



Lecturer of International Department Of Nuclear Physics, New Materials And Technologies, L.N. Gumilyov Eurasian National University

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Experience:

2017-2018 Lecturer at the International department "Nuclear Physics, New Materials and Technologies", L.N. Gumilyov ENU.

2018-2021 PhD student at the L.N. Gumilyov ENU, specialty "Nuclear Physics".

Since 2021, Lecturer at the International department "Nuclear Physics, New Materials and Technologies", L.N. Gumilyov ENU.

Scientific degree, Scientific School:

L.N. Gumilyov Eurasian National University, bachelor, 2010-2015;

Ural Federal University named after the first President of Russia B.N. Yeltsin, master, 2015-2017;

L.N. Gumilyov Eurasian National University, PhD, 2018-2021;

Scientific interests:

Experimental nuclear physics, nuclear reactions, heavy ion scattering, nuclear structure, nuclear astrophysics;

Research Grants:

1. Researcher on the topic "Comprehensive research in nuclear and radiation physics, high energy physics and cosmology for the development of competitive technologies" for 2021-2023.

2. Researcher on the topic "Experimental and theoretical studies of nuclear reaction yields for systems $^{15}\text{N} + ^{11}\text{B}$ and $^{15}\text{N} + ^{16}\text{O}$ at low energies" for 2018-2020

Publications (selected):

1. Artemov S. V., Yarmukhamedov R., Burtebayev N., Karakozov B. K., Ergashev F. Kh., Maulen Nassurlla, Igamov S. B., Amangeldi N., Morzabayev A., Burtebayeva J., Zhdanov V. S., **Yergaliuly G.**, Piasecki E., Rusek K., Sakuta S. B., Demyanova A., Tojiboev O. R., Trzcińska A., Sabidolda A., Khojayev R., Tursunmakhatov K. I., Marzhan Nassurlla, Wolińska-Cichocka M., Sadykov T. Kh., Saduyev N. Asymptotic normalization coefficient for $^{12}\text{C} + \text{p} \rightarrow ^{13}\text{N}$ from the $^{12}\text{C}(^{10}\text{B}, ^9\text{Be})^{13}\text{N}$ reaction and the $^{12}\text{C}(\text{p}, \gamma)^{13}\text{N}$ astrophysical S factor //The European Physical Journal A. – 2022. – Vol. 58. – №. 2. – P. 1-17. <https://doi.org/10.1140/epja/s10050-021-00652-z>

2. **Yergaliuly G.** et al. Effect of thickness and reaction media on properties of ZnO thin films by SILAR //Scientific reports. – 2022. – Vol. 12. – №. 1. – P. 1-13. <https://doi.org/10.1038/s41598-022-04782-2>

3. Marzhan Nassurlla, N. Burtebayev, B.K. Karakozov, S.B. Sakuta, I. Boztosun, N. Amangeldi, A.K. Morzabayev, **G. Yergaliuly**, D.K. Alimov, J. Burtebayeva, MaulenNassurlla, B. Mauvey, Y. Kucuk, Sh. Hamada, A. Sabidolda, R. Khojayev. New measurements and analysis of elastic scattering of ^{13}C by ^9Be nuclei in a wide energy range//The European Physical Journal A. – 2021. – Vol. 57. – №. 7. – P. 1-9. <https://doi.org/10.1140/epja/s10050-021-00539-z>

4. N. Amangeldi, N. Burtebayev, S.B. Sakuta, Marzhan Nassurlla, J. Burtebayeva, Maulen Nassurlla, **G. Yergaliuly**, A. Sabidolda, K. Rusek, A. Trzcinska, M. Wolinska-Cichocka, B. Mauvey. Study of elastic scattering of ^{10}B ions on ^{12}C nuclei at the energy of 17.5 MeV// Acta Physica Polonica B. – 2020. – Vol.51. – №.3. – P. 757-762. [DOI:10.5506/APhysPolB.51.757](https://doi.org/10.5506/APhysPolB.51.757)

5. Amer A. H., Penionzhkevich Y. E., **Yergaliuly G.** Analysis of the $^{28}\text{Si}(\alpha, \alpha)^{28}\text{Si}$ elastic scattering at energies from 12.7 to 50.5 MeV //Journal of Physics: Conference Series. – IOP Publishing, 2020. – Vol. 1690. – №. 1. – P. 012027. [doi:10.1088/1742-6596/1690/1/012027](https://doi.org/10.1088/1742-6596/1690/1/012027)