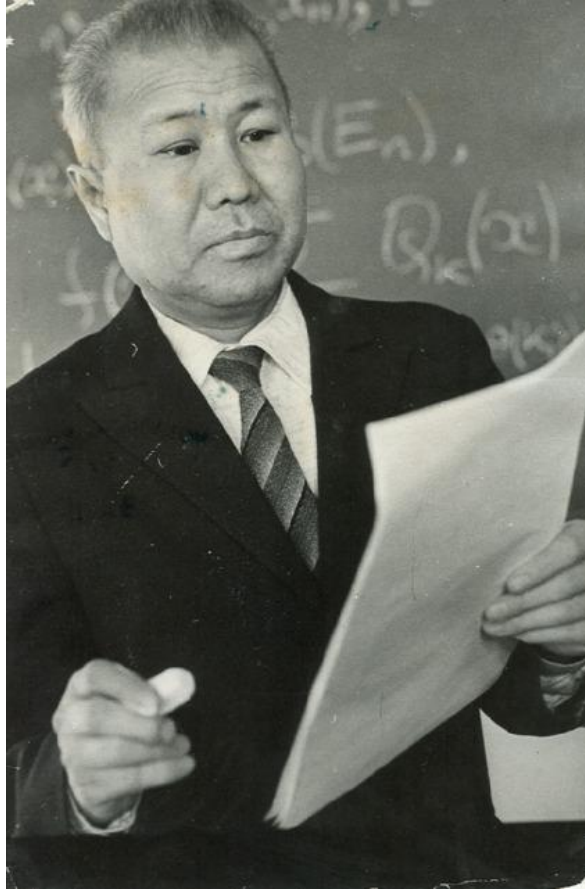


## On the 90th anniversary of Professor Toleubay Idrisovich Amanov



**25.08.1923 – 21.06.1978**

This issue of the Eurasian Mathematical Journal is dedicated to the 90th anniversary of Professor Toleubay Idrisovich Amanov, Doctor of Sciences in physics and mathematics, corresponding member of the National Academy of Sciences of the Republic of Kazakhstan, one of the founders of the theory of functions and functional analysis in Kazakhstan.

Toleubay Idrisovich was born on August 25, 1923 in the aul (village) Kurmanguzha of the Novopokrovsk municipality of the Semipalatinsk district of the Semipalatinsk province. In 1940, he enrolled at the Faculty of physics and mathematics of the S.M. Kirov Kazakh State University. In August 1941 T.I. Amanov was called up to serve in the Soviet Army. In February of 1944, after being heavily wounded, he returned to Semipalatinsk and passed externally state exams in the Semipalatinsk Pedagogical Institute. Through 1944 -1949, T.I. Amanov was a senior lecturer and the Dean of the Faculty of Physics and Mathematics of the Semipalatinsk Pedagogical Institute.

In 1950, he started PhD studies at the Steklov Institute of Mathematics of the Academy of Sciences of the USSR, and in 1953 he gained the PhD degree in physics

and mathematics. Toleubaev Idrisovich was one of the first PhD students of the famous Russian mathematician academician Sergei Mikhailovich Nikol'skii.

From 1953, for 10 years he was working in his capacity as the Head of the Department of Higher Mathematics and Vice-Director in education and science of the Semipalatinsk Pedagogical Institute.

In February 1963, he became for three years a senior research fellow assigned to the Steklov Mathematical Institute where his advisor was again academician S.M. Nikol'skii. In 1967, he gained the degree of Doctor Sciences in physics and mathematics. In 1968, T.I. Amanov was invited to the Institute of Mathematics and Mechanics, Academy of Sciences of the Kazakh SSR as the Head of the Laboratory of Functional Analysis and Theory of Functions.

From 1972 to 1978 until the last days of his life Toleubay Idrisovich was the Director of the Institute of Mathematics and Mechanics. From 1968 to 1978 he was a professor of the S.M. Kirov Kazakh State University.

T.I. Amanov obtained fundamental results in the theory of embedding of function spaces with dominating mixed derivatives and applications to the theory of boundary value problems of elliptic equations. His results were published in the leading Russian and Kazakh mathematical journals. He had many research students. 11 of them gained PhD degrees and some of them later became Doctors of Sciences. His main scientific results were summarized in his monograph "Spaces of differentiable functions with dominating mixed derivatives" (1976) which is still quoted in mathematical literature.

At the initiative of T.I. Amanov the All-Union Symposium on the embedding theorems (1973) and the Soviet-Czechoslovak Symposium on applications of functional analysis in mathematical physics (1976) were held in Alma-Ata. They played an important role in the development of mathematics in Kazakhstan .

Anniversaries of T.I. Amanov are always celebrated by mathematicians of Kazakhstan. 50 years anniversary was celebrated in his lifetime on August 8 of 1973. The Institute of Mathematics and Mechanics, Academy of Sciences of Kazakh SSR held a conference dedicated to this date. Scientific conferences dedicated to the 60th and 70th anniversaries of Toleubay Idrisovich were held in 1983, 1993 respectively, at the Institute of Mathematics and Mechanics; to the 75th anniversary at the E.A. Buketov Karaganda State University in 1998, to the 80th anniversary of the Shakarim Semipalatinsk State University in 2003.

In his native aul and in Semey schools and streets were named after T.I. Amanov.

Recently, through October 3-5, 2013 the international conference "Theory of functions, functional analysis and applications" was held at the Shakarim State University of Semey, dedicated to the 90th anniversary of Toleubay Idrisovich.

More than 150 talks were delivered by mathematicians from several countries. Plenary talks were delivered by corresponding member of the Russian Academy of Sciences Professor O.V. Besov (Moscow), academician of the National Academy of Sciences of the Republic of Kazakhstan Professor N.K. Bliev (Almaty), foreign member of the Crimean Academy of Sciences Professor V.I. Burenkov (Cardiff/Astana), Director of the Institute of Applied Mathematics Professor E.S. Smailov (Karaganda), Director of the Institute of Theoretical Mathematics and Scientific Calculations Professor N.T. Temirgaliev (Astana).

The organizer of this large-scale international event was the Faculty of Physics and Mathematics. Welcoming the participants and many guests the rector of the Shakarim State University of Semey, Professor S.A. Amirbekov said: “This scientific event will serve not only as a tribute to the famous master Professor T.I. Amanov, but will also attract to his area of research young followers in several countries.”

During the conference there was a large exhibition dedicated to the life and work of T.I. Amanov, and there was the presentation of the recently published book “The bright personality”, dedicated to the legendary life of T.I. Amanov, who made a significant contribution to the development of mathematical sciences and mathematical education in Kazakhstan.

On behalf of the Editorial Board

O.V. Besov, V.I. Burenkov, T.Sh. Kalmenov,  
R. Oinarov, M. Otelbaev, E.S. Smailov