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G scholar.google.com/citations?use
r=https://scholar.google.com/citat
ions?user=3FEN8pYAAAAJ

Research Areas

Interdisciplinary integration and methodology: Development of methodological foundations for ensuring the harmony of issues of physics and engineering sciences in the process of training future engineers. ● ● ● ● ●

Development of professional competence: Formation of students' professional skills and enrichment of educational and methodological support through the integration of physics and specialized disciplines. ● ● ● ● ●

Education

- National University of Uzbekistan (NUUz)** Sep 2004 - May 2008
Laser equipment and laser technologies
- Uzbekistan
- National University of Uzbekistan (NUUz)** Sep 2008 - May 2010
Radiophysics
Master of Science - Uzbekistan
- National University of Uzbekistan (NUUz)** Sep 2020 - May 2023
Pedagogy
Doctor of Philosophy (PhD) - Uzbekistan

Employment

- Assistant teacher** Sep 2010 - Sep 2017
Tashkent University of Architecture and Civil Engineering, Tashkent
- senior lecturer** Sep 2017 - Sep 2023
Tashkent University of Architecture and Civil Engineering, Tashkent
- Assoc. Professor, PhD** Sep 2023 - Present
Tashkent University of Architecture and Civil Engineering, Tashkent

Publications

Methods of formation of professional competence of students in teaching physics on the basis of integration of architecture and building sciences

A.M. Nortojiyev

AIP Conference Proceedings 2789, 040140 (2023)

DOI: <https://doi.org/10.1063/5.0149887>

Methods of formation of professional competence of students in teaching physics on the basis of integration of architecture and building sciences

Abror Nortojiyev., Nigora Normurodova

XV International Online Conference "Improving Farming Productivity and Agroecology – Ecosystem Restoration" (IPFA 2023)

DOI: <https://doi.org/10.1051/e3sconf/202345207028>

The Importance of Physical Exercises in the Training of Specialists in the Field of Architecture and Construction

D.A. Begmatova, A.M. Nortojiyev, S.S. Xudayberdiyev, A.Z. Mahmadiyrov, N.B.

Nosirov, and I.B. Sapaev

AIP Conference Proceedings 2432, 030056 (2022);

DOI: <https://doi.org/10.1063/5.0089959>

Teaching methodology and modeling:
Creation and implementation of
methodological models that ensure the
harmony of fundamental sections of
physics (Mechanics ●●●●●

Thermodynamics ●●●●●

Acoustics ●●●●●

Optics) and engineering sciences. ●●●
●●

Digital educational technologies:
development of educational and
methodological resources in the digital
higher education environment and
widespread use of modern digital
technologies in the educational process.
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Application of Applied Physics and
Engineering: Studying the practical
application of the laws of physics (e.g. ●
●●●●

Newton's laws ●●●●●

the phenomenon of resonance ●●●●
●

acoustics) to construction projects and
engineering problems. ●●●●●

Languages

Russian ●●●●●

English ●●●●●

Grants & Projects

■ 2021–2022: KM-20192512.
"Development of a technology for
obtaining new non-combustible binders
based on local raw materials that
reduce energy and resource
consumption"

Developing renewable sources of energy in Uzbekistan renewable
energy short overview: Programs and prospects

E.B. Saitov, Sh. Kodirov, Z.F.Beknazarova, B.M. Kamanov, A. Nortojiyev, and
N.Siddikov

AIP Conference Proceedings 2432, 020015 (2022);
DOI: <https://doi.org/10.1063/5.0090438>

THE METHOD OF CONDUCTING PRACTICAL CLASSES IN THE
SUBJECT OF PHYSICS IN TECHNICAL HIGHER EDUCATIONAL
INSTITUTIONS THROUGH THE METHOD OF DESIGNING OBJECTS
OF PROFESSIONAL ACTIVITY

Nortojiev Abror Mukhamadalievich
Asian Journal of Research in Social Sciences and Humanities
DOI: [10.5958/2249-7315.2022.00300.8](https://doi.org/10.5958/2249-7315.2022.00300.8)

STRUCTURE OF PROFESSIONAL COMPETENCE OF FUTURE
BUILDING ENGINEERS

Abror NORTOJIYEV
ACTA NUUZ, 2023, [1/12/2]
DOI: <https://journalsnuu.uz/index.php/actanuuz/article/download/10332/6119/24495>

IMPROVEMENT OF STUDENTS' PROFESSIONAL COMPETENCE
BASED ON THE DESIGN METHOD

Abror NORTOJIYEV
ACTA NUUZ, 2024, [1/11/1]
DOI: <https://doi.org/10.69617/nuuz.v1i1.11.1>

METHODOLOGICAL FOUNDATIONS FOR IMPROVING THE
TEACHING OF PHYSICS BASED ON THE INTEGRATION OF
ARCHITECTURE AND CONSTRUCTION

Abror NORTOJIYEV
RESEARCH AND DEVELOPMENT., Volume II, Issue 11 (2025)
DOI: <https://doi.org/10.5281/zenodo.15100296>

IMPROVING PROFESSIONAL COMPETENCE OF STUDENTS BASED
ON THE DESIGN METHOD

Nortojiyev Abror Muxamadaliyevich
Sciential Journal of Education Humanities and Social Sciences, Vol. 3. 5, (2025)
DOI: <https://doi.org/10.62536/sjehss.2025.v3.i6.pp1-8>

METHODS OF CONDUCTING LABORATORY SESSIONS IN PHYSICS
BASED ON INTERDISCIPLINARY INTEGRATION

Abror NORTOJIYEV
ACTA NUUZ, 2025, [1/12]
DOI: <https://doi.org/10.69617/nuuz.v1i1.12>

Professional Membership

Journal. Eurasian Journal of Engineering and Technology(Brussels, Belgium) 2023 - Present
member of the editorial board

Additional Information

BOOKS / TEXT BOOKS

1.Nortojoyev A.M., Boltayev G.S., Sapaev I.B., Beknozarova Z.F., Mirinoyatov M.M. Laser Physics and Technology. Study Guide. - Tashkent: Innovatsiya-Ziyo, 2022. - 122 p.

BOOKS / TEXT BOOKS

2.Nortojoyev A.M., Mahmadiyorov A.Z. Physics in Construction. Study Guide. - Tashkent: Innovatsiya-Ziyo, 2022. ISBN 978-9943-8232-0-4. - 158 p.

BOOKS / TEXT BOOKS

3.A.M.Nortojoyev, S.S.Khudayberdiyev, N.B.Nosirov, Sh.I.Abdullayev, N.R.Begisheva, H.A.Mamajonov. "Collection of problems in physics." Study Guide. Tashkent - 2024. Page 252.

BOOKS / TEXT BOOKS

4.S.S.Khudayberdiyev,A.M.Nortojoyev,N.B.Nosirov. Physics for Construction and Architecture Universities (Part 1). "Science and Innovation" Printing House., p.313.