

KARLYGASH DOSMAGULOVA

Academic Curriculum Vitae

Current Academic Affiliation: Institute of Mathematics and Mathematical Modeling, Pushkin st., 125, Almaty, 050010, Republic of Kazakhstan

Scopus: 18 publications, h index 3

Web of Science: 6 publications, h index 2

ORCID: 0000-0001-8289-6573

Scopus Author ID: 57190935473



Additional Affiliation:

- 1) Al-Farabi Kazakh National University, Department of Mathematics, Al-Farabi av., 71, Almaty, 050040, Republic of Kazakhstan;
- 2) International Informational Technology University, Manas st., 34/1, Almaty, 050040, Republic of Kazakhstan;
- 3) Ghent University, Krijkslaan 281, Ghent, 9000, Belgium;

Born: 1996 in Republic of Kazakhstan, Kazakh citizen

e-mail address: karlygash.dosmagulova@gmail.com

Research Interests: Function Theory, Functional analysis, Topological linear spaces and related structures, Riemannian manifolds, Spectral theory, Relations of PDEs with special manifold structures

Education

Bachelor: Al-Farabi Kazakh National University, 2014-2018

Master: Al-Farabi Kazakh National University, 2018-2020

Current education: joint Ph.D student at Al-Farabi Kazakh National University and Ghent University since 2020

Computer skills: Microsoft Office, High Programming Language: Wolfram Mathematica, Python, Maple, MathCad, C++, Dev C++; CorelDraw, Photoshop.

Work Experience

30.05.2024-... Postdoctoral Research Fellow at the Institute of Mathematics and Mathematical Modeling

01.09.2024-... Teacher of Department of Mathematics and Mathematical Modeling, International Informational Technology University

03.01.2024-... Deputy Head of Department of Mathematics on scientific and innovative work and international relations, Al-Farabi Kazakh National University

01.09.2020-31.08.2024 Teacher of Department of Mathematics, Al-Farabi Kazakh National University

01.10.2020-30.05.2024 Junior Researcher at the Institute of Mathematics and Mathematical Modeling

01.09.2017-31.05.2020 Teacher at International College of Business and Communications

Teaching Experience

Standard courses: Mathematical Analysis I, Mathematical Analysis II, Fundamentals of Algebraic Structures, General topology, Mathematics in Economics, Higher Mathematics

Elective courses: Theory of generalized Lyapunov exponents, Real analysis, Approximation of functions of several variables

International internships

1. Visit University of Abu Dhabi, UAE, 06.06.2024.-23.06.2024.
2. Visit UGent for educational internship 18.03.2022-15.06.2022 and 15.09.2022-13.12.2022.
3. Course of lectures "Nonlinear impulsive differential systems" and made a presentation "The Laplace-Beltrami operator on a smooth Riemannian manifold for solving elliptic boundary value problems", University of Abu Dhabi, UAE, 06.10.2021.-16.10.2021.
4. Online QJMAM/IMA Summer School on Asymptotic Analysis of Partial Differential Equations and Modelling of Waves, organized by the Department of Mathematical Sciences, University of Liverpool. The training program consisted of 44 hours of online lectures and tutorials delivered via ZOOM, 2021.
5. Online course "Mathematical models and computer modeling" from April 15 till May 17, 2020 at the Pedagogical University of Krakow, Poland (72 hours).
6. Imperial College (72 hours), London, UK, 2017;
7. Krakow Pedagogical University (72 hours), Krakow, Poland, 2017;
8. Turin Polytechnic University (48 hours), Tashkent, Uzbekistan, 2017.

Achievements

1. ICTP Grant for participation to "School/Workshop on Wave Dynamics: Turbulent vs Integrable Effects", Trieste, Italy, 28 August-1 September 2023
2. Award "The Best Young Scientist 2023" of Al-Farabi Kazakh National University
3. Abbe Grant for participation of 9th Heidelberg Laureate Forum, Heidelberg, Germany, September 18-23, 2022
4. Participation in the 13th ISAAC Congress, Ghent, Belgium, August 2-6, 2021
5. Passed a refresher course on the topic "Teaching methods and assessment of students' knowledge" in the amount of 72 hours, Al-Farabi Kazakh National University, 17.05.2021-29.05.2021.
6. Dosmagulova K.A. successfully completed the program within the framework of "SMARTCITY: Innovative Approach Towards a Master Program on Smart Cities Technologies / SMRCITY" at the Activity 3.4 Summer School, Al-Farabi Kazakh National University, April 26-30, 2021, 72 hours (36 hours synchronous and 36 hours asynchronous)
7. Participated and listened to the online lectures "Basics of Nonlinear Integrable Systems and their Applications" from 07.04.2021 to 17.04.2021, organized by the Center for nonlinear Science & Engineering, SASTRA Deemed University, Thanjavur.
8. From 18 of February till 1 of April 2021 takes part in the educational movement "Cyber Educator" and participates in master classes organized by Belgium Educational Council;
9. 2-5 June 2020, participated in the International Online Conferences " Dynamic Days Central Asia VI ", held at Nazarbayev University in Astana, Kazakhstan.