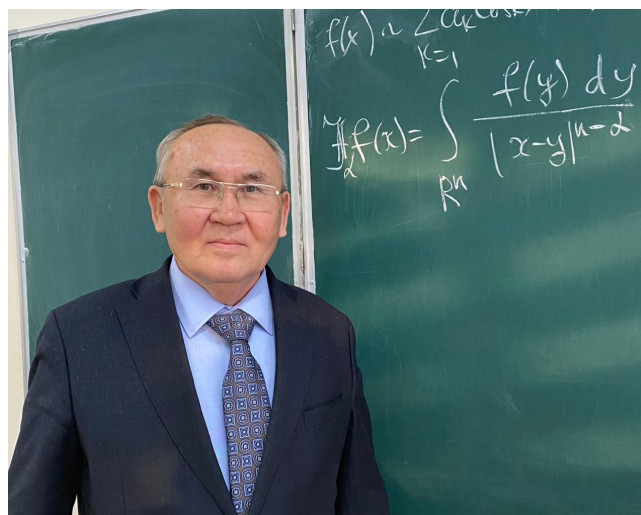


ANNIVERSARIES

Professor Bokayev's Mathematical Olymp: Celebrating the Scholar's 70th Anniversary



The academic community of Kazakhstan honors Nurzhan Adilkhanovich Bokayev, Doctor of Physical and Mathematical Sciences and Professor of the Department of Fundamental Mathematics at L.N. Gumilyov Eurasian National University for his distinguished contributions to the field. His 70th anniversary is a celebration not only for his colleagues and students, but also for the entire mathematical community of our country.

From an early age, having demonstrated remarkable abilities in the exact sciences, Nurzhan Adilkhanovich entered Karaganda State University named after academician Ye.A. Buketov. His years of study (1972–1977) became a time of rapid intellectual growth. For exceptional achievements and devotion to science, Nurzhan Bokayev was awarded the highest distinction of that era – the Lenin Scholarship. This prestigious status was a natural result of his diligence and opened the way to the principal scientific center of a vast country – Lomonosov Moscow State University.

Moscow State University and Menshov school provided Nurzhan Adilkhanovich with a world-class academic foundation. His initial inspiration, passion for function theory, and his introduction to research came from his Karaganda mentor – Doctor of Physical and Mathematical Sciences, Professor Esmukhanbet Saidakhametovich Smailov. It was under Professor Smailov's attentive guidance that student Bokayev began his first serious research. Esmukhanbet Saidakhametovich, a renowned specialist in the theory of embeddings of functional spaces and approximation theory, recognized in the young man a rare analytical talent. The “Teacher–Student” bond between Smailov and Bokayev grew into

many years of fruitful collaboration. Their joint works on functional spaces and multiple Fourier series laid the foundation for what is now known as the Karaganda school of mathematical analysis. It is widely believed that Esmukhanbet Saidakhmetovich played a decisive role in directing Bokayev – an outstanding graduate and Lenin Scholarship recipient – toward postgraduate study at Moscow State University under V.A. Skvortsov. He understood that talent of such magnitude must be shaped by a world-class school, in order to return and advance science in Kazakhstan.

Bokayev's formation as a researcher of international stature is inseparably linked with the Faculty of Mechanics and Mathematics of Lomonosov Moscow State University. There he became a direct successor to the great Moscow school of function theory. His academic advisor was the eminent mathematician, Professor Valentin Anatolyevich Skvortsov. Through his mentor, Nurzhan Adilkhanovich became the scholarly "grandson" of the legendary Dmitry Yevgenyevich Menshov, one of the founders of the Soviet school of function theory. This unique continuity of generations enabled the honoree to master the most complex areas of analysis – fields he continues to develop today.

Professor Bokayev's research is a synthesis of classical rigor and modern perspective. He has made a significant contribution to the study of the uniqueness of function expansions in multiple orthogonal series. Nurzhan Adilkhanovich masterfully adapted classical methods of function theory to contemporary problems of signal processing in functional spaces.

After Moscow State University, his professional journey continued within the walls of his alma mater – Karaganda State University named after academician Ye.A. Buketov. Returning to KarSU named after academician Ye.A. Buketov, he advanced from assistant lecturer to associate professor and then full professor. It was there that he began to introduce the high standards of the Moscow mathematical school, teaching courses in mathematical analysis and specialized courses in function theory. In different years, Nurzhan Adilkhanovich held important administrative positions, including Dean of the Faculty of Mathematics at Karaganda State University named after academician Ye.A. Buketov and editor of the journal "Bulletin of the Karaganda University. Mathematics Series". Under his leadership, the faculty strengthened its standing as one of the leading centers for training mathematicians in the region. During this period, he actively supervised his first postgraduate students, laying the groundwork for the constellation of disciples who today represent Kazakhstan's mathematical science. At present, Nurzhan Adilkhanovich is a member of the editorial board of the journal "Bulletin of the Karaganda University. Mathematics Series" and continues to take an active part in the scientific life of his home university.

His work in Karaganda became a period of building the powerful scientific potential that later led to the defense of his doctoral dissertation and his move to L.N. Gumilyov Eurasian National University in the capital.

Today, working at ENU, Professor Bokayev remains a benchmark of academic ethics. A two-time recipient of the state grant "Best University Teacher," he has educated dozens of students who now work successfully in science and education.

Colleagues value him for his encyclopedic knowledge, and students – for clarity of thought and the ability to inspire a love for the beauty of mathematical logic. For him, mathematics has never been merely a profession, but a calling to which he has remained faithful for half a century.

We congratulate Nurzhan Adilkhanovich on his anniversary! We wish him robust health, inexhaustible inspiration for new achievements, and many years of fruitful work for the benefit of Kazakhstan's science.

*The staff of the Faculty of Mathematics and Information Technologies
of the Karaganda National Research University Academician named after Ye.A. Buketov
and the editorial board of the journal
"Bulletin of the Karaganda University. Mathematics Series"*