

HUSEYNOV TARLAN KHANBABA OGLU



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Ph. D on Physics. professor.

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PERSONAL DATA

Was born in Lankaran district of Azerbaijan on 26 –th of May 1957. Married, has two children.

EDUCATION AND ACADEMIC DEGREES OBTAINED

2018 - Ph.D., Doctor of physical sciences, “Electronics”, Faculty of Physics, BSU

2004 - Associate Professor, Department of Physical Electronics, BSU

1994 - Ph.D., “Physical Electronics”, Faculty of Physics, BSU

1984 - Diploma in Physics, Teacher of Physics, Faculty of Physics, BSU

COMPLETE PROFESSIONAL BACKGROUND

2018 - Professor, Department of Physical Electronics, BSU

2004 - 2018, Associate Professor, Department of Physical Electronics, BSU

2000 - 2012, Deputy Dean, Faculty of Physics, BSU

2000-2004, Assistant, Department of Physical Electronics, BSU

1994-2000, Methodist, Faculty of Physics, BSU

1984-1994, Senior Laboratory Assistant, Department of Physical Electronics, BSU

1979-1984, laboratory assistant, Department of Physical Electronics, BSU

1978–1984, student, Faculty of Physics, BSU

Teaching courses:

General physics, physics, radio physics, fundamentals of radio physics, electricity and magnetism, fundamentals of gas-discharge and plasma physics, gas-discharge and plasma devices and technology, design of electronic devices, oscillation theory.

PRESENT RESEARCH INTERESTS

Electron acceleration in no uniform gaseous discharge plasma. Investigation of dynamical properties of discharge positive column using elementary processes in plasma.

INTERNATIONAL CONFERENCES, SYMPOSIUMS

1986 - 3rd All-Union Conference. In gas discharge physics, Ukraine, Kiev

1988 - II All-Union Congress. Physics in the gas discharge. Russia, Makhachkala

1990 - All-Union Conference on Low-Temperature Plasma Spectroscopy, Russia, Petrozavodsk

1991 - XX ICPIG, Pisa, Italy

1992 - VI Conference on Physics of Gas Discharge. Russia, Kazan
 2000 - NATIONAL ATOMIC AND MOLECULAR PHYSICAL SYMPOSIUM, Ataturk Universities, Turkey
 2005 - International Conference "Physics 2005", Baku
 2006 - TPE-06 3rd International Conference on Technical and Physical Problems of Energy, Ankara, Turkey
 2008 - Actual problems of physics, Fifth International Scientific and Technical Conference, Baku
 2009 - 5th International Conference "Technical and Physical Problems of Energy" Bilbao, Spain
 2009 - International Scientific Conference dedicated to the 90th of Baku State University, Baku
 2014 - 10th International Conference "Technical and Physical Problems of Electrical Engineering" Baku
 2016 - 12th International Conference "Technical and Physical Problems of Electrical Engineering" Bilbao, Spain
 2017 - International Conference "MODERN TRENDS IN PHYSICS" 2017, BAKU
 2018 - "Actual problems of modern sciences of nature and economics." International Scientific Conference, Ganja, Azerbaijan
 2018 - International Scientific Conference "Problems of Physics and Astronomy" masters and young researchers

LIST OF SELECTED PUBLICATIONS

In 1986-2018, more than 75 scientific papers were published. Including:

1. G.I. Garibov, A.Kh.Muradov, T.Kh. Huseynov. Investigation of the electron energy distribution function in the positive column of a discharge in neon in a conical tube. *Izv. AN., Resp.ser.fiz.-Mat.*, Baku, 1989, 1, p. 67.
2. T. Kh. Guseinov, A.Kh.Muradov. Investigation of the process of electron acceleration in a discharge with a narrowing in helium. *ZHTF, Russia*, 1991, t. 61., 5, p. 130.
3. T. Kh. Guseinov, A.Kh.Muradov. About layers of space charge in the region of the discharge narrowing in mercury. *Thermophysics Vysokikh Temperatur*, 1991, t.29, v.4, p. 821-823.
4. A.Kh.Muradov, S. Subhanian, T.Kh. Huseynov. The column of particles in the balance of particles. *Baku State University News*, Baku, 1996, No. 1, p.24-29.
5. T.Kh. Huseynov. The processes of acceleration of electrons and the excitation of atoms near the narrowing of the plasma column in helium. *Bulletin of BSU*, Baku, 2001, №1, pp.52-59.
6. T. Kh. Huseynov. Influence of various mechanisms of destruction of metastable levels on the dynamic resistance of a medium pressure arc. *Vestnik ANAS, a series of physical and mat. and technology, physics and astronomy*, Baku, 2004, №2, p.116-122.
7. Moslekhi-Fard, Muradov A.Kh., Guseinov T.Kh. On the effect of the magnitude of the anode potential drop on the balance of the number of electrons in an anode plasma with a double layer. *Letters in Technical Physics, Russia*, 2005, vol. 31, issue 5, p.1.
8. Abdullaev R.A., Guseinov T.Kh. O Study of the dynamic resistance of a discharge under conditions of stepwise ionization. *Journal "Izvestiya vuzov Radioelectronics"* Kiev, 2008, Volume 51, No. 4, p.38-49
9. Muradov A.Kh., Huseynov T.Kh. Low-noise gas discharge in a conical tube and its dynamic properties. *Journal "Izvestiya Vuzov Radioelectronics"* Kiev, 2010, Volume 53, No. 9, pp.27-33
10. A.Kh.Muradov, T.Kh. Huseynov. Discharge of the neon discharge in a conical tube. *Journ. of Communicatrions Technology and Electronics, Russian*, 2011, V.56, No. 5, p.598-602
11. Guseinov T. Kh., Muradov A. Kh., Mustafayeva S.N. Complex dynamic discharge resistance at high discharge current densities. *AMEA, Fizika İnstitutu, Energetikanın problemləri*, Bakı, Elm, 2012, səh.61-65
12. Muradov A.Kh., Abdullaev R.A. Guseinov T. Kh. Impedance spectroscopy of a neon discharge under conditions of stepwise ionization and bulk recombination. *Journal of Qafqaz University Physics*, 2014, Baku, V. 2, N. 1., p.62-66.
13. Huseynov T. Kh., Muradov A. Kh. Impedance spectroscopy of a high-current capillary discharge in neon. *Energy Problems Journal*, 2014, Baku, No. 2, pp.49-53
14. Guseinov T.Kh., Agaev M.N., Rasulov E.A. Relaxation of electrons in a double layer in a plasma of mercury discharge is an international scientific-technical.. *Journal "Vimiruvalna and Obschyslyuvalnaya Technique in Technological Processes"*, Ukraine, 2015, No. 4 (53), p. 75-78.

15. Huseynov T.Kh. Potential distribution and electron energy distribution function in a double layer in a mercury discharge plasma. *Scientific Herald of NLTU Ukraine*, 2015, c. 25, No. 8, p. 371-378.
16. Huseynov T.Kh. Positive discharge column at large depths of discharge current modulation without taking into account stepwise ionization. *Physics, Russia, Tomsk*, 2017, T.60, No. 9, p.70-78
17. Huseynov T. Kh., Dashdamirov KM, Garibov G.I. and other. Determination of current-voltage characteristics of argon plasma using a tracking probe. *Physics, Russia, Tomsk*, 2017, T. 60, No. 9, p. 79-82
18. T. Kh. Guseinov, K. M. Dashdamirov, E. A. Rasulov, et al. The distribution function and the balance of the number of electrons in a double layer of an arc discharge in mercury vapor. *TBT*, 56: 3 (2018), 323–328; *High Temperature*, 56: 3 (2018), 313–318.

BOOKS

1. Bashirov M.M., Huseynov T.Kh., Safarova I.A. Interdisciplinary relations and its organization in the Physics teaching. *School applies*, 2001, 68 p.
2. Muradov A.Kh., Huseynov T.Kh. Handbook of laboratory tasks on the vacuum techniques. Text-book, 2002, 68 p.
3. Muradov A.Kh., Huseynov T.Kh. Practical studies on vacuum techniques. Text-book, 2007, 77 p.
4. Abdinov A.Sh., Mehdiyev., R.F., Huseynov T.Kh. The history and methodology of Physical Electronics. *Tahsil P.C. Baku* 2008, 165 p.
5. Abdinov A.Sh., Qasanov I.S., Huseynov T.Kh. Electronic devices and fundamentals of electronic emissions. *Educational materials, Takhsil, Baku*, 2011, 360 pages.
6. Dashdamirov K.M., Huseynov T.Kh. Gas discharge and plasma physics. Teaching aid, *Baku University, Baku*, 2014, 392 p.

ABOUT AWARDS AND DOWNLOADS

Ministry of Education of the Republic of Azerbaijan. “Certificate of honor”, 2009.