

## Prof. FATİH DUMLUDAĞ

### Personal Information

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

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

### International Researcher IDs

ScholarID: 5oxLtUcAAAAJ

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Publons / Web Of Science ResearcherID: IWV-3612-2023

ScopusID: 18037270900

Yoksis Researcher ID: 172228

### 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, Institute for Graduate Studies in Pure and Applied Sciences, Department of Physics, 2000

Postgraduate, Türkiye’de bulunan bazı yarıiletken minerallerin yapısal ve fotoelektriksel özelliklerinin incelenmesi, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Department of Physics, 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  
ÇAP YANDAL ve Programları Komisyonu Başkanı/Koordinatörü, Marmara University, Faculty of Arts and Sciences, Physics, 2014 - 2017  
Ders Programları Komisyonu Başkanı, Marmara University, Faculty of Arts and Sciences, Physics, 2014 - 2017  
Marmara University, Faculty of Arts and Sciences, Physics, 2007 - 2017

## Courses

Calculus-II, Undergraduate, 2020 - 2021, 2018 - 2019  
Physics-I, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016  
Physics-II, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016  
Introduction to Statistical Physics, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017  
Calculus-I, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017  
Physics of Semiconductor Devices, Postgraduate, 2018 - 2019, 2017 - 2018, 2015 - 2016  
Mechanics, Undergraduate, 2017 - 2018, 2016 - 2017  
Advanced Physics of Semiconductor Devices, Doctorate, 2017 - 2018, 2014 - 2015, 2013 - 2014  
Introduction to Statistical Physics, Undergraduate, 2015 - 2016, 2014 - 2015  
Calculus-II, Undergraduate, 2014 - 2015, 2012 - 2013  
Mechanics, Undergraduate, 2015 - 2016, 2014 - 2015  
Physics-I, Undergraduate, 2014 - 2015, 2013 - 2014  
Calculus-I, Undergraduate, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012  
İleri Yarıiletken Aygıtlar, Doctorate, 2012 - 2013, 2010 - 2011  
Physics-I, Undergraduate, 2012 - 2013, 2011 - 2012  
Yarıiletken Aygıtlar, Postgraduate, 2011 - 2012, 2010 - 2011

## 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), 2023

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

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

Dumludağ F., Altındal A., V2O5 ince filmlerin yapısal, elektriksel ve optik özelliklerinin incelenmesi, Postgraduate, A.KOCAMAN(Student), 2011

Dumludağ F., Altındal A., ZrO2 nano parçacıklarının üretimi, dielektrik ve optik özelliklerinin belirlenmesi, Postgraduate, A.BİRLİK(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 WO3 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., Sol-Jel metoduyla hazırlanan metaloksit filmlerin yapısal ve elektriksel karakterizasyonu, Postgraduate, D.TAŞKIN(Student), 2006

Dumludağ F., Altındal A., Ftalosyanin ince filmlerin elektriksel ve optik özelliklerinin incelenmesi, Postgraduate, Y.AKTAŞ(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 (Uygulamalı) Dalı Jüri Üyesi, Marmara Üniversitesi, February, 2013

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

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

Doctorate, Doctorate, Marmara Üniversitesi, April, 2012

Competition, TÜBİTAK İlköğretim Proje Yarışması İstanbul Asya Bölgesi Fen Bilimleri Dalı Jüri Üyesi, 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

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Comparative examination of both spectral properties and hybrid solar cell application of 2,4,6-trimethoxyphenoxy substituted phthalocyanine dyes**  
Küçükgenç Ö., Ağcaabat R., DUMLUDAĞ F., ODABAŞ Z.  
Polyhedron, vol.262, 2024 (SCI-Expanded)
- II. **Fabrication and In Vitro Characterization of Polycaprolactone/Graphene Oxide/Collagen Nanofibers for Myocardial Repair**  
Karapehlivan S. S., Danisik M. N., Akdag Z., Yildiz E. N., Okoro O. V., Nie L., Shavandi A., ULAĞ S., ŞAHİN A., DUMLUDAĞ F., et al.  
MACROMOLECULAR MATERIALS AND ENGINEERING, vol.309, no.1, 2024 (SCI-Expanded)
- III. **Electrical, spectroscopic and DFT studies of synthesized bridged bis (2-oxy benzylidene) hydrazine-carbonothiol-hydrazono cobalt(II)phthalocyanine**  
Sener S., Acar N., DUMLUDAĞ F.  
Polyhedron, vol.247, 2024 (SCI-Expanded)
- IV. **Fabrication and Characterization of P3HT-Based OFETs with TPU-Polymeric Gate Dielectric Prepared by Electrospinning Method with Different Thicknesses**  
Gazıoğlu D. T., DUMLUDAĞ F., COŞKUN M., BERBER S., Seyidov M. Y.  
SEMICONDUCTORS, vol.56, no.5, pp.288-309, 2022 (SCI-Expanded)
- V. **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-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS, vol.261, 2020 (SCI-Expanded)

- VI. **Synthesis, characterization, DFT study, conductivity and effects of humidity on CO<sub>2</sub> sensing properties of the novel tetrakis- [2-(dibenzylamino)ethoxy] substituted metallophthalocyanines**  
Senoglu S., Özer M., Dumludağ F., Acar N., Salih B., Bekaroglu O.  
SENSORS AND ACTUATORS B-CHEMICAL, vol.310, 2020 (SCI-Expanded)
- VII. **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 (SCI-Expanded)
- VIII. **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 (SCI-Expanded)
- IX. **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 (SCI-Expanded)
- X. **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 (SCI-Expanded)
- XI. **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 (SCI-Expanded)
- XII. **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 (SCI-Expanded)
- XIII. **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 (SCI-Expanded)
- XIV. **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 (SCI-Expanded)
- XV. **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 (SCI-Expanded)
- XVI. **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 (SCI-Expanded)
- XVII. **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 (SCI-Expanded)
- XVIII. **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 (SCI-Expanded)
- XIX. **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 (SCI-Expanded)
- XX. **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 (SCI-Expanded)
- XXI. **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 (SCI-Expanded)
- XXII. **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 (SCI-Expanded)
- XXIII. **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 (SCI-Expanded)
- XXIV. **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 (SCI-Expanded)
- XXV. **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 (SCI-Expanded)
- XXVI. **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 (SCI-Expanded)
- XXVII. **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 (SCI-Expanded)
- XXVIII. **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 (SCI-Expanded)
- XXIX. **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 (SCI-Expanded)
- XXX. **Pd/native nitride/n-GaAs structures as hydrogen sensors**  
Tasaltın N., DUMLUDAĞ F., EBEOĞLU M. A., Yuzer H., ÖZTÜRK Z. Z.  
SENSORS AND ACTUATORS B-CHEMICAL, vol.130, no.1, pp.59-64, 2008 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Synthesis, Structural Characterization and Temperature Effects on Chloroform Vapor Sensing Properties of ZnO Nanocrystals**  
YILDIZTEKİN D., DUMLUDAĞ F.  
International journal of advances in engineering and pure sciences (Online), vol.36, no.2, pp.134-139, 2024 (Peer-Reviewed Journal)
- II. **Effects of sintering temperature on electrical properties of sheep enamel hydroxyapatite**  
Dumludağ 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 (Peer-Reviewed Journal)
- III. **DC and AC conductivity properties of bovine dentine hydroxyapatite (BDHA)**  
Dumludağ F., Kılıç O., Ekren N., Kalkandelen C., Özbek B.  
IOP Conf. Series: Materials Science and Engineering, vol.293, no.12003, pp.1-4, 2018 (Peer-Reviewed Journal)
- IV. **Solution Processing Grown Alq3 Microwires for Volatile Organic Compound Vapor Sensing**  
Coşkun M., Dumludağ F., Altındal A.  
Sensor Letters, vol.12, no.11, pp.1583-1589, 2014 (Peer-Reviewed Journal)
- V. **Effects of pH on Dielectric Properties of Magnesium Oxide Nanoparticles**  
Dumludağ F., Bakay D., Altındal A.  
Balkan Physics Letters, vol.18, pp.414-421, 2010 (Peer-Reviewed Journal)
- VI. **Response to Vapors of Volatile Organic Compounds of SnO<sub>2</sub> Thin Film**  
Dumludağ F., Hacıoğlu Ö., Altındal A.  
American Institute of Physics, vol.1203, pp.537-541, 2010 (Peer-Reviewed Journal)
- VII. **Influence of Temperature on Impedance Spectra of Thin Film of Poly(styrenesulfonate) doped poly(3,4 ethylenedioxythiophene),**  
Gazioğlu D. T., Dumludağ F., Yerli Y., Altındal A.  
American Institute of Physics, vol.1203, pp.451-455, 2010 (Peer-Reviewed Journal)
- 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 (Peer-Reviewed Journal)
- 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 (Peer-Reviewed Journal)
- X. **Characterization of Doped and Undoped CuO Nanoparticles**  
Gazioğlu D. T., Dumludağ F., Altındal A.  
American Institute of Physics, vol.1203, pp.456-460, 2010 (Peer-Reviewed Journal)
- XI. **Gas sensing Properties of bis-Phthalocyanine Thin Film**  
Dumludağ F., Kılıç P., Odabaş Z., Altındal A., Bekaroğlu Ö.  
American Institute of Physics, vol.1203, pp.542-546, 2010 (Peer-Reviewed Journal)
- XII. **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 (Peer-Reviewed Journal)
- XIII. **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.  
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Asian Chemistry Letters, Other Indexed Journal, June 2011

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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., ICBE2014, The 3rd International Conference on Biomedical Engineering and Biotechnology, Scientific Congress, Beijing, China, Eylül 2014

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

Dumludağ F., ICBE2013, 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

## Metrics

Publication: 101

Citation (WoS): 357

Citation (Scopus): 254

H-Index (WoS): 11

H-Index (Scopus): 10

## 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

TÜBİTAK-MAM, Malzeme ve Kimya Teknolojileri Araştırma Enstitüsü, (MKTAE)

Other, University of Durham, Centre for Molecular Electronics

Durham University, Durham, İngiltere