



**Gulnar Bazarbayeva**

Candidate of Pedagogical Sciences  
Associate Professor of the Department of  
Higher Mathematics, Faculty of  
Mechanics and Mathematics, L.N.  
Gumilyov Eurasian National University  
Contact details:  
e-mail: gulnbaz@mail.ru

**Academic degree and title, scientific school:**

Candidate of Pedagogical Sciences, specialty  
"13.00.02-theory and methodology of teaching and  
upbringing (mathematics)";  
Associate professor;  
Al-Farabi Kazakh National University, Faculty of  
Mathematics;  
KazNPU named after. Abaya  
Corresponding member of the International  
Academy of Informatization

**Scientific interests:**

Theory and methodology of teaching and educating  
mathematics, innovative problems in the activity of  
a mathematics teacher, differential equations.

**Research grants:**

2012-2014. - VNS in the program of the Ministry  
of Education and Science of the Republic of  
Kazakhstan: «Modeling and development of an  
information and didactic system in the context of  
globalization of education».  
2008. - Programs of fundamental and applied  
research of the Ministry of Education and Science  
of the Republic of Kazakhstan: «Technologies and  
equipment of high-speed» means of communication  
based on situational examples for three different  
model functions».  
2011 - Program of the Ministry of Education and  
Science of the Republic of Kazakhstan:  
«Development of a scientific concept for building  
computing systems with parallel architecture, the  
ability to program applied tasks for use in various  
fields».

**Professional experience:**

2004 – present Associate Professor of the  
Department of Higher Mathematics of the  
L. N. Gumilyov ENU;  
1988-2004 software engineer, teacher,  
senior lecturer, associate professor and  
head of the Department of the Arkalyk  
State Pedagogical Institute named after I.  
Altynsarin;  
1982-1988. Economist of the Institute  
"Soyuzorgtekhvodstroy", Almaty;  
1979-1982 Engineer of the ASPU  
Research Institute under the State Planning  
Committee of the Kazakh SSR, Almaty

**Courses taught:**

Mathematics, mathematical literacy,  
Higher Mathematics

**Publications (selected):**

1. Higher mathematics. A short course. Study  
guide. - Almaty: Evero Publishing House, 2014. -  
201 P. (ed.).
2. Fundamentals of Higher Mathematics. - Astana:  
IP «Bulatov A. Zh.», 2016. -315 P. (ed.).
3. Elements of higher mathematics. - Almaty:  
«Bastau», 2016. -360 P. (ed.).
4. Fundamentals of higher mathematics. - Astana:  
Publishing House «Dana», 2018. - 320 p. (ed.).

**Awards:**

Honorary Diploma of the Rector of L.N. Gumilev ENU, 2014, 2019;  
Diploma of the Department of Education of Astana city, the regional Scientific and Practical Center "Astana Daryny"

**Advanced training courses:**

1. Course «Modern pedagogical technologies», Center for Advanced Training «Orleu» of the Ministry of Education and Science of the Republic of Kazakhstan, Almaty: 2017.
2. «Panorama of pedagogical ideas», Center for Advanced Training «Orleu» of the Ministry of Education and Science of the Republic of Kazakhstan, Almaty, 2017:
3. Course «Modern Information and Communication Technologies (ICT) in the industry application», L.N. Gumilev ENU, Nur-Sultan, 2018.
4. Course «digital technologies in the educational process», educational and methodological center «EAGI-Bilim» of the Eurasian Humanitarian Institute, Astana, 2018;
5. The course «Love the future-wings will grow», International Association of Public Associations International Center for Humane Pedagogy, Astana, 2017.

**Community service:**

Curator: groups DB-6, DB-13

5. Higher Mathematics. Part 2./Tutorial. - Astana: ENU, 2018 .-251 P. (ed.).
6. Higher Mathematics. Part 1/tutorial.- Almaty: Evero, 2019. -308 P. (ed.)
7. The use of new innovative teaching technologies in teaching mathematics./ Modern problems of mathematical and computer modeling in the conditions of development of the digital industry of Kazakhstan: materials of the republican scientific and practical conference.-Astana, 2018. p. 10.
8. Preparation of teachers for the development of new pedagogical innovative technologies/ Mathematical education: «State, problems, prospects»: materials of the International Scientific and Practical Conference. - Aktobe: K. Zhubanov ARSU, publishing department «Zhubanov University», 2019. - pp. 360-364.
9. Higher mathematics. Part 1. Electronic textbook. Copyright. Certificate No. 2481. dated 28.03.2019. (ed.)
10. Higher mathematics. Part 2. Electronic textbook. Copyright. Certificate No. 3675. dated 29.05.2019.
11. Elements of analytical geometry. Electronic textbook. Copyright. Certificate No. 2263. dated 13.03.2019.
12. Higher mathematics. A short course. Part 1. Electronic textbook. Copyright. Certificate No. 9991. dated 05.19.2020. (auth.ed.)
13. Higher mathematics. A short course. Part 2. Electronic textbook. Copyright. Certificate No. 10088. dated 22.05.2020. (ed.)
14. Andragogy. Electronic textbook. Copyright. Certificate No. 10016. dated 05.20.2020. (ed.) and so on.
15. "Lesson study" of a research tool as a model for applying STEM directions in mathematics. EURASIAN MATHEMATICAL JOURNAL. - Bulletin of the L.N. Gumilev ENU. Pedagogy. Psychology. Sociology series. – 2022. -№3(140).
16. Organization of independent work of students in higher mathematics with distance learning. Collection of materials of the international scientific conference. "Science, Technology and Innovation". - Kazakh University of Technology and Business. - Astana.– 2022.