



SHAVKAT
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 Academic Title: Professor, DSc

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 Scopus ID: Scopus H-indeks-19,
Link 467, dokument-50

 scholar.google.com/citations?use
r=Sholar H-indeks-22, Link-539

Research Areas

- Technological machines. Robots ●●●●
- mechatronic and robotics systems ●●●●

Languages

Russian ●●●●●

Grants & Projects

Education

Tashkent institute of Textile and Light Industry <i>05.02.03 – Technological Machines. Robots, Mechatronics, and Robotics Systems</i> Doctor of Science (DSc) - Uzbekistan	- May 2022
Moscow Technological Institute of Light Industry <i>05.02.03–Machines and units for light industry</i> Doctor of Philosophy (PhD) - Russia	- May 1989
Tashkent State University <i>Mechanics</i> Master of Science - Uzbekistan	Sep 1976 - May 1981
Tashkent State University <i>Mechanics</i> - Uzbekistan	Sep 1976 - May 1981

Employment

Research Fellow <i>Institute of Mechanics and Seismic Resistance of Structures after M.T.Urazbaev, Academy of Sciences of the Republic of Uzbekistan</i> Description: Graduate student, 1983-1986	Nov 1981 - Nov 1990
Assistant teacher <i>Tashkent Polytechnic Institute</i>	Nov 1990 - Jun 1991
Assistant teacher <i>Tashkent University of Architecture and Civil Engineering</i>	Jun 1991 - Sep 1994
Assoc. Professor <i>Tashkent University of Architecture and Civil Engineering</i>	Sep 1994 - Sep 2018
Acting Professor <i>Tashkent University of Architecture and Civil Engineering</i>	Sep 2018 - Sep 2024
Professor <i>Tashkent University of Architecture and Civil Engineering</i>	Sep 2024 - Present
Head of the Department of Mathematics and Natural Sciences <i>Tashkent University of Architecture and Civil Engineering</i>	Sep 2017 - May 2018
Head of the Department of Mathematics and Natural Sciences <i>Tashkent University of Architecture and Civil Engineering</i>	Sep 2011 - May 2012
Head of the educational department of the institute <i>Tashkent University of Architecture and Civil Engineering</i>	Sep 2008 - May 2009

■ 2017–2020: BV-M-F4-001 “Research of problems of hydrodynamics and engineering science based on mathematical modeling and development of new solution methods,” (Total Project : 1.8 mlr. sum)

■ 2018–2021: “Development of a comprehensive theory of contact interaction taking into account a physical phenomenon” (Total Project : 518.7 mln. sum)

Patents & Industry

■ Device for squeezing moisture out of wet leather (2012)

No № FAP 00912 — Uzbekistan

■ Device for removing moisture from wet fibrous materials (2016)

No № IAP 05886 — Uzbekistan

■ Universal roller machine (2018)

No № FAP 01447 — Uzbekistan

■ Machine for machining leather (2020)

No FAP 01633 — Uzbekistan

■ Differential gear (2021)

No № IAP 06400 — Uzbekistan

Head of the Department of "Professional Pedagogy"

Sep 2002 - May 2005

Tashkent University of Architecture and Civil Engineering

Deputy Dean of the Faculty of " Faculty of Engineering construction infrastructure "

Sep 1994 - May 2006

Tashkent University of Architecture and Civil Engineering

Publications

Modeling of strain and filtration properties of a semi-finished leather product

Amanov A., Khurramov Sh., Bahadirov G., .Abdulkarimov A., Amanov T

Journal of Leather Science and Engineering

DOI: <https://doi.org/10.1186/s42825-21-00056-1>

Analytical description of the contact curve shape of the rolls in the two-roller module”

Khurramov Sh.R. .

Journal “Izvestiya Vysshikh Uchebnykh Zavedenii, Seriya Tekhnologiya Tekstil’noy

Promyshlennosti, 2021, No 4 (394), pp.153-158

Theoretical analysis of the conditions of capture in an asymmetric two-roll module

Khurramov Sh.R., Khalturayev F.S., Kurbanova F.Z

Journal “Izvestiya Vysshikh Uchebnykh Zavedenii, Seriya Tekhnologiya Tekstil’noy

Promyshlennosti. 2021, No 4 (394), pp.159-163

Mathematical modeling of friction stresses in a two roll module

Khurramov Sh.R., Bakhadirov G.A., Abdulkarimov A

Izvestiya Vysshikh Uchebnykh Zavedenii, Seriya Tekhnologiya Tekstil’noy

Promyshlennosti. 2022, No 1 (397), pp.242-247

Mathematical models of roll contact curves

Khurramov, Sh.R., Annaev N.U., Hurramov, Sh.I., Aliboyev K.Yu

Journal “Izvestiya Vysshikh Uchebnykh Zavedenii, Seriya Tekhnologiya Tekstil’noy

Promyshlennosti. 2025, No 1 (415), pp.193-199

Filtration rates in roller pressing of fibrous materials

Khurramov, Sh.R.

AIP Conference Proceedings,

DOI: <https://doi.org/10.1063/5.0071266-030-66081-9>

To the development of the theory of contact interaction in two-roll modules

Khurramov, Sh.R.

Journal of Physics: Conference Series

DOI: [doi:10.1088/1742-6596/1901/01211562](https://doi.org/10.1088/1742-6596/1901/01211562)

On the issues of modeling the roll contact curves

Khurramov, Sh.R.

Journal of Physics: Conference Series

DOI: [doi:10.1088/1742-6596/1889/0420362](https://doi.org/10.1088/1742-6596/1889/0420362)

Some questions of the contact interaction theory in two-roll modules
Khurramov, Sh.R

Journal of Physics: Conference Series
DOI: doi:10.1088/1742-6596/1546/012132

Modeling of Friction Stress in Twin Roll Modules
Khurramov, Sh.R

Journal of Physics: Conference Series
DOI: doi:10.1088/1742-6596/1789/02004

Teaching

Higher mathematics 1990-2025

PhD Supervision

Khalturaev F.S 2021
Mathematical modeling and improvement of the process of leather squeezing with roller machines

Kurbanova F.Z 2022
Research of contact iteration in roller pairs for improving the processes of mechanical treatment of sheet materials

Turgunov K.K 2023
Study of contact iteration in roll pairs of leather machines to improve product quality and production efficiency

Professional Membership

Journal. "Modern Innovations, Systems and Technologies" (Russia, Krosnoyarsk) 2022 - Present
member of the editorial board

Journal. "Informatics. Economics. Management (Russia, Krosnoyarsk) 2022 - Present
member of the editorial board

Journal. "Mathematical methods in engineering and technology (Russia, Sankt-Peterburg) 2022 - Present
member of the editorial board

Additional Information

BOOKS / TEXT BOOKS

1. Sh.R. Khurramov. Higher mathematics. Books, Part 1, "Tafakkur" Tashkent, Uzbekistan, 2018, 448 p.
2. Sh.R. Khurramov. Higher mathematics. Books, Part 2, "Tafakkur" Tashkent, Uzbekistan, 2018, 652 p.
3. Sh.R. Khurramov. Higher mathematics. Books, Part 3, "Fan va ta'lim" Tashkent, Uzbekistan, 2022, 720 p.
4. Sh.R. Khurramov. Higher mathematics. Books, Part 1, "Cho'lpon" Tashkent, Uzbekistan, 2018, 492 p.
5. Sh.R. Khurramov. Higher mathematics. Books, Part 3, "Mehr nuri" Tashkent, Uzbekistan, 2024, 888 p.
6. Sh.R. Khurramov. Higher mathematics. Books, Part 1, "Yangi nashr" Tashkent, Uzbekistan, 2017, 445 p.
7. Sh.R. Khurramov. Higher mathematics. Examples and problems, control assignments, Textbooks, Part 1, "Printing house of the Center of Science and Technology", 2015 408 c
8. Sh.R. Khurramov. Higher mathematics. Examples and problems, control assignments, Textbooks, Part 2, "Printing house of the Center of Science and Technology", 2015 300
9. Sh.R. Khurramov. Higher mathematics. Examples and problems, control assignments, Textbooks, Part 3, "Printing house of the Center of Science and Technology", 2015, 279