

AMIROVA SABINA IKRAM

Candidate of physical and mathematical sciences,
Teacher of Physical electronics department

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PERSONAL DATA

Was born in Baku, Azerbaijan, 05 November, 1977, married, has two children.

EDUCATION AND ACADEMIC DEGREES OBTAINED

1994 -1998 Bachelor degree-Faculty of physics, Baku State University, Baku

1998-2000 Master degree-«Plasma physics», Faculty of physics, Baku State University

2008 Ph.D. title of thesis: The electronic processes in thin films of solid solutions $Cd_{1-x}Zn_xS_{1-y}Se_y$ and structures on their basis

COMPLETE PROFESSIONAL BACKGROUND

2000-2004 senior laboratory assistant of department of «Physical electronics» of Baku State University

2004 Teacher, Department of Physical Electronics, Baku State University

Teacher discipline: General Physics, Optoelectronics, Solid state electronics

Author of more than 30 scientific works

PRESENT RESEARCH INTERESTS

Investigation of the electron processes in thin films and structures on their basis.

INTERNATIONAL CONFERENCES, SYMPOSIUMS

2006, 2007, 2008 -EMRS Spring Meeting Simposium, Thin film and nano-structured materials for photovoltaics, Strasbourg, France

2006,2012,2014- International Scientific-Technical Conference "Photoelectronics and Night Vision Devices", Moscow, Russia

2006- International Conference on problems of Solid State Electronics and Microelectronics, Taganrog, Russia

2006- International Conference "Opto-, nanoelectronics, nanotechnology and microsystems", Ulyanovsk, Russia

LIST OF SELECTED PUBLICATIONS

1. Solar converters on the basis of izotypic heterostructures manufactured by the method of electrochemical deposition, Problems of power, №1, p. 64-70, 2004
2. Manufacture of p-CuInSe₂/Cd_{1-x}Zn_xS_{1-y}Se_y heterojunction solar cells by electrodeposition technique Geleneksel Erzurum fizik günləri. II. 2005. c. 17
3. Photosensitivity of p, n-Si/n-Cd_{1-x}Zn_xS heterojunctions manufactured by a method of electrochemical deposition // Thin Solid Films. 2005. Vol. 480-481. p.388-391
4. Thin film solar cells on the base of p-CuInSe₂/Cd_{1-x}Zn_xS_{1-y}Se_y electrodeposited heterojunctions 3-rd International conference on Technical and Physical Problems in Power Engineering. Ankara. Turkey. TPE-2006. p.816-818
5. Investigation of electrodeposited heterojunction solar cells, Thin Solid Films, v.511-512, p.140-142, 2006
6. Investigation of Electrodeposited Glass/SnO₂/CuInSe₂/Cd_{1-x}Zn_xS_{1-y}Se_y/ZnO Thin Solar Cells, Japanese Journal of Applied Physics, v. 46, № 11, p. 7359–7361, 2007. 17
7. Preparation and investigation of electrodeposited p-Si/Cd_{0.3}Zn_{0.7}S_{0.4}Se_{0.6} heterojunction, Proc. SPIE, v. 6636, p. 124-127, 2007
8. Temperature dependence of carrier mobility in undoped and gadolinium p-GaSe crystals // Inorganic materials. 2012. vol. 48. no 6. pp. 559-562
9. On the effect of electric field on photoconductivity in InSe single crystals International Journal of advanced research. 2015. Vol. 3. ISSUE 10. P. 593-598. ISSN No 2320-5407