



**Iskakova Zhanar Baktybaevna**

Associate Professor at the Department of Chemistry

**Contact details:**

E-mail: [zhanariskakova@mail.ru](mailto:zhanariskakova@mail.ru)

Mobile phone: +7 701 233 27 60

Work phone: 8 (7172) 709 500, 33-204

**Professional activity:**

**Total experience 30 years, production experience – 0.**

Since 2021, Associate Professor of the Department of Chemistry L.N. Gumilyov ENU.

Since 2013, a leading researcher at the Institute of Applied Chemistry, L.N. Gumilyov ENU.

2015-2021 Head of the Science Department of KazUTB.

2015-2020 scientific secretary of KazUTB.

2012-2015 Senior Lecturer, Associate Professor, Professor of the Department of Chemistry, Chemical Technology and Ecology of KazUTB.

2010-2012 Deputy Dean for educational work, for academic work, A. Baitursynov KSU.

2006-2010 Head of the Chemistry Laboratory, Assistant, Senior Lecturer at the Department of Biology and Chemistry, A. Baitursynov KSU.

1991-2006 chemistry teacher in high school, gymnasium.

**Awards:**

"Honorary Worker of Education of the Republic of Kazakhstan", 2020.

"The best teacher-2017", 2018.

Silver medal of JSC "Kazakh University of Technology and Business", 2020.

"The best candidate of Kazakhstan-2020", 2020.

Laureate in the Springer Nature nomination "Top Most Published Scientists of Kazakhstan in the Field of Biological Sciences and Biomedicine", Almaty, 2017.

**Scientific internships:**

Catholic University of Leuven, Belgium, 2018.

**Education, academic degree and title:**

In 1991 she graduated from the chemical faculty of the Karaganda State University. Specialty "Chemistry", qualification "Chemist. Teacher".

In 2009 she defended her thesis for the degree of Candidate of Chemical Sciences in the specialty "02.00.06-High Molecular Compounds".

In 2017 she received the academic title of Associate Professor.

**Scientific interests:**

Chemistry of natural compounds, high-molecular compounds.

**Scientific projects (grants):**

1) Synthesis of a biodegradable agrogel based on chitosan with introduced mineral fertilizers (2021-2022), project manager.

2) Synthesis of biologically active derivatives of the antibiotic roseofungin (2018-2020), performer.

3) Development of biotechnological methods for the preservation of endemic and medicinal plants in vitro (2015-2017), performer.

4) Creation of product samples under the brand "Aromas of the steppes of Kazakhstan" (2012-2014), performer.

5) Phytochemical study of plants in Kazakhstan and Siberia. Creation of modified derivatives based on mono- and sesquiterpenoids, flavanoids and their bioscreening (2012-2014), performer.

6) Creation of a new radioprotector of natural origin (2012-2014), performer.

**Courses taught:**

Polymer production and processing technology.

**Publications (selected):** Author of over 150 scientific publications, of which more than 25 articles in peer-reviewed scientific journals, has 6 patents of the Republic of Kazakhstan, 5 textbooks.

1. Kihanova Zh.S., Iskakova Zh.B., Dzhalmbanbetova R.I., Seilkhanov T.M., Ross S.A., Suleimen Ye.M. Constituents of *Artemisia austriaca* and their Biological Activity // *Chemistry of Natural Compounds*. – 2013. – Vol.49. – Iss.5. – P. 826-827.

2. Sisengaliyeva G.G., Suleimen Ye.M., Ishmuratova M.Yu., Iskakova Zh.B., Van Hecke K. Constituents of *Artemisia tschernieviana* and their biological Activity // *Chemistry of natural compounds*. – 2015. – Vol.51. – Iss.3. – P. 544-547.

3. Zhunusova MA, Suleimen EM, Iskakova Zh.B., Ishmuratova M.Yu., Abdullabekova R.M. Component composition and biological activity of carbon dioxide extracts of *Scabiosa caucasica* and *S. ochroleuca* // *Chemistry of natural compounds*. – 2017. – Vol.53. – No.4. – P. 775-777.

4. Suleimen Ye. M., Sisengaliyeva G.G., Dzhalmbanbetova P.I., Iskakova Zh. B., Ishmuratova M. Yu. Constituent composition and cytotoxicity of essential oil from *Chartolepis intermedia* // *Chemistry of natural compounds*. – 2018. – Vol.54. – No.6. – P. 1177-1179.

5. Suleimen E. M., Sisengaliyeva G. G., Adilkanova A. A., Dudkin R. V., Gorovoi P. G., Iskakova Zh. B., Composition and biological activity of essential oil from *Artemisia keiskeana* // *Chemistry of natural compounds*. – 2019. – Vol.55. – No.1. – P. 154-156.

6. Zhanzhaxina A.Sh., Suleimen Ye.M., Ishmuratova M.Yu., Iskakova Zh.B., Seilkhanov T.M., Birimzhanova D.A., Suleimen R.N. Essential oil of *Pulicaria vulgaris* (prostrata) and its biological activity. Bulletin of the Karaganda University. Chemistry Series. №3(99)/2020. P.44-50.

7. Jalmakhanbetova P.I., Suleimen Ye.M., Eissa I.H., Metwaly A.M., Iskakova Zh.B., Balpanov D.S., Sisengaliyeva G.G., Khannanov R.A., Seilkhanov T.M. Isolation and biological evaluation of Roseofungin and its cyclodextrin inclusion complexes. Bulletin of the Karaganda University. Chemistry Series. №4(100)/2020. P.35-44.