**CURRICULUM VITAE**


**AKBOTA ABYLAYEVA**
associate professor in Department of Fundamental and Applied Mathematics of L.N. Gumilyov National Eurasian University.

**Contacts:**
e-mail: abylayeva_am@enu.kz
mob: +7 707 2002980


**Professional experience:**
**Since 2012 to present** she works as senior lecturer, associate professor of Fundamental and Applied Mathematics Department of L.N.Gumilyov ENU,

In **2002-2005 she was a** graduate student of L.N.Gumilyov ENU.

**Awards**:

*2021 - Winner of the "Best University Teacher 2020" competition.*

**Scientific degree, title, scientific school:**
Candidate of Mathematical and Physical Sciences (2007), specialty: «01.01.02 –Mathematical Analysis».
Тема диссертаций: «**ОГРАНИЧЕННОСТЬ И КОМПАКТНОСТЬ ОПЕРАТОРА ДРОБНОГО ИНТЕГРИРОВАНИЯ»**
**PhD doctor (2016),** Lulea University of Technology, Sweden.
Тема диссертаций: **“Inequalities for Some Classes of Hardy Type Operators and Compactness in Weighted Lebesgue Spaces”**

**Scientific interests:**
Theory of integral operators, Functional analysis

**Research Grants:**
Today A. Abylayeva productively engaged in research work with students and undergraduates.
Since 2012 to present she is the head and a member of the working group in the performance of the Contracts:
- Head of scientific project "Development of mathematical model of recognition of Kazakh language hand writer text and its program realization".
- The senior research associate in the project "Qualitative characteristics of singular, integral and differential operators in the classical and quantum analyzes".
- The senior research associate in the project "Investigation of the additive and multiplicative inequalities of Hardy"
She has more than 70 scientific papers which main results are published in scientific editions, in materials of the international scientific conferences.

**Publications** (selected):


1. Весовые неравенство Харди типа дробного порядка // Математический журнал, 2012 г., №3.
2. Критерий компактности оператора дробного интегрирования бесконечно малого порядка // Уфимский математический журнал, 2012 г., №3.
3. On existence of the resolvent and discreteness of the spectrum of a class of differential operators of hyperbolic type // Electronic Journal Qualitative Theory of Diff. Equ., No. 64 (2013), pp. 1-10.
4. Boundedness and compactness of a class of Hardy type operators.// Journal of Inequal. and Appl. (JIA), № 324, 2016. (Impact Factor by Thomson Reuters : 1.47 (2019), 1,202 (5 лет), (квартиль (в категории) Q1, Q2).
5. Additive weighted Lp estimates of some classes of integral operators involving generalized Oinarov kernels. // J. Math. Inequal. (JMI), V.11, № 3, 2017, P.683-694. (Impact Factor by Thomson Reuters : 1.219 (2019), 1,045 (5 лет), (квартиль (в категории) Q1, Q2.)
6. Hardy type inequalities and compactness of a class of integral operators with logarithmic singularities// Math. Inequal. Appl. (MIA), V.21, № 1, 2018, P.201-215. (Impact Factor by Thomson Reuters : 1,51 (2019), 0,978 (5 лет), (квартиль (в категории) Q1.).
7. Весовое дифференциальное неравенство Харди на множестве $\overset{0}{AC}(I)$. Сибирский математический журнал, 2014, Т. 55, № 3. -С.477-493. (impact factor by Thomson Reuters : 0.705 (2019), 0,621 (5 лет), (квартиль (процентиль) Q3).
8. Boundedness, compactness for a class of fractional integration operators of Weyl type. Eurasian Math. J. 7, (2016), No.1, 9 – 27.
9. Boundedness and compactness of the Hardy type operator with variable upper limit in weighted Lebesgue spaces. Math. Inequal. Appl. (MIA), V.23, № 3, 2020, P.805-819. (Impact Factor by Thomson Reuters).