

## Assoc. Prof. ERSİN YÜCEL

### Personal Information

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### International Researcher IDs

ScholarID: aQb9GzoAAAAJ

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Publons / Web Of Science ResearcherID: AAD-9218-2021

ScopusID: 36667991800

Yoksis Researcher ID: 113803

### Education Information

Doctorate, Bolu Abant İzzet Baysal University, Fen Edebiyat Fakültesi, Fizik , Turkey 2004 - 2010

Postgraduate, Bursa Uludağ University, Fen-Edebiyat Fakültesi, Fizik, Turkey 2001 - 2003

Undergraduate, Bursa Uludağ University, Fen-Edebiyat Fakültesi, Fizik, Turkey 1995 - 2000

### Foreign Languages

English

### Dissertations

Doctorate, MgB<sub>2</sub> superconductor wires: Fabrication and properties, 2010

Postgraduate, Si üzerinde oluşturulan metal ince filmin (Au) elektrik ve optik özelliklerinin incelenmesi, 2003

### Research Areas

Physics, Physical Chemistry, Materials Science, Condensed Matter 1: Structural, Mechanical and Thermal Properties, Surfaces, Interfaces, Thin Films and Nanosystems, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties, Optical Properties, Spectroscopy of Matter, Superconductivity, Natural Sciences

### Academic Titles / Tasks

Associate Professor, Hatay Mustafa Kemal University, Fen Edebiyat Fakültesi, Fizik, 2020 - Continues

Assistant Professor, Hatay Mustafa Kemal University, Fen Edebiyat Fakültesi, Fizik, 2011 - Continues

Assistant Professor, Hakkari University, Mühendislik Fakültesi, 2010 - 2011

### Academic and Administrative Experience

Hatay Mustafa Kemal University, 2019 - Continues

2014 - 2016

## Courses

ALTERNATİF ENERJİ KAYNAKLARI VE ENERJİ İLETİMİ-I, Postgraduate, 2024 - 2025, 2023 - 2024, 2021 - 2022, 2019 - 2020, 2018 - 2019, 2015 - 2016, 2014 - 2015, 2013 - 2014

SAĞLIK FİZİĞİ, Undergraduate, 2023-2024, 2022-2023, 2021-2022, 2020-2021

SÜPERİLETKEN MALZEMELER VE ÜRETİM TEKNİKLERİ-I, Undergraduate Double Major, 2023-2024, 2022-2023, 2021-2022, 2020-2021

BİLGİSAYAR DİLİ, Undergraduate, 2023-2024, 2022-2023, 2021-2022, 2020-2021

FİZİK-I (KİMYA BÖLÜMÜ), Undergraduate, 2023-2024

BİLİMSEL ARAŞTIRMA TEKNİKLERİ, Undergraduate Double Major, 2023-2024, 2022-2023, 2021-2022, 2020-2021

KATIHAL FİZİĞİ-I, Undergraduate, 2023-2024, 2022-2023, 2021-2022, 2020-2021

FİZİK LABORATUVARI-I (KİMYA BÖLÜMÜ), Undergraduate, 2023-2024

METAL YARIİLETKEN YAPILARIN FİZİĞİ-II, Undergraduate Double Major, 2022-2023, 2021-2022

LAZER FİZİĞİ VE UYGULAMALARI, Undergraduate, 2022-2023

KATIHAL FİZİĞİ-II, Undergraduate, 2022-2023, 2021-2022

METAL YARIİLETKEN YAPILARIN FİZİĞİ-I, Undergraduate Double Major, 2022-2023

SÜPERİLETKEN MALZEMELER VE ÜRETİM TEKNİKLERİ-II, Undergraduate Double Major, 2022-2023, 2021-2022, 2020-2021

YARIİLETKEN OPTİK OLAYLAR, Undergraduate, 2022-2023

BİLİM FELSEFESİ VE FİZİK, Undergraduate, 2022-2023

ALTERNATİF ENERJİ KAYNAKLARI VE ENERJİ İLETİMİ-II, Undergraduate Minor, 2022-2023, 2021-2022, 2020-2021

YARIİLETKENLERDE OPTİK SÜREÇLER, Undergraduate Minor, 2022-2023, 2021-2022, 2020-2021

SÜPERİLETKENLİK, Undergraduate, 2021-2022, 2020-2021

FİZİK-II (MATEMATİK BÖLÜMÜ), Undergraduate, 2020-2021

BİLGİSAYAR PROGRAMLAMA, Undergraduate, 2020-2021

FİZİK-I (MATEMATİK BÖLÜMÜ), Undergraduate, 2020-2021

FİZİK I (GIDA MÜHENDİSLİĞİ), Undergraduate, 2019-2020

KATIHAL FİZİĞİ-II, Undergraduate, 2019-2020, 2018-2019, 2017-2018

YARIİLETKENLERDE OPTİK SÜREÇLER, Undergraduate Double Major, 2019-2020, 2018-2019, 2017-2018, 2016-2017

ALTERNATİF ENERJİ KAYNAKLARI VE ENERJİ İLETİMİ-II, Undergraduate Double Major, 2019-2020, 2018-2019, 2017-2018, 2016-2017, 2015-2016, 2014-2015, 2013-2014, 2012-2013

BİLİMSEL ARAŞTIRMA TEKNİKLERİ, Undergraduate Double Major, 2019-2020, 2018-2019, 2017-2018, 2016-2017, 2015-2016, 2014-2015, 2013-2014, 2011-2012

FİZİK-I (MATEMATİK BÖLÜMÜ), Undergraduate, 2019-2020, 2018-2019, 2017-2018

METAL YARIİLETKEN YAPILARIN FİZİĞİ-I, Undergraduate Double Major, 2019-2020

FİZİK-II (MATEMATİK BÖLÜMÜ), Undergraduate, 2019-2020, 2018-2019, 2017-2018

SÜPERİLETKEN MALZEMELER VE ÜRETİM TEKNİKLERİ-I, Undergraduate Double Major, 2019-2020, 2017-2018, 2015-2016, 2014-2015

BİLGİSAYAR PROGRAMLAMA, Undergraduate, 2019-2020, 2018-2019, 2017-2018, 2016-2017, 2014-2015

BİLGİSAYAR DİLİ, Undergraduate, 2019-2020, 2018-2019, 2016-2017

SAĞLIK FİZİĞİ, Undergraduate Double Major, 2019-2020, 2017-2018, 2015-2016, 2014-2015

ALTERNATİF ENERJİ KAYNAKLARI VE ENERJİ İLETİMİ-I, Undergraduate Double Major, 2019-2020, 2018-2019, 2015-2016, 2014-2015, 2013-2014

SÜPERİLETKENLİK, Undergraduate, 2019-2020

SÜPERİLETKEN MALZEMELER VE ÜRETİM TEKNİKLERİ-II, Undergraduate Double Major, 2019-2020, 2018-2019, 2017-2018, 2016-2017, 2015-2016, 2014-2015, 2013-2014

FİZİK II (GIDA MÜHENDİSLİĞİ), Undergraduate, 2019-2020

FİZİK (BAHÇE BİTKİLERİ BÖLÜMÜ), Undergraduate, 2018-2019  
LAZER FİZİĞİ VE UYGULAMALARI, Undergraduate, 2018-2019, 2017-2018  
KATIHAL FİZİĞİ-I, Undergraduate, 2018-2019, 2017-2018  
METAL YARIİLETKEN YAPILARIN FİZİĞİ-II, Undergraduate Double Major, 2017-2018, 2016-2017  
Yarıiletken Optik Olaylar, Undergraduate, 2017-2018  
Fizik (Biyosistem Mühendisliği), Undergraduate, 2017-2018, 2015-2016  
Termodinamik ve İstatistik Fizik, Undergraduate, 2016-2017  
Fizik Laboratuvarı-II, Undergraduate, 2016-2017  
Fizik-II, Undergraduate, 2016-2017  
Fizik (Ziraat Fakültesi), Undergraduate, 2016-2017  
Fizik I, Undergraduate, 2016-2017  
Bilim Felsefesi ve Fizik, Undergraduate Double Major, 2015-2016, 2014-2015  
Kuantum Fiziği-II, Undergraduate, 2015-2016, 2014-2015, 2013-2014, 2011-2012  
Temel Bilgi Teknolojileri (Kamu Yönetimi) (II. Öğretim), Undergraduate, 2015-2016  
İleri Kuantum Mekaniği, Undergraduate Double Major, 2015-2016, 2014-2015, 2012-2013, 2011-2012  
İleri Kuantum Fiziği, Undergraduate Double Major, 2015-2016  
Temel Bilgi Teknolojileri (Kamu Yönetimi) (I. Öğretim), Undergraduate, 2015-2016  
Temel Bilgi Teknolojileri-I (İşletme Bölümü) (I. Öğretim), Undergraduate, 2014-2015  
Temel Bilgi Teknolojileri-I (İşletme Bölümü) (II. Öğretim), Undergraduate, 2014-2015  
Temel Bilgi Teknolojileri-II (İşletme Bölümü) (I. Öğretim), Undergraduate, 2014-2015  
Kuantum Fiziği-I, Undergraduate, 2014-2015, 2013-2014, 2011-2012  
Temel Bilgi Teknolojileri-II (İşletme Bölümü) (II. Öğretim), Undergraduate, 2014-2015  
Fizik I (Kimya Bölümü), Undergraduate, 2014-2015  
Fizik (Fizyoterapi ve Rehabilitasyon Bölümü), Undergraduate, 2013-2014  
Temel Bilgi Teknolojileri (B Grubu) (Fizyoterapi ve Rehabilitasyon Bölümü), Undergraduate, 2013-2014  
Bitirme Projesi-II, Undergraduate, 2013-2014, 2012-2013  
Mühendislik Fiziği-I (Makine Mühendisliği) (II. Öğretim), Undergraduate, 2013-2014  
Bitirme Projesi-I, Undergraduate, 2013-2014  
Mühendislik Fiziği-II (Makine Mühendisliği) (II. Öğretim), Undergraduate, 2013-2014  
Mühendislik Fiziği-II (Makine Mühendisliği) (I. Öğretim), Undergraduate, 2013-2014  
Mühendislik Fiziği-I (Makine Mühendisliği) (I. Öğretim), Undergraduate, 2013-2014  
Bilgisayara Giriş, Undergraduate, 2013-2014  
Temel Bilgi Teknolojileri (A Grubu) (Fizyoterapi ve Rehabilitasyon Bölümü), Undergraduate, 2013-2014  
Bilgisayar-II (Özel Eğitim Öğretmenliği), Undergraduate, 2012-2013  
Genel Fizik-I (Toprak Bilimi ve Bitki Besleme Bölümü), Undergraduate, 2012-2013, 2011-2012  
Fizik (Fizyoterapi ve Rehabilitasyon Bölümü) (I. Öğretim), Undergraduate, 2012-2013  
Mühendisler İçin Fizik-I (İnşaat Mühendisliği) (II. Öğretim), Undergraduate, 2012-2013  
Bilgisayar-I (Güzel Sanatlar Eğitimi Öğretmenliği), Undergraduate, 2012-2013  
Bilgisayar-I (Türkçe Eğitimi Öğretmenliği), Undergraduate, 2012-2013  
Fizik-I (Matematik Bölümü) (II. Öğretim), Undergraduate, 2012-2013  
Fizik (Fizyoterapi ve Rehabilitasyon Bölümü) (II. Öğretim), Undergraduate, 2012-2013  
Mühendisler İçin Fizik-II (İnşaat Mühendisliği) (II. Öğretim), Undergraduate, 2012-2013  
Genel Fizik-I (Bahçe Bitkileri Bölümü), Undergraduate, 2012-2013  
Bilgisayar-I (Özel Eğitim Öğretmenliği), Undergraduate, 2012-2013  
Uygulamalı Süperiletkenliğin Temelleri, Undergraduate Double Major, 2012-2013  
Mühendisler İçin Fizik-I (İnşaat Mühendisliği) (I. Öğretim), Undergraduate, 2012-2013  
Mühendisler İçin Fizik-II (İnşaat Mühendisliği) (I. Öğretim), Undergraduate, 2012-2013  
Fizik-I (İnşaat Mühendisliği) (I. Öğretim), Undergraduate, 2011-2012  
Fizik-I (Kimya Bölümü), Undergraduate, 2011-2012  
Genel Fizik-I (Bahçe Bitkileri Bölümü), Undergraduate, 2011-2012  
Fizik-I (İnşaat Mühendisliği) (II. Öğretim), Undergraduate, 2011-2012

Bilgisayara Giriş (Coğrafya Bölümü) (II. Öğretim), Undergraduate, 2011-2012  
Mühendislik Fiziği-II (Makine Mühendisliği)(Yaz Okulu), Undergraduate, 2011-2012  
Kuantum Fiziği-I (II. Öğretim), Undergraduate, 2011-2012  
Bilgisayara Giriş (Coğrafya Bölümü), Undergraduate, 2011-2012  
Kuantum Fiziği-II (II. Öğretim), Undergraduate, 2011-2012  
Optik İnce Filmlerin Uygulama Alanları , Undergraduate Double Major, 2011-2012

## Advising Theses

YÜCEL E., METAL KATKILI CuO/ZnO KOMPOZİT İNCE FİLMLEİN YAPISAL ve OPTİK ÖZELLİKLERİNİN İNCELENMESİ,  
Postgraduate, S.SOĞAN(Student), 2024  
YÜCEL E., Sürfaktan CAPB kullanılarak üretilen bakır (II) oksit (CuO) ince filmlerin yapısal ve optik özelliklerinin  
incelenmesi, Postgraduate, G.YILDIRIM(Student), 2022  
YÜCEL E., Katkılı mgb2 süper iletken bulk üretimi ve karakterizasyonu, Postgraduate, B.KIZILKOCA(Student), 2015  
YÜCEL E., Cu diffusion doped MgB2 superconductors, Postgraduate, M.DOĞRUER(Student), 2012

## Jury Memberships

Doctorate, Doctorate, Hatay Mustafa Kemal Üniversitesi, September, 2023  
Post Graduate, Post Graduate, Hatay Mustafa Kemal Üniversitesi, January, 2023  
Doctorate, Doctorate, Hatay Mustafa Kemal Üniversitesi, November, 2022  
Academic Staff Examination, Academic Staff Examination, Hatay Mustafa Kemal Üniversitesi, October, 2022  
Post Graduate, Post Graduate, Hatay Mustafa Kemal Üniversitesi, January, 2022  
Doctorate, Doctorate, Hatay Mustafa Kemal Üniversitesi, September, 2021  
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Hatay Mustafa Kemal  
Üniversitesi, March, 2020  
Doctorate, Doctorate, Hatay Mustafa Kemal Üniversitesi, January, 2019  
Post Graduate, Post Graduate, Hatay Mustafa Kemal Üniversitesi, June, 2017  
Post Graduate, Post Graduate, Hatay Mustafa Kemal Üniversitesi, December, 2016  
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Hatay Mustafa Kemal  
Üniversitesi, October, 2016  
Doctoral Examination, Doctoral Examination, Hatay Mustafa Kemal Üniversitesi, September, 2016

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

- I. **Chemometric optimization of the continuous flow synthesis parameters of PbS thin films: Design of experiments (DOE) based mathematical modelling for energy band gap prediction of PbS coating**  
Durak M., YÜCEL E., YÜCEL Y.  
Journal of the Indian Chemical Society, vol.101, no.12, 2024 (SCI-Expanded)
- II. **Growth and characterization of Fe-doped CuO/ZnO binary oxide thin films for possible optoelectronic applications**  
Soğan S., YÜCEL E., Sarıkaya E. K., KAHVECİ O., Aydın R., Akkaya A., Şahin B.  
Optical Materials, vol.152, 2024 (SCI-Expanded)
- III. **Mathematical modelling based on deposition parameters for optical band gap estimation of Sb2S3 thin films**  
YÜCEL E., YÜCEL Y.  
Physica B: Condensed Matter, vol.674, 2024 (SCI-Expanded)
- IV. **Production of p-CuO/n-ZnO:Co nanocomposite heterostructure thin films: An optoelectronic study**

KAHVECİ O., Akkaya A., YÜCEL E., Aydın R., Şahin B.

Ceramics International, vol.49, no.10, pp.16458-16466, 2023 (SCI-Expanded)

- V. **Use of Anionic Surfactant Sodium Lauryl Ether Sulfate as a Capping Agent in Metal-Chalcogenide PbS Thin Film Production**  
YÜCEL E.  
Acta Physica Polonica A, vol.143, no.4, pp.290-297, 2023 (SCI-Expanded)
- VI. **Surface roughness prediction in SILAR coating process of ZnO thin films: Mathematical modelling and validation**  
YÜCEL Y., Otuzbir Ö., YÜCEL E.  
Materials Today Communications, vol.34, 2023 (SCI-Expanded)
- VII. **Deposition of PbS thin films using a continuous flow reactor: Comparison of the modified technique with conventional methods in the coating of PbS thin film on the substrate**  
YÜCEL E., YÜCEL Y.  
Journal of the Indian Chemical Society, vol.99, no.10, 2022 (SCI-Expanded)
- VIII. **Variation of the key structural, morphological, and optical properties of nanostructured copper(II) oxide (CuO) thin films using surfactant CAPB as a capping agent**  
Yıldırım G., YÜCEL E.  
Journal of Materials Science: Materials in Electronics, vol.33, no.24, pp.19057-19070, 2022 (SCI-Expanded)
- IX. **Superconducting properties of saccharin-added bulk MgB<sub>2</sub> superconductors**  
YÜCEL E.  
Journal of Materials Science: Materials in Electronics, vol.31, no.3, pp.2428-2435, 2020 (SCI-Expanded)
- X. **Using of CAPB as a surfactant to improve the surface morphology and optical features of PbS films**  
YÜCEL E.  
Superlattices and Microstructures, vol.135, 2019 (SCI-Expanded)
- XI. **Effect of coumarin addition on the superconducting properties of bulk MgB<sub>2</sub> superconductors**  
Kizilkoca B., YÜCEL E.  
Materials Research Express, vol.6, no.10, 2019 (SCI-Expanded)
- XII. **Synthesis and characterization of lead sulfide thin films by coumarin assisted CBD method**  
YÜCEL Y., YÜCEL E.  
Optik, vol.164, pp.263-270, 2018 (SCI-Expanded)
- XIII. **Effect of doping concentration on the structural, morphological and optical properties of Ca-doped PbS thin films grown by CBD**  
YÜCEL E., YÜCEL Y.  
Optik, vol.142, pp.82-89, 2017 (SCI-Expanded)
- XIV. **Optimization of growth parameters for absorber material SnS thin films grown by SILAR method using response surface methodology**  
YÜCEL E., YÜCEL Y., Durak M.  
Journal of Materials Science: Materials in Electronics, vol.28, no.2, pp.2206-2214, 2017 (SCI-Expanded)
- XV. **Fabrication and characterization of Sr-doped PbS thin films grown by CBD**  
YÜCEL E., YÜCEL Y.  
Ceramics International, vol.43, no.1, pp.407-413, 2017 (SCI-Expanded)
- XVI. **Process optimization for window material CdS thin films grown by a successive ionic layer adsorption and reaction method using response surface methodology**  
YÜCEL E., YÜCEL Y., Durak M.  
Journal of Alloys and Compounds, vol.664, pp.530-537, 2016 (SCI-Expanded)
- XVII. **Effect of pH on the structural, optical and nanomechanical properties of CdS thin films grown by chemical bath deposition**  
YÜCEL E., Şahin O.  
Ceramics International, vol.42, no.5, pp.6399-6407, 2016 (SCI-Expanded)
- XVIII. **Optimization of synthesis conditions of PbS thin films grown by chemical bath deposition using response surface methodology**

- YÜCEL E., YÜCEL Y., Beeli B.  
Journal of Alloys and Compounds, vol.642, pp.63-69, 2015 (SCI-Expanded)
- XIX. **Effects of different annealing atmospheres on the properties of cadmium sulfide thin films**  
YÜCEL E., Kahraman S., Güder H.  
Materials Research Bulletin, vol.68, pp.227-233, 2015 (SCI-Expanded)
- XX. **Process optimization of deposition conditions of PbS thin films grown by a successive ionic layer adsorption and reaction (SILAR) method using response surface methodology**  
YÜCEL E., YÜCEL Y., Beeli B.  
Journal of Crystal Growth, vol.422, pp.1-7, 2015 (SCI-Expanded)
- XXI. **Optimization and modelling of preparation conditions of CuS thin films deposited by successive ionic layer adsorption and reaction (SILAR) method using response surface methodology**  
YÜCEL Y., YÜCEL E., Gökhan D.  
Journal of Materials Science: Materials in Electronics, vol.26, no.6, pp.4105-4112, 2015 (SCI-Expanded)
- XXII. **The effects of coumarin additive on the properties of CdS thin films grown by chemical bath deposition**  
YÜCEL E., Kahraman S.  
Ceramics International, vol.41, no.3, pp.4726-4734, 2015 (SCI-Expanded)
- XXIII. **Optimization of zinc sulfide thin film coating process using response surface methodology**  
YÜCEL E., YÜCEL Y.  
Journal of Materials Science: Materials in Electronics, vol.26, no.1, pp.196-203, 2015 (SCI-Expanded)
- XXIV. **Computer assisted optimization of copper sulphide thin film coating parameters on glass substrates**  
YÜCEL E., YÜCEL Y., Gökhan D.  
Applied Surface Science, vol.351, pp.904-910, 2015 (SCI-Expanded)
- XXV. **Optimization of deposition conditions of CdS thin films using response surface methodology**  
YÜCEL E., Güler N., YÜCEL Y.  
Journal of Alloys and Compounds, vol.589, pp.207-212, 2014 (SCI-Expanded)
- XXVI. **Influence of diffusion-annealing temperature on physical and mechanical properties of Cu-diffused bulk MgB<sub>2</sub> superconductor**  
Dogruer M., Zalaoglu Y., Gorur O., Ozturk O., Yildirim G., Varilci A., YÜCEL E., Terzioglu C.  
Journal of Materials Science: Materials in Electronics, vol.24, no.2, pp.776-783, 2013 (SCI-Expanded)
- XXVII. **Role of diffusion-annealing temperature on the microstructural and superconducting properties of Cu-doped MgB<sub>2</sub> superconductors**  
Dogruer M., Yildirim G., YÜCEL E., Terzioglu C.  
Journal of Materials Science: Materials in Electronics, vol.23, no.11, pp.1965-1970, 2012 (SCI-Expanded)
- XXVIII. **Optimization of fabrication conditions of MgB<sub>2</sub>/Fe superconducting tapes using response surface methodology**  
YÜCEL E., YÜCEL Y., Belenli I.  
Journal of Materials Science: Materials in Electronics, vol.23, no.7, pp.1284-1292, 2012 (SCI-Expanded)
- XXIX. **Investigation of structural and superconducting properties of Cr added Bi-2212 superconducting ceramics**  
Yildirim G., YÜCEL E., Bal S., Dogruer M., Varilci A., Akdogan M., Terzioglu C., Zalaoglu Y.  
Journal of Superconductivity and Novel Magnetism, vol.25, no.2, pp.231-237, 2012 (SCI-Expanded)
- XXX. **Effect of Mn addition on structural and superconducting properties of (Bi, Pb)-2223 superconducting ceramics**  
Yildirim G., Bal S., YÜCEL E., Dogruer M., Akdogan M., Varilci A., Terzioglu C.  
Journal of Superconductivity and Novel Magnetism, vol.25, no.2, pp.381-390, 2012 (SCI-Expanded)
- XXXI. **Fabrication and transport critical current densities of MgB<sub>2</sub>/Fe/Cu multifilament tapes without any intermediate annealing**  
YÜCEL E., Terzioglu C., Varilci A., GENÇER A., Belenli I.  
Acta Physica Polonica A, vol.121, no.3, pp.660-665, 2012 (SCI-Expanded)
- XXXII. **Fabrication and magnetoresistivity of ex-situ processed MgB<sub>2</sub>/Fe monofilament tapes without any**

### **intermediate annealing**

YÜCEL E., Terzioglu C., Varilci A., Belenli I.

Journal of Materials Science: Materials in Electronics, vol.22, no.8, pp.1143-1153, 2011 (SCI-Expanded)

XXXIII. **Fabrication and Superconducting Properties of Ex-Situ Processed MgB<sub>2</sub>/Fe Monofilament Tapes without any Intermediate Annealing**

YÜCEL E., Terzioglu C., Varilci A., Gencer A., Belenli I.

CHINESE JOURNAL OF PHYSICS, vol.49, no.3, pp.809-821, 2011 (SCI-Expanded)

XXXIV. **Effect of Gd addition on the activation energies of Bi-2223 superconductor**

Erdem M., Öztürk Ö., YÜCEL E., Altintas S., Varilci A., Terziolu C., Belenli I.

Physica B: Condensed Matter, vol.406, no.3, pp.705-709, 2011 (SCI-Expanded)

XXXV. **Fabrication and superconducting properties of ex-situ processed MgB<sub>2</sub>/Fe monofilament tapes without any intermediate annealing**

YÜCEL E., Terzioglu C., Varilci A., GENÇER A., Belenli I.

Chinese Journal of Physics, vol.49, no.3, pp.809-821, 2011 (SCI-Expanded)

### **Articles Published in Other Journals**

- I. **Investigation of Physical Properties of PbS Thin Films Containing Surfactant in Different Ratios**  
Yücel E.  
Bilecik Şeyh Edebali Üniversitesi Fen Bilimleri Dergisi, vol.9, no.1, pp.495-504, 2022 (Peer-Reviewed Journal)
- II. **Modification of Morphological, Structural and Optical Properties of CBD-Based Growth of PbS Films on Glass Substrates by Addition of Saccharin**  
YÜCEL Y., YÜCEL E.  
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.22, no.1, pp.134, 2018 (Peer-Reviewed Journal)
- III. **GÜNEŞ PİLİ UYGULAMALARI İÇİN Cds İNCE FİLMLEİN OPTİK ÖZELLİKLERİNİN MALTOZ KATKISIYLA GELİŞTİRİLMESİ**  
YÜCEL E.  
Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, vol.22, no.2, pp.1-10, 2017 (Peer-Reviewed Journal)
- IV. **n-tipi Si/Ag ve p-tipi Si/Ag Schottky Diyotların Elektriksel Özellikleri**  
ERTÜRK K., Bektöre Y., YÜCEL E.  
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.8, no.2, pp.162-166, 2004 (Peer-Reviewed Journal)
- V. **Investigation of electrical and optical properties of n-Type Si/Au Schottky barrier diode**  
BEKTÖRE Y., YÜCEL E., ERTÜRK K., HACIİSMAİLOĞLU M. C.  
ROMANIAN JOURNAL IN PHYSICS, vol.49, no.1-2, pp.105-112, 2004 (Peer-Reviewed Journal)
- VI. **I V and C V Characteristics of Schottky Barrier Diodes**  
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### **Refereed Congress / Symposium Publications in Proceedings**

- I. **SURFACTANT COCAMIDE DEA-MEDIATED GROWTH OF PbS THIN FILMS**  
YÜCEL E.  
3rd INTERNATIONAL 5 OCAK CONGRESS ON APPLIED SCIENCES, 04 January 2022
- II. **Effect of the surfactant SLES on the optical properties of PbS thin films**  
YÜCEL E.  
8th International conference on materials science and nanotechnology for next generation (MSNG2021), 14 July 2021
- III. **Effect of Low Concentration Calcium Doping on the Physical Properties of Lead Sulfide Thin Films**

YÜCEL E., YÜCEL Y.

8th International Advanced Technologies Symposium (IATS 2017), Elazığ, Turkey, 19 - 22 October 2017

- IV. **Influence of Dipping Cycles on Optical Properties of CuS Thin Films Prepared by SILAR Technique**  
YÜCEL E., YÜCEL Y.

8th International Advanced Technologies Symposium (IATS 2017), Elazığ, Turkey, 19 - 22 October 2017

- V. **Modification of structural, morphological and optical properties of PbS thin films by addition of ethylene glycol**  
YÜCEL E.

International Conference on Advances in Science 2017 (ICAS 2017), İstanbul, Turkey, 13 - 15 September 2017

- VI. **Effect of dipping time on the optical properties of SILAR deposited CuS thin films**  
YÜCEL E., YÜCEL Y.

International Conference on Advances in Science 2017 (ICAS 2017), İstanbul, Turkey, 13 - 15 September 2017

- VII. **Effect of deposition temperature on the optical properties of chemically deposited nanostructured Sb<sub>2</sub>S<sub>3</sub> thin films**  
YÜCEL E., YÜCEL Y.

International Conference on Advances in Science 2017 (ICAS 2017), İstanbul, Turkey, 13 - 15 September 2017

- VIII. **Influence of Glycerol as an additive on the PbS nanostructures prepared by chemical bath deposition method**  
YÜCEL E.

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- IX. **The effect of Sodium thiosulfate concentration in the deposition of Sb<sub>2</sub>S<sub>3</sub> films by chemical bath deposition**  
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Turkish Physical Society 33rd International Physics Congress (TFD 33), MUĞLA-BODRUM, Turkey, 6 - 10 September 2017

- X. **PbS ince filmlerin yapısal, morfolojik ve optik özellikleri üzerine bir sürfaktan olarak PEG 400' ün etkisi**  
YÜCEL E.

ADIM FİZİK GÜNLERİ VI, Balıkesir, Turkey, 19 - 21 July 2017

- XI. **SILAR (Ardışık İyonik Tabaka Adsorpsiyon ve Reaksiyonu) Metoduyla Elde Edilen SnS İnce Filmin Üretim Parametrelerinin Kemometrik Optimizasyonu**  
Durak M., YÜCEL E., YÜCEL Y.

7. Ulusal Analitik Kimya Kongresi, Turkey, 1 - 05 September 2014

- XII. **Influence of coumarin concentration on the physical properties of CdS nanostructures**  
YÜCEL E.

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- XIII. **Optimization of deposition conditions of CdS nano structured thin films using statistical methods**  
YÜCEL E., Güler N., YÜCEL Y.

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- XIV. **Determination of optimum deposition conditions of ZnS thin films using statistical approach**  
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- XV. **Optimization of Fabrication Parameters and Magnetoresistivity Properties of Ex-Situ Processed MgB<sub>2</sub>/Fe Monofilament Tapes without any Intermediate Annealing**  
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- XVI. **Calculation of the Diffusion Coefficient of Cu in MgB<sub>2</sub> Superconductors**

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- XVII. **The Effect Of Mn Addition In Bi1.6PB0.5SR2CA2.1CU3OY Superconductors**  
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- XVIII. **Investigation Of Some Physical Properties Of Cr Added Bi-2212 Superconductors**  
YILDIRIM G., YÜCEL E., DOĞRUER M., ZALAOĞLU Y., AKDOĞAN M., VARILCI A., TERZIOĞLU C.  
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- XIX. **Fabrication and superconducting properties of ex situ processed MgB<sub>2</sub>/Fe/Cu multifilament wires without any intermediate annealing**  
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- XX. **Fabrication and inductive critical current densities of MgB<sub>2</sub>/Ag superconducting wire**  
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- XXI. **The effect of extreme rolling on the properties of commercial MgB<sub>2</sub> tapes**  
YÜCEL E., BELENLİ İ.  
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- XXII. **n-TİPİ Si Ti VE p-TİPİ Si Ti SCHOTTKY DİYOTLARIN ELEKTRİKSEL ÖZELLİKLERİ**  
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## Supported Projects

YÜCEL E., Project Supported by Higher Education Institutions, Kimyasal Depolama Yöntemiyle Üretilen CdS İnce Filmlerin Üretim Parametrelerinin İstatistiksel Metotlarla Optimizasyonu, 2012 - 2020

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YÜCEL E., Project Supported by Higher Education Institutions, Katıhal Reaksiyon Yöntemiyle ve C tabanlı katkılamalar ile MgB<sub>2</sub> süperiletken bulk üretimi ve karakterizasyonu, 2014 - 2017

YÜCEL E., Project Supported by Higher Education Institutions, Katkılı MgB<sub>2</sub> süperiletken bulk üretimi ve karakterizasyonu, 2014 - 2015

## Patent

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## **Metrics**

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H-Index (Scopus): 15