



## FACULTY OF PHYSICS AND MATHEMATICS



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<b>EDUCATION:</b>	<ul style="list-style-type: none"> <li>•2012 - 2016 Urgench State University (bachelor)</li> <li>• National University of Uzbekistan (master) in 2016-2018</li> </ul>
<b>CAREER / EMPLOYMENT:</b>	<ul style="list-style-type: none"> <li>• 2018 - 2019 Lecturer, Department of Physics, Urgench State University</li> <li>• 2019 - So far, a teacher at the Department of Physics, Urgench State University</li> </ul>
<b>SPECIALITY</b>	<ul style="list-style-type: none"> <li>• Heliophysics and the use of solar energy.</li> </ul>
<b>TEACHING SUBJECTS:</b>	<ul style="list-style-type: none"> <li>• General Physics, Semiconductor Device Modeling, Semiconductor Electronics, Physics Workshop</li> </ul>
<b>RESEARCH AREAS OF INTEREST:</b>	<ul style="list-style-type: none"> <li>• Modeling of GaAs Solar Elements in Sentaurus TCAD</li> </ul>
<b>PRESENT PROJECTS:</b>	<ul style="list-style-type: none"> <li>• Jumaboyev B.Q. Ajayib fizik hodisalar, jarayonlar va qonuniyatlar, “XXI – asr – intellektual avlod asri” 2015/11/19139–142 – b.</li> <li>• Jumaboyev B.Q., J. Abdullayev, U. Kazakov Quyosh sirlari yoki plazmali shar, Ilm sarchashmalari, 2015 – 7 – son.</li> <li>• Jumaboyev B.Q., Optik qurilmalar yordamida Quyosh energiyasini yig‘ish, “XXI – asr – intellektual avlod asri” , 2015/11/19, 139–142 – b.</li> <li>• A.E.Atamuratov, R.Bozorboyev, A.Yusupov, Jumaboyev B.Q., Quyosh elementlari xarakteristikalarini TCAD SENTAURUS dasturi yordamida modellashtirish imkoniyatlari, “RENES: Qayta tiklanuvchi energiya manbalari va barqaror atrof – muhit sohasida magistrlik dasturini ishlab chiqish” loyihasi doirasidagi xalqaro ilmiy – amaliy seminar maqolalari to‘plami Guliston – 2019</li> <li>• Жумабоев Б.Қ., А.Э.Атамуратов, А.Юсупов, Садуллаев С., Нуруллаев Н., Влияние толщины антиотражающих покрытий MgF и TiO<sub>x</sub> на ток короткого замыкания и эффективность солнечного элемента на основе GaAs, Современные проблемы физики полупроводников, 2019/11/20.</li> <li>• Юсупов А., Садуллаев С., Нуруллаев Н., Атамуратов А.Э., Жумабоев Б.Қ., Зависимость параметров солнечного элемента на основе GaAs от толщины антиотражающих слоев MgF и TiO<sub>x</sub>, «Современные проблемы физики полупроводников», СПФП – 2019, Нукус – 2019.</li> <li>• R.Sh.Daminov, Y.A.Atoboyeva, A.Q.Amanboyev, Jumaboyev B.Q., Ximoya shishasi optik parametrlarining fotoelektrik batareya parametrlariga tasiri, “RENES: Qayta tiklanuvchi energiya manbalari va barqaror atrof – muhit sohasida magistrlik dasturini ishlab chiqish” loyihasi doirasidagi xalqaro ilmiy – amaliy seminar maqolalari to‘plami Guliston – 2019.</li> </ul>

	<ul style="list-style-type: none"> <li>• Yuldashova N., Tangribergenov A., Atamuratov A., Yusupov A., Jumaboyev B.Q., Turli antirefektiv qatlam qalinligida bir o'tishli GaAs Quyosh elementining xarakteristikalarini TCAD dasturi yordamida modellashtirish, "Zamonaviy mikroelektronikaning rivojlanishida fan, ta'lim va innovatsiya integratsiyasi", Respublika ilmiy – uslubiy anjumani materiallari, Andijon–2020,239–241– b.</li> </ul>
<p style="text-align: center;"><b>LIST OF SELECTED PAPERS</b></p>	<ul style="list-style-type: none"> <li>• N. Yo'ldashova, A. Tangribergenov, A. Yusupov, Jumaboyev B.Q., Fotoelement samaradorligining emitter qatlami qalinligi va legirlanish darajasiga bog'likligi, Fizika fanining rivojida iste'dodli yoshlarning o'rni, RIAK – XIV – 2021, Respublika ilmiy anjumani materiallari, 2 – tom, 22 – 25 – b.</li> <li>• N. Yo'ldashova, A. Tangribergenov, A. Yusupov, Jumaboyev B.Q., Fotoelement samaradorligining antirefektiv qatlam materialiga bog'liqligi, Fizika fanining rivojida iste'dodli yoshlarning o'rni, RIAK – XIV – 2021, Respublika ilmiy anjumani materiallari, 2 – tom, 25 – 28 – b.</li> </ul>