

ANVAR REYIMBERGANOV

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EDUCATION

BSc, Applied mathematics and computer science	1998-2002
Urgench state university, Uzbekistan	
MSc, Mathematics	2003-2005
Urgench state university, Uzbekistan	
PhD, Differential equation	2006-2009
Urgench state university, Uzbekistan	

RESEARCH ACCOMPLISHMENTS

Scientific Project: Creation of a mathematical model of food security and logistics in the Khorezm region

PhD Thesis Project: *Integration nonlinear Schrodinger equation with a self-consistent source*

Masters Thesis Project: *Integration modified Korteweg-de Vries equation with a self-consistent*

EXPERIENCE

Head of department	2024 - Current
Urgench state university, Uzbekistan	
Head of department	2020 - 2024
Department of Mathematical Engineering, Urgench state university, Uzbekistan	
Managing Director	2017 - 2020
Tashkent University of Information Technology, Urgench, Uzbekistan	
Head of department	2013 - 2017
Department of Computer Engineering, Tashkent University of Information Technology, Urgench, Uzbekistan	
Assistant Professor	2011 - 2013
Department of Applied mathematics, Urgench state university, Uzbekistan	
Lecturer	2009 - 2011
Department of Applied mathematics, Urgench state university, Uzbekistan	

SKILLS

Numerical Mathematics | Engineering, Applied and Computational Mathematics | Programming

TEACHING EXPERIENCE:

Undergraduate level: Mathematical Analysis, Differential equations, Mathematical Physics, Numerical methods, Operation Research, Programming.

Postgraduate level: General numerical methods, Mathematical Physics, Numerical methods for PDE

CERTIFICATIONS

- **Course Certificate**, Educational Quality Management, Institute for retraining and professional development of higher education personnel, Uzbekistan, 2021

- **Course Certificate**, Introduction to HTML5, University of Michigan, 2020
- **Course Certificate**, Introduction to HTML5, INTUIT National Open University, 2016
- **Course Certificate**, E-Government, Tashkent University of Information Technology, 2016

INTERNSHIP

Mathematical Engineering, University Santiago de Compostela, Spain, 2022

SCIENTIFIC PUBLICATIONS:

1. Kh. Karshiboev, F. Atamurotov, A. Abdujabbarov, Ali 'Ovgun, A. Reyimberganov. Exploring the shadow of a rotating charged modmax black hole. Communications in Theoretical Physics, 76(2):025401, 2024. 10
2. B. Yu Palvanov, S.K. Jafarov, A.A. Reyimberganov. Mathematical model and calculation algorithm of wastewater treatment technological process. 1(05.05):302–306, 2023.
3. A. Reyimberganov. Integration of the nonlinear schrodinger equation with a self-consistent source and nonzero boundary conditions. International Journal Applied Mathematics, 36 (3), 2023.
4. G.U. Urazboev, A.A. Reyimberganov, I.D. Rakhimov. Numerical solution of the system of marchenko integral equations. Uzbek Mathematical Journal, 65(3):pp–159, 2021.
5. G.U. Urazboev, A.A. Reyimberganov, A. Baymankulov. Plane waves on shallow polluted waters. 3i: intellect, idea, innovation, (2):54–59, 2021.
6. G.U. Urazboev, A.A. Reyimberganov, A. Babadjanova. Integration of the matrix nonlinear schrodinger equation with a source. Известия Иркутского государственного университета. Серия: Математика, 37:63–76, 2021.
7. A. Reyimberganov , I. Rakhimov. The soliton solutions for the nonlinear schrodinger equation with self-consistent source. Известия Иркутского государственного университета. Серия: Математика, 36:84–94, 2021.
8. A. Reyimberganov, I. Rakhimov. The soliton solutions for the nonlinear schrodinger equation with self-consistent source. Известия Иркутского государственного университета. Серия: Математика, 36:84–94, 2021.
9. G.U. Urazboev, A.A. Reyimberganov, I.D. Rakhimov. The soliton solutions for the nonlinear schrödinger equation with self-consistent sources. 242–244, 2021.
10. A. Рейимберганов and И. Рахимов. Численно-аналитические решения нелинейного уравнения Шредингера. Таврический Вестник Информатики и Математики, 46(1):80–92, 2020.
11. G.U. Urazboev, A.A. Reyimberganov, I.D. Rakhimov. Numerical solution of the system of marchenko integral equations. 66, 2019.
12. A. Reyimberganov, O. Karimov. On the discrete nonlinear schrödinger equation with a self-consistent source. 29–30, 2019.
13. A. Khasanov, A. Reyimberganov. On the height order nonlinear Schrödinger equation with a self-consistent source. 230, 2011.
14. A. Khasanov, A. Reyimberganov. About the finite density solution of the higher nonlinear schrodinger equation with self-consistent source. Ufimskii Matematicheskii Zhurnal, 1(4):133–143, 2009.