

# Prof. FATİH DUMLUDAĞ

## Personal Information

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---- <http://fzk.fef.marmara.edu.tr/hizmetlerimiz/fizik-laboratuvari-olcum-ve-ucetleri/>

**Address:** Marmara Üniversitesi, Fen-Edebiyat Fakültesi, Fizik Bölümü. Ofis: C119 Göztepe Yerleşkesi 34722 Göztepe, Kadıköy, İSTANBUL

## Education Information

Doctorate, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Department of Physics, Turkey 1993 - 2000

Postgraduate, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Department of Physics, Turkey 1988 - 1991

## Foreign Languages

English, B2 Upper Intermediate

## Dissertations

Doctorate, MS ve MIS yapılarının gaz algılama özelliklerinin incelenmesi, Marmara University, Fen Bilimleri Enstitüsü, Fizik Anabilim Dalı, 2000

Postgraduate, Türkiye’de bulunan bazı yarıiletken minerallerin yapısal ve fotoelektriksel özelliklerinin incelenmesi, Marmara University, Fen Bilimleri Enstitüsü, Fizik Anabilim Dalı, 1991

## Research Areas

Printed Circuits, Thin Film, Thick Film and Hybrid ICs, Nanotechnology, Renewable energy, Dielectric Materials and Devices, Semiconducting Materials and Devices, Ceramic Materials, Semiconductor and Superconductor Materials, Polymeric Materials, Nanomaterials, Biosensor, Physics, Interdisciplinary Physics and Related Science and Technology Areas, Materials Science, Surfaces, Interfaces, Thin Films and Nanosystems, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties, Electronic structure of bulk material, Electrical properties of electronic structures, interfaces, thin films and low-dimensional structures, Optical Properties, Spectroscopy of Matter, Electronic transport in condensed matter, Sensors

## Academic Titles / Tasks

Professor, Marmara University, Faculty Of Arts And Sciences, Physics, 2021 - Continues

Associate Professor, Marmara University, Faculty Of Arts And Sciences, Physics, 2014 - 2021

Assistant Professor, Marmara University, Faculty Of Arts And Sciences, Physics, 2003 - 2014

Lecturer PhD, Marmara University, Faculty Of Arts And Sciences, Physics, 2001 - 2003

Research Assistant, Marmara University, Ataturk Faculty Of Education, Computer And Educational Technology, 1998 - 2001

Researcher, University of Durham, School of Engineering, Centre for Molecular Electronics, 1998 - 1999

Research Assistant, Marmara University, Ataturk Faculty Of Education, Mathematics And Science Education, 1991 - 1998

## Academic and Administrative Experience

Sanayi ile İşbirliğini Geliştirme Komisyonu Üyesi, Marmara University, Faculty Of Arts And Sciences, Physics, 2014 - Continues

Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Marmara University, Faculty Of Arts And Sciences, Physics, 2016 - 2017

Ders Programları Komisyonu Başkanı, Marmara University, Faculty Of Arts And Sciences, Physics, 2014 - 2017

ÇAP YANDAL ve Programları Komisyonu Başkanı/Koordinatörü, Marmara University, Faculty Of Arts And Sciences, Physics, 2014 - 2017

Marmara University, Faculty of Arts and Sciences, Physics, 2007 - 2017

## Courses

Calculus-II, Undergraduate, 2018 - 2019, 2020 - 2021

Physics-I, Undergraduate, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020

Physics-II, Undergraduate, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019

Introduction to Statistical Physics, Undergraduate, 2016 - 2017, 2017 - 2018, 2018 - 2019

Calculus-I, Undergraduate, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020

Physics of Semiconductor Devices, Postgraduate, 2015 - 2016, 2017 - 2018, 2018 - 2019

Mechanics, Undergraduate, 2016 - 2017, 2017 - 2018

Advanced Physics of Semiconductor Devices, Doctorate, 2013 - 2014, 2014 - 2015, 2017 - 2018

Introduction to Statistical Physics, Undergraduate, 2014 - 2015, 2015 - 2016

Calculus-II, Undergraduate, 2012 - 2013, 2014 - 2015

Mechanics, Undergraduate, 2014 - 2015, 2015 - 2016

Physics-I, Undergraduate, 2013 - 2014, 2014 - 2015

Calculus-I, Undergraduate, 2011 - 2012, 2012 - 2013, 2013 - 2014, 2014 - 2015

İleri Yariletken Aygıtlar, Doctorate, 2010 - 2011, 2012 - 2013

Physics-I, Undergraduate, 2011 - 2012, 2012 - 2013

Yariletken Aygıtlar, Postgraduate, 2010 - 2011, 2011 - 2012

## Advising Theses

Dumludağ F., Seyidov M. Y. , Katkılı Dielektrik ve Aktif Katmanlı OFET Karakteristiklerinin İncelenmesi, Doctorate, D.Taşkın(Student), Continues

Dumludağ F., Fabrication and Characterization of Nano-Inorganic/Organic Hybrid Solar Cells, Doctorate, Ö.Küçükgenç(Student), Continues

Dumludağ F., Fabrication and Characterization of ZnO Nanoparticle/Nanorod Based Photovoltaic Cells and Gas Sensors and A Software Applications for Automated Data Acquisition, Postgraduate, D.YILDIZTEKİN(Student), Continues

Dumludağ F., Oruç Ç., Reduction of Escherichia Coli Populations in Water Samples by Using Magnetic Nanoparticles, Postgraduate, M.Pınar(Student), 2019

Dumludağ F., Altındal A., Metal-oksit nanotel tabanlı aygıtların üretimi ve karakterizasyonu, Doctorate, M.COŞKUN(Student), 2017

DUMLUDAĞ F., Anodik alüminyum oksit (AAO) nano kalıpların yapımı, Postgraduate, F.KUTLU(Student), 2014

Dumludağ F., Altındal A., Sulardaki mikroorganizmaların belirlenmesine yönelik biyosensörlerin geliştirilmesi, Postgraduate, M.AK(Student), 2013

DUMLUDAĞ F., Organik tabanlı hibrit güneş pillerinin yapımı ve karakterizasyonu, Postgraduate, S.GÜMÜŞ(Student), 2013

Dumludağ F., Altındal A., Tantal oksit filmlerin yapısal, elektriksel ve optik özelliklerinin incelenmesi, Postgraduate, E.TATLI(Student), 2012

Dumludağ F., Altındal A., ZrO<sub>2</sub> nano parçacıklarının üretimi, dielektrik ve optik özelliklerinin belirlenmesi, Postgraduate, A.BİRLİK(Student), 2011

Dumludağ F., Altındal A., Organik tabanlı güneş pillerinin üretimi ve karakterizasyonu, Postgraduate, Ö.YAĞCI(Student), 2011

Dumludağ F., Altındal A., V<sub>2</sub>O<sub>5</sub> ince filmlerin yapısal, elektriksel ve optik özelliklerinin incelenmesi, Postgraduate, A.KOCAMAN(Student), 2011

Dumludağ F., Altındal A., Metal-oksit ara tabakalı myy yapıların dielektrik özellikleri, Postgraduate, M.COŞKUN(Student), 2011

Dumludağ F., Altındal A., Organik ışık yayan diyotların imali ve karakterizasyonu, Postgraduate, G.KÖSOĞLU(Student), 2010

Dumludağ F., Altındal A., Sol-gel yöntemiyle hazırlanan WO<sub>3</sub> filmlerin elektriksel ve optik özelliklerinin incelenmesi, Postgraduate, A.ÖMÜR(Student), 2009

Dumludağ F., Altındal A., Farklı yöntemlerle hazırlanan tri-nükleer Co ve Zn ftalosyanin ince filmlerin elektriksel özelliklerinin incelenmesi, Postgraduate, F.NUR(Student), 2008

Dumludağ F., Altındal A., Ftalosyanin ince filmlerin elektriksel ve optik özelliklerinin incelenmesi, Postgraduate, Y.AKTAŞ(Student), 2006

Dumludağ F., Altındal A., Sol-Jel metoduyla hazırlanan metaloksit filmlerin yapısal ve elektriksel karakterizasyonu, Postgraduate, D.TAŞKIN(Student), 2006

Dumludağ F., Öztürk Z. Z. , Metal/yalıtkan/n-GaAs hidrojen sensörlerinin araştırılması ve geliştirilmesi, Postgraduate, N.UĞUR(Student), 2005

## **Jury Memberships**

Post Graduate, Post Graduate, Marmara Üniversitesi, August, 2019

Competition, TÜBİTAK Ortaokul Öğrencileri Araştırma Projeleri Yarışması İstanbul Asya Bölgesi Fizik Dalı Jüri Üyesi, Marmara Üniversitesi, March, 2018

Competition, TÜBİTAK Liseler arası Proje Yarışması İstanbul Asya Bölgesi Fizik Dalı Jüri Üyesi, Marmara University, February, 2018

Competition, TÜBİTAK, Ortaokul Araş. Proje Yarışması, İstanbul Asya Bölg. Fizik Dalı Jüri Üyesi, Marmara Üniversitesi, March, 2017

Competition, TÜBİTAK Liseler arası Proje Yarışması İstanbul Asya Bölgesi Fizik Dalı Jüri Üyesi, Marmara Üniversitesi, February, 2017

Post Graduate, Post Graduate, Marmara Üniversitesi, November, 2015

Post Graduate, Post Graduate, Marmara Üniversitesi, March, 2015

Post Graduate, Post Graduate, Marmara Üniversitesi, September, 2014

Competition, TÜBİTAK Liselerarası Proje Yarışması İstanbul Asya Bölgesi Fizik (Uygulamalı) Dalı Jüri Üyesi, Marmara Üniversitesi, February, 2014

Post Graduate, Post Graduate, Marmara Üniversitesi, August, 2013

Competition, TÜBİTAK İlköğretim Proje Yarışması İstanbul Asya Bölgesi Fen Bilimleri Dalı Jüri Üyesi, Marmara Üniversitesi, April, 2013

Competition, TÜBİTAK Liselerarası Proje Yarışması İstanbul Asya Bölgesi Fizik (Temel) Dalı Jüri Üyesi, Marmara Üniversitesi, February, 2013

Competition, TÜBİTAK Liselerarası Proje Yarışması İstanbul Asya Bölgesi Fizik (Uygulamalı) Dalı Jüri Üyesi, Marmara

Üniversitesi, February, 2013

Post Graduate, Post Graduate, Marmara Üniversitesi, December, 2012

Competition, TÜBİTAK İlköğretim Proje Yarışması İstanbul Asya Bölgesi Fen Bilimleri Dalı Jüri Üyesi, Marmara Üniversitesi, April, 2012

Doctorate, Doctorate, Marmara Üniversitesi, April, 2012

Competition, TÜBİTAK Liselerarası Proje Yarışması İstanbul Asya Bölgesi Fizik (Uygulamalı) Dalı Jüri Üyesi, Marmara Üniversitesi, February, 2012

Competition, TÜBİTAK Liselerarası Proje Yarışması İstanbul Asya Bölgesi Fizik (Temel) Dalı Jüri Üyesi, Marmara Üniversitesi, February, 2012

Post Graduate, Post Graduate, Marmara Üniversitesi, August, 2011

Competition, TÜBİTAK İlköğretim Proje Yarışması İstanbul Asya Bölgesi Fen Bilimleri Dalı Jüri Üyesi, Marmara Üniversitesi, April, 2011

Competition, TÜBİTAK Liselerarası Proje Yarışması İstanbul Asya Bölgesi Fizik (Temel) Dalı Jüri Üyesi, Marmara Üniversitesi, February, 2011

Competition, TÜBİTAK Liselerarası Proje Yarışması İstanbul Asya Bölgesi Fizik (Uygulamalı) Dalı Jüri Üyesi, Marmara Üniversitesi, February, 2011

Post Graduate, Post Graduate, Marmara Üniversitesi, September, 2010

Competition, TÜBİTAK Liselerarası Proje Yarışması İstanbul Asya Bölgesi Fizik Dalı Jüri Üyesi, Marmara Üniversitesi, February, 2010

Competition, TÜBİTAK Liselerarası Proje Yarışması İstanbul Asya Bölgesi Fizik Dalı Jüri Üyesi, Marmara Üniversitesi, February, 2009

Post Graduate, Post Graduate, Marmara Üniversitesi, August, 2008

Post Graduate, Post Graduate, Marmara Üniversitesi, August, 2008

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

- I. **Fabrication of three-dimensional PCL/BiFeO<sub>3</sub> scaffolds for biomedical applications**  
Ulag S., Kalkandelen C., Bedir T., Erdemir G., Kuruca S. E., Dumludag F., Ustundag C. B., Rayaman E., Ekren N., Kilic B., et al.  
Materials Science and Engineering B: Solid-State Materials for Advanced Technology, vol.261, 2020 (Journal Indexed in SCI Expanded)
- II. **Synthesis, characterization, DFT study, conductivity and effects of humidity on CO<sub>2</sub> sensing properties of the novel tetrakis- [2-(dibenzylamino)ethoxyl] substituted metallophthalocyanines**  
Senoglu S., Özer M., Dumludağ F., Acar N., Salih B., Bekaroglu O.  
SENSORS AND ACTUATORS B-CHEMICAL, vol.310, 2020 (Journal Indexed in SCI)
- III. **Effects of boron nitrite in thermoplastic polyurethane on thermal, electrical and free volume properties**  
DUMLUDAĞ F., Yener M. Y., BAŞTÜRK E., MADAKBAŞ S., KAHRAMAN M. V., Umer M. A., YAHŞI U., TAV C.  
POLYMER BULLETIN, vol.76, no.8, pp.4087-4101, 2019 (Journal Indexed in SCI)
- IV. **Synthesis, Conductivity, and Impedance Studies on Metallophthalocyanines Formed Across Adjacent Rings**  
ŞENER S., AÇAR SELÇUKİ N., DUMLUDAĞ F., SALİH B., Bekaroglu O.  
EUROPEAN JOURNAL OF INORGANIC CHEMISTRY, no.6, pp.770-779, 2019 (Journal Indexed in SCI)
- V. **Imidazole octasubstituted novel mono and double-decker phthalocyanines: Synthesis, characterization, electrical and gas sensing properties**  
YABAŞ E., SÜLÜ M., DUMLUDAĞ F., Salih B., Bekaroglu O.  
POLYHEDRON, vol.153, pp.51-63, 2018 (Journal Indexed in SCI)
- VI. **Bridged oxide nanowire device fabrication using single step metal catalyst free thermal evaporation**  
COŞKUN M., Ombaba M. M., DUMLUDAĞ F., ALTINDAL A., Islam M. S.  
RSC ADVANCES, vol.8, no.19, pp.10294-10301, 2018 (Journal Indexed in SCI)

- VII. **Electrical and gas sensing properties of novel cobalt(II), copper(II), manganese(III) phthalocyanines carrying ethyl 7-oxy-4,8-dimethylcoumarin-3-propanoate moieties**  
Koksoy B., Aygun M., Capkin A., DUMLUDAĞ F., Bulut M.  
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol.22, pp.121-136, 2018 (Journal Indexed in SCI)
- VIII. **The effect of surface modification of zeolite 4A on the physical and electrical properties of copolyimide hybrid films**  
Bicen M., KAYAMAN APOHAN N., KARATAŞ S., DUMLUDAĞ F., Gungor A.  
MICROPOROUS AND MESOPOROUS MATERIALS, vol.218, pp.79-87, 2015 (Journal Indexed in SCI)
- IX. **Preparation and electrical properties of polypyrrole containing photocured thiol-ene based composites**  
MADAKBAŞ S., DUMLUDAĞ F., Eminoglu E. M. , Sen F., KAHRAMAN M. V.  
PROGRESS IN ORGANIC COATINGS, vol.80, pp.33-38, 2015 (Journal Indexed in SCI)
- X. **Influence of humidity on kinetics of xylene adsorption onto ball-type hexanuclear metallophthalocyanine thin film**  
Altin S., DUMLUDAĞ F., ORUÇ Ç., ALTINDAL A.  
MICROELECTRONIC ENGINEERING, vol.134, pp.7-13, 2015 (Journal Indexed in SCI)
- XI. **Preparation, Characterization, Thermal, and Dielectric Properties of Polypyrrole/h-BN Nanocomposites**  
MADAKBAŞ S., Sen F., KAHRAMAN M. V. , DUMLUDAĞ F.  
ADVANCES IN POLYMER TECHNOLOGY, vol.33, no.4, 2014 (Journal Indexed in SCI)
- XII. **Synthesis, characterization, electrochemistry and VOC sensing properties of novel ball-type dinuclear metallophthalocyanines**  
Çimen Y., Ermis E., Dumludağ F., Özkaya A. R. , Salih B., Bekaroglu O.  
SENSORS AND ACTUATORS B-CHEMICAL, vol.202, pp.1137-1147, 2014 (Journal Indexed in SCI)
- XIII. **Preparation, characterization and electrical properties of polyacrylonitrile/huntite composites**  
MADAKBAŞ S., Celik Z., DUMLUDAĞ F., KAHRAMAN M. V.  
POLYMER BULLETIN, vol.71, no.6, pp.1471-1481, 2014 (Journal Indexed in SCI)
- XIV. **Methanol Vapor Sensing by Porous Silicon**  
Yilmaz O., Kayahan E., Goren F., Dumludag F.  
ACTA PHYSICA POLONICA A, vol.125, no.2, pp.288-289, 2014 (Journal Indexed in SCI)
- XV. **Vic-dioxime complexes bearing carboxyester and picolyl amide functionality: synthesis, characterization, spectroscopy, electrochemistry, and electrical properties**  
YARAŞIR M. N. , KANDAZ M., Akyildiz A., KARADENİZ K., DUMLUDAĞ F., KOCA A.  
MONATSHEFTE FÜR CHEMIE, vol.144, no.7, pp.951-962, 2013 (Journal Indexed in SCI)
- XVI. **Synthesis in water-free DMF, characterization, electrical, and gas sensing properties of bis[2-(2-aminoethylamino)ethanol]copper(II) dibromide**  
Tascioglu S., Yalçın B., Dumludağ F., Kaki E.  
CHEMICAL PAPERS, vol.67, pp.613-623, 2013 (Journal Indexed in SCI)
- XVII. **Synthesis, characterization and electrical properties of peripherally tetra-aldazine substituted novel metal free phthalocyanine and its zinc(II) and nickel(II) complexes**  
Bayrak R., DUMLUDAĞ F., Akcay H. T. , DEĞİRMENCİOĞLU İ.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.105, pp.550-556, 2013 (Journal Indexed in SCI)
- XVIII. **Electrochemical and electrical properties of novel mono and ball-type phthalocyanines**  
Ermis E., ÇİMEN Y., DUMLUDAĞ F., ÖZKAYA A. R. , SALİH B., Bekaroglu O.  
POLYHEDRON, vol.49, no.1, pp.129-137, 2013 (Journal Indexed in SCI)
- XIX. **Novel alpha-7-oxy-4-(4-methoxyphenyl)-8-methylcoumarin substituted metal-free, Co(II) and Zn(II) phthalocyanines: Photochemistry, photophysics, conductance and electrochemistry**  
ODABAŞ Z., ORMAN E. B. , DURMUŞ M., DUMLUDAĞ F., ÖZKAYA A. R. , Bulut M.  
DYES AND PIGMENTS, vol.95, no.3, pp.540-552, 2012 (Journal Indexed in SCI)
- XX. **The effect of titania content on the physical properties of polyimide/titania nanohybrid films**

- Kizilkaya C., DUMLUDAĞ F., KARATAŞ S., KAYAMAN APOHAN N., Altındal A., Gungor A.  
 JOURNAL OF APPLIED POLYMER SCIENCE, vol.125, no.5, pp.3802-3810, 2012 (Journal Indexed in SCI)
- XXI. **Synthesis, characterization, spectral and electrical properties of peripherally tetra-triazole-substituted phthalocyanines and its metal complexes**  
 Bayrak R., KARAOĞLU K., ÜNVER Y., SANCAK K., DUMLUDAĞ F., DEĞİRMENCİOĞLU İ.  
 JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.712, pp.57-66, 2012 (Journal Indexed in SCI)
- XXII. **Electrical and electrochemical properties of double-decker Lu(III) and Eu(III) phthalocyanines with four imidazoles and N-alkylated imidazoles**  
 Yabas E., SÜLÜ M., DUMLUDAĞ F., ÖZKAYA A. R. , SALİH B., Bekaroglu O.  
 POLYHEDRON, vol.42, no.1, pp.196-206, 2012 (Journal Indexed in SCI)
- XXIII. **Synthesis and electrochemical, electrochromic and electrical properties of novel s-triazine bridged trinuclear Zn(II), Cu(II) and Lu(III) and a tris double-decker Lu(III) phthalocyanines**  
 Sen P., DUMLUDAĞ F., SALİH B., ÖZKAYA A. R. , Bekaroglu O.  
 SYNTHETIC METALS, vol.161, pp.1245-1254, 2011 (Journal Indexed in SCI)
- XXIV. **Synthesis, characterization and investigation of electrical and electrochemical properties of imidazole substituted phthalocyanines**  
 YABAŞ E., SÜLÜ M., Saydam S., DUMLUDAĞ F., SALİH B., Bekaroglu O.  
 INORGANICA CHIMICA ACTA, vol.365, no.1, pp.340-348, 2011 (Journal Indexed in SCI)
- XXV. **Novel homo- and heterobinuclear ball-type phthalocyanines: synthesis and electrochemical, electrical, EPR and MCD spectral properties**  
 ODABAŞ Z., DUMLUDAĞ F., ÖZKAYA A. R. , Yamauchi S., Kobayashi N., Bekaroglu O.  
 DALTON TRANSACTIONS, vol.39, no.35, pp.8143-8152, 2010 (Journal Indexed in SCI)
- XXVI. **Pd/native nitride/n-GaAs structures as hydrogen sensors**  
 Tasaltin N., DUMLUDAĞ F., EBEOĞLU M. A. , Yuzer H., ÖZTÜRK Z. Z.  
 SENSORS AND ACTUATORS B-CHEMICAL, vol.130, no.1, pp.59-64, 2008 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **Effects of sintering temperature on electrical properties of sheep enamel hydroxyapatite**  
 Duumludağ F., Gündüz O., Kılıç O., Kılıç B., Ekren N., Kalkandelen C., Oktar F. N.  
 IOP Conf. Series: Materials Science and Engineering, vol.293, no.12002, pp.1-5, 2018 (Journal Indexed in ESCI)
- II. **DC and AC conductivity properties of bovine dentine hydroxyapatite (BDHA)**  
 Duumludağ F., Kılıç O., Ekren N., Kalkandelen C., Özbek B.  
 IOP Conf. Series: Materials Science and Engineering, vol.293, no.12003, pp.1-4, 2018 (Journal Indexed in ESCI)
- III. **Solution Processing Grown Alq3 Microwires for Volatile Organic Compound Vapor Sensing**  
 Coşkun M., Duumludağ F., Altındal A.  
 Sensor Letters, vol.12, no.11, pp.1583-1589, 2014 (Journal Indexed in ESCI)
- IV. **Effects of pH on Dielectric Properties of Magnesium Oxide Nanoparticles**  
 Duumludağ F., Bakay D., Altındal A.  
 Balkan Physics Letters, vol.18, pp.414-421, 2010 (Refereed Journals of Other Institutions)
- V. **Characterization of Doped and Undoped CuO Nanoparticles**  
 Gazioğlu D. T. , Duumludağ F., Altındal A.  
 American Institute of Physics, vol.1203, pp.456-460, 2010 (Refereed Journals of Other Institutions)
- VI. **Response to Vapors of Volatile Organic Compounds of SnO<sub>2</sub> Thin Film**  
 Duumludağ F., Hacıoğlu Ö., Altındal A.  
 American Institute of Physics, vol.1203, pp.537-541, 2010 (Refereed Journals of Other Institutions)
- VII. **Gas sensing Properties of bis-Phthalocyanine Thin Film**  
 Duumludağ F., Kılıç P., Odabaş Z., Altındal A., Bekaroglu Ö.  
 American Institute of Physics, vol.1203, pp.542-546, 2010 (Refereed Journals of Other Institutions)
- VIII. **Effects of the Metal Electrode on Dielectric Constant of MgO Nanoparticles**

- Dumludağ F., Bakay D., Altındal A.  
American Institute of Physics, vol.1203, pp.533-536, 2010 (Refereed Journals of Other Institutions)
- IX. **Alcohol sensing Properties of Sol-Gel Derived TiO<sub>2</sub> Thin Film**  
Dumludağ F., Bulut S., Altındal A.  
American Institute of Physics, vol.1203, pp.528-532, 2010 (Refereed Journals of Other Institutions)
- X. **Influence of Temperature on Impedance Spectra of Thin Film of Poly(styrenesulfonate) doped poly (3,4 ethylenedioxythiophene),**  
Gaziöğlü D. T. , Dumludağ F., Yerli Y., Altındal A.  
American Institute of Physics, vol.1203, pp.451-455, 2010 (Refereed Journals of Other Institutions)
- XI. **Investigation of Electrical, Optical and Gas Sensing Properties of Sol-gel Derived WO<sub>3</sub> Thin Films,**  
Çelik A. Ö. , Dumludağ F., Altındal A.  
Balkan Physics Letters, vol.16, pp.161007-161013, 2009 (Refereed Journals of Other Institutions)
- XII. **Gas Sensing Properties of Newly Synthesized Cobalt Phthalocyanine (CoPc) Thin Film**  
Dumludağ F., Altındal A., Bakay D., Akı Işık F. N. , Bulut M., Bekaroğlu Ö.  
Balkan Physics Letters, vol.16, no.1, pp.161012-161017, 2009 (Refereed Journals of Other Institutions)
- XIII. **Impedance Spectroscopic Investigation of CuO nanoparticles**  
Kösoğlu G., Alıkma F., Dumludağ F., Altındal A.  
Balkan Physics Letters, vol.16, pp.161017-161022, 2009 (Refereed Journals of Other Institutions)
- XIV. **Temperature Dependency of Electrical Properties of Chemical Bath Deposited ZnS Thin Film**  
Cancı U., Dumludağ F., Hastaoğlu M. A. , Altındal A.  
Balkan Physics Letters, vol.15, pp.151051-151056, 2009 (Refereed Journals of Other Institutions)
- XV. **The Investigation of the Electrical Properties of a Newly Synthesized Phthalocyanine Thin Film and the Effect of the Preparation Conditions**  
Aktaş Y., Şen P., Dumludağ F., Altındal A., Özer M., Bulut M., Bekaroğlu Ö.  
Balkan Physics Letters, vol.1, pp.551-554, 2008 (Refereed Journals of Other Institutions)
- XVI. **Synthesis and Effects of Substrate Temperature on ac and dc Electrical Properties of Cobalt Phthalocyanine (CoPc) Thin Films**  
Akı F. N. , Doğan D., Dumludağ F., Altındal A., Bulut M., Bekaroğlu Ö.  
American Institute of Physics, vol.899, pp.229-230, 2007 (Refereed Journals of Other Institutions)
- XVII. **Structural, Optical and Electrical Properties of Sol-Gel Derived Titanium Dioxide Thin Film**  
Taşkın D., Dumludağ F., Altındal A.  
American Institute of Physics, vol.899, pp.285-286, 2007 (Refereed Journals of Other Institutions)
- XVIII. **The Effect of Ambient Conditions on the Impedance Spectra of Newly Synthesized Organic Semiconductor Thin Films**  
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## Scientific Consultations

TÜBİTAK-MAM, Malzeme ve Kimya Teknolojileri Araştırma Enstitüsü, (MKTAE), Project Consultancy, Marmara University, Faculty Of Arts And Sciences, Physics, Turkey, 2003 - 2004

## Tasks In Event Organizations

Dumludağ F., ICBEB2014, The 3rd International Conference on Biomedical Engineering and Biotechnology, Scientific Congress, Beijing, China, Eylül 2014

Dumludağ F., ISSTC 2014, International Semiconductor Science and Technology Conference, Scientific Congress, İstanbul, Turkey, Ocak 2014

Dumludağ F., ICBEB2013, The 2nd International Conference on Biomedical Engineering and Biotechnology, Scientific Congress, Wuhan, China, Ekim 2013

Dumludağ F., TÜBİTAK Lisans ve Lisans Öncesi, Öğretmen ve Öğrencilere Yönelik Bilimsel Etkinlikleri Destekleme Programı, Program Kodu: 2229, Ortaöğretim Öğretmenleri ve Ulusal, Uluslararası Yarışmalarda ve Derslerde Proje, Workshop Organization, İstanbul, Turkey, Eylül 2009

Dumludağ F., TÜBİTAK Lisans ve Lisans Öncesi, Öğretmen ve Öğrencilere Yönelik Bilimsel Etkinlikleri Destekleme Programı, Program Kodu: 2229, Ortaöğretim Öğretmenlerinin Proje Yönetimi ve Üretimi Çalıştayı, Workshop Organization, İstanbul, Turkey, Ağustos 2008

Dumludağ F., TÜBİTAK Lisans ve Lisans Öncesi, Öğretmen ve Öğrencilere Yönelik Bilimsel Etkinlikleri Destekleme Programı, Program Kodu: 2229, Ortaöğretim Öğretmenleri için Proje Tabanlı Öğretim ve Proje Danışmanlığı Eğitimi,



Workshop Organization, İstanbul, Turkey, Temmuz 2007

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## **Awards**

Dumludağ F., 2013 Yılı Akademik Performans Ödülü: SCI'de Yer Alan Uluslararası Hakemli Dergilerde Yapılan Yayınlar, Marmara Üniversitesi, Fen-Edebiyat Fakültesi, June 2014

Dumludağ F., 2003 Yılı TÜBİTAK-MAM Başarı Ödülü, Tübitak, June 2004

## **Non Academic Experience**

Other, University of Durham, Centre for Molecular Electronics