

CURRICULUM VITAE



PERSONAL INFORMATION

Name, surname	Umida Baltaeva
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E-mail	umida_baltayeva@mail.ru
Nationality	Uzbekistan
Date of birth	26.03.1983
Sex	Female

EDUCATION AND TRAINING

<i>Degree date: 30.09.2019 from 05.12.2015 – to 31.10.2017</i>	Doctor of Science (Physics and Mathematics). National University of Uzbekistan, Tashkent, Uzbekistan. Doctoral thesis: Boundary-value problems for a third-order linear loaded differential and integro-differential equations mixed type.
<i>Degree date: 26.03.2009 from 30.12.2005 – to 03.01.2009</i>	PhD in physics and mathematics (PhD). Romanovskiy Mathematical Institute, Academy of Sciences of Uzbekistan. Ph.D. thesis: Boundary-value problems for the mixed loaded equations of the third order.
<i>from 25.08.2003 – to 01.07.2005</i>	M.S. in Differential equations. National University of Uzbekistan named after Mirzo Ulugbek, Faculty of Mechanics and mathematics, Tashkent, Uzbekistan.
<i>from 25.08.1999 – to 30.06.2003</i>	B.Sc. in Applied Mathematics and Informatics. (With Honours) Urgench State University, Khorezm, Uzbekistan.

WORK EXPERIENCE

<i>from 01.04.2018 – to current</i>	Head of department: Exact sciences, Khorezm Mamun Academy, Khorezm, Uzbekistan.
<i>from 01.11.2017 – to current</i>	Associate professor, Urgench State University, Urgench, Uzbekistan. Department of Applied mathematics.

- from 01.04.2018 – 31.06.2018 **Postdoc Researcher.** Department of Applied mathematics, University of Granada, UGR, Granada, Spain.
- from 05.09.2015 – 31.10.2017 **Senior research – associate (doctorate for defending 2nd degree Dr. of Sciences)** National University of Uzbekistan, Tashkent, Uzbekistan. Faculty of Mathematics, Department of Differential equations and Mathematical physics.
- from 01.11.2014 – 31.08.2015 **Postdoc Researcher.** Mathematical Institute, Georg-August Universität Göttingen, Göttingen, Germany.
- from 25.12.2008 – 02.01.2014 **Ass. professor.** Urgench State University, Khorezm, Uzbekistan. – Department of Applied mathematics and Mathematical physics, Lector of Differential equations, Mathematics physics and Partial differential equations, Integral equations.

Research interests Boundary-value problems, Partial differential & integro-differential equations, hyperbolic and mixed type equations, mathematical physics.

Awards/ Scholarships GRANTS

- 2020 CIMPA-CARMIN project program for visiting Thematic Month on Math. Issues in Biology (February-March, 2020), Marseille, France
- 2018 - 2019 Chief of the grant project for young scientists of the State Committee for Science and Technology: Project: YST-F.tex-2018-142, UZBEKISTAN.
- 2018 IMU-CWM 2018 and EMS-CDC funding for conference CAWMA - 2018 (Uzbekistan).
- 2018 Travel Grant: ICM-2018, Rio-de Janeiro, Brazilia.
- 2017 Coimbra Group Scholarship Programme for Young Researchers 2017-2018, University of Granada (Spain).
- 2017 Travel Grant: Career Development Workshop for Women in Physics at the ICTP from 09 October 2017 to 13 October 2017, Trieste, Italy.
- 2016 IMU-CWM funding for ICCAWMA-2016 (Kazakhstan). "Actual problems in Mathematics and Mechanics in Central Asia" for Region of Central Asia, Almaty, Kazakhstan.
- 2016 Travel Grant: 7th European Congress of Mathematics, July 18 - 22, 2016, Berlin, Germany.
- 2016 - 2017 Grant project for young scientists of the State Committee for Science and Technology: "Boundary value problems for the loaded differential and intergro-differential equations with mixed and mixed-composited types". Project No FY-04-09.UZBEKISTAN.
- 2015 Travel Grant: EWM, 17th general meeting of the European Women in Math, 2015, Cortona, Italy.
- 2015 Travel Grant: Conference of the German Chapter of the European Women in Mathematics, 2015, Marburg, Germany

- 2014 - 2015 *TIMUR, Erasmus Mundus grant, Georg-August Universitat Göttingen, Germany.*
- 2014 *Nanum (TOGETHER 2014 Travel Grant) ICWM 2014 and ICM 2014, Seoul, Korea.*
- 2013 *Visiting fellowship 2013, Visit the Abdus Salam ICTP under the Federation Scheme. Italy.*
- 2012 - 2013 *Chief of the grant project for young scientists of the State Committee for Science and Technology: "Boundary value problems for mixed and mixed-composited loaded equations with spectral parameter". Project No FY4-FA-F03, UZBEKISTAN.*
- 2011 - 2012 *"Kamolot" Scholarship, Award for young scientists UZB. 2011-2012yy.*
- 2010 - 2011 *Chief of the grant project for young scientists of the State Committee for Science and Technology: "Boundary value problems for the differential and intergro-differential equations with third order hyperbolic, parabolic and mixed operators". Project No FY1-FA-F14. UZBEKISTAN.*
- 2007 - 2008 *"Kori-Niyoziy" Scholarship, Award for young scientists UZB. 2007-2008yy.*
- 2007 - 2008 *"University" Scholarship, National University of Uzbekistan.*
- 2002 - 2003 *"The smart student" Scholarship of Urgench State University.*

Organizer

International conference.

- 25 Okt - 6 Nov 2021 *CIMPA School "Complex Analysis, Geometry and Dynamics", Urgench State University & National University of Uzbekistan, Uzbekistan*
- 25 Okt - 26 Okt. 2018 *"Actual Problems Of Mathematics And Mechanics - Meeting for Women Of Mathematicians In Central Asia - CAWMA – 2018" Khiva, Uzbekistan.*
- 15 Dec - 17 Dec 2017 *International Conference "Actual problems of differential equations and their applications" December 15-17, 2017, Tashkent, Uzbekistan.*
- 22 Sept - 23 Sept 2016 *ICCAWMA-2016 "Actual problems in Mathematics and Mechanics in Central Asia" for Region of Central Asia, Almaty, Kazakhstan.*

Memberships

*Uzbek Mathematical Society (Uzbekistan). Society of Uzbekistan young scientists (Uzbekistan).
IMU Committee for Women in Mathematics (CWM, ambassador of Uzbekistan), Central Asian Woman in Mathematics Association (CAWMA, coordinator of Uzbekistan), European Women in Mathematics (EWM, coordinator of Uzbekistan), Organization for Women in Science for the Developing World (OWSD).
International Society of Difference Equations (ISDE).
PhD.03 / 30.12.2019.FM.55.01 Academic Council of Urgench State University.*

MAIN LIST OF PUBLICATIONS

BALTAEVA UMIDA

1. Umida Baltaeva, Yolqin Alikulov, I.I.Baltaeva, A.Ashirova Analog of the Darboux problem for a loaded integro-differential equation involving the Caputo fractional derivative // *Nanosystems: Physics, Chemistry, Mathematics*, 2021, 12(4), P. 418--424.
2. Praveen Agarwal, Umida Baltaeva, Yolqin Alikulov Solvability of the boundary-value problem for a linear loaded integro-differential equation in an infinite three-dimensional domain // *Chaos, Solitons & Fractals* Volume 140, November 2020, 110108. <https://doi.org/10.1016/j.chaos.2020.110108>
3. Umida Baltaeva, Pedro J.Torres Analog of the Gellerstedt problem for a loaded equation of the third order // *Mathematical Methods in the Applied Sciences*, Volume 2019:42, -pp.3865-3876. <https://doi.org/10.1002/mma.5617>
4. Baltaeva U.I., Sharipova Sh.B. Some local problems for the parabolic-hyperbolic type equation involving a Riemann–Liouville fractional differential operator // *Electronic Journal Actual Problems of modern Science, Education and Training*, 2019, Volume 4, pp. 317-323. <http://khorezmscience.uz/en>
5. Praveen Agarwal, Umida Baltaeva, Boundary-value problems for the third order loaded equation with non-characteristic type-change boundaries // *Math. Methods in the Applied Sciences*, Vol.2018: -pp.3307-3315. <https://doi.org/10.1002/mma.4817>
6. Umida Baltaeva, On the solvability of boundary-value problems with continuous and generalized gluing conditions for equation of mixed type with the loaded summand // *Ukrainian Mathematical Journal*, 2018. - Vol. 69, - № 1.- pp. 1845-1854. <https://doi.org/10.1007/s11253-018-1474-3>
7. Umida Baltaeva The loaded parabolic-hyperbolic equation and its relation to nonlocal problems // *Nanosystems physics, chemistry, mathematics*, 2017. 8 (4), -pp.413-419. DOI 10.17586/22208054201784413419.
8. Islomov B., Baltaeva U. Boundary-value problems with generalized gluing conditions for a loaded differential equation with a parabolic-hyperbolic operator // *Bulletin of KRAESC, Physical & Mathematical Sciences*, 2016, № 3(14). Pp. 14-22. ISSN 2079-6641. DOI: 10.18454/2079-6641-2016-14-3-14-22
9. Umida Baltaeva, On some boundary-value problems for a third order equation with the loaded summand // *Uzbek mathematical journal*, 2016. -№ 4. Pp.81-92. <https://uzmj.mathinst.uz/>
10. Islomov B., Baltaeva U. Boundary value problems for a third-order loaded parabolic-hyperbolic equation with variable coefficients // *EJDE. Journal of Differential Equations*, -Vol. 2015, Iss.221, 2015: p.1-10. <http://ejde.math.unt.edu/ftpejde.math.txstate.edu>
11. Umida Baltaeva, Solvability of the analogs of the problem Tricomi for the mixed type loaded equations with parabolic-hyperbolic operators // *Boundary Value Problems*, Volume 2014. 2014:211, p.1-12. <http://www.boundaryvalueproblems.com/content/2014/1/211>
12. Umida Baltaeva, Boundary value problem with continuous gluing conditions for the loaded third order equation mixed type // *Uzbek mathematical journal*, 2014. -№ 3. Pp.40-47. <https://uzmj.mathinst.uz/>
13. Islomov B., Baltaeva U. Boundary Value Problems for the Classical and Mixed Integro-Differential Equations with Riemann-Liouville Operators. // *International Journal of Partial Differential Equations*, Volume 2013, Article ID 157947, 7 pages, 2013. <https://dx.doi.org/10.1155/2013/157947>
14. Umida Baltaeva, On some boundary value problems for a third order loaded integro-differential equation with real parameters // *Vestnik Udmurd.Univer. V -3, № 3, Pp. 3-12. 2012, Russia* <http://www.mathnet.ru/>
15. Umida Baltaeva, The boundary value problems for the loaded equation third order with parabolic-hyperbolic operators. // *Uzbek mathematical journal*, 2012. -№ 3. Pp.70-79. <https://uzmj.mathinst.uz/>

16. Islomov B., Baltaeva U. *The boundary value problems for the loaded differential equations hyperbolic and parabolic-hyperbolic types third order.* // *Ufa mathematical journal*, Volume 3, 3(2011). Pp. 15-25. Russia. <http://www.mathnet.ru>
17. Umida Baltaeva, *Analogues problem Tricomi for the loaded integro-differential equation third order* // *Dokl.Akad.Nauk RUz*, 2011. -№ 3, Pp. 19-22. <http://www.academy.uz/ru/journals/maruzalar>
18. Islomov B., Baltaeva U. *The boundary value problem for the third order equation with a loaded parabolic-hyperbolic operator* // *Uzbek mathematical journal*, 2010. -№ 3, Pp. 19-31. <https://uzmj.mathinst.uz/>
19. Islomov B., Baltaeva U. *Analogues problem Darboux for the loaded third order integro-differential equation* // *Dokl.Akad.Nauk RUz*, 2010. -№ 5, Pp. 2-5. <http://www.academy.uz/ru/journals/maruzalar>
20. Umida Baltaeva, *The boundary value problem for the third order equation with a loaded parabolic-hyperbolic operator.* // *Uzbek mathematical journal*, 2008. -№ 2. Pp.12-20. <https://uzmj.mathinst.uz/>
21. Islomov B., Baltaeva U. *The boundary value problems for the loaded third order equation with parabolic-hyperbolic operators.* // *Uzbek mathematical journal*, 2007. -№ 2. Pp. 45-55. <https://uzmj.mathinst.uz/>
22. Umida Baltaeva, *The some boundary value problems for the loaded third order equation with a parabolic-hyperbolic operator.* // *Uzbek mathematical journal*, 2007. -№ 3 Pp. 26-37. <https://uzmj.mathinst.uz/>
23. Baltaeva U., Agarwal P., Baltaeva I. *Cauchy problem for a high order loaded integro-differential equation*// *Mathematical Methods in the Applied Sciences*, Volume 2022(prepr.)

Book chapter

24. Praveen Agarwal, Umida Baltaeva, Jessada Tariboon, *Solvability of the boundary-value problem for a third-order linear loaded differential equation with the Caputo fractional derivative* // *CRC Press | Taylor & Francis Gr., Book Chapter No 17*, 2020. <https://doi.org/10.1201/9780429320026>