



FACULTY OF PHYSICS AND MATHEMATICS



NAME: Karimov Mukhtorjon Karimberganovich
POSITION: Senior Lecturer
TEL: +99890 559 49 99
E – mail: karimov_m_k@mail.ru
ORGANISATION TEL: +99862 2246700
ORGANISATION ADDRESS: Urgench, Kh.Olimjan str, 14, 220100

EDUCATION:	<ul style="list-style-type: none"> •2007 - 2011 Urgench State University (bachelor) • National University of Uzbekistan (master) in 2011-2013
CAREER / EMPLOYMENT:	<ul style="list-style-type: none"> • 2013 - 2017 Lecturer, Department of Physics, Urgench State University • 2018 - 2020 PhD student, Urgench State University • 2021 - So far, a Senior Lecturer at the Department of Physics, Urgench State University
SPECIALITY	<ul style="list-style-type: none"> • Heliophysics and the use of solar energy.
TEACHING SUBJECTS:	<ul style="list-style-type: none"> • General Physics, Optics,
RESEARCH AREAS OF INTEREST:	<ul style="list-style-type: none"> • Modeling the process of ion scattering at the grazing bombardment with Ne⁺, Ar⁺, Xe⁺ ions of InP (001) and InGaP (001) films
PRESENT PROJECTS:	<ul style="list-style-type: none"> • Karimov M.K., Kutliev U.O., Ismailov Sh.K., Otabaev M.U. Low Energy Ar⁺ Ion Scattering on InGaP(001) Surface // e-Journal of Surface Science and Nanotechnology, 2020. – Volume.18, – pp.164 – 167. • Karimov M.K., Matchonov Kh.J., Otaboeva K.U., Otaboev M.U. Computer Simulation of Scattering Xe⁺ Ions from InP(001)<110> Surface at Grazing Incidence // e-Journal of Surface Science and Nanotechnology, 2019. – Volume. 17, –pp.179 – 183. • Каримов М.К., Кутлиев У.О., Отабоева К.У., Отабоев М.У. Вычисление неупругих потерь энергии при ионно – атомном столкновении // Агентство по интеллектуальной собственности Республики Узбекистан официальный бюллетень, 2019. DGU 06100. 3(215). – С.320. • Kutliev U., Karimov M., Sadullaeva B., Otaboev M. Investigation of the ion scattering process from the A³B⁵ semiconductors by the computer simulation method // COMPUSOFT, An international journal of advanced computer technology, 2018. – Volume. 7, No.4. – pp. 2749 – 2751. • Karimov M.K., Tangriberganov I.U., Qurbanov M.K., Kutliev U.O., Otaboev M. U. Angular and energy distributions of low – energy argon ions at the scattering from A^{III}B^V semiconductor surface // Actual problems of modern science, education and training in the region, 2018. – Volume. 3, No.2. – pp. 5–15. (01.00.00; №10) • Кутлиев У.О., Каримов М.К., Отабоев М.У., Балтаева М.М. Определения энергии одно – идвукратно рассеянных ионов поверхностейтвёрдого тела // Агентство по интеллектуальной собственности Республики Узбекистан официальный бюллетень, 2018. DGU 05605. 9(209). – С.275.

**LIST OF SELECTED
PAPERS**

- Kutliev U.O., Karimov M.K., Kuryozov F.O., Otabaeva K.U. Analysis of InGaP(001) surface by the low energy ion scattering spectroscopy // Journal of Physics: Conference Series, 2021. – Volume. 1889, No.2. 022063(5pp).
- Karimov M.K., Kutliev U.O., Otabaeva K.U., Otabaev M.U. Angular Distributions of Scattered Ne and Ar Ions at the Grazing Incidence on the InGaP (001) <110> Surface // Journal of Nano- and Electronic Physics, 2020. – Volume. 12, No.5. 05032(4pp).
- Kutliev U.O., Karimov M.K., Otaboev M.U. **Orientation Effects during Scattering of Ar⁺ Ions from the InP(001) Surface under Grazing-Angle Ion Bombardment** // Inorganic Materials: Applied Research, 2020. – Volume. 11, No.3. – pp. 503–506.