

GULNUR OMARBEKOVA

PERSONAL INFORMATION

Republic of Kazakhstan, Karaganda city

KARAGANDA BUKETOV UNIVERITY

Date of birth: September 13, 1983



PLACE OF WORK, POSITION

Karaganda Buketov Univerity, Physics and Technical Faculty,
Department of Radiophysics and Electronics,
Senior Lecturer in the field of Physical Sciences

SCIENTIFIC DEGREE, SCIENTIFIC TITLE (ACADEMIC DEGREE)

Master of Science

EDUCATION, INTERNSHIPS AND RESEARCH TRIPS

2000-2005 - Karaganda State University named after Academician E.A.Buketov, Faculty of Physics, specialty – "Radiophysics and Electronics", qualification – Engineer. Physicist.

2010-2012 - Karaganda State University named after Academician E.A.Buketov, Faculty of Physics and Technology, specialty - 6M060400 - "Physics", qualification – Master of Natural Sciences.

2020-2023 - Karaganda University named after Academician E.A.Buketov, Faculty of Physics and Technology, specialty – 8D05302 -"Physics"

November-December 2011 – research internship at the Silesian University of Technology (Gliwice, Poland).

June-July 2022 – research internship at Tomsk Polytechnic University (Tomsk, Russia)

WORK EXPERIENCE

2005-2012 – Karaganda State University named after Academician E.A. Buketov, Faculty of Physics, Lecturer at the Department of Radiophysics and Electronics

2012 - present day – Karaganda State University named after Academician E.A. Buketov, Faculty of Physics and Technology, Senior Lecturer at the Department of Radiophysics and Electronics.

SKILLS DEVELOPMENT INFORMATION

- certificate No. 39 on completion of the lecture courses «Labor legislation, safety and labor protection». (18.10.2018, Karaganda, KarSU).

- certificate of completion of lecture courses «Modern nanotechnology in two-dimensional semiconductor structures, topological insulators and composites» (3.12.-22.12.2018, Karaganda, KarSU).

- certificate of completion of lecture courses «Materials and structures of micro and optoelectronics» (23.09.-17.10.2019, Karaganda, KarSU).
- certificate of completion of lecture courses «Physics of nanosystems» (03.12.-27.12.2019, Karaganda, KarSU).
- certificate of advanced training – «Synchrotron and neutron radiation in condensed matter physics and materials science» NRU «MEPhI», 2022.
- certificate of completion of the course on the Coursera platform on the topic: «English for Science, Technology» (University of Pennsylvania, date of completion and issuance of the certificate – 10/24/2023).
- certificate of completion of the course on the Coursera platform on the topic: «Modes of Science Communication» (University of Colorado Boulder, graduation date and certificate issuance – 11/01/2023).

AWARDS

2023 – winner of the title «The best teacher of higher education institution».

PERSONAL QUALITIES

Language

Kazakh, Russian, English.

Digital skills

Advanced user of (MS Word, MS Excel, etc.), Photoshop, Compass, e-mail, Internet, etc.

Other skills (hobbies and pastime)

reading, traveling, listening to music, internet
Sports: volleyball, table tennis.

ADDITIONAL INFORMATION

H-index by Scopus – 1

ID Researcher: U-5958-2018

ID Scopus: 57221816500

ID ORCID: 0000-0002-0755-6832

Main publications:

1. Omarbekova G.I., Aimukhanov A.K., Ilyassov B.R., Valiev D.T., Zeinidenov A.K., etc. The role of surface defects in the charge transport in organic solar cells based on oxidized indium thin films// Surfaces and Interfaces. – 2022. – Vol.31. –P. 102026. DOI: 10.1016/j.surfin.2022.102026
2. Omarbekova G.I., Zeinidenov A.K., Aimukhanov A.K., Plotnikova I.V. Investigation of optical and electrophysical characteristics of composite films NiO/PEDOT:PSS// Eurasian Physical Technical Journal. - 2020. - Vol.17. - №2(34). - P.55-60. DOI 10.31489/2020No2/55-60
3. Omarbekova G.I., Aimukhanov A.K., Rozhkova X., Ilyassov B., Seisembekova T. Effect of alcohol solvents on the structural, optical and electrical characteristics of PEDOT:PSS polymer films annealed at low atmospheric pressure// Eurasian Physical Technical Journal. – 2022. – Vol.19, №2(40). – P. 35–41. DOI: 10.31489/2022No2/35-41.
4. Omarbekova G.I., Zeinidenov A.K., Aimukhanov A.K., Ilyassov B.R. Impact of the annealing temperature of In₂O₃ films on the photovoltaic characteristics of a polymer solar cells// Eurasian Physical Technical Journal. – 2022. – Vol.19, №1(39). – P. 34–39. DOI:10.31489/2022No1/34-39.

5. Omarbekova G.I., Ilyassov B.R., Alexeev A.M., Zeinidenov A.K., etc. Effect of the thickness and surface interface of In_2O_3 films on the transport and recombination of charges in a polymer solar cell// Bulletin of the Karaganda university. Physics Series 2023. - № 2(110). - P.17-24. DOI: 10.31489/2023PH2/17-24