

# DAVUDOV BENYAMEDDIN BEYAGA



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Candidate of physical and mathematical sciences,  
Associate professor of Physical electronics department

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## PERSONAL DATA

Was born in Qusar district of Azerbaijan, 31 March 1939, married, Lezgin, has three children.

## EDUCATION AND ACADEMIC DEGREES OBTAINED

1962 Graduated faculty of Physics Azerb. (Baku) State University, Baku

1969 post-graduate course of Physical Institute, Minsk, Belarus and Title of thesis: "Research of physical processes in impuls plasma generators"

1982 Associate professor

## COMPLETE PROFESSIONAL BACKGROUND

1962-1965 Engineer of Institute of Electro mechanics in Istra, Moscow

1965-1969 Postgraduate student of Institute Physics Academy of Sciences, Belarus, Minsk

1970-1973 Assistant of BSU

1973-1982 lecturer of BSU

1982 Associate professor of BSU

Teaching discipline

Radiophysics, Radioelectronics, Physical electronics

Author of more than 130 scientific work and 4 patents

## PRESENT RESEARCH INTERESTS

Works directed the drawing of thin films by method of impulsive plasma evaporation and methods disinfection of Water.

Technology ozone, Technology of plasma, Problems of ecology

## INTERNATIONAL CONFERENCES, SYMPOSIUMS

1. T. G. Nagiyev, B. B. Davudov Anodized evaporation processes in pulsed plasma pairs Physical and astronomical problems »Res.elmi konf. materials, 2009, p.48

2. Davudov B. B. The process of disintegration of dielectric materials in pulsed resonances of the plasma. "Actual problems of physics", Materials of the Great Patriotic War, Republic of Azerbaijan, 2010, p.77

3. Mamedov N.A., Davudov B.B., Dashdamirov K., Sadikhzade G.M. Characteristics of ozonir with two charges. 6th International Conference on "Technical and Physical Problems of Energy". Tabriz, Iran, p. 575-578
4. Mamedov N.A., Davudov B.B., Dashdamirov K.M., Sadigzade G.M. Ozone technology for detergents. Republican scientific-practical conference "Opto-nanoelectronics and condensed matter physics", Baku, Research Institute "Problems Physics" at BSU, 2011, ul. 139-143
5. Mamedov N.A., Davudov B.B., Dashdamirov K.M., Sadigzade G.O. Ozone technology for industrial wastewater treatment. International Scientific Conference "Ecology: Problems of Nature and Society", dedicated to the 105th anniversary of Academician Hasan Aliyev, Baku, 2012, pp. 14-15
6. Mamedov N.A., Davudov B.B., Dashdamirov K.M., Sadigzade G.M. The use of ozone technology in biological and chemical processes. Optics, nanoelectronics, condensed atmosphere and high-energy physics "Republican Scientific Practical Conference, Baku, 2012, p.118-121
7. Davudov B.B. Protection against ozone from living organisms. VI Republican Scientific and Practical Conference "Opto, nanoelectronics, condensed matter and high energy physics", Baku, 2012, pp.194-195
8. Mamedov N.A., Davudov B.B., Sadikhzade G.M., Dashdamirov K.M. Ozone technology for the purification of water polluted with petroleum products. VII International Conference on Technical and Physical Problems of Energy, Fredrikstad, Norway, 2012, pp.478-481
9. B. D. Davudov. Physical processes of nanoscopic films by the method of pulsed plasma. Materials of the Republican scientific conference "Actual problems of physics" dedicated to the 80th anniversary of the birth of Academician B. Askerov, Baku, BSU, 2013, p. 65
10. N. M. Mamedov B. B. Davudov K. D. Dashdamirov G. I. Garibov G. S. Sadigzade Sh. Alekperov The use of ozone in water purification technology. Actual problems of ecology and soil science in the XXI century. Materials of the III Republican Scientific Conference. Baku, 2014, pp. 99-103
11. N.A.Mamedov B.Davudov K.M. Dashdamirov G.M. Sadikhzade Sh.Sh.Alekperov. Use of ozone technology International Journal of Engineering and Physical Problems of Mechanical Engineering (MGPI), 2013, v.5, p.4, p.184-189
12. Davudov B. B., Dashdamirov K. M., G. M. Sadikhzade. The driving force of the barricade discharge. Materials of the Republican scientific conference "Actual problems of physics", BSU, 2015.

#### ARTICLES PUBLISHED IN SI

1. Erosion of electrodes in pulsed plasma accelerators. Czechoslovak Journal of Physics. Czeck. Republican. Praque.
2. The study of electrodes in pulsed discharges. "Ambient Temperature" Number 5, 1968, Minsk.
3. On the nature of plasma in pulsed accelerators. The magazine is technically unique. Moscow, 1971, №1.
4. D.Davudov Anodic erosion in pulsed plasma evaporators. News of Baku University, Baku, 2017, No. 1, p. 191-197
5. Sadikhzade G.M., Garibov G.I., Davudov BB, Agaev M.N. Influence of a magnetic field on dance behind waves of an ionization wave. News of Baku, 2015, No. 3
6. BD Davudov Physical phenomena when receiving thin layers of complex compounds by the method of pulsed plasma. Journal of Qafqaz University, Baku, v.1, 2013, ussul 2
7. N. A. Mamedov B. B. Davudov, K. M. Dashdamirov, G. M. Sadikzade. Effect of ozone in several owners in biological, chemical, and physical systems. Journal of Qafqaz University, Baku, v.1, 2013, p.69
8. B.D.Dududov, N.Ya.Myamadov. Pulsed Plasma Bucharest Testing Instruments and Accessories, Baku State University. A series of physical and rhythmic phenomena. 2009, № 1, p. 173-177
9. E. A. Masimov, N. A. Mamedov, B. D. Davudov Physico-chemical process in discharge graders / Energy problems. 2009, No. 2, p. 74-83
- Davudov B.B., Nalyev T.G. Buitck condensation of plasma clay. Journal of Physics, IAEA, Elm Bulletin, X.V., No. 4, 2009, pp. 50-56
10. Davudov, B. B., Dashdamirov, K.M. contributes to the characterization of the disaster area of the canyon Spyat-Xavi. Journal of AMEA Physics, Elm Bulletin, XVII, No. 2, 2010, pp. 18-25
11. Davudov B.B. The impulse is an electric cocktail of a CiO2 sensitive bucket, which is essentially a floating plasma. Baku State University. A series of physical and rhythmic phenomena. Baku, 2010, No. 3, pp. 121-130
12. Mamedov N.A., Davudov B.B., Sadigzade G.M., Dashdamirov K.M. Multifunctional installation for the purification of petroleum products. Journal of the Caucasus University. A series of church and techniques. 2011, No. 32, pp. 12-17
13. Davudov B.B. Acquisition and study of thin layers of silicate compounds by the method of pulsed plasma. News of Baku University. A series of physical and mathematical sciences. Baku, 2011, No. 1, pp.165-170

14. Davudov, B. B., Dashdamirov, K.M. The characteristic driving force of the barrier level. News of Baku University. A series of physical and mathematical sciences. Baku, 2011, No. 2, pp.147-150
15. Mamedov N.A., Davudov B.B., Dashdamirov K.M., Sadigzade G.M. Multifunctional welding fluid for flushing oils, oil-filled petroleum products. Journal Qafqaz University, Physics, 2012, No. 33, pp. 81-85

#### BOOKS

1. The principles of radioelectronics, ASU, Baku, 1992, 294 p.
2. The laboratory works of radioelectronics, Baku, 1993, 88 p.
3. The practicum of radiophysics, Baku, 1999, 148 p.
4. The radiophysics, BSU, Baku, 2008, 392 p.
5. Thoughts, contradictions, aphorisms. Baku, 2018