CURRICULUM VITAE

AKHMETKALIYEVA
RAYA DUISENBEKOVNA

Associate Professor of the Department of Fundamental Mathematics of the faculty mechanics and mathematics,
L.N. Gumilyov Eurasian National University.

Contact information: e-mail: akhmetkaliyeva_rd@enu.kz

Education:

2001-2005 Student, Al-Farabi Kazakh National University
2005-2007 Master student, Al-Farabi Kazakh National University
2010-2013 PhD student, L.N. Gumilyov ENU
Advisor: professor Kordan Ospanov

Academic career:
- 2007-2008. Lecturer of the Department of Differential Equations and Mathematical Physics, al-Farabi KazNU
- 2008-2009. Lecturer of the Department of Methods of Mathematical Modeling, L.N. Gumilyov ENU
- 2009-2010. Lecturer of the Department of Advanced Math and Math methodics, L.N. Gumilyov ENU
- 2013-2016. Senior lecturer of the department of Fundamental Mathematics, L.N. Gumilyov ENU
- Since 09.2016 to present time. Acting Associate Professor of the Department of Fundamental Mathematics, L.N. Gumilyov ENU

Scientific degree:
PhD (2014, Kazakhstan)
PhD (2014, Sweden)
Specialty: 6D060100 –Mathematics

Scientific interests:
Differential Equations, Partial Differential Equations

Scientific – research activities :
Take part in the following scientific projects which financed by Ministry of Education and Science of the RK:
- “Quasilinear elliptic system of first order in an unbounded domain” - Junior Researcher
- “Nonlocal estimates for solutions of nonlinear degenerate differential equations and their applications” - Junior Researcher
- Some questions of the theory of non-commutative spaces Hardy - Senior Researcher
- elliptic equations with displacement: Regular and approximate properties of solutions - Senior Researcher
- - Nonlinear elliptic equations with unbounded coefficients - Senior Researcher

Publications:

1. R.D. Akhmetkaliyeva, Maximal regularity of the solutions for some degenerate differential equations and their applications // Doctoral Thesis. Printed by Lulea University of Technology, Graphic Production, Lulea 2018. ISSN: 1402-1544. ISBN 978-91-7790-100-6

2. R.D. Akhmetkaliyeva, On maximal regularity of singular third-order differential equations // Research Report 1, Department of Mathematical Sciences, Lulea University of Technology, Lulea 2018-01

3. R.D. Akhmetkaliyeva, On solvability of third-order singular differential equation // Springer Proceedings in Mathematics & Statistics. «Functional analysis in interdisciplinary applications» – Springer, 2017. – Vol.216. –P.113-119

4. R.D. Akhmetkaliyeva, K.N. Ospanov, Some inequalities for second order differential joerators with unbounded drift // Eurasian mathematical Journal, ISSN 2077-9879, Vol. 6, No.2 (2015), P. 63-74

5. R.D. Akhmetkaliyeva, K.N. Ospanov, L.-E. Persson, P. Wall, Some new results concerning a class of third order differential equations // Applicable Analysis, 2015, Vol. 94, No. 2, 419–434, BD: Thomson Reuters. Impact factor 0.909

6. R.D. Akhmetkaliyeva, K.N. Ospanov, A. Zulkhazhav, Compactness conditions and estimates for the Fredholm radius of the resolvent of the degenerate second order differential operator // AIP Conference Proceedings 1637, 13 (2014); doi: 10.1063/1.4904559. P. 13-17

7. R.D. Akhmetkaliyeva, K.N. Ospanov, Separation and the existence theorem for second order nonlinear differential equation // Electronic Journal of Qualitative Theory of Differential Equations 2012, No. 66, 1-12; BD: Thomson Reuters. Impact factor 0.74. http://www.math.u-szeged.hu/ejqtde/