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Professor, Department of Fundamental Mathematics, L.N. Gumilyov Eurasian National University (since 2018), Вице президент математического общества тюркоязычных стран (с 2014г.)

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Professor of the Department of Fundamental Mathematics of L.N. Gumilyov Eurasian National University, Astana, Kazakhstan. Vice President of the Mathematical Society of Turkic Speaking Countries (since 2014)

Scientific degree and title (MES RK): Doctor of Science, specialty 01.01.0.- mathematical analysis (1996), PhD in (1985), defended his thesis at Moscow State University. M.L. Lomonosova

Specialty: "01.01.01-mathematical analysis "

Science school Scientific advisers: Corresponding Member of the Academy of Sciences of the USSR, Doctor of Physics and Mathematics D.E. Menchov, Professor of Moscow State University V. A. Skvortsov.

Under my leadership 14 theses are protected: 10 PhD dissertations, 4 Candidates of Physical and Mathematical Sciences dissertations
The holder of the republican grant "The best teacher of the university of Kazakhstan " (2005, 2010),
holder of the International Scientific Grant "INTAS" -1994-1996

Scientific interests:

Function theory and functional analysis, harmonic analysis, Orthogonal series, theory of function spaces, classical integral operators in Morrey-type spaces, the theory of orthogonal series and their applications to signal processing, Walsh and Haar series and their applications to signal processing, wavelet analysis.

Scientific grants (for the last 5 years, participation in the implementation of scientific projects):

1. AP14869887 "Generalized fractional-maximal operator, generalized Riesz and Bessel potentials in function spaces and their applications" (2022-2024, project manager)
1. "Structural and constructive properties of functions of several variables, multiple series in various orthogonal systems and Fourier integrals" (2015-2017) No. 2709 / GF4, project manager
2. "Mathematical models and algorithms for the spectral analysis of signals and images based on orthogonal and wavelet transforms" (project manager 2012-2014).
3. "Study of classes of functions and questions of convergence, summability and integrability of multiple Fourier series and integrals" (project manager 2012-2014)
3. "Mathematical models and algorithms for the spectral analysis of radiation processes according to remote sensing
4. International grant "INTAS" -International Association for the Promotion of Scientists of the CIS (project "Generalized integrals in harmonic analysis and in real analysis" (Project No. 94-1044, 1994-1996, contractor..

Scientific works (favorites):

1. N.A. Bokayev, Zh. Onerbek/On the Boundedness of Integral Operators in Morrey-Type Spaces with Variable Exponents. //Siberian Advances in Mathematics, 2022, Vol. 32, No. 2, -p. 79-86, Q3, DOI: 10.1134/S1055134422020018 (Scopus,)
2. N.A. Bokayev, M.L. Goldman, G.Zh. Karshygina. Criteria for embedding of generalized Bessel and Riesz potential spaces in rearrangement invariant spaces.// Eurasian mathematical journa, Volume 10, Number 2 (2019 (Scopus), 8-29

Professional experience:

Total experience is 36 years

Experience in the field of education and science:

Lecturer, senior lecturer, assistant professor of mathematical analysis at Karaganda State University named by

<p>E.A. Buketov (1984-1996), Head of the Department of Mathematics and Modeling Methods (1996-1999), Dean of the Faculty of Mathematics, KarSU named by E.A. Buketov. (1999 -2005), Professor, Department of Applied and Computational Mathematics and Deputy Dean of the Faculty of Mathematics and Information Technology, L.N. Gumilyov ENU (2005-2009.). Head of the Department of Higher Mathematics, L.N. Gumilyov ENU (2009-2018), professor of the Department of Fundamental Mathematics, L.N. Gumilyov ENU (since 2018)</p>	<p>DOI: https://doi.org/10.32523/2077-9879-2019-10-2-08-29</p> <ol style="list-style-type: none"> 3. Bokayev N.A., Goldman M.L., Karshygina G.Zh. Cones of Functions with Monotonicity Conditions for Generalized Bessel and Riesz Potentials.// Mathematical Notes, 2018, V.104, No 3, 348-363 4. Бокаев Н.А., Гольдман М. Л. Каршыгина Г.Ж. Конусы функций с условиями монотонности для обобщенных потенциалов Бесселя и Рисса. //Математические заметки, 2018, Том 104, вып.3, -С.356-373 5. Bokayev N.,Burenkov V., Matin D. T. On pre-compactness of set in general local and global Morrey-type spaces//Eurasian Math. Journal, 2017.-V.8.-№3. – С.109-115. 6. Bokaev N. A., Burenkov V. Matin D. T. And O sufficient condition for the precompactness of sets in generalized Morrey spaces // Bulletin of Karaganda University. Math series. –Karaganda: KarSU, 2016. -№4. (84) .- P.18-26 7. Bokayev N.,Burenkov V., Matin D. Sufficient conditions for the pre-compactness of sets in global Morrey-type spaces // AIP Conference Proceedings 1880, 030001 (2017); doi: 10.1063/1.5000600. 8. Bokayev N., Syzdykova A. On relation between two classes of functions defined by series with respect to Haar system // AIP Conference Proceedings 1880, 030001 (2017); doi: 10.1063/1.5000600
<p>Awards:</p> <p>The holder of the republican grant "The best teacher of the university of Kazakhstan " (2005, 2010), holder of the International Scientific Grant "INTAS" -1994-1996 Awarded with a badge "For contribution to the development of science in the Republic of Kazakhstan." (2019)</p>	<p>Author's courses:</p> <p>“Fourier series in multiplicative systems”, “Boundedness and compactness of integral operators in spaces of Morrey type.”, “Wavelet analysis and its applications, Lebesgue measure and integral theory.</p> <p>Readable courses</p> <p>Fourier series and integrals, Orthogonal series,, Mathematical processing of signals and images, Walsh and Haar series, Boundedness and compactness of integral operators in Morrey-type spaces, Wavelet analysis and its applications.</p>