



Satayeva Gulzipa Egemberdievna,

Associate Professor of the Department of Nuclear Physics, New Materials and Technologies, Faculty of Physics and Technology, L.N. Gumilyov.

Contact information:

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Professional experience:

From 09.1998-08.1990 the head of the circle of the house of pioneers of the Algabass region, Algabassky district, Chimkent region, 08.1990- 06.1995, student of the full-time department of the Faculty of Chemistry of the Kazakh State University. Al-Farabi, Almaty, 12.1995-06.1999, post-graduate student of full-time postgraduate study at the Kazakh State University named after al-Farabi, Almaty, 04.1999-04.2001, junior researcher at the Research Institute of New Chemical Technologies and Materials, Almaty, 09.2001-02.2002, Engineer I- th categories of the department "Technology of oil, gas and polymers" SKSU im. M. Auezova, Shymkent, 02.2002-08.2002 - Associate Professor of the Department of "Naturally Scientific Disciplines" of the South Kazakhstan Pedagogical University, Shymkent, 08.2002-08.2006, Acting Associate Professor of the Department "Technology of Oil, Gas and Polymers" SKSU named after M. Auezova, Shymkent, 08.2006-06.2007 Head of the Department "Technology of Textile and Light Industry" SKSU named after M. Auezova, Shymkent, Senior Researcher, Research Institute "Architecture and Construction", Shymkent, 01.2007-06.2008; Senior Researcher, Scientific Research Institute "Architecture and Construction", Shymkent, 11.2008-06.2009 Associate Professor of the Department "Technology of Oil, Gas and Polymers" SKSU named after M.

Scientific degree, title, scientific school:

Al-Farabi KazNU, specialty Chemistry, 1995., candidate of chemical sciences (2000), associate professor of the Higher Attestation Commission (2009., Chemical technology). Kazakh National University, Al-Farabi, "Scientific Research Institute of New Chemical Technology and Materials, Institute of Combustion Problems, Scientific Research Institute of Physics and High Technologies"

Scientific interests:

Development of technology for the production of carbon sorbents and catalysts, processing of opal matrices, chemical technology.

Research Grants:

Primary responsibility for research projects:

- 1) "Development of technology for the production of carbon nanostructured sorbents and catalysts based on mineral resources of the Republic of Kazakhstan and the production of carbon nanotubes, nanofibers by catalytic pyrolysis in the presence of methane" (2007-2009)
- 2) "Development of technology for the production of magnetic nanocomposites of iron and manganese" (2010-2012)
- 3) "Development of radiation of composite detectors based on a nanoporous matrix" (2013-2015).

Delivered courses:

Physical and chemical foundations of nanophosphorus production, Membranes and membrane technologies, Nanochemistry, Engineering design in NanoCad, Introduction to the physics of nanosystems, Chemistry.

Publications (selected):

1. Malyukin Y.V., Masalov A.A., Myrzakhmet M.K., Bespalova I.I., Vyagin O.G., Esengali S.R., Sataeva G.E. Composite radiation detectors based on nanoporous matrices. Monograph. Astana, ENU, 2014. 118 p.
2. Myrzakhmet M., Sataeva G., Yessengali S., Kuralbayeva G/Luminescence of nanostructured potassium sulfate crystals. The 17th International Conference on Luminescence and Optical Spectroscopy of Condensed Matter (ICI2014), 804-806pp.
3. Kuralbaeva G.A. Daurenbek N., Myrzakhmet M.K., Kopysheva A.K. Investigation of the spectra of secondary radiation of opal matrices by the method of fiber-optic analysis. Proceedings of the international scientific-practical conference "Modern materials science: experience, problems and development prospects", Almaty, KazNTU named after K.I.Satpaeva, 2015, pp. 228-231.
4. Sataeva G.E., Mukamedkan I.M. Radioindicator methods for studying the processes of moisture movement in porous media. Academic science - problems and achievements XI., 2016., pp. 31-35.
5. Myrzakhmet M., Satayeva G., Seitzhan E., Kuralbayeva G. Luminescence of nanostructured potassium sulfate crystals. Journal of Luminescence, January (169) 2016, P. 804-806.
6. Turmakanbetova A.N., Sataeva G.E. Development of new nanostructured materials based on the SiO₂ sol-gel matrix. Collection of materials of the international scientific conference on student micro-research "International forum. Session 1. "Case study of projects", Kazakh-Russian International University, Aktobe, December 22, 2017, 356-361 pp., ISBN 978-601-7441-20-3.
7. Sarsekhan G.Y., Sataeva G.E. Physicochemical methods of obtaining carbon nanocomposite polymer films and the study of their structural properties. Collection of materials of the XIII International Scientific Conference of Students and Young Scientists "Science and Education - 2018", April 12, 2018, 686-689 pages, ISBN 978-9965-31-997-6.
8. Myrzabekova Zh.T., Sataeva G.E. Investigation of the electrophysical properties of nanocarbon composite polymer materials. Collection of materials of the international scientific conference on student micro-research "International forum. Session 1. "Case study of projects", Kazakh-Russian International University, Aktobe, December 22, 2017, pp. 324-329, ISBN 978-601-7441-20-3.
9. Myrzakhmet M.K., Sataeva G.E. and others. Type of copyright object: "Database". Certificate of entering information into the state register of rights to objects protected by copyright. The name of the object: "Themes of master's theses-2018", No. 261 dated October 23, 2018.
10. Sarsenov A.M., Bishimbaev V.K., Saginaev A.T., Zatelbai U., Sataeva G.E. Development of physicochemical methods for determining the components of an

<p>Auezova, Shymkent, 09.2012 Associate Professor of the Department of Nuclear Physics, New Materials and Technologies, Nur-Sultan.</p>	<p>aqueous solution. Bulletin of Atyrau University of Oil and Gas, 2018, p. 54-59. 11. A.M. Sarsenov, M.K. Myrzakhmet, G.E. Sataeva, M.A. Sarsenova, M.E. Umerbaeva. Problems of spectrophotometric analysis of lithium in the ultraviolet region. Bulletin AUNG, 2019, No. 3 (51)., 138-144p. 12. Seitzhapar N.G., Satanova B.M., Kitzhan A.A., Sataeva G.E. Weatherability of polymer nanoparticles. "GYLYM JÁNE BILIM - 2020" XV International Scientific Conference of Students and Young Scientists. -10 April 2020, Nur-Sultan. -285-287 p.</p>
<p>Awards and prizes awarded. In 2009, she participated in the competition of the President of the Republic of Kazakhstan "Bolashak Program", received a scholarship and visited Japan on an industrial trip in the field of nanotechnology (January-March 2009).</p>	<p>In 2014, she was awarded the Rector's Certificate of Honor for her contribution to the development of science. In 2016, he was awarded the Rector's Certificate of Honor in honor of the Independence Day of the Republic of Kazakhstan and for his significant contribution to the development of science. In 2018, on the occasion of the Independence Day of the Republic of Kazakhstan and for his significant contribution to the development of the higher education system, upbringing of the younger generation, he was awarded the Rector with the "Certificate of Honor". In 2019 the project "Introduction of gas-thermal technologies into production" was presented In 2020, he became the winner of the republican competition "The Best Candidate of Sciences of Kazakhstan - 2020", was awarded the badge "The Best Candidate of Sciences of Kazakhstan - 2020", certificate No. 0173 and Diploma of I degree No. 00488. In 2020, she participated in the republican competition "The Golden Book of Kazakhstan Teachers", became the winner, was awarded the "Golden Breastplate of Kazakhstan Teachers", certificate (No. 00219) and Diploma of the 1st degree No. 00219. 2012 to 2020 under the program of a bilateral diploma between universities MISiS worked as a coordinator at the Eurasian National University L.N. Gumilyov. For active participation, she was awarded a letter of gratitude from the management of the MISiS University on November 20, 2020</p>