CURRICULUM VITAE

EDUCATION

2012-...... **Istanbul Technical University**-Istanbul-Turkey (PhD student)
2008-2011 **Istanbul Technical University**-Istanbul-Turkey (Physics Engineering, MSc)
Thesis title : Dielectric Spectroscopy of Hydrogen bonding Thermotropic Side Chain Liquid Crystalline Polymers

2001-2007 **Izmir Institute of Technology** –Izmir-Turkey (Faculty of Science, department of Physics (English), B.S.) GPA:3.06/ 4.00 (honour degree with the 3rd highest mark)
Graduation Project: Fabrication of Large Area Mesas on Superconducting $Bi_2Sr_2CaCu_2O_{8+x}$ and Tunneling Characteristics of Intrinsic Josephson Junctions

1996-2000 **Savastepe Anatolian Teacher Training High-school**–Balıkesir-Turkey

AWARDS

- KOÇ Foundation- education grant (2012-2013 Academic year)
- Graduation with honour degree in B.S. education (Izmir Institute of Technology, Physics department -2007)

TEACHING EXPERIENCES

February 2010- continuing   Istanbul Technical University (Research Assistant Physics Engineering)

The courses given at Istanbul Technical University :
Physics I Laboratory
Physics II Laboratory
Statistical Phy.&Thermodynamics Laboratory
Physics III (Problem solving hours)
Modern Physics (Problem solving hours)
Analytical Mechanics (Problem solving hours)
Quantum Mechanics II (Problem solving hours)
Electromagnetik Theory (Problem solving hours)

December 2003- June 2007   Community Volunteers Foundation (TOG)- Sustainable social project/ volunteer educator and project advisor

PRESENTATIONS

December 2012- *"The molecular dynamics and phase transitions of crosslinking polymers with long alkyle side chains (dry and swollen states)"*, 16.National Symposium of Liquid State Physics, supported by Piri Reis University, Istanbul, (oral presentation)

September 2012- "*Dielectric Spectroscopy of hydrogen bonded Thermotropic Liquid Crystalline polymer with six methylene units in the side chain* " (**Broadband Dielectric Spectroscopy Congress 2012, Leipzig, Germany, poster)

May-June 2011- **"***Second course on Dielectric Spectroscopy***"**, San Sebastian, Spain

September 2010- "*Dielectric Spectroscopy and Phase Behavior of Side Chain Liquid Crystalline Copolymers* "(6th International Conference on Broadband Dielectric Spectroscopy and its Applications, Madrid, Spain ,poster)

November 2008- "*Structure of Metal-Oxide-Semiconductor capacitors*"–(oral presentation)-ITU- Turkey

August 2007- "*Fabrication of Large Area Mesas on Superconducting $Bi_2Sr_2CaCu_2O_{8+x}$ and Tunneling Characteristics of Intrinsic Josephson Junctions*" (24th International Physics Congress, Malatya, Turkey, poster)

May 2007- "*Fabrication and electrical characterization of natural intrinsic Josephson Junctions of BISCCO superconductive crystal*" –experimental working in period of 1 year (at the end of year, oral presentation and reporting, IZTECH - Turkey)

RESEARCH TOPICS AND INSTRUMENTATION

-Laser Spectroscopy
-Production and characterization of nanophosphors
- Bridgman Single Crystal Growth System
-Sol-gel synthesis
-Melt quenching method

Previous Experiences:

- Broadband Dielectric Spectroscopy (BDS- Novocontrol) system and nonlinear curve fitting
- Spectroscopic Ellipsometry system
- Thin film deposition techniques (Ion beam deposition, Sputtering)
- Superconductivity - superconductor materials and I-V measurements
- Dielectric spectroscopy, dielectric materials and phase transitions

- Polymeric materials and biopolymers
- MOS structures

COMPUTER SKILLS

- Microsoft Office Programmes (Word, Excel, PowerPoint,etc.),
- Fortran77 (intermediate level)
- Solidworks (basic level)
- Matlab
- Sigmaplot
- Origin (intermediate level)
- WINDETA, WINFIT (BDS Novocontrol softwares)

LANGUAGES

Turkish: Native language,

English: Advanced in reading skill, good at speaking and writing skills.

Russian: Basic knowledge