

PERSONAL INFORMATION

KOSMAKOVA MINZILYA TIMERBAEVNA



Republic of Kazakhstan, c. Karaganda, st. Universitetskaya, 28,

📍 KarU named after academician E.A.

📞 Buketov 📠

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🔗 ResearcherID: AAN-8009-2020



| Date of birth: 22/03/69

PLACE OF WORK, POSITION

KarU named after academician E.A. Buketov, assistant professor of the department of mathematical analysis and differential equations

SCIENTIFIC DEGREE, SCIENTIFIC TITLE (ACADEMIC DEGREE)

PhD

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WORK EXPERIENCE

Place and date

- 1991-2001 – Lecturer of the Department of Differential and Integral Equations (Faculty of Mathematics), KarSU named after E.A. Buketov
- 2001-2010 – Senior Lecturer of the Department of Differential and Integral Equations (Faculty of Mathematics), KarSU named after E.A. Buketov
- 2011-2013 – Senior Lecturer of the Department of Accounting and Auditing (Faculty of Economics), KarSU named after E.A. Buketov
- 2011-2013 – Master student of the Department of Mathematical Analysis and Differential Equations (Faculty of Mathematics), KarSU named after E.A. Buketov
- 2013-2016 – PhD student of the Department of Differential Equations and Control Theory (Faculty of Mechanics and Mathematics) al-Farabi KazNU
- 2016-today – assistant professor of the Department of Mathematical Analysis and Differential Equations (Faculty of Mathematics and Information Technologies), KarSU named after E.A. Buketov
- 2016-2017 – Chairman of the Council of Young Scientists (Faculty of Mathematics and Information Technologies), KarSU named after E.A. Buketov
- 2017-today – Scientific secretary of the dissertation council at KarSU named after E.A. Buketov on the defense of dissertations for the award of the degree of Doctor of Philosophy (PhD), Doctor in the field of specialty 6D060100 - "Mathematics"
- 2018-2020 – Executive secretary of the journal "Bulletin of Karaganda University. Series Mathematics "
- 2020-today – Member of the editorial board of the journal "Bulletin of Karaganda University. Series Mathematics"

EDUCATION AND PROFESSIONAL TRAINING

Education

- 1986-1991 – Karaganda State University, Faculty of Mathematics, Department of Differential Equations, specialty - Mathematics, qualification - Mathematician. Teacher (with honors)
- 2011-2013 – Karaganda State University named after academician E.A. Buketov, Faculty of Mathematics, Department of Mathematical Analysis and Differential Equations, specialty - "Mathematics", qualification - Master of Pedagogical Sciences (with honors)

– 2013-2016 – Al-Farabi Kazakh National University, Faculty of Mechanics and Mathematics, Department of Differential Equations and Control Theory, specialty - Mathematics, PhD .

– 2016-2018 – Karaganda State University named after academician E.A. Buketov, Faculty of Foreign Languages, Department of Theory and Methods of Foreign Language Training, specialty 5B011900 - "Foreign language: two foreign languages"

**Professional trainings,
Scientific trips**

– 07.12.2012–21.12.2012 – Faculty of Education, Central European Education Institute (Bratislava, Slovakia)

– 02.03.2015–29.04.2015 – Faculty of Mathematics, Koç University (Turkey, Istanbul)

– 02.10.2015–11.11.2015 – Faculty of Mathematics, Koç University (Turkey, Istanbul)

– 27.05.2018–16.06.2018 – language school "Jipka" (Prague, Czech Republic)

– 05.10.2020–19.10.2020 – Institute of Mathematics and Mathematical Modeling (Almaty)

**SKILLS DEVELOPMENT
INFORMATION**

– Certificate No. 659 (issued on 15.10.2005) by the Faculty of Advanced Training of University Teachers on innovative technologies in the educational process

– Certificate of successful completion of the course of lectures listened to during a foreign internship in Central European Education Institute (Bratislava, 2012)

– IELTS certificate (5.0 score) (issued on 02.10.2014 InterPress center, Almaty)

– Certificate of successful completion of the course at the language school "Jipka" (Prague, 2018)

– Certificate No. 101131645 for the program "Introduction to Mathematical Analysis" (72 hours), NOU "INTUIT" (Moscow, 2018)

– Certificate No. 101134258 for the program "Differential Equations" (72 hours), NOU "INTUIT" (Moscow, 2018)

– Certificate No. 101161435 for the program "English" (72 hours), NOU "INTUIT" (Moscow, 2018)

– Certificate: Participation in the innovative "Hard day" marathon and completion of all relevant training courses in the development of entrepreneurship start-up projects. (Akimat of Karaganda region and JSC SEC "Sary-arka", 2019)

– Certificate of successful completion of the listened course of lectures "The spectral theory elements of differential operators" (72 hours), Institute of Mathematics and Mathematical Modeling (Almaty, 2020)

– Certificate of successful completion of the course "Mathematics for economists" (English) (8 weeks, Coursera, National Research University Higher School of Economics, Moscow, 2020)

– Certificate No. 101369914 for the program "Numerical Methods for Solving Partial Differential Equations" (72 hours), NOU "INTUIT" (Moscow, 2020)

– Certificate No. 218 for the program "Statistical methods of information processing and analysis" (40 hours), KSTU (Karaganda, 2020)

PERSONNEL QUALITIES

Native language

Tatar, Russian

LANGUAGE	UNDERSTANDING		SPEAKING		WRITING
	Hearing	Reading	Oral speech		
Kazakh	A2	A2	A2	A2	A2
English	A2	B1	B2	B1	B2

IELTS

Digital skills

MICROSOFT OFFICE (WORD, EXCEL, POWER POINT); ЗНАНИЕ ГРАФИЧЕСКИХ РЕДАКТОРОВ (CORELDRAW), ИЗДАТЕЛЬСКОЙ СИСТЕМЫ LATEX. ЗНАНИЕ ОПЕРАЦИОННЫХ СИСТЕМ: WINDOWS И IOS

Other skills (hobbies)

reading, travel, board games

ADDITIONAL INFORMATION

Main publications

- 1) Amangaliyeva M.M., Jenaliyev M.T., Kosmakova M.T., Ramazanov M.I. About Dirichlet boundary value problem for the heat equation in the infinite angular domain, *Boundary Value Problems (IF TR 1,156)*, 2014, 2014:213. 21 p. doi:10.1186/s13661-014-0213-4
- 2) Amangaliyeva M.M., Jenaliyev M.T., Ramazanov M.I. On a Volterra equation of the second kind with 'incompressible' kernel, *Advances in Difference Equations (IF TR 1,066)*, March 2015, 2015: 71. 14 p. doi:10.1186/s13662-015-0418-6
- 3) Amangaliyeva M.M., Dzhenaliev M.T., Ramazanov M.I. On one homogeneous problem for the heat equation in an infinite angular domain, *Siberian Mathematical Journal, (IF TR 0,62)*, 2015. –Vol. 56. - №6. - P.982-995. 56: 982. doi:10.1134/S0037446615060038
- 4) Amangaliyeva M.M., Jenaliyev M.T., Ramazanov M.I. On the spectrum of Volterra integral equation with the “incompressible” kernel, *AIP Conference Proceedings (SJR 0,165)* 1611, 127 (2014), ISSN: 0094-243X, E-ISSN: 1551-7616, pp. 127–132. DOI: 10.1063/1.4893816
- 5) Amangaliyeva M.M., Jenaliyev M.T., Ramazanov M.I. Uniqueness and non-uniqueness of solutions of the boundary value problems of the heat equation *AIP Conference Proceedings (SJR 0,165)* 1676, 020028 (2015); P. 020028-1 020028-7 doi: 10.1063/1.4930454
- 6) Amangaliyeva M.M., Jenaliyev M.T., Ramazanov M.I. On the Solvability of Nonhomogeneous Boundary Value Problem for the Burgers Equation in the Angular Domain and Related Integral Equations, *Springer Proceedings in Mathematics & Statistics (SJR 0,226)* , FAIA 2017, Eds.: Kalmenov T.S., Nursultanov E.D., Ruzhansky M.V., Sadybekov M.A. – Springer, 2017. – V. 216. – pp 123-141
- 7) Nurgul T. Orumbayeva, Nurbulat K. Medeubaev, Zhanar M. Tuleutaeva, Problems of heat conduction with different boundary conditions in noncylindrical domains, *AIP Conference Proceedings (SJR 0,165)* 1997, 020071 (2018); ISSN: 0094-243X, E-ISSN: 1551-7616
- 8) Ramazanov, M. I.; Kosmakova, M. T.; Kasymova, L. Zh. On a Problem of Heat Equation with Fractional Load // *Lobachevskii Journal of Mathematics*, 2020. - Volume: 41 Issue: 9 Special Issue: SI Pages: 1873-1885
- 9) Jenaliyev, M. T.; Ramazanov, M., I; Kosmakova, M. T.; et al. On the Solution to a Two-Dimensional Heat Conduction Problem in a Degenerate Domain // *Eurasian Mathematical Journal*, 2020. -- Volume: 11 Issue: 3 Pages: 89-94

The number of published scientific and educational-methodical works - more than 120, of which:

- in journals by database Clarivate Analytics – 19;
- in journals by database Scopus – 8;
- in publications recommended by CCSES MES RK, – 18;
- in publications placed in the RSCI database, including journals from the list of the Higher Attestation Commission, – 13;
- monographs (co-authored) – 3;
- textbooks, teaching aids, electronic textbooks (co-authored) – 9.

H-index Clarivate Analytics – 6.

H-index Scopus – 3.

H-index RSCI – 3.

H-index Google Scholar – 8.

Participation in the implementation of scientific projects

Project executor

- grant №0052/ΠΛΦ (international), 2013-2015, «Operator methods for solving general boundary value problems for partial differential equations and their applications », in the position of JSR (0,5 r)
- grant №0823/ΓΦ4, 2015-2017, «Boundary value problems of heat conduction in degenerate noncylindrical domains and ill-posed problems» SR (0,5 r)
- grant № 22-62-M-18, 2018-2020, «Pseudo-Volterra integral equations and non-classical evolutionary boundary value problems " LSR (0,25 r)
- grant AP09259780, 2021-2023, «Boundary value problems for pseudoparabolic equations and associated singular Volterra integral equations " LSR (0,25 r)

Project leader

- grant AP08955795, 2020-2022, (12 м.), « Boundary value problems for the heat equation with a fractional load " LSR

Membership in professional scientific organizations

- Scientific secretary of the dissertation council for the defense of dissertations for the award of the degree of Doctor of Philosophy (PhD), Doctor of the profile in the specialty "6D060100 - Mathematics" since 12.01.2018.
- Executive secretary of the journal "Bulletin of Karaganda University. Series Mathematics» («Bulletin of the Karaganda University - Mathematics»), recommended by CCSES MES RK and included in the database of the information company Web of Science, Thomson Reuters. 01.09.2018 - 21.10.2020.
- Member of the editorial board of the journal "Bulletin of Karaganda University. Series Mathematics» («Bulletin of the Karaganda University - Mathematics»), recommended by CCSES MES RK and included in the database of the information company Web of Science, Thomson Reuters, since 01.11.2020.
- Official Reviewer of the Journal "Bulletin of Karaganda University. Series Mathematics».

Awards and titles

Winner of the title "The best teacher of the university" (MES RK, 2019)

Courses

1. Mathematical analysis (In Russian)
2. Differential Equations (In Russian)
3. Partial Differential Equations (In Russian)
4. Functional analysis (In Russian)
5. Integral Equations (In Russian)
6. Variational calculus (In Russian)
7. Equations of mathematical physics (In Russian)
8. Equations of mathematical physics
9. Theory of functions of a complex variable (In Russian)
10. Complex analysis (In Russian)
11. Functional analysis
12. Complex analysis
13. Boundary value problems of heat conduction in degenerating domains (In Russian)
14. Boundary value problems of heat conduction in degenerating domains

Professional and scientific interests

- boundary value problems for partial differential equations,
- singular integral equations of Volterra,
- spectral theory of operators,
- loaded differential equations,
- fractionally loaded differential equations,
- special functions

SCIENTIFIC DATABASES IDENTIFIERS

Researcher ID: AAN-8009-2020
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Author ID Scopus: 56368167200