



**Oralbek Ilderbayev**  
Professor

**Contact information:**

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**Professional experience:**

Total experience: 37 years  
2020 – till present – professor of the Department of General biology and genomics.

2014 – till present – head of the laboratory of Cytology and histology, Department of the L.N.Gumilyov ENU.

2014-2020 Director of the educational and laboratory center, L.N.Gumilyov ENU.

1991-2014 – assistant, senior lecturer, associate professor, professor of the State Medical University, Semey.

2000-2005 - Deputy Dean of The pediatric faculty of Semey State Medical University.

1992-1995 – Postgraduate course of Semey state medical University.

**Awards:**

"The best teacher of a higher educational institution – 2008".

"The best teacher of a higher educational institution – 2013".

Certificates, diplomas, letter of thanks, badges of the University level

**Scientific degree, scientific school:**

Doctor of Medical Sciences (pathological physiology - 14.00.16)  
Candidate of Biological Sciences (human and animal physiology - 03.00.13, helminthology – 03.00.20).

**Research interests:**

pneumoconiosis, radiobiology, immunology, stress, harmful environmental factors.

**Grants:**

2008, 2014 – Winner of the state scientific grant for scientists and experts who have made outstanding contributions to the development of science and technology.

2015-2017, 2018-2020 – Scientific grants of the Republic of Kazakhstan for basic research.

**Delivered courses:** human anatomy (B), Genetics (B), Mutation process (M).

**Monographies (9 in total, for the last 5 years):**

Immune and biochemical response of the body to the effects of stress with altered reactivity. Monograph. Nur-Sultan: individual entrepreneur "Bulatov A. Zh." 2020. – 104p.

Immunological and biochemical mechanisms of adaptation of the body to coal dust with altered reactivity. Monograph. Astana: Master Of software, 2017. 228p.

Joint actions of stress factors in the long-term period. Monograph. - Almaty, 2014. – 142p.

**Publications (selected):**

Molecular and immunological changes in blood of rats exposed to various doses of asbestos dust //Cytokine. – **2022**. – T. 159. – C. 156016. (Q3 Web of Science **IF 3.926**)

Prolonged Inhalation Exposure to Coal Dust on Irradiated Rats and Consequences. The Scientific World Journal. Volume **2022**, Article ID 8824275, 9 pages (Percentile-54%).

Study of the immune system under emotional stress // *Febs Open Bio.* – **2021**. – T. 11. – C. 444-444. (Q4 Web of Science **IF 2.792**)

Role of microRNAs in Lung Carcinogenesis Induced by Asbestos. Journal of Personalized Medicine. **2021**, 11(2), 1–23, 97 (Q1).

Evaluation of Lipid Peroxidation under Immobilization Stress in Irradiated Animals in Experiment. Open Access Macedonian Journal of Medical Sciences. **2021**, 9(A), 119-122 (Percentile-48%).

Comparison of the performance of lipoperoxidation-antioxidant protection system in rats at different periods under immobilization stress-effects. Medical journal of the Islamic Republic of Iran. **2021**(6 Sep);35.113 (Percentile-56%).

Remote combined effects of coal dust and high-dose  $\gamma$ -irradiation on immune system changes. Revista genitec-gestaoinovacao e tecnoloias. **2021**, Vol. 11, No. 2. P. 192-203.

Combined effects of radiation and immobilization stress on lipid peroxidation. FEBS Open Bio. **2021**. Vol. 11(Suppl. 1). P.489 (Q3).

A method for diagnosing the combined effects of radiation and stress in the initial stage of the experiment. A patent for an invention. № 34123. Date of registration in the State Register of Inventions of the Republic of Kazakhstan. 14.01.2020.