



ADILBEK
ZAITOV

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▶ Academic Title: Professor, DSc

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Research Areas

Topology ●●●●●

Functional Analysis ●●●●●

Idempotent mathematics ●●●●●

Pure Mathematics ●●●●●

Applied Mathematics ●●●●●

Languages

English ●●●●●

Russian ●●●●●

Education

Institute of Mathematics and Information Technologies <i>Geometry and Topology</i> Doctor of Science (DSc) - Uzbekistan	Sep 2005 - May 2008
Institute of Mathematics <i>Geometry and Topology</i> Doctor of Philosophy (PhD) - Uzbekistan	Sep 2000 - May 2003
Tashkent State Pedagogical Institute <i>Mathematics and Physics</i> Master of Science - Uzbekistan	Sep 1990 - May 1995

Employment

Assistant Teacher <i>Tashkent State Pedagogical Institute, Tashkent</i>	Sep 1995 - Aug 1998
Senior Lecturer <i>Tashkent State Pedagogical Institute</i>	Sep 1998 - Sep 2000
PhD student <i>Institute of Mathematics</i>	Oct 2000 - Sep 2003
Senior Scientific Researcher <i>Institute of Mathematics</i>	Oct 2003 - Dec 2005
DSc student <i>Institute of Mathematics and Information Technologies</i>	Jan 2005 - Dec 2008
Senior Scientific Researcher <i>Institute of Mathematics and Information Technologies</i>	Jan 2008 - Oct 2010
Associate Professor, PhD <i>Academy of the Armed Forces of Uzbekistan</i>	Nov 2010 - May 2012
Head of the Department of Mathematics and Natural Sciences <i>Tashkent Institute of Architecture and Civil Engineering</i>	May 2015 - Nov 2015
Head of the Khorezm Regional Department of Secondary Special and Vocational Education <i>Khorezm Regional Department of Secondary Special and Vocational Education, Khorezm</i>	Nov 2015 - Apr 2018
Head of the Department of Mathematics and Natural Disciplines <i>Tashkent Institute of Architecture and Civil Engineering</i>	May 2018 - May 2023

Vice rector for scientific research and innovations <i>Tashkent Institute of Architecture and Civil Engineering</i>	May 2023 - Aug 2024
Head of the Department of Mathematics and Natural Disciplines <i>Tashkent Institute of Architecture and Civil Engineering</i>	Aug 2024 - Present

Publications

Some categorical properties of the functors $\mathcal{O}\tau$ and $\mathcal{O}R$ of weakly additive functionals

Zaitov A.A.
Mathematical Notes
DOI: <https://link.springer.com/content/pdf/10.1007/s11006-006-0072-0.pdf>

The functor of order-preserving functionals of finite degree

Zaitov A.A.
Journal of Mathematical Sciences
DOI: <https://doi.org/10.1007/s10958-006-0071-4>

On geometric form of the Hahn-Banach theorem’s version for idempotent probability measures

Zaitov A.A., Tagaymurotov A.O.
Lobachevskii Journal of Mathematics
DOI: <https://doi.org/10.1134/S1995080223110367>

On the Cech-Completeness of the Space of τ -Smooth Idempotent Probability Measures.

Kocinac L.D.R., Eshimbetov M.R., Zaitov A.A.
Axioms
DOI: doi.org/10.3390/axioms13080569

An open mapping theorem for order-preserving operators

Kočinac L.D.R., Aktamov F.S., Zaitov A.A.
Kragujevac Journal of Mathematics
DOI: [10.46793/KgJMat2307.1057K](https://doi.org/10.46793/KgJMat2307.1057K)

Dugundji Compacta and the Space of Idempotent Probability Measures

Zaitov A.A., Eshkobilova D.T.
Mathematical Notes
DOI: doi.org/10.1134/S000143462309016X

On a metric on the space of idempotent probability measures

Zaitov A.A.
Applied General Topology
DOI: [doi:10.4995/agt.2020.11865](https://doi.org/10.4995/agt.2020.11865)

Hyperspaces of superparacompact spaces and continuous maps

Zaitov A.A., Jumayev D.I.
Universal Journal of Mathematics and Applications
DOI: [10.32323/ujma.481052](https://doi.org/10.32323/ujma.481052)

Algebras of unbounded operators over the ring of measurable functions and their derivations and automorphisms

Albeverio S., Ayupov Sh.A., Ruziev J.E., Zaitov A.A.

Methods of Functional Analysis and Topology

DOI: https://mfat.imath.kiev.ua/article/2009/02/al_ay_zh_ru.pdf

On certain properties of the spaces of order-preserving functionals

Albeverio S., Ayupov Sh.A., Zaitov A.A.

Topology and its Applications

DOI: 10.1016/j.topol.2008.05.019

Hyperspaces of the α -complete spaces and maps

Zaitov A.A., Jumayev D.I.

Eurasian Mathematical journal

DOI: doi.org/10.32523/2077-9879-2021-12-2-104-110

Teaching

Higher Mathematics	2025-26
Econometrics	2025-26
Magistr	
Mathematics for Architechure	2025-26
Topology	2025-26
PhD	
Functional Analysis	2025-26
PhD	
Homotopy Theory	2025-26
Magistr	

PhD Supervision

Ishmetov Azad Yangibayevich	2020
Geometric and topological properties of space of idempotent probabilistic measures on topological spaces	
Kholturaev Khol Said Fayzullayevich	2022
Infinite iteration of the functor of idempotent probability measures	
Eshkobilova Dilrabo Turaxonovna	2024
Lifting the functor of idempotent probability measures to the category of uniform spaces	
Eshimbetov Muzaffar Reyimbayevich	2024
Description of tau-smooth idempotent measures	
Jumaev Davron Ilxomovich	2025
Compact type spaces and their hyperspaces	
Kurbanov Khamidjon Xujaniyozovich	2025
The methodology of forming students' concepts of semi-additive functions on the base of smart technologies	

Professional Membership

Uzbek Mathematical Journal <i>Section editor</i>	2010 - Present
Scientific Council awarding scientific degrees DSc.03/2025.27.12. FM.01.02 National University of Uzbekistan named after Mirzo Ulugbek <i>member</i>	2012 - Present
Scientific Council for awarding academic degrees DSc.03/2026.09.01.T.02.M at Tashkent university of architecture and civil engineering <i>member</i>	2018 - Present
The Scientific Council for awarding academic degrees D01.24.701 at Institute of Mathematics of the National Academy of Sciences Kyrgyz Republic and Kyrgyz National University named after J. Balasagyn <i>member</i>	2024 - Present