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Professional experience

Experience in the field of science:
2000-06years - Associate Fellow of the Institute of Mathematics MES RK, Almaty;
2006-08 years - Fellow of the Institute of Mathematics, RK, Almaty;
2008-2012 years - PhD student in the specialty «6D060100-math" of the L.N. Gumilyov Eurasian National University

Experience in the field of education:
2001 to 2002. Lecturer in Mathematics (gymnasium school number 147, Almaty), and prepared students for the Olympics;
2008-2010years worked as a senior lecturer at the department of computer science FMIT of L.N. Gumilyov ENU.

2012-2018 worked as an assistant professor
Department of Higher Mathematics L.N. GumilevENU.
From 03.09. 2018 and currently works at L.N. GumilyovENU., associate professor the chairs of mathematical and computer modeling of L.N. Gumilev ENU.

Scientific degree:
Candidate of Physicaland Mathematical Sciences, Occupation: «01.01.02 –DifferentialEquations and Mathematical Physics", Institute of Mathematics, MES RK, Academic National Academy of Sciencesof KazakhstanN.Bliev.
Scientific titles:
The academic title of associate professor in the specialty physics was conferred. (No. 1373 of August 24, 2018, ДЦ № 0000456)

Scientific interests:
Differential equations, equations of mathematical physics, soliton theory, cosmology

Scientific – research activities:
•Senior Research Fellowin the project "Generalized analytic vectors andtheir applications, the solvability of (1 +1) dimension nonlinear equationsof soliton" (2012-2014., Hands. Project-NKBliev);

• Project manager: "Development of the method $\overline{\partial}$ -problem for finding exact solutions of some nonlinear partial differential equations of the Einstein and Schrödinger type"

• Project leader: "Investigation of generalized nonlinear Schrödinger equations and their integrable reductions" for 2015-17 years.

She has about 85 scientific articles, the main results of which have been published in scientific publications, including 15 articles in foreign journals with high impact factor, 15 articles in foreign journals without impact factor, 10 in periodicals of the Republic of Kazakhstan recommended by the Committee for Monitoring and Certification in the sphere of education and science of the Ministry of Education and Science, and the rest in the materials of international scientific conferences.

Publications (selected):

1. Myrzakul K.R., Martina L., Myrzakulov R, Soliani G. Journal of Mathematical Physics, 2001. V.42, №3, P.1397-1417. [Импакт-фактор= 1.291 за 2010 год]
2. Esmakhanova K.R. and et. all. Dark energy in some integrable and nonintegrable FRW cosmological models// International Journal of Modern Physics D. 2011. – v.20, N12. –P. 2419-2446. [Импакт-фактор= 1.414 за 2010 год]
3. Esmakhanova K.R. and et. all. A note on the relationship between solutions of Einstein, Ramanujan and Chazy equations //International Journal of Theoretical Physics. 2012. –v.51, N4. –P. 1204-1210.[Импакт-фактор= 0.67 за 2010 год]
4. Esmakhanova K.R. and et. all. G-essence as the cosmic speed-up// Astrophysics and Space Science, (accepted), 2012. [Импакт-фактор=1.437]
DOI: 10.1007/s10509-012-1104-8
5. Yesmakhanova K.R., Abzhanov A.K., Malibekova M.S., Musina N.F. Реализацияоткрытогодистанционногообразования// 8th International Conference Comparative Education and teacher training, Bulgaria, Plovdiv, 9-12 June 2010, p.