



**Dinara Bekmukhanbetova**

*Associate professor of the International Department of Nuclear Physics, New Materials and Technologies*

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**Scientific degree, title, scientific school:**

Candidate of technical sciences, Associate professor  
Al-Farabi Kazakh National university. Chemistry department.

**Scientific interests:**

Nanotechnology, nanochemistry, colloidal chemistry and ecology.

**Research Grants :**

2007-“Occupational and Environmental Health Management for Sustainable Development” organized by Japan International Cooperation Agency under the International Cooperation Program of the Government of Japan.

Erasmus+Ka107 Action Project, Silesian University of Technology (SUT).  
Mobility of staff between EU and partner country, 2018

**Professional experience:**

2015-till present -associate professor of the Department of Nuclear Physics, New Materials and Technologies of the L. N. Gumilyov Eurasian National University;  
2002-2011гг. – associate professor of M Auezov South Kazakh State university.

**Delivered courses:** Physical chemistry of solids, Nanochemistry, Fundamentals of nanotechnology, Spectroscopic methods of analysis of materials.

**Author’s courses:**

Nanochemistry, Fundamentals of Nanotechnology

**Publications (selected):**

1. D.B. Bekmukhanbetova, B.S. Ulasbek (2020) Radiation-resistant magnetic field sensors based on arsenide nanoheterostructures. Seventh scientific and practical conference: "Science and education in the modern world: Challenges of the 21th Century, 2020", Nur-Sultan: 92-96.
2. D.B. Bekmukhanbetova, A. Zh. Khamzin (2019) Alternative versions of transformer oils instead of traditional ones. KazUTB Bulletin. Nur-Sultan: 68-73.
3. D. Bekmukhanbetova (2018). Certificate of entry of information into the state register of rights to objects protected by copyright. Topic of master's theses -2018
4. D. Bekmukhanbetova (2018) Investigation of the modifiers effect on the physical and mechanical properties of nano-modified building materials. Academic science-problems and achievements XVII. vol. 2. North Charleston, USA: 101-104
5. D. Bekmukhanbetova (2017) Aging effects of porous glasses with embedded materials. Bulletin 2 (120) of Vestnik KazNRTU: 308-311
6. D. Bekmukhanbetova (2015) Textbook. Climate change. Editions du JIPTO (France)
7. D. Bekmukhanbetova (2013) Process development of extraction of chromium from natural and industrial waters using extractant of sulfate industrial methyl-3-alkylammonium: Science and World.-2013. -5.
8. D. Bekmukhanbetova, M. Sataev (2009) A way of water-soluble polyelectrolyte obtainment: Bulletin № 2 «Industrial property»,45-47.
9. D. Bekmukhanbetova (2008) Investigation of influence of new water-soluble polyelectrolyte OSAN on the structurization and stability of clay suspension. Scientific journal Science and education of the south Kazakhstan 8: 37-40.
10. D. Bekmukhanbetova. (2008). New materials of polyfunctional action. Edition: Bulletin of KazNU: 51-52
11. D. Bekmukhanbetova (2002): Rational usage of natural resources and utilization of wastes of industrial manufacture of Kazakhstan Republic: International conferences: 32-34.

**Awards:**