

Curriculum vitae

Agageldi MUHAMMETGULYYEV

Contact information

Faculty of Science, Physics Department
Istanbul University, Vezneciler, Fatih, 34134 Istanbul, TURKEY

Phone: +90 212 455 57 00 [Ext. 15428]

agageldi.muhammetgulyyev@ogr.iu.edu.tr

mag.halach90@hotmail.com

<http://nano-optoelectronics.org>



Degrees

2017-Present PhD. Physics, Istanbul University, Istanbul, Turkey

2014-2017 MSc. Physics, Istanbul University, Istanbul, Turkey;

Dissertation Title "*Investigation of Electrical and Optical Properties of Solar Cells Based on III-V Group Semiconductors*"

[Supervised by Prof. Ayşe EROL]

2010-2014 BSc. Physics, Istanbul University, Istanbul, Turkey

Graduation Thesis Title "*Electrical and Optical Characterization of Light Emitting Diodes (LED) & Design DC Power Supply*"

[Supervised by Prof. Ayşe EROL]

Graduated with high distinction

2009-2010 Turkish Language Preparation, School of Foreign Languages, Istanbul University, Istanbul, Turkey

Scholarly activities

2002-2006 National Physics Olympics (Turkmenistan)

Research Areas

Solar cells based on III-V compounds, Multijunction Solar cells, Fabrication, Electrical, Optical, Structural Characterization and Applications.

Awards

Graduate Scholarship Program for International Students, Scientific and Technological Research Council of Turkey (09/2014-09/2016)

Computer skills

MS Office (Word, Power Point and Excel): *Excellent*

Origin Pro: *Good User*

MATLAB & MATHEMATICA: *Intermediate*

AUTOCAD: *Intermediate*

ANSYS Mechanical and Workbench: *Beginner (Thermal, Structural and Flow Fluid analysis)*

Languages

Turkmen: *Native Speaker*

Turkish: *Near Native*

Russian: *Good Command*

English: *Good Command*

Presentations

Muhammetgulyyev. A., Kinaci. B., Donmez. Ö, Erol. A., 2016, "Characterization of hetero-structure single pin junction solar cells based on III-N-V and III-Bi-V alloys", SOLAR TR 2016 Solar Conference & Exhibition, 6-8 December 2016, Istanbul, Turkey, Oral presentation.

Muhammetgulyyev. A., Sarcan. F., Kinaci. B., Donmez. O., Erol. A., 2017, "Characterization of heterojunction pin solar cells based on dilute bismide and dilute nitride", 8th International Workshop on Bismuth-Containing Semiconductors, 23-26 July 2017, Marburg, Germany, Poster presentation.

Muhammetgulyyev. A., Erbas. O. G., Sarcan. F., Kinaci. B., Donmez. O., Celebi. Y. G., Erol. A., 2017, "Comparison of Characteristics of Heterojunction pin Solar Cells Based on Dilute Bismide and Dilute Nitride Alloys" International Conference on Condensed Matter and Materials Science (ICCMMS-2017), 11-15 October 2017, Adana, Turkey, Oral Presentation.

Kinaci. B., Muhammetgulyyev. A., Erol. A., 2017, "Study on the Design and Optic Characterization of n-i-p-i GaInNAs Solar Cell" International Conference on Condensed Matter and Materials Science (ICCMMS-2017), 11-15 October 2017, Adana, Turkey, Poster Presentation.

Research Projects

Researcher, Istanbul University Scientific Research Project Coordination Unit (Project no: FYL-2016-20686), "Investigation of Electrical and Optical Properties of Solar Cells Based on III-V Group Semiconductors" (06/2016-06/2017)