

# Prof. EMİNE ÖZTÜRK

## Personal Information

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## Education Information

Doctorate, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Fizik Bölümü, Turkey 1995 - 2000

Postgraduate, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Fizik Bölümü, Turkey 1992 - 1994

Undergraduate, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Fizik Bölümü, Turkey 1985 - 1989

## Foreign Languages

English, B1 Intermediate

## Dissertations

Doctorate, DELTA-KATKILI GaAs YAPILARDA ELEKTRONİK YAPI, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2000

Postgraduate, FARKLI KATKILANMIŞ YARIİLETKEN MALZEMELERİN ARAYÜZEY POTANSİYEL PROFİLLERİNİN BELİRLENMESİ, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Fizik Bölümü, 1994

## Research Areas

Natural Sciences

## Academic Titles / Tasks

Professor, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2010 - Continues

Associate Professor, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2005 - 2010

Assistant Professor, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2001 - 2005

Research Assistant, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Fizik Bölümü, 1990 - 2001

## Academic and Administrative Experience

Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2005 - Continues

Fakülte Akademik Kurul Üyesi, Sivas Cumhuriyet University, Fen Fakültesi, Fizik Bölümü, 2015 - 2018

Sivas Cumhuriyet Üniversitesi, Divriği Nuri Demirağ Meslek Yüksek Okulu, 2008 - 2009

Fakülte Akademik Kurul Üyesi, Sivas Cumhuriyet University, Fen Fakültesi, Fizik Bölümü, 2006 - 2009

Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2005 - 2008

## Courses

Fizikte Matematiksel Yöntemler - II, Undergraduate, 2018 - 2019  
Matematiksel Fizik-II, Postgraduate, 2018 - 2019  
Mühendisler için Elektronik, Undergraduate, 2018 - 2019  
Elektronik Laboratuvarı, Undergraduate, 2018 - 2019  
Modern Fizik Laboratuvarı, Undergraduate, 2019 - 2020  
Uzmanlık Alan Dersi, Postgraduate, 2019 - 2020  
Fizik - I, Undergraduate, 2019 - 2020  
Matematiksel Fizik-I, Postgraduate, 2019 - 2020  
Genel Fizik I, Undergraduate, 2018 - 2019  
Fizikte Matematiksel Yöntemler - I, Undergraduate, 2019 - 2020  
Genel Fizik Laboratuvarı - II, Undergraduate, 2018 - 2019  
Genel Fizik I, Undergraduate, 2019 - 2020  
Matematiksel Fizikte Özel Konular, Doctorate, 2018 - 2019  
Genel Fizik Laboratuvarı - II, Undergraduate, 2017 - 2018  
Fizikte Matematiksel Yöntemler - I, Undergraduate, 2018 - 2019  
Fizikte Matematiksel Yöntemler - II, Undergraduate, 2017 - 2018  
Tez Çalışması, Postgraduate, 2018 - 2019  
Seminer Dersi, Postgraduate, 2018 - 2019  
Genel Fizik II, Undergraduate, 2016 - 2017  
Fizik - II, Undergraduate, 2016 - 2017  
Genel Fizik II, Undergraduate, 2016 - 2017  
Fizik - I, Undergraduate, 2017 - 2018  
Fizik-II, Undergraduate, 2016 - 2017  
Elektromanyetik Teo., Undergraduate, 2016 - 2017  
Fizik - II, Undergraduate, 2016 - 2017  
Fizik-I, Undergraduate, 2016 - 2017  
Genel Fizik Laboratuvarı - I, Undergraduate, 2017 - 2018  
Fizik Lab. II, Undergraduate, 2015 - 2016  
Fizik Lab.I, Undergraduate, 2016 - 2017  
Fizik-II, Undergraduate, 2015 - 2016  
Elektromanyetik Teo., Undergraduate, 2015 - 2016  
Fizik-I, Undergraduate, 2016 - 2017  
Elkt Ve Elkt. Muh. Tem, Undergraduate, 2014 - 2015  
Yarıiletken Optoelektronik, Postgraduate, 2015 - 2016  
Genel Fizik Laboratuvarı, Undergraduate, 2014 - 2015  
Elkt Ve Elkt. Muh. Tem, Undergraduate, 2015 - 2016  
Genel Fizik Laboratuvarı, Undergraduate, 2014 - 2015  
Fizikte Matematik Yöntemler, Undergraduate, 2015 - 2016  
Genel Fizik Lab - III, Undergraduate, 2014 - 2015  
Genel Fizik Lab - III, Undergraduate, 2014 - 2015  
Fizik Lab.Iv (Elek.Man.Dal.Ve Optik), Undergraduate, 2013 - 2014  
Genel Fizik II, Undergraduate, 2013 - 2014  
Fizik Lab . Vi( Atom Ve Mol., Undergraduate, 2012 - 2013  
Fizik Lab . Vi( Atom Ve Mol., Undergraduate, 2012 - 2013  
Genel Fizik II, Undergraduate, 2011 - 2012  
Fizik Lab. V ( Elektronik), Undergraduate, 2012 - 2013  
Fizik Lab. II, Undergraduate, 2010 - 2011  
Genel Fizik I, Undergraduate, 2011 - 2012  
Genel Fizik I, Undergraduate, 2011 - 2012

Fizik I, Undergraduate, 2010 - 2011  
Fizik Lab. III (Elek. Ve Man.), Undergraduate, 2010 - 2011  
Fizik II, Undergraduate, 2009 - 2010  
Fizik Lab. III (Elek. Ve Man.), Undergraduate, 2010 - 2011  
Temel Fizik, Associate Degree, 2009 - 2010  
Fizik Ve Geometrik Optik - I, Associate Degree, 2009 - 2010  
Temel Fizik, Associate Degree, 2009 - 2010  
Fizik - I, Associate Degree, 2009 - 2010  
Genel Fizik, Undergraduate, 2007 - 2008  
Fizik Lab.I, Undergraduate, 2006 - 2007  
Kathal Fiziği, Undergraduate, 2005 - 2006

## Advising Theses

Öztürk E., Farklı Al katkısına bağlı olarak simetrik ve asimetrik GaAlAs/GaAs yapılarının değişimi, Postgraduate, H.BOYRAZ(Student), 2021  
ÖZTÜRK E., N-tipi Delta-katkılı GaAs yapılarında lineer ve lineer olmayan geçişler, Postgraduate, Y.ÖZDEMİR(Student), 2013  
ÖZTÜRK E., Farklı kuantum kuyularının elektrik alan altında davranışları, Postgraduate, E.KÖSE(Student), 2009  
ÖZTÜRK E., P-tipi delta katkılı GaAs yapıların elektronik özellikleri, Postgraduate, M.KEMAL(Student), 2007

## Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Depending on the intense laser field of the nonlinear optical rectification, second and third harmonic generation in asymmetric parabolic-step and inverse parabolic-step quantum wells**  
ÖZTÜRK O., ÖZTÜRK E., Elagoz S.  
PHYSICA SCRIPTA, vol.94, no.11, 2019 (Journal Indexed in SCI)
- II. **The effect of intense laser field on the nonlinear optical features in asymmetric multiple step and inverse V-shaped multiple step quantum wells**  
Öztürk O., Öztürk E., Elagoz S.  
LASER PHYSICS, vol.29, 2019 (Journal Indexed in SCI)
- III. **Dependence on well widths of total optical absorption coefficient of asymmetric triple GaAlAs/GaAs and GaInAs/GaAs quantum wells**  
ÖZTÜRK O., ÖZTÜRK E., Elagoz S.  
INTERNATIONAL JOURNAL OF MODERN PHYSICS B, vol.33, no.17, 2019 (Journal Indexed in SCI)
- IV. **Nonlinear Optical Rectification, Second and Third Harmonic Generations in Square-Step and Graded-Step Quantum Wells under Intense Laser Field**  
Ozturk O., Ozturk E., Elagoz S.  
CHINESE PHYSICS LETTERS, vol.36, no.6, 2019 (Journal Indexed in SCI)
- V. **Linear and nonlinear optical properties of asymmetric triple quantum wells under intense laser field**  
Ozturk O., Ozturk E., Elagoz S.  
LASER PHYSICS, vol.29, no.5, 2019 (Journal Indexed in SCI)
- VI. **Linear and nonlinear optical absorption coefficient and electronic features of triple GaAlAs/GaAs and GaInAs/GaAs quantum wells depending on barrier widths**  
Ozturk O., Ozturk E., Elagoz S.  
OPTIK, vol.180, pp.394-405, 2019 (Journal Indexed in SCI)
- VII. **The effect of barrier width on the electronic properties of double GaAlAs/GaAs and GaInAs/GaAs quantum wells**  
Ozturk O., Ozturk E., Elagoz S.

JOURNAL OF MOLECULAR STRUCTURE, vol.1156, pp.726-732, 2018 (Journal Indexed in SCI)

- VIII. **Interband transitions dependent on indium concentration in Ga<sub>1-x</sub>In<sub>x</sub>As/GaAs asymmetric triple quantum wells**  
Alaydin B. Ö. , Ozturk E., Elagoz S.  
INTERNATIONAL JOURNAL OF MODERN PHYSICS B, vol.32, no.5, 2018 (Journal Indexed in SCI)
- IX. **Depending on the electric and magnetic field of the linear optical absorption and rectification coefficient in triple quantum well**  
ÖZTÜRK E.  
OPTICAL AND QUANTUM ELECTRONICS, vol.49, no.8, 2017 (Journal Indexed in SCI)
- X. **Comparison of asymmetric double parabolic-inversed parabolic quantum wells for linear optical (1-2) transition**  
ÖZTÜRK E.  
OPTIK, vol.139, pp.256-264, 2017 (Journal Indexed in SCI)
- XI. **NONLINEAR TRANSITIONS IN SINGLE, DOUBLE, AND TRIPLE delta-DOPED GaAs STRUCTURES**  
Ozturk E.  
ROMANIAN JOURNAL OF PHYSICS, vol.62, 2017 (Journal Indexed in SCI)
- XII. **Electric and intense laser field effect on the electronic properties of Ga<sub>1-x</sub>Al<sub>x</sub>As/GaAs and Ga(1-x)In(x)As/GaAs semi-parabolic quantum wells**  
ÖZTÜRK E.  
LASER PHYSICS, vol.26, no.9, 2016 (Journal Indexed in SCI)
- XIII. **Nonlinear intersubband transitions in asymmetric double quantum wells as dependent on intense laser field**  
ÖZTÜRK E.  
OPTICAL AND QUANTUM ELECTRONICS, vol.48, no.4, 2016 (Journal Indexed in SCI)
- XIV. **Linear and total intersubband transitions in the step-like GaAs/GaAlAs asymmetric quantum well as dependent on intense laser field**  
ÖZTÜRK E.  
EUROPEAN PHYSICAL JOURNAL PLUS, vol.130, no.11, 2015 (Journal Indexed in SCI)
- XV. **Comparison of Ga<sub>1-x</sub>Al<sub>x</sub>As/GaAs and Ga(1-x)In(x)As/GaAs quantum wells as dependent on Al and In concentrations under intense laser field**  
Ozturk E.  
INTERNATIONAL JOURNAL OF MODERN PHYSICS B, vol.29, no.27, 2015 (Journal Indexed in SCI)
- XVI. **Nonlinear intersubband transitions in different shaped quantum wells under intense laser field**  
Ozturk E.  
SUPERLATTICES AND MICROSTRUCTURES, vol.82, pp.303-312, 2015 (Journal Indexed in SCI)
- XVII. **Linear and nonlinear optical absorption coefficients and refractive index changes in double parabolic-square quantum well as dependent on intense laser field**  
Ozturk E.  
EUROPEAN PHYSICAL JOURNAL PLUS, vol.130, no.4, 2015 (Journal Indexed in SCI)
- XVIII. **Resonant peaks of the linear optical absorption and rectification coefficients in GaAs/GaAlAs quantum well: Combined effects of intense laser, electric and magnetic fields**  
ÖZTÜRK E., SÖKMEN İ.  
INTERNATIONAL JOURNAL OF MODERN PHYSICS B, vol.29, no.5, 2015 (Journal Indexed in SCI)
- XIX. **Nonlinear intersubband absorption and refractive index change in n-type delta-doped GaAs for different donor distributions**  
Ozturk E.  
EUROPEAN PHYSICAL JOURNAL PLUS, vol.130, no.1, 2015 (Journal Indexed in SCI)
- XX. **Simultaneous effects of the intense laser field and the electric field on the nonlinear optical properties in GaAs/GaAlAs quantum well**  
Ozturk E.  
OPTICS COMMUNICATIONS, vol.332, pp.136-143, 2014 (Journal Indexed in SCI)

- XXI. **Nonlinear Intersubband Transitions in Square and Graded Quantum Wells Modulated by Intense Laser Field**  
ÖZTÜRK E., SÖKMEN İ.  
CHINESE PHYSICS LETTERS, vol.31, no.12, 2014 (Journal Indexed in SCI)
- XXII. **Nonlinear intersubband transitions in a parabolic and an inverse parabolic quantum well under applied magnetic field**  
ÖZTÜRK E., SÖKMEN İ.  
JOURNAL OF LUMINESCENCE, vol.145, pp.387-392, 2014 (Journal Indexed in SCI)
- XXIII. **Electric field effect on the nonlinear optical absorption in double semi-graded quantum wells**  
Ozturk E., Sokmen I.  
OPTICS COMMUNICATIONS, vol.305, pp.228-235, 2013 (Journal Indexed in SCI)
- XXIV. **Effect of an intense laser field on the holes in graded quantum wells**  
Ozturk E.  
EUROPEAN PHYSICAL JOURNAL PLUS, vol.128, no.8, 2013 (Journal Indexed in SCI)
- XXV. **Linear and nonlinear intersubband optical absorption coefficient and refractive index change in n-type delta-doped GaAs structure**  
ÖZTÜRK E., Ozdemir Y.  
OPTICS COMMUNICATIONS, vol.294, pp.361-367, 2013 (Journal Indexed in SCI)
- XXVI. **Nonlinear intersubband absorption and refractive index changes in square and graded quantum well modulated by temperature and Hydrostatic pressure**  
ÖZTÜRK E., SÖKMEN İ.  
JOURNAL OF LUMINESCENCE, vol.134, pp.42-48, 2013 (Journal Indexed in SCI)
- XXVII. **Linear and nonlinear optical absorption in different graded quantum wells modulated by intense laser field**  
Ozturk E., Sokmen I.  
SUPERLATTICES AND MICROSTRUCTURES, vol.52, no.5, pp.1010-1019, 2012 (Journal Indexed in SCI)
- XXVIII. **The effects of hydrostatic pressure on the nonlinear intersubband transitions and refractive index changes of different QW shapes**  
ÖZTÜRK E., SÖKMEN İ.  
OPTICS COMMUNICATIONS, vol.285, no.24, pp.5223-5228, 2012 (Journal Indexed in SCI)
- XXIX. **Intersubband transitions and refractive index changes in coupled double quantum well with different well shapes**  
ÖZTÜRK E., SÖKMEN İ.  
SUPERLATTICES AND MICROSTRUCTURES, vol.50, no.4, pp.350-358, 2011 (Journal Indexed in SCI)
- XXX. **Effect of magnetic fields on the linear and nonlinear intersubband optical absorption coefficients and refractive index changes in square and graded quantum wells**  
Ozturk E., Sokmen I.  
SUPERLATTICES AND MICROSTRUCTURES, vol.48, no.3, pp.312-320, 2010 (Journal Indexed in SCI)
- XXXI. **Intersubband optical absorption coefficients and refractive index changes in triple quantum well with different well shapes**  
Ozturk E., Sokmen I.  
EUROPEAN PHYSICAL JOURNAL-APPLIED PHYSICS, vol.51, no.1, 2010 (Journal Indexed in SCI)
- XXXII. **Effect of Magnetic Field on a p-Type delta-Doped GaAs Layer**  
Ozturk E.  
CHINESE PHYSICS LETTERS, vol.27, no.7, 2010 (Journal Indexed in SCI)
- XXXIII. **Nonlinear optical absorption in graded quantum wells modulated by electric field and intense laser field**  
Ozturk E.  
EUROPEAN PHYSICAL JOURNAL B, vol.75, no.2, pp.197-203, 2010 (Journal Indexed in SCI)
- XXXIV. **Optical intersubband transitions in double Si delta-doped GaAs under an applied magnetic field**  
Ozturk E.

- SUPERLATTICES AND MICROSTRUCTURES, vol.46, no.5, pp.752-759, 2009 (Journal Indexed in SCI)
- XXXV. **Effect of the intense laser field on the valance band for Ga<sub>1-x</sub>Al<sub>x</sub>As/GaAs heterostructure**  
ÖZTÜRK E., SÖKMEN İ.  
SUPERLATTICES AND MICROSTRUCTURES, vol.45, no.1, pp.16-21, 2009 (Journal Indexed in SCI)
- XXXVI. **Electronic properties of p-type delta-doped GaAs structure under electric field**  
ÖZTÜRK E., SÖKMEN İ.  
CHINESE PHYSICS LETTERS, vol.25, no.4, pp.1415-1418, 2008 (Journal Indexed in SCI)
- XXXVII. **Subband structure of p-type delta-doped GaAs as dependent on the acceptor concentration and the layer thickness**  
Ozturk E., Bahar M. K., Sokmen I.  
EUROPEAN PHYSICAL JOURNAL-APPLIED PHYSICS, vol.41, no.3, pp.195-200, 2008 (Journal Indexed in SCI)
- XXXVIII. **The variation of electronic properties with the doping concentration of modulation-doped Al<sub>x</sub>Ga<sub>1-x</sub>As-GaAs double quantum wells**  
Ungan F., Ozturk E., Ergun Y., Sokmen I.  
SUPERLATTICES AND MICROSTRUCTURES, vol.41, no.1, pp.22-28, 2007 (Journal Indexed in SCI)
- XXXIX. **Intersubband transitions in an asymmetric double quantum well**  
Ozturk E., Sokmen I.  
SUPERLATTICES AND MICROSTRUCTURES, vol.41, no.1, pp.36-43, 2007 (Journal Indexed in SCI)
- XL. **Intersubband optical absorption in double quantum well under intense laser field**  
Ozturk E., Sari H., Sokmen I.  
EUROPEAN PHYSICAL JOURNAL-APPLIED PHYSICS, vol.35, no.1, pp.1-5, 2006 (Journal Indexed in SCI)
- XLI. **Electric field and intense laser field effects on the intersubband optical absorption in a graded quantum well**  
Ozturk E., Sari H., Sokmen I.  
JOURNAL OF PHYSICS D-APPLIED PHYSICS, vol.38, no.6, pp.935-941, 2005 (Journal Indexed in SCI)
- XLII. **Intersubband transitions in quantum wells under intense laser field**  
Ozturk E., Sari H., Sokmen I.  
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol.80, no.3, pp.541-544, 2005 (Journal Indexed in SCI)
- XLIII. **The triple Si delta-doped GaAs structure**  
Ozturk E., Sari H., Ergun Y., Sokmen I.  
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol.80, no.1, pp.167-171, 2005 (Journal Indexed in SCI)
- XLIV. **Subband structure and band bending in symmetric modulation-doped double quantum wells**  
Ungan F., Ozturk E., Ergun Y., Sokmen I.  
EUROPEAN PHYSICAL JOURNAL-APPLIED PHYSICS, vol.29, no.1, pp.27-31, 2005 (Journal Indexed in SCI)
- XLV. **The dependence of the intersubband transitions in square and graded QWs on intense laser fields**  
Ozturk E., Sari H., Sokmen I.  
SOLID STATE COMMUNICATIONS, vol.132, no.7, pp.497-502, 2004 (Journal Indexed in SCI)
- XLVI. **Intersubband optical absorption in quantum wells under applied electric and intense laser fields**  
Ozturk E., Sari H., Sokmen I.  
SURFACE REVIEW AND LETTERS, vol.11, no.3, pp.297-303, 2004 (Journal Indexed in SCI)
- XLVII. **Intersubband transitions of Si delta-doped GaAs layer for different donor distribution models**  
Ozturk E., Sokmen I.  
CHINESE PHYSICS LETTERS, vol.21, no.5, pp.930-933, 2004 (Journal Indexed in SCI)
- XLVIII. **Intersubband optical absorption of double Si delta-doped GaAs layers**  
Ozturk E., Sokmen I.  
SUPERLATTICES AND MICROSTRUCTURES, vol.35, pp.95-104, 2004 (Journal Indexed in SCI)
- XLIX. **Intersubband optical absorption in Si delta-doped GaAs for the donor distribution and thickness as dependent on the applied electric field**  
Ozturk E., Sokmen I.  
EUROPEAN PHYSICAL JOURNAL-APPLIED PHYSICS, vol.25, no.1, pp.3-9, 2004 (Journal Indexed in SCI)
- L. **Influence of an applied electric field on the electronic properties of Si delta-doped GaAs**

- Ozturk E., Ergun Y., Sari H., Sokmen I.  
EUROPEAN PHYSICAL JOURNAL-APPLIED PHYSICS, vol.24, no.3, pp.189-194, 2003 (Journal Indexed in SCI)
- LI. Intersubband transitions for single, double and triple Si delta-doped GaAs layers**  
Ozturk E., Sokmen I.  
JOURNAL OF PHYSICS D-APPLIED PHYSICS, vol.36, no.20, pp.2457-2464, 2003 (Journal Indexed in SCI)
- LII. Electronic structure of two coupled Si delta-doped GaAs as dependent on the donor thickness**  
Ozturk E., Ergun Y., Sari H., Sokmen I.  
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol.77, pp.427-431, 2003 (Journal Indexed in SCI)
- LIII. The electric field effects on intersubband optical absorption of Si delta-doped GaAs layer**  
Ozturk E., Sokmen I.  
SOLID STATE COMMUNICATIONS, vol.126, no.11, pp.605-609, 2003 (Journal Indexed in SCI)
- LIV. The effect of the donor distribution on the electronic structure of two coupled Si delta-doped layers in GaAs**  
Ozturk E., Sari H., Ergun Y., Sokmen I.  
PHYSICA B-CONDENSED MATTER, vol.334, pp.1-8, 2003 (Journal Indexed in SCI)
- LV. Electronic properties of two coupled Si delta-doped GaAs structures**  
Ozturk E., Sari H., Ergun Y., Sokmen I.  
EUROPEAN PHYSICAL JOURNAL-APPLIED PHYSICS, vol.21, no.2, pp.91-95, 2003 (Journal Indexed in SCI)
- LVI. Influence of temperature on the electronic properties of Si delta-doped GaAs structures**  
Ozturk E., Ergun Y., Sari H., Sokmen I.  
EUROPEAN PHYSICAL JOURNAL-APPLIED PHYSICS, vol.21, no.2, pp.97-101, 2003 (Journal Indexed in SCI)
- LVII. Si delta-doped GaAs structure with different dopant distribution models**  
Ozturk E., Ergun Y., Sari H., Sokmen I.  
JOURNAL OF APPLIED PHYSICS, vol.91, no.4, pp.2118-2122, 2002 (Journal Indexed in SCI)
- LVIII. The self-consistent calculation of Si delta-doped GaAs structures**  
Ozturk E., Ergun Y., Sari H., Sokmen I.  
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol.73, no.6, pp.749-754, 2001 (Journal Indexed in SCI)
- LIX. Electronic properties of Si delta-doped GaAs under an applied electric field**  
Ozturk E., Ergun Y., Sari H., Sokmen I.  
SEMICONDUCTOR SCIENCE AND TECHNOLOGY, vol.16, no.6, pp.421-426, 2001 (Journal Indexed in SCI)
- LX. Electronic subband of single Si delta-doped GaAs structures**  
Ozturk E., Ergun Y., Sari H., Sokmen I.  
SUPERLATTICES AND MICROSTRUCTURES, vol.28, no.1, pp.35-45, 2000 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. Electronic features of Gaussian quantum well as depending on the parameters**  
BOYRAZ H., ÖZTÜRK E.  
Cumhuriyet Science Journal, vol.41, no.2, pp.462-466, 2020 (Other Refereed National Journals)
- II. Electronic properties of double GaAlAs/GaAs and GaInAs/GaAs quantumwells as dependent on well width**  
ÖZTÜRK O., ÖZTÜRK E., ELAGOZ S.  
Cumhuriyet Science Journal, vol.40, no.2, pp.465-470, 2019 (Other Refereed National Journals)
- III. Intersub-band Second Order Nonlinear Transitions in Asymmetric Double Delta-Doped GaAs Structures**  
Öztürk E.  
Cumhuriyet Science Journal, vol.39, no.3, pp.720-727, 2018 (Refereed Journals of Other Institutions)
- IV. The temperature dependence of the electronic structure of Si delta-doped GaAs**  
Öztürk E.  
Turkish Journal of Physics, vol.26, pp.465-471, 2002 (Other Refereed National Journals)

## Books & Book Chapters

- I. **Mathematical Methods in Physics and Engineering**  
Öztürk E.  
Seçkin Yayıncılık, Ankara, 2011
- II. **Fizik ve Mühendislikte Matematik Yöntemler Çözümlü Yöntemlerle**  
ÖZTÜRK E.  
Seçkin Yayınevi, Ankara, 2011

## Refereed Congress / Symposium Publications in Proceedings

- I. **Electronic characteristics of triple GaAlAs/GaAs and GaInAs/GaAs quantum wells depending on Al and In concentration**  
Öztürk O., Öztürk E., Elagoz S.  
5th International Conference on Materials Science and Advanced-Nanotechnologies For Next Generation (MSNG-2018), 4 - 06 October 2018
- II. **Electronic characteristics of triple GaAlAs/GaAs and GaInAs/GaAs quantum wells depending on Al and In concentration**  
Öztürk O., Öztürk E., Elagoz S.  
5th International Conference on Materials Science and Advanced-Nanotechnologies For Next Generation (MSNG-2018) , Nevşehir, Turkey, 4 - 06 October 2018, pp.308
- III. **Second-Harmonic Generation Susceptibility in Asymmetric Triple Delta-Doped GaAs Structures**  
Öztürk E., Öztürk O., Elagoz S.  
5th International Conference on Materials Science and Advanced-Nanotechnologies For Next Generation (MSNG-2018) , Nevşehir, Turkey, 4 - 06 October 2018, pp.309
- IV. **Effect of electric field on intersubband second order nonlinear transitions in single, double and triple delta-doped GaAs structures**  
Öztürk E.  
4th International Conference on Engineering and Natural Sciences (ICENS-2018) Kiev, UKRAYNA, Kyiv, Ukraine, 2 - 06 May 2018, pp.624-629
- V. **Depending on Al and In concentration of the electronic properties of asymmetric double GaAlAs/GaAs and GaInAs/GaAs quantum wells**  
Öztürk O., Öztürk E., Elagoz S.  
4th International Conference on Engineering and Natural Sciences (ICENS-2018) , Kyiv, Ukraine, 2 - 06 May 2018, pp.630-635
- VI. **Second Order Nonlinear Intersubband Transitions in Double Delta Doped GaAs Structures**  
Öztürk E.  
MSNG 2017, Sarajevo, Bosnia And Herzegovina, 28 - 30 June 2017, pp.247
- VII. **The Effect of Barrier Width on the Electronic Properties of Double GaAlAs / GaAs and GaInAs / GaAs Quantum Wells**  
Öztürk O., Öztürk E., Elagoz S.  
MSNG 2017, Sarajevo, Bosnia And Herzegovina, 28 - 30 June 2017, pp.43
- VIII. **Nonlinear transitions in single double and triple doped GaAs structures**  
Öztürk E.  
16th International Balkan Workshop on Applied Physics and Materials Science (IBWAP 2016), Constanta, Romania , Constanta, Romania, 7 - 09 July 2016
- IX. **N katlı çift simetrik Ga<sub>1-x</sub>Al<sub>x</sub>As GaAs kuantum kuyularının elektronik özellikleri üzerinde engel genişliğinin etkisi**  
UNGAN F., ÖZTÜRK E., ERGÜN Y., SÖKMEN İ.  
10. Yoğun Madde Fiziği Ankara Toplantısı 14 Kasım 2003, Hacettepe Üni., ANKARA., Turkey, 14 November 2003



X. **Katkılı tabakalar arasındaki uzaklığa bağlı olarak çift Si delta katkılı GaAs**

ÖZTÜRK E., ERGÜN Y., SARI H., SÖKMEN İ.

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