



PHYSICS-MATHEMATICS FACULTY

FULL NAME	Abdikarimov Fakhridin
POSITION	Lecturer
TEL:	+998919923355
E – mail:	faxriddin@urdu.uz
ORGANIZATION TEL:	+99862 2246700
ORGANIZATION ADDRESS:	Urgench city Khamid Alimjon street 14, 220100

EDUCATION AND TRAINING	<ul style="list-style-type: none"> • 2009-2013 Urgench State University (Bachelor Degree) • 2013-2015 Urgench State University (Master's Degree)
MAIN ACTIVITIES AND RESPONSIBILITIES	<ul style="list-style-type: none"> • 2014-2015 Inspector, Department of Marketing, Urgench State University • 2015-2022 Lecturer, Department of Applied Mathematics and Mathematical Physics, Physics-mathematics faculty, Urgench State University • 2022-p. Phd student of Khorezm Mamun Academy
SPECIALITY	<ul style="list-style-type: none"> • Mathematics
TEACHING SUBJECTS	<ul style="list-style-type: none"> • Ordinary differential equations, equations of Mathematical Physics
RESEARCH AREAS OF INTEREST	<ul style="list-style-type: none"> • Integration of loaded nonlinear evolution equations with partial derivatives of integer and fractional order
PUBLICATIONS	<ol style="list-style-type: none"> 1. Babajanov, B., Abdikarimov, F.: Soliton Solutions of the Loaded Modified Calogero- Degasperis Equation. International Journal of Applied Mathematics. 35(3), 381-392 (2022). http://dx.doi.org/10.12732/ijam.v35i3.2 2. Babajanov, B., Abdikarimov, F.: Expansion Method for the Loaded Modified Zakharov-Kuznetsov Equation. Advanced Mathematical Models & Applications. 7(2), 168-177 (2022). 3. Babajanov, B., Abdikarimov, F.: Solitary and periodic wave solutions of the loaded modified Benjamin-Bona-Mahony equation via the functional variable method. Researches in Mathematics. 30(1), 10-20 (2022). https://doi.org/10.15421/242202 4. Babajanov, B., Abdikarimov, F.: Exact Solutions of the Nonlinear Loaded Benjamin-Ono Equation. WSEAS Transactions on Mathematics. 21, 666-670 (2022). https://doi.org/10.37394/23206.2022.21.78 5. Babajanov, B., Abdikarimov, F.: The Application of the Functional Variable Method for Solving the Loaded Non-linear Evaluation Equations. Frontiers in Applied Mathematics and Statistics. 8, 912674 (2022). https://doi.org/10.3389/fams.2022.912674 6. Babajanov, B., Abdikarimov, F.: Solitary and periodic wave solutions of the loaded Boussinesq and the loaded modified Boussinesq equation. Journal of Mathematics and Computer Science. 30(1), 67-74 (2023). https://doi.org/10.22436/jmcs.030.01.07

7. Babajanov, B., Abdikarimov, F.: New exact soliton and periodic wave solutions of the nonlinear fractional evolution equations with additional term. *Partial Differential Equations in Applied Mathematics*, 2023, 8, 100567. <https://doi.org/10.1016/j.padiff.2023.100567>
8. Abdikarimov F.B., Navruzov K.N., Rajabov S.X., Shukurov Z.K. // Impendant method for determining the reduction of hydraulic resistance in large arterial vessels with permafle walls. // *Journal of Applied Biotechnology & Bioengineering*. // USA. Volume 5 Issue 2 – 2018. // 79-82.
9. Abdikarimov F.B., Abdikarimova F.B., Khasanov T., Abdirimov M., Radjabov A. // Investigation Pulsation Motion of the Liquid in the Flat Channels. // *International Journal of Science and Qualitative Analysis*. Volume 4, Issue 3, May 2018, 69-73. USA New-York.
10. Abdukarimov F.B., Navruzov Q.N., Khujatov N.J. // New way of scoping of a cavity of the left ventricle of heart according to an echocardiography. // *European Science Review*, Vienna, № 2 2014 (March-April), 44-46.
11. Abdukarimov F.B., Navruzov Q.N., Khujatov N.J., Babajanova Y. I // The method of calculating the volume of the cavities of the heart ventricles. // *The USA Journal of Applied Sciences*, Nyu York, № 2, 2015 (March-April), 9-12.
12. Abdukarimov F.B., Navruzov Q.N., Khujatov N.J., Babajanova Y. I // Ultrasonic methods of determining the volume of cavities of ventricles of the heart. // *European Journal of Biomedical and Life Sciences*, Vienna, № 2, 2015 (March-April), 3-7.
13. Abdukarimov F.B., Navruzov Q.N. // Noninvasive method calculating of volume of cavities of the heart according to the echocardiography. // *Biomedical Sciences*, Nyu York, Vol.3, Issue number 1, January 2017.
14. Abdukarimov F.B. // Periodic flows of liquid in a flat tube with a high frequency of oscillation. // *Problems of Mechanics*, Tashkent, № 3-4, 2013, 64-66.
15. Abdukarimov F.B., Navruzov Q.N., Khujatov N.J. // New way of scoping of a cavity of the left ventricle of heart according to an echocardiography. // *International Journal of Applied and Fundamental Research*, Moscow, № 8, 2014, 40-43.
16. Navruzov K.N., Abdikarimov F.B., Rajabov S.X. // Rheological model of structurally heterogeneous blood. // *Problems of Mechanics*, Tashkent, № 4, 2016, 49-52.
17. Navruzov K.N., Abdikarimov F.B. // The method of determining the volume of the cavities of the heart ventricles according to the cubature formula of Simpson. // *Problems of Mechanics*, Tashkent, № 2, 2015, 27-29.
18. Ruzimboy M.M., Sobirov U.M., Yusupov B.B., Abdukarimov F.B. // Matrix analogue of the Gholder and Minkovski inequalities. // *European Science review*, Vienna, №3 2014 (May-June), 40-43.
19. Ruzimboy M.M., Sadoqat B.A., Abdukarimov F.B., Yusupov B.B. // Operator of the analogue of the Cauchy-Bunyakovskii inequality. // *Research Journal of International Studies*, Ekaterinburg, Part 1, № 7, 2014, 5-17.