

CIRRICULUM VITAE AND PUBLICATION LIST

CIRRICULUM VITAE

Name : Yahya Kemal YOĞURTÇU

Date of Birth : 2.11.1952

Degree : Prof.Dr.

Title : Prof.Dr.

Degree	Department	University	Year
Undergraduate	Physics	Istanbul University	1969-1973
PhD	Solid State Physics	University of Bath –England	1976-1980

PhD Thesis Title and Supervisor:

“The higher order elastic constants of zincblende and rocksalt structure semiconductors.”

Prof.G.A.Saunders

Professional Experience:

Title	Place of Duty	Year
Assistant	Faculty of Basic Sciences , Istanbul Technical University	1974-1976
Dr.Assistant	Faculty of Arts and Sciences, Atatürk University	1982-1984
Assit.Prof.Dr.	Faculty of Arts and Sciences, Atatürk University	1982-1984
Assoc.Prof.Dr.	Faculty of Arts and Sciences, Atatürk University	1984-1990
Prof.Dr.	Faculty of Arts and Sciences, Atatürk University	1990-2007
Prof.Dr.	Faculty of Arts and Sciences, Istanbul Aydın University	2007-

Administrative Duties:

Dean	Faculty of Arts and Sciences, Istanbul Aydın University	2007-
Acting Principal	Atatürk University, Institute of Natural Sciences	1996-2000
Head of Department	Atatürk University, Physics,	1994-1998
Vice of Principal	Atatürk University, Institute of Natural Sciences	1987-1994
Vice of Principal	Atatürk University, Comp.&Research Center	1985-2000

Given Lectures in the last two years:

Academic Year	Semester	Name of the Course	Hours		Number of Students
			Theory	Pract.	
2009-2010	Fall	Physics - I	15	0	90
	Spring	Physics - II	15	0	90
2008-2009	Fall	Physics - I	5	0	50
	Spring	Physics - II	5	0	170

PUBLICATION LIST

A. Articles published in international scientific journals

- A1. Yoğurtçu Y K 1980 The higher order elastic constants of zincblende and rocksalt structure semiconductors. Ph.D thesis Bath University England (unpublished)
- A2. Brassington B, Miller A J, Lambson W A, Saunders G A and Yoğurtçu Y K 1980, The second and third order elastic constants of amorphous arsenic, Phil. Mag. 42,127
- A3. Yoğurtçu Y K, Lambson E F, Miller A J and Saunders G A 1980 An apparatus for high precision measurements of ultrasonic wave velocity, Ultrasonic, 18, 155
- A4. Yoğurtçu Y K, Miller A J and Saunders G A 1980 The pressure dependence of elastic constants of GaP, J.Phys.Chem. Solids, 42, 49
- A5. Miller A J , Saunders G A , Yoğurtçu Y K and Abey A E 1981 The pressure dependence of elastic constants and bond bending in HgTe, Phill. Mag.,43, 1447
- A6. Yoğurtçu Y K, Miller A J and Saunders G A 1981 Elastic behavior of YAG under pressure J.Phys. C: Solid State Phys. ,13, 6585
- A7. Miller A J , Saunders G A and Yoğurtçu Y K, 1981, The pressure dependence of elastic constants of PbTe, SnTe and Ge_{0.08}Sn_{0.92}Te, J.Phys.C. Solid State Phys. ,14,1549
- A8. Saunders G A and Yoğurtçu Y K, 1981 Free carrier contributions to second and third order elastic constants of antimony Phys. Lett. A 8,463
- A9. Saunders G A and Yoğurtçu Y K, 1981, Elastic constants and pressure derivatives and stability of bcc phase In-Tl alloys, Phys.Lett. A, 8,327
- A10. Ford P G, Miller A J, Saunders G A ,Yoğurtçu Y K, Furdayne J and Jaczynski M 1982, The effect of pressure on elastic constants of HgTe up to the transition J.Phys. C: Solid State Phys., 15,657
- A11. Hailing Tu, Saunders G A ,Yoğurtçu Y K, Bach H and Methfessel S 1984, Poisson ratio limits and hydrostatic pressure on the elastic behavior of Sm_{1-x}Y_xS alloys in intermediate valance state. J.Phys.C. Solid State Phys., 17,4559
- A12. Saunders G A and Yoğurtçu Y K, 1984 Third order elastic constants and acoustic mode vibrational anharmonicity of antimony, Phys.Rev.B, 40,5743
- A13. Flower S C, Saunders G A and Yoğurtçu Y K, 1985, The hydrostatic pressure derivatives of the elastic constants of Indium and fct indium-cadmium alloy, J.Phys.Chem. Solids. ,46,97
- A14. Macdonald J E, Saunders G A ,Yoğurtçu Y K and Honle W 1985 Elastic behavior under hydrostatic pressure of cluster compounds (Ag₆Ge₄P₁₂)Ge₆ , J. Phys. Chem. Solids., 46,951

- A15.** Yoğurtçu Y K, Hailing Tu and Saunders, Bach H and Methfessel S 1985, Anomalous temperature and pressure dependence of elastic constants of intermediate valence crystals $\text{Sm}_{0.58}\text{Y}_{0.42}\text{S}$, *J.Mat.Science Letters*, 4,230
- A16.** Yoğurtçu Y K, Saunders and Riedi P 1985, Third order elastic constants and acoustic mode vibrational anharmonicity of cobalt, *Phill. Mag. A.*, 52, 833
- A17.** Saunders G A and Yoğurtçu Y K, 1986 The effect of hydrostatic and uniaxial pressure on the elastic constants of cadmium, *J.Phys.Chem. Solids.*, 47,421
- A18.** Saunders G A , Yoğurtçu Y K, Macdonald J E and Pawley G S 1986, Elastic behavior of orthorhombic sulfur under pressure, *Prog. R. Soc. Lond. A* 407, 325
- A19.** Uçar. N, Düzgün B and Yoğurtçu Y K 1993 Dislocation mobility and basal and non-basal planes in Cd single crystals, *Phys. Stat. Sol. (a)*, 135, K55
- A20.** Abay B, Gürbulak B, Yıldırım M, Efeoğlu H and Yoğurtçu Y K 1995, Electrothermal investigation of the switching phenomena in p-type TlInSe_2 single crystals *Physica, Status Solidi* 153, 145
- A21.** Ayyıldız E, Nuhoglu Ç, Yoğurtçu Y K and Köleli F ,1995, The ESR spectroscopic investigation of the electrochemical reduction of benzyl halides in acetonitrile , *Tr. J. Chem.* 19, 275
- A22.** Ayyıldız E, Türüt A M, Efeoğlu H, Tüzemen S, Sağlam M and Yoğurtçu Y K 1996, Effect of series resistance on the forward current-voltage characteristics of schottky diodes in the presence of interfacial layer *Solid State Electronics*, 39(1),83
- A23.** Yıldırım M, Efeoğlu H, Abay B and Yoğurtçu Y K 1996, Temperature dependence of magnetoresistance in neutron irradiated and unirradiated high resistivity p-Type Silicon, *Physica Status Solidi* 153,473
- A24.** Abay B, Gürbulak B, Yıldırım M, Efeoğlu H, Tüzemen S and Yoğurtçu Y K, 1996 Electrothermal investigation of the switching effect in p-type TlInSe_2 , TlInTe_2 and TlGaTe_2 chain chalcogenide semiconductors, *Journal of Electronic Materials* 25(7), 1054
- A25.** Yıldırım M, Gürbulak B, Abay B, Efeoğlu H, Tüzemen S and Yoğurtçu Y K, 1996, Temperature dependence of galvanomagnetic properties for Er doped and undoped p-Type InSe, *Journal of Applied Physics* 80(8),4437
- A26.** Abay B., Onganer Y., Sağlam M., Efeoğlu H., Türüt A., Yoğurtçu Y. K.. 1997 Characteristics of metallic polymer and Au Schottky contacts on cleaved surfaces of $\text{InSe}(\text{:Er})$. *Solid State Electronics*, 41(6), 924
- A27.** Nuhoglu Ç., Ucu F., Ayyıldız E., Yoğurtçu Y. K., Şakiroğlu H Küfrevioğlu., I.. 1997 EPR spectroscopy of Dog-Rose Polyphenoloxidase *Tr. J. of Chemistry*, 21, 188

- A28.** Nuhuğlu Ç., Demir N., Nalbantoğlu B., Küfrevioğlu Ö. İ., Yoğurtçu Y. K., Özdemir H. and E. Ayyıldız 1997 Electron Spin Resonance studies on cobalt carbonic anhydrase-substrate complexes. *Tr. J. of Chemistry*, 21, 134
- A29.** Abay B, Efeoglu H and Yoğurtçu Y K 1998 Low temperature photoluminescence of n-InSe layer semiconductor crystals, *Materials Research Bulletin* 33(9), 1401
- A30.** B Abay, H S Güder, E Efeoglu, Y K Yoğurtçu, 1998 Urbach-Matienssen tails in Er-Doped and Undoped n-type InSe, *Physica B* 254, 148-155
- A31.** Abay B, Güder H.S, Efeoglu H and Yoğurtçu Y.K, 1998, Influence of temperature and phase transition on the Urbach's tails of absorption spectra for TlInS₂ single crystals, *J. Appl. Phys.*, 84(7), 72-77
- A32.** Bakkaloğlu Ö F, Karahan İ H, Efeoglu H, Yıldırım M, Çevik U, Yoğurtçu Y K, 1998, Magnetic studies on electrodeposited Cu_{1-x}Cox alloy films. *Journal of Magnetism and Magnetic Materials*, 190, 193
- A33.** Abay B, Güder H. S and Yoğurtçu Y. K, 1999. Urbach-Martienssen's tails in layered semiconductor GaSe, *Solid State Communications*, 112, 489,
- A34.** Abay B, Güder H. S, Efeoglu H and Yoğurtçu , Y. K, 1999, Excitonic absorption and Urbach-Martienssen's tails in Er doped and undoped n-type InSe, *J Phys. D: Applied Physics*, 32, 2942
- A35.** Gürbulak B. Yıldırım M. Efeoglu H. Tüzemen S. and Yoğurtçu Y.K. 1998 Temperature Dependence of Galvanomagnetic Properties for Gd Doped and Undoped p-Type GaSe. *J. Appl. Phys.* 83 (4), 2030,
- A36.** Gürbulak B. Yıldırım M. Abay B. Tüzemen S. Alieva M. and Yoğurtçu Y.K. 1998, Growth and Optical properties of Ho Doped n-Type Indium Selenide. *Physica Status Solide (a)* 168, 2,
- A37.** Gürbulak B. Ateş A. Doğan S. Coşkun C. Yıldırım M. and Yoğurtçu Y.K. 1999 The Growth of AlIBVI Single Crystals. *Bulletin of Pure Applied Sciences*, 18., 33-40
- A38.** Gürbulak B. Yıldırım M. Ateş A. Doğan S. and Yoğurtçu Y.K. 1999 Growth and Temperature Dependence of Optical Properties of Er doped and undoped n-type InSe. *Jpn. Journal Applied Physics* 38, 1
- A39.** Çankaya G, Uçar N, Ayyildiz E, Efeoglu E, Türüt A, Tüzemen S and Yoğurtçu Y K 1999 Effect of hydrostatic pressure on the characteristic parameters of Au/n-GaAs Schottky- barrier diodes, *Physical Review B* 60, 15944
- A40.** Gürbulak B. Yıldırım M. Ateş A. Doğan S. Coşkun C. and Yoğurtçu Y.K. 2000 Temperature Dependence of magnetoresistance and Hall Effect for Ho Doped n-Type InSe. *Physica Scripta* 62,92

- A41.** Gürbulak B, Doğan S, Ateş A, Abay B, Coşkun C, Yıldırım M, Tüzemen S, and Yoğurtçu Y.K, 1997 Temperature Dependence of Electrical and Optic Properties for Er Doped and Undoped n-type InSe, *Balkan Physics Letters*, 5(4), 2585,
- A42.** Gürbulak B, Doğan S, Ateş A, Abay B, Coşkun C, Yıldırım M, Tüzemen S, and Yoğurtçu Y.K, 1997 Temperature Dependence of Electrical and Optic Properties for Gd Doped and Undoped p-Type GaSe, *Balkan Physics Letters*, 5(2), 740-743,
- A43.** Abay B, Onganer Y, Sağlam M, Efeoğlu H, Türüt A and Yoğurtçu Y. K, 2000 Current-voltage and capacitance-voltage characteristics of metallic polymer/InSe(:Er) Schottky contacts, *Microelectronic Engineering*, 51-52, 689, (Proceedings of LDSD'99 The Third International Conference on Low Dimensional Structures and Devices)
- A44.** Abay B, Güder H. S, Efeoğlu H and Yoğurtçu Y. K, 2000 Excitonic absorption and Urbach-Martienssen's tails in Gd-doped and undoped p-type GaSe, *Semiconductor Science and Technology*, 15, 535
- A45.** Abay B, Güder H.S., Efeoğlu H., and Yoğurtçu Y.K, 2001 Temperature dependence of optical energy gap and Urbach-Martienssen's tail in the absorption spectra of layered semiconductor $Tl_2GaInSe_4$, *J. Phys. and Chem. Solids*, 62,747
- A46.** Abay B, Güder H.S., Efeoğlu H., and Yoğurtçu Y.K, 2001 Photoluminescence characterisation of GaTe single crystals *J.Luminescence* 93, 243
- A47.** Abay B, Efeoğlu H., Yoğurtçu Y.K, and Alieva M 2001 Low temperature visible photoluminescence spectra of $Tl_2GaInSe_4$ layered crystals, *Semicond. Sci.Technol*, 16, 745
- A48.** Yoğurtcu Y K 2002 Comment on ' The optical investigation of $TlGa_{0.999}Pr_{0.001}Se_2$ and $TlGaSe_2$ single crystals' [*Physica B* 293 (2001) 289], *Physica B* 315, 297
- A49.** Abay B, Cankaya G, Guder H S, Efeoğlu H and Yoğurtcu Y K 2003 Barrier characteristics of Cd/p-GaTe Schottky diodes based on I-V-T measurements, *Semicon. Sci. Technol.* 18 (2), 75
- A50.** H Efeoğlu, T Karacali, B Abay and Y K Yoğurtçu ,2004 Electrical transport properties of p-GaTe grown by directional freezing method *Semicond.Sci.Technol* 19, 523-530

B.Paper submitted in international Meetings/ Congresses:

- B1.** Yoğurtçu Y K, Abey A E, Miller A J and Saunders G A 1979, Higher order elastic properties of some zincblende and rocksalt structure semiconductors *Proc. 7th AIRAPT Int. Conf. Le Cresot France*, published in *High Pressure Science and Technology* 1, 302, 1980. Edited By Vadar B and Marteau Ph. Pergamon Press. Oxford (Invited paper)
- B2.** Brassington B, Miller A J, Lambson W A Saunders G A and Yoğurtçu Y K 1979, The second and third order elastic constants of amorphous arsenic. one day meeting the

nature of glassy state 5th October 1979 Blackett Lab. Imperial College London
(Arranged by Institute of Physics)

- B3.** Abbey A E , Yoğurtçu Y K, Miller A J and Saunders G A 1980, Higher order elastic constants of zinc blende structure GaP and HgTe and rocksalt structure PbTe, SnTe and Ge_{0.08}Sn_{0.92}Te Chicago meeting of American Physical Society 21-24 January 1980 Published in Bull. Amer. Phys. Soc. 25,18
- B4.** Ford P J, Miller A J, Saunders G A and Yoğurtçu Y K, 1981 The effect of pressure dependence of elastic constants, bond bending and phase transition in HgTe and HgSe. Solid State Conference 4-8 February, Warwick, England
- B5.** Saunders G A, Yoğurtçu Y K and Miller A J 1981, The effect of pressure dependence of elastic constants, bond bending and phase transition in HgTe and HgSe. Proc. of 5. General Conference of European Physical Society in Collaboration with Turkish Physical Society, Trend in Physics 7-11 September, Istanbul, Turkey
- B6.** Macdonald J E, Saunders G A, Yoğurtçu Y K and Honle W 1984, Elastic behavior under hydrostatic pressure of cluster compound (Ag₆ Ge₄ P₁₂)Ge₆ Solid State Physics Conference 19-21 December, Southampton University, England
- B7.** Tüzemen S, Abay B, Gürbulak B, Efeoğlu H, Yıldırım M and Yoğurtçu Y. K, 1994 Mapping of infra-red absorption centres in layered TlGaSe₂, TlGaS₂ and TlInS₂ The first international conference on materials for microelectronics 17-19 October Barcelona- Spain
- B8.** Abay B, Efeoğlu H, Gürbulak B, Yoğurtçu Y. K, Agaeva S. Kh, Alieva M. Kh, Darvishov N. G, and Pashaev A. M. 1995 Investigation of optic and photoelectrical properties of TlIn_{1-x}GaxSe₂ (0≤x≤0.3, 0.55≤x≤1) solid solution 10th International Conference on Ternary and Multiternary Compounds 19-22 September Stuttgart - Germany.
- B9.** Abay B, Efeoğlu H, Yıldırım M, Yoğurtçu Y. K, Alieva M. Kh, and Pashaev A. M. 1995 Carrier trapping and recombination in TlIn_{1-x}GaxSe₂ single crystals 10th International Conference on Ternary and Multiternary Compounds 19-22 September Stuttgart - Germany.
- B10.** Gürbulak B. Doğan S., Ateş A., Abay B., Coşkun C., Yıldırım M., Tüzemen S., and Yoğurtçu Y. K. 1997 Temperature Dependence of Electrical and Optical Properties for Gd Doped and Undoped p-type GaSe BPU-3 3rd General Conference of the Balkan Physical Union, September 2-5 Cluj-Napoca, ROMANIA
- B11.** Güder H. S, Abay B, Efeoğlu H, and Yoğurtçu Y. K, 2000 Radiative Recombination Centers in GaTe, BPU-4 4th General Conference of the Balkan Physical Union, 22-25 August, Veliko Turnovo, Bulgaria, (Oral Presentation)
- B12.** Coskun C, Efeoğlu H, Güder H. S, Abay B, Aydoğan Ş, Karacali T and Yoğurtçu Y. K, 2000 Specific Contact Resistance Measurements on metal-GaTe Contacts and Its Optimisation, BPU-4 Fourth General Conference of the Balkan Physical Union, 22-25 August, Veliko Turnovo, Bulgaria, (Oral Presentation)

B13. Hasan E, Coskun C, Karacali T, Aydogan S, Yogurtcu Y K, 2000 “Lab-PC+™ and CONTROLLING of a MINIATURE ALLOYING FURNACE UNIT”, Proceedings – NIWeek 2000-National Inst. Conference on Measurement and Automation, 16-18 August, Austin, Texas

B14. Hasan E, Karacali T, Coskun C, Yogurtcu Y K 2000, “PC Based Automation of Keithley 610C Electrometer for Current-Voltage Measurements Using Lab PC+”, Proceedings–NIWeek 2000-National Inst. Conference on Measurement and Automation, 16-18 August, Austin, Texas

C. Written International Books or Chapters in Books:

D. Articles published in national scientific journals

- D.1** DüzgünB, Uçar. N ve Yoğurtçu Y K 1990, Modifiye Bridgman yöntemiyle büyütülen Cd-tek kristalinde, dislokasyon yoğunluğundaki büyümenin ısıtma işlemle azaltılması DOGA-Tr. J.Physics, 14, 435
- D.2** Uçar. N, DüzgünB ve Yoğurtçu Y K 1993 The relationship between $1/3 [11\bar{2}3]$ Burgers' vectors slip plane and crystal growth direction in Cd single crystal, DOGA-Tr. J.Phys., 17, 482
- D.3** Uçar. N, Düzgün B and Yoğurtçu Y K 1994, Osmotic force acting on edge dislocation in plastically defined Cd Tr. J Phys. 18, 547
- D.4** Uçar. N, DüzgünB, Ekinci A and Yoğurtçu Y K 1994, The calculation of Peierls-Nabarro stress for operative slip systems in β -Sn single crystals at room temperature Tr. J Phys., 18, 740
- D.5** Uçar. N, Yoğurtçu Y K and Düzgün B 1994, The climb rate in plastically deformed Cd, Tr. J Phys. 18, 619
- D.6** Gürbulak B. Coşkun C. Doğan S. Ateş A. and Yoğurtçu Y.K. 2000 The Growth of p-Type $A^{III}B^{III}C_2^{VI}$ Single Crystals. Turk J. Phy. 24(1),29
- D.7** Güder H.S., Abay B, Efeoğlu H., Coşkun C, Aydoğan Ş and Yoğurtçu Y.K, 2001 Electrical characterization of GaTe and GaTe:Cu semiconductor compounds Turk J Phys 25(6), 281
- D.8** Gürbulak B. Yıldırım M.. Ateş A. Tüzemen S and Yoğurtçu Y.K. 2000 The Absorption Properties of p-Type $TlIn_xGa(1-x)Se_2$ and $TlGaSe_2$ Turk J. Phy 24, 49.
- D.9** Abay B, Güder H.S., Efeoğlu H and Yoğurtçu Y.K, 2001 Urbach –Martienssen's tail in layered semiconductor $TlGaS_2$ Turk J Phys 25(6), 243

E. Papers submitted in national Meetings / Congress

- E1.** Efeoğlu H, Tüzemen S, Sağlam M, Trüt A , Abay B, Yıldırım M, Gürbulak B, Coşkun C ve Yoğurtçu Y. K, 1995, LEC tekniğiyle büyütülmüş GaAs de kuantum veriminin lazer yardımcı anodik oksidasyon ile artırılması Türk Fizik Derneği 15. Ulusal Fizik Kongresi 26-29 Eylül 1995 Kaş- Antalya
- E2.** Efeoğlu H, Tüzemen S, Yıldırım M, Abay B, Trüt A , Sağlam M, Gürbulak B ve Yoğurtçu, 1995 Y. K Tam otomatik fotoluminesans sisteminin dizaynı ve yarıiletken karakterizasyonunda uygulaması Türk Fizik Derneği 15. Ulusal Fizik Kongresi 26-29 Eylül 1995 Kaş- Antalya

- E3.** Gürbulak B, Yıldırım M, Abay B, Tüzemen S, Efeoğlu H, Doğan S ve Yoğurtçu Y. K LEC tekniğiyle büyütülmüş n-tipi GaAs de galvanomagnetik etkilerin sıcaklığa bağlı incelenmesi Türk Fizik Derneği 15. Ulusal Fizik Kongresi 26-29 Eylül 1995 Kaş-Antalya
- E4.** Nuhoglu Ç, Nuhoglu Y ve Yoğurtçu Y K 1995 Hava kirliliğinin bitkilere etkilerinin ESR tekniğiyle belirlenmesi, Çevre sempozyumu 18-20 Eylül Atatürk Üniversitesi Mühendislik Fakültesi Erzurum
- E5.** Gürbulak B, Abay B, Coşkun C, Ateş A, Alieva M. Kh ve Yoğurtçu Y.K, 1996, InSe ve InSe:Er Kristallerinin Büyütülmesi ve Eksiton Enerjilerinin Sıcaklığa Bağlılığı, TFD 16. Ulusal Fizik Kongresi 26-29 Ağustos, Ayvalık-Balıkesir.
- E6.** Gürbulak B, Abay B, Doğan S, Güder H, Çankaya G ve Yoğurtçu Y.K, 1996 TlGaSe₂ ve TlGaSe₂:Gd Kristallerinde Sıcaklığın Soğurmaya Etkisi, TFD 16. Ulusal Fizik Kongresi 26-29 Ağustos, Ayvalık-Balıkesir.
- E7.** Tüzemen S, Efeoğlu H, Abay B, Yıldırım M, Gürbulak B and Yoğurtçu Y.K, 1996 Optical Assesment of Bulk and Epitaxial Structures, Optical Spectroscopy of Low Dimensional Semiconductor Structures, NATO-ASI (Advanced Study Institute), September 9-20, Bilkent University, Ankara-Antalya.
- E8.** Karacali T, Coşkun C, Efeoğlu H, Yoğurtçu Y K, 1998 Keithley 610C elektrometresinin Akım-Gerilim ölçümleri için bilgisayar kontrolüne alınması. Türk Fizik Derneği 17. Ulusal Fizik Kongresi 27-30 Ekim, Alanya.
- E9.** Çankaya G, Uçar N, Efeoğlu H, Yoğurtçu Y K, 1998 Yarıiletken malzemelerin elektriksel özelliklerini incelemek için hidrostatik basınç ünitesinin dizaynı ve yapımı. Türk Fizik Derneği 17. Ulusal Fizik Kongresi 27-30 Ekim, Alanya.
- E10.** Güder H S, Abay B, Coşkun C, Efeoğlu H, Yoğurtçu Y K, 1998 GaTe ve GaTe<Er> tabakalı yarıiletken kristallerin büyütülmesi, elektrik ve optik karakterizasyonu Türk Fizik Derneği 17. Ulusal Fizik Kongresi 27-30 Ekim, Alanya
- E11.** Abay B, Onganer Y, Sağlam M, Efeoğlu H, Türüt A and Yoğurtçu Y. K, Metalik Polimer/InSe:(Er) Schottky Kontaktlarının Akım-Voltaj ve Kapasite-Voltaj Karakteristikleri, LDSD'99 The Third International Conference on Low Dimensional Structures and Devices, 15-17 September 1999, Antalya, Turkey (Poster Presentation).
- E12.** Efeoğlu H, Abay B ve Yoğurtçu Y. K, Er⁺³ İyonunun Silisyumda Optik Aktivitesi, TFD 18. Ulusal Fizik Kongresi 25-28 Ekim 1999, Çukurova Üniversitesi, Adana, (Poster Bildiri).
- E13.** Abay B, Güder H. S, Efeoğlu H, ve Yoğurtçu Y. K, TlGaS₂ Üçlü Yarıiletken Bileşiğinde Eksitonik Soğurma ve Urbach-Martienssen Kuralı, TFD 18. Ulusal Fizik Kongresi 25-28 Ekim 1999, Çukurova Üniversitesi, Adana, (Sözlü Bildiri).
- E14.** Güder H. S, Abay B, Efeoğlu H, Coşkun C, Aydoğan Ş. ve Yoğurtçu Y. K, GaTe ve GaTe:Cu Yarıiletken Bileşiklerinin Elektriksel Karakterizasyonu, TFD 18. Ulusal Fizik Kongresi 25-28 Ekim 1999, Çukurova Üniversitesi, Adana, (Sözlü Bildiri).

- E15.** Gürbulak B, Ateş A, Doğan S, Yıldırım M and Yoğurtçu Y. K. A^{III}B^{VI} Tek Kristallerin Büyütülmesi Türk fizik Derneği 17. Ulusal Fizik Kongresi 27-31 Ekim 1998 Alanya ANTALYA.
- E16.** Coşkun C, Karacalı T, Efeoğlu H, Yoğurtçu Y K, 1998 Hall, Rezistivite ve Magnetorezistans ölçümü için enstrumentasyon. Türk Fizik Derneği 17. Ulusal Fizik Kongresi 27-30 Ekim, Alanya
- E17.** Bakkaloğlu Ö.F, Karahan İ.H, Efeoğlu H, Yıldırım M, Çevik U ve Yoğurtçu Y K 1999 Magnetisation measurements on electrodeposited Cu_{1-x}Cox alloy filmsTürk Fizik Derneği 18. Ulusal Fizik Kongresi 25-28 Ekim, Adana
- E18.** Güder H S, Abay B, Efeoğlu H, Coşkun C, Aydoğan Ş ve Yoğurtçu Y K 1999 GaTe ve GaTE:Cu yarıiletken bileşiklerin elektriksel karakterizasyonu Türk Fizik Derneği 18. Ulusal Fizik Kongresi 25-28 Ekim, Adana
- E19.** Efeoğlu H, Abay C, ve Yoğurtçu Y K 1999 Er+3 İyonunun Silisyumda Optik Aktivitesi Türk Fizik Derneği 18. Ulusal Fizik Kongresi 25-28 Ekim, Adana
- E20.** Abay B, Efeoğlu H, Güder H. S, Alieva M and Yoğurtçu Y. K, 2000 Low-Temperature Visible Photoluminescence Spectra of Tl₂GaInSe₄ Layered Crystal, TFD 19. Ulusal Fizik Kongresi, 26-29 Eylül, Fırat Üniversitesi, Elazığ, (Sözlü Bildiri)
- E21.** Güder H. S, Abay B, Efeoğlu H and Yoğurtçu Y. K, 2000 Low Temperature Photoluminescence of GaTe ve GaTe:Er, TFD 19. Ulusal Fizik Kongresi, 26-29 Eylül, Fırat Üniversitesi, Elazığ, (Sözlü Bildiri).
- E22.** Efeoğlu H, Gülnahar M, Abay B, Coşkun C, Güder H. S, Aydoğan Ş, Karaçalı T and Yoğurtçu Y. K, 2000 Low Temperature Near Band Edge Photoluminescence Characterisation of GaTe, TFD 19. Ulusal Fizik Kongresi, 26-29 Eylül, Fırat Üniversitesi, Elazığ, (Sözlü Bildiri)
- E23.** Coskun C, Efeoğlu H, Abay B, Güder H. S, Aydoğan Ş, Karaçalı T and Yoğurtçu Y. K, 2000 GaTe Tabakalı Yarıiletkeni İçin Omik Kontak Optimizasyonu ve Yapısal Karakterizasyon, TFD 19. Ulusal Fizik Kongresi, 26-29 Eylül, Fırat Üniversitesi, Elazığ, (Sözlü Bildiri).
- E24.** Gürbulak, B. Duman, S., Yıldırım, M. ,Tüzemen S. ve Yoğurtçu Y. K, 2000 TlGaS₂ Tek Kristalinin Optik Özelliklerine Fe'nin Etkisi, TFD II.Ulusal Yoğun Madde Fiziği Kongresi, 22-24 Haziran ERZURUM (Sözlü Bildiri)
- E25.** Gürbulak, B, Yıldırım M. Yoğurtçu Y.K.. Aliyeva, S. Kh,. Agayeva, S. Kh, 2000 Anomaly of Temperature Behaviour of Optical and Photoelectrical Properties of TlIn_{1-x}Gd_xS₂ and TlIn_{1-x}Er_xS₂Single Crystals, TFD II.Ulusal Yoğun Madde Fiziği Kongresi, 22-24 Haziran ERZURUM (Sözlü Bildiri)
- E26.** Coskun C, Efeoğlu H, Abay B, Güder H S, Aydoğan Ş, Karaçalı T and Yoğurtçu Y K, 2000 GaTe Tabakalı Yarıiletkeni İçin Omik Kontak Optimizasyonu ve Yapısal

Karakterizasyon, TFD 19. Ulusal Fizik Kongresi, 26-29 Eylül, Fırat Üniversitesi, Elazığ, (Sözlü Bildiri).

- E27.** Abay B, Güder HS, Aydemir UM, Soylu M, Efeoğlu H, Alieva M.Kh and Yoğurtcu YK 2002, Composition and temperature dependence of the optical enerji gap of the layered $TlGa_{(1-x)}In_xSe_2$ mixed crystals, TFD 21. Fizik Kongresi 11-14 Eylül Isparta (sözlü bildiri)
- E28.** Efeoğlu H, Abay B, Karacalı T, Aydınlı A and Yoğurtçu YK 2002, Doğrudan katılaştırma yöntemi ile büyütülmüş GaTe ,in elektriksel özellikleri ve ısıl işlemin etkisi, TFD 21. Fizik Kongresi 11-14 Eylül Isparta (sözlü bildiri)
- E29.** Çankaya G, Abay B, Güder HS, Uçar M, Efeoğlu H and Yoğurtçu YK 2002, Current – Voltaj characteristics of Mn/p-GaTe Schottky barrier diodes under hydrostatic pressure, TFD 21. Fizik Kongresi 11-14 Eylül Isparta (sözlü bildiri)
- E30.** Çankaya G, Abay B, Güder H S and Yoğurtçu Y K, 2004 Effect of Hydrostatic Pressure on Current–Voltaj Characteristics of Cd/p-GaTe Schottky Diodes, TFD 22. Ulusal Fizik Kongresi, 14-17 Eylül, Bodrum-Muğla
- E31.** Biljana Pejova, Ivan Grazdonov, Bahattin Abay and Y.Kemal Yogurtcu 2008 Thin Films of Semiconducting Close Packed ZnSe Quantum dDots: Temperature Dependence of the Band Gap Energy and Sub-band Gap Absorbtion Tails 4. Nanobilim ve Nanoteknoloji Konferansı, İstanbul Teknik Üniversitesi 9-13 Haziran , İstanbul

F.Other Publications

- F1.** Katıların Fiziği ,2005, Aktif Yayınları, İstanbul (ISBN : 975-8986-07-4) (Lisans öğrencileri için ders kitabı)
- F2.** Katıların Optik Özellikleri (lisansüstü öğrenciler için) (Yayına hazır 2009 yılı içerisinde basılacak)
- F3.** Elektronik I Laboratuvarı Deney Klavuzu 1996 Atatürk Üniversitesi Fen-Edebiyat Fakültesi Yayınları
- F4.** Elektronik II Laboratuvarı Deney Klavuzu 1996 Atatürk Üniversitesi Fen-EdebiyatFakültesi Yayınları