pedagogical Excellence of AEO "Nazarbayev Intellectual Schools". The Center of pedagogical excellence of AOO "Nazarbayev Intellectual schools"

- "Fundamentals of Chemistry and Biochemistry - Application in chemical Research" Korkyt Ata Kyzylorda State University
- A course of lectures "Methodology, methodology and technology of teaching biology" by lecturer, Professor of the A. I. Herzen Russian State Pedagogical University, Doctor of Pedagogical Sciences N.D. Andreev. Kyzylorda city, Korkyt Ata KSU
- "Analytical chemistry and physico-chemical research methods". Pavlodar Pedagogical University. city of Pavlodar
- Pavlodar Pedagogical University "actual problems of modern chemistry". city of Pavlodar
- "Ecologization of the activities of the educational organization " Eurasian National L. N. Gumilyov University
- "Chemistry of organic, biological and natural compounds". Pavlodar Pedagogical University. city of Pavlodar
- "Digital transformation of education". Korkyt Ata Kyzylorda University
- "Application of innovative educational technologies in distance education". Pavlodar Pedagogical University. city of Pavlodar
- "Ecological and geochemical changes of the biosphere". Tomsk Polytechnic University
- Methodological aspects of teaching the course "Physical and colloidal chemistry and Chemical Technology" Pavlodar Pedagogical University. city of Pavlodar
- Kyzylorda Knowledge Dissemination Center "restoration of saline and degraded irrigated lands and dissemination of best practices in crop cultivation in the Kyzylorda region"
- Neorganic chemistry Cousera
- Cousera's Ogran Chemistry
- Kazakh National Women's Pedagogical University "Modern trends in the development of chemical education"
- New architecture of academic programs of the Innovation and Entrepreneurship University of the National Teacher Online Academy
- The possibilities of using tandem analysis in applied research