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 Scopus ID: Scopus ID: 57216287355

 scholar.google.com/citations?user=https://scholar.google.com/citations?hl=en&user;=2HFFf2sAAAAJ&view;_op=list_works&sortby;=pubdate

Research Areas

Civil Engineering ●●●●●

Building Physics ●●●●●

Building Engineering ●●●●●

Construction Technology ●●●●●

Energy-Efficient and Zero-Energy Buildings ●●●●●

Building Safety ●●●●●

Structural Safety ●●●●●

Fire Resistance ●●●●●

Fire Safety of Building Envelopes ●●●●●

Building Acoustics ●●●●●

Sound Insulation ●●●●●

Education

Tashkent University of Architecture and Civil Engineering (TIACE) Sep 2010 - May 2014

Construction of building and structures

Bachelor of Science - Uzbekistan

Tashkent University of Architecture and Civil Engineering Sep 2014 - May 2016

The technology of organizing building

Master of Science - Uzbekistan

Tashkent University of Architecture and Civil Engineering (TIACE) Sep 2018 - May 2020

Building structures, buildings and constructions

Doctor of Philosophy (PhD) - Uzbekistan

Tashkent University of Architecture and Civil Engineering (TIACE) Sep 2023 - May 2025

Construction Structures, Buildings and Facilities (05.09.01); Safety in Emergency Situations – Fire, Industrial, Nuclear and Radiation Safety (05.10.02)

Doctor of Science (DSc) - Uzbekistan

Employment

Associate Professor, Civil Engineering Sep 2023 - Present

Tashkent University of Architecture and Civil Engineering (TIACE), Tashkent

Description: Teaching undergraduate and graduate courses in civil engineering; conducting research in building structures, energy-efficient and low-carbon construction; supervising student research and theses; participating in academic and institutional development activities.

Senior Visiting Scholar Nov 2025 - Dec 2025

Tongji University, Shanghai

Description: Conducted collaborative research in advanced construction technologies and sustainable building design; participated in academic exchange and international research programs.

Senior Visiting Scholar Sep 2023 - Jun 2024

Beijing Institute of Technology, Beijing

Description: Engaged in research activities related to engineering systems and innovative construction solutions; contributed to international academic collaboration.

Associate Professor, Civil Engineering Sep 2022 - May 2023

Tashkent Institute of Architecture and Civil Engineering (TIACE), Tashkent

Description: Delivered lectures in structural engineering; supervised academic projects; contributed to curriculum development and scientific research.

Higher Education and Engineering
Pedagogy ●●●●●

Multilayer Building Envelope Systems ●
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Thermal Performance ●●●●●

Overheating Control ●●●●●

Languages

English ●●●●●

Russian ●●●●●

Uzbek ●●●●●

Italian ●●●●●

Chinese ●●●●●

Grants & Projects

■ 2025–2027: Study on High-Efficiency Thermal Insulation Materials and Structures for Non-Transparent Envelopes of Low-Carbon Buildings (Uzbekistan–China Joint Research Program)

■ 2022–2023: Development of SHNQ 3.03.09-22: Energy-Saving Wall Structures Using Autoclaved Aerated Concrete (Ministry of Construction of the Republic of Uzbekistan)

■ 2018–2020: Development of Building Code 2.01.08-2019 “Noise Protection” (Ministry of Construction of the Republic of Uzbekistan)

Patents & Industry

■ Automated Software Complex for Studying the Operational Stability and Developing Optimal Structural Solutions for Low-Carbon Buildings (2025)
No DGU 55098 — Uzbekistan

■ Automation System for Sound Insulation Analysis of Multilayer Building Structures (2020)
No DGU 09683 — Uzbekistan

■ Calendar Method for Construction Project Planning (Maximum Flow Method) (2016)
No DGU 03620 — Uzbekistan

■ Software for Assessing the Seismic Vulnerability of Buildings and Structures Based on Simulation Modeling (2026)
No DGU 61619 — Uzbekistan

Associate Professor, Civil Engineering Sep 2022 - May 2023
Yeoju Technical Institute in Tashkent, Tashkent

Description: Taught civil engineering disciplines; engaged in applied research; supervised student academic work.

Senior Lecturer, Civil Engineering Sep 2018 - May 2021
Yeoju Technical Institute in Tashkent, Tashkent

Description: Conducted lectures and practical sessions; developed teaching materials; supervised student coursework.

Senior Lecturer, Civil Engineering Mar 2020 - Aug 2020
Penza State University of Architecture and Construction, Russia

Description: Delivered lectures in civil engineering; participated in academic research and international collaboration.

Senior Lecturer, Civil Engineering Sep 2018 - May 2020
Tashkent Institute of Architecture and Civil Engineering (TIACE), Tashkent

Description: Taught core civil engineering subjects; supervised student projects and academic activities.

Lecturer, Civil Engineering Sep 2016 - May 2017
Tashkent Institute of Architecture and Civil Engineering (TIACE), Tashkent

Description: Delivered lectures and tutorials; assisted in academic program delivery.

Lecturer, Civil Engineering Sep 2015 - May 2016
Tashkent Construction College, Tashkent

Description: Provided foundational training in construction and civil engineering disciplines.

Head Expert Sep 2021 - May 2022
Republican Center of Standardization in Construction, Ministry of Construction, Tashkent

Description: Worked on development and implementation of construction standards and regulatory documents; participated in technical evaluation and standardization processes in the construction sector.

Safety Engineer Sep 2014 - May 2016
Transportation Consulting PC, Tashkent

Description: Ensured compliance with occupational safety and engineering standards; conducted safety assessments and contributed to project safety management.

Secretary of the Council for the Implementation of Green Building Science and Technologies Aug 2025 - Present
Tashkent University of Architecture and Civil Engineering (TAQU), Tashkent

Director, Advanced Engineering School Mar 2025 - Present
Tashkent University of Architecture and Civil Engineering (TAQU), Tashkent

Head of Department Apr 2022 - Jun 2023

*Ministry of Higher Education, Science and Innovation of the Republic of
Uzbekistan, Tashkent*

**Secretary of the Methodological Council, Civil
Engineering** Mar 2022 - Oct 2022

Tashkent Institute of Architecture and Civil Engineering (TIACE)

Scientific Coordinator, Urban Planning Initiative Sep 2020 - Present

National Movement "Yuksalish", Tashkent

Head of Department Sep 2021 - May 2022

*Republican Center of Standardization in Construction, Ministry of Construction,
Tashkent*

Publications

Data analysis and review of the research landscape in performance-enhancing thermal management strategies of photovoltaic technology

*Sheher Yar Khan, Shuli Liu, Mahesh Kumar, Abdur Rehman Mazhar, Yongliang Shen,
Tingsen Chen, Adeel Waqas, Shaoliang Zhang, Jasur Rashidov*

Sustainable Energy Technologies and Assessments

DOI: <https://doi.org/10.1016/j.seta.2024.103938>

Data analysis and review of the research landscape in performance-enhancing thermal management strategies of photovoltaic technology

*Sheher Yar Khan, Shuli Liu, Mahesh Kumar, Abdur Rehman Mazhar, Yongliang Shen,
Tingsen Chen, Adeel Waqas, Shaoliang Zhang, Jasur Rashidov*

Sustainable Energy Technologies and Assessments

DOI: <https://www.sciencedirect.com/science/article/pii/S2213138824003345>

Scientific mapping and review of the research landscape in battery thermal management strategies using heat pipe

*Mahesh Kumar, Sheher Yar Khan, Shuli Liu, Asad A Zaidi, Zhang Shaoliang, Arvin
Sohrabi, Jasur Rashidov*

Journal of Energy Storage

DOI: <https://www.sciencedirect.com/science/article/pii/S2352152X24037332>

On peculiarities of formation of the thermal mode in operating panel buildings

PR Khamidullaevich, SE Vladimirovna, Ugli RJ Gayrat

International Journal of Scientific and Technology Research

DOI: <https://elibrary.ru/item.asp?id=41679346>

Enhanced fire safety of phosphorylated cellulose/gelatin aerogels via conventional flame retardants: The effects of piperazine pyrophosphate, ammonium polyphosphate, and aluminum hydroxide

*Haixia Xiao, Jie Luo, Shenghua Yang, Hongyu Yang, Xiaming Feng, Yafeng Gao,
Chaojun Wan, Jianxin Zhang, Jasur Rashidov*

Polymer Degradation and Stability

DOI: [10.1016/j.polymdegradstab.2026.112064](https://doi.org/10.1016/j.polymdegradstab.2026.112064)

Unraveling the effects of compound additives on the strength of cast concrete

Ibrokhimjon Abdullaev, Ni Lin, Jasur Rashidov

Revista de Gestão Social e Ambiental

DOI: <https://search.proquest.com/openview/a4dbbd9f5f35f3979c7eb2eed996047b/1?pq-origsite=gscholar&cbl;=2031968>

Optimization of temperature prediction algorithms and simulation of future neighborhood-scale thermal environments in Chongqing

Lina Jiang, Zhixuan Fan, Yafeng Gao, Xing Su, Jasur Rashidov

Building and Environment

DOI: <https://www.sciencedirect.com/science/article/pii/S0360132324009880>

Electric Vehicles: Manuscript of a Bibliometric Analysis Unveiling Trends, Innovations and Future Pathways

Ibrokhimjon Abdullaev, Ni Lin, Jasur Rashidov

International Journal of Automotive Science And Technology

DOI: <https://dergipark.org.tr/en/pub/ijastech/issue/84036/1424879>

Graphical method for calculating sound insulation of air noise of single layer enclosing structures

R Kh Pirmatov, AV Zakharov, JG Rashidov

International Journal of Advanced Research in Science, Engineering and Technology

DOI:

<https://scholar.google.com/scholar?cluster=69236808258547813&hl;=en&oi;=scholarr>

Teaching

Building Physics <i>Magistr</i>	2015–Present
Energy Efficiency of Buildings <i>Magistr</i>	2015–Present
Basic Design of Buildings and Structures <i>Magistr</i>	2015–Present
Construction Technology	2018–Present
Introduction to Civil Engineering	2018–Present
Architectural Structures	2018–Present

PhD Supervision

Ruziev Bekzod Dilmurodovich Durability and Fire Resistance of Monolithic Structures of Low-Carbon Buildings under Operational Damage Conditions	2025 - Present
Javliyev Asamidin Elmirezayevich A Study on Enhancing the Operational Efficiency of Fire and Rescue Services in Emergency Response: A Case Study of the Surkhandarya Region	2026 - Present

International Activity

Impact of PCMC Roof on Indoor Thermal-Humidity Environment and Air Conditioning Energy Consumption 2024
WABER SuDBE Conference, South Africa

Research Activities in Advanced Engineering Systems 2024
Beijing Institute of Technology, China

Research Collaboration in Sustainable Construction and Building Technologies 2024
Tongji University, China

National Fellowship for Scientific Internship Abroad 2020
Ministry of Innovative Development of the Republic of Uzbekistan, Uzbekistan

Professional Membership

ASIIN e.V. (Accreditation Agency for Study Programs in Engineering, Informatics, Natural Sciences and Mathematics) 2025 - Present
International Accreditation Expert

QS World University Rankings 2021 - Present
Expert

Civil Engineers Research Council 2019 - Present
Member