

## Assoc. Prof. OSMAN DUR

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AIC-6336-2022

ScopusID: 57202846952

Yoksis Researcher ID: 218843

### Education Information

Doctorate, Marmara University, Faculty Of Arts And Sciences, Turkey 1994 - 1998

Postgraduate, Ankara University, Fen Fakültesi, Fizik Bölümü, Turkey 1989 - 1991

Undergraduate, Ondokuz Mayıs University, Faculty Of Arts And Sciences, Turkey 1984 - 1988

### Dissertations

Doctorate, Yüksek sıcaklık süperiletkenlere kaplama olarak kullanılan gümüş ve gümüş alaşımlarının magneto-dirençlerinin sıcaklık ve magnetik alana bağlı olarak değişimlerinin incelenmesi, Marmara University, Fen-Edebiyat Fakültesi, 1998

Postgraduate, Austenite-Martensite faz dönüşümlerinin fiziksel özellikleri üzerinde çalışmalar, Ankara University, Fen Fakültesi, Fizik Bölümü, 1991

### Research Areas

Condensed Matter 1: Structural, Mechanical and Thermal Properties, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties

### Academic Titles / Tasks

Assistant Professor, Gazi University, Fen Bilimleri Enstitüsü, -, 2020 - Continues

Research Assistant, Marmara University, Institute For Graduate Studies In Pure And Applied Sciences, 1994 - 1998

Research Assistant, Florida State University, National High Magnetic Field Lab., Makine , Süperiletkenlik, 1995 - 1997

Research Assistant, Ankara University, Fen Fakültesi, Fizik Bölümü, 1989 - 1993

Research Assistant, Budapeste Teknik Üniversitesi, Mhina Mühendisliği, Malzeme, 1990 - 1992

### Academic and Administrative Experience

Rector's Advisor, Gazi University, Fen Bilimleri Enstitüsü, -, 2020 - Continues

## Courses

Girişimcilik ve Proje Yönetimi, Undergraduate, 2017 - 2018

## Advising Theses

DUR O., Tc-99m antimon trisülfür kolloidin radyofarmasötik kiti haline getirilmesi ve kararlılık kontrollerinin yapılması, Postgraduate, N.ÇAKIR(Student), 2003

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

- I. **Kirinim teorisindeki bir takım iki boyutlu problemlerin çözümlenebilmesi için efektif bir metot An effective method for solving one class of integral equations in two-dimensional problems of diffraction theory**  
DUR O.  
Journal of the Faculty of Engineering and Architecture of Gazi University, vol.37, no.2, pp.1103-1110, 2022 (SCI-Expanded)
- II. **Low magnetisation alloys for in-plane spin transfer torque devices**  
Oguz K, ÖZDEMİR M. B., Dur O., Coey J. M. D.  
JOURNAL OF APPLIED PHYSICS, vol.111, no.11, 2012 (SCI-Expanded)
- III. **Field dependence of the critical current density of MgB<sub>2</sub>/Cu wire for coil development**  
Arda L., Sacli O. A., Tomsic M., Dur O., Hascicek Y. S.  
SUPERCONDUCTOR SCIENCE & TECHNOLOGY, vol.20, no.10, pp.1054-1058, 2007 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Structure and properties of multi-period vacuum-arc coatings based on chromium nitride**  
Postelnyk H. O., Sobol O., Kucerova L., Dur O.  
FUNCTIONAL MATERIALS, vol.27, no.2, pp.303-310, 2020 (ESCI)
- II. **Effect of the deposition temperature on the phase-structural state and hardness of ion-plasma coatings obtained on the basis of the quasi-binary WB<sub>2</sub>-TiB<sub>2</sub> system**  
Sobol O., Dur O.  
FUNCTIONAL MATERIALS, vol.27, no.1, pp.100-106, 2020 (ESCI)
- III. **Structural engineering of multi-period composite nitride vacuum-arc coating based on (TiAlSi)N**  
DUR O.  
MATERIALS TODAY : PROCEEDINGS, 2020 (Peer-Reviewed Journal)
- IV. **Structural engineering of multi-period (TiMo)N/ZrN vacuum arc coatings**  
Sobol O., Pinchuk N., Meylekhov A. A., Subbotina V. V., Dur O., Stolbovoy V. A., Kovteba D.  
FUNCTIONAL MATERIALS, vol.27, no.4, pp.736-743, 2020 (ESCI)
- V. **Effect of the deposition temperature on the phase-structural state and hardness of ion-plasma coatings obtained on the basis of the quasi-binary WB<sub>2</sub>-TiB<sub>2</sub> system**  
DUR O.  
FUNCTIONAL MATERIALS, vol.27, pp.100-106, 2019 (Scopus)
- VI. **Structural engineering and functional properties of vacuum-arc coatings of high-entropy (TiZrNbVHf)N and (TiZrNbVHfTa)N alloys nitrides**  
Sobol V., Dur O., Postelnyk A. A., Kraievska Z.  
FUNCTIONAL MATERIALS, vol.26, no.2, pp.310-318, 2019 (ESCI)
- VII. **A study of the effect of deposition conditions on the phase-structural state of ion-plasma WC-TiC coatings**  
Sobol O., DUR O.

Eastern-European Journal of Enterprise Technologies, vol.5, no.12-101, pp.6-13, 2019 (Scopus)

- VIII. **The Use of the Fractional Derivatives Approach to Solve the Problem of Diffraction of a Cylindrical Wave on an Impedance Strip**  
Velyev E., Karaçuha K., Karaçuha E., Dur O.  
PROGRESS IN ELECTROMAGNETICS RESEARCH LETTERS, vol.77, pp.19-25, 2018 (ESCI)
- IX. **South Korea and Turkey to strengthen bilateral relations in the ICT sector**  
DUR O.  
ICT E-Newsletter, 2007 (Peer-Reviewed Journal)
- X. **Mikro Elektro Mekanik Sistemler üretim Teknikleri II**  
DUR O.  
Endüstri ve Otomasyon, 2007 (Peer-Reviewed Journal)
- XI. **Mikro Elektronik Mekanik Sistemler Üretim Teknikleri I**  
DUR O.  
Endüstri ve Otomasyon, 2006 (Peer-Reviewed Journal)
- XII. **Contact Resistance as a Function of Surface Finish Between Cu-Ag Bitter Disks**  
DUR O.  
National High Magnetic Field Laboratory Annual Report 1997, pp.1-2, 1997 (Peer-Reviewed Journal)
- XIII. **Jc and In-Situ Lorentz Force Straining of HTS Conductors Up to 30 Tesla**  
DUR O.  
National High Magnetic Field Laboratory, 1996 (Peer-Reviewed Journal)
- XIV. **Contact Resistance as a Function of Surface Finish Between Cu-Ag Bitter Disks**  
DUR O.  
National High Magnetic Field Laboratory, pp.155-156, 1996 (Peer-Reviewed Journal)

## **Refereed Congress / Symposium Publications in Proceedings**

- I. **Structural Engineering of Nanocomposite Coatings Based on Tungsten and Titanium Carbides**  
Sobol O., Dur O.  
3rd International Conference on Design, Simulation, Manufacturing - The Innovation Exchange (DSMIE), Kharkiv, Ukraine, 9 - 12 June 2020, pp.552-561
- II. **Structural engineering of multi-period composite nitride vacuum-arc coating based on (TiAlSi)N**  
Sobol O., Dur O.  
International Scientific Conference on Materials Science - Composites, Alloys and Materials Chemistry (MS-CAMC), Saint Peter, Guernsey And Alderney, 20 - 21 November 2019, vol.30, pp.722-726
- III. **Fractional Derivative Method in the Problem of Diffraction of a Cylindrical Wave on an Impedance Strip**  
DUR O.  
Computational Methods and Telecommunication in Electrical Engineering and Finance, Saraybosna, Bosnia And Herzegovina, 6 - 09 May 2018
- IV. **Turksat Benefiting From Government Satellite Plans**  
DUR O.  
World Satellite Communication Solutions, England, 10 April 2006
- V. **Avrasya Bölgesi Uydu ve Haberleşme Sektöründe Kullanılan Yenilikçi Teknolojiler**  
DUR O.  
8. Uluslararası Uydu İletişim, Kablo, Yayıncılık ve TV Sektör Konferansı, İstanbul, Turkey, 2 - 05 December 2004
- VI. **The effect of tempering On Corrosion Fatigue Performance of Mo Ti V Microalloy Steel in an Aqueous H<sub>2</sub>S Solution**  
DUR O.  
International Mechanical Engineering Conference, 5 - 08 December 2004
- VII. **Kırmızı-Öte Spectroskopi ve Dedektör Teknolojileri**

DUR O.

Konferans, Ankara, Turkey, 01 January 2004

VIII. **Magnetoresistivity of silver magnesium sheath material for Bi based temperature superconductor**

DUR O.

1996 Applied Superconductivity Conference- Pittsburgh, Pittsburg, United States Of America, 25 - 30 August 1996

## Supported Projects

Dur O., Project Supported by Defense Industry, Yardımcı Güç Ünitesi (APU - Auxiliary Power Unit) ve Hava Türbinli Başlatma Sistemi (ATSS - Air Turbine Start System), 2021 - 2027

Dur O., Project Supported by Defense Industry, Milli Muharip Uçak Özgün Motor Geliştirme Programı, 2018 - 2027

Dur O., Project Supported by Defense Industry, BATU (Altay) V12 tank motoru ve otomatik transmisyonu geliştirilmesi, 2018 - 2023

Dur O., Project Supported by Defense Industry, Yeni Nesil Hafif Zırhlı Araç (YNHZA) V8 silindirli dizel motor ve otomatik transmisyon geliştirilmesi, 2018 - 2023

Dur O., TUBITAK Project, Türksat-6A Yerli Haberleşme Uydusu Projesi, 2006 - 2023

Dur O., Ministry of Transport, E-Devlet Alt Yapısı Kurulma Projesi, 2006 - 2007

Dur O., Other International Funding Programs, Bi-2212 Coil Critical Current as a Function of Applied Field and Quench Behaviour, 1996 - 1996

Dur O., Other International Funding Programs, Development of High Strength Conductors for High Field NMR, 1996 - 1996

## Patent

Dur O., Uzay ve Havacılık sistemleri Yorulma sensörü, Patent, CHAPTER F Mechanical engineering; Lighting; Heating; Weaponry; Destroyed Materials, The Invention Registration Number: 2006 01346 , Standard Registration, 2008

## Scientific Refereeing

Bilecik Şeyh Edebali Üniversitesi Fen Bilimleri Dergisi, National Scientific Refreed Journal, March 2022

## Metrics

Publication: 27

Citation (WoS): 39

Citation (Scopus): 28

H-Index (WoS): 4

H-Index (Scopus): 3

## Representation and Promotion Activities

Institutional Representation, Kharkiv Polytechnic University (NTU "KhPI"), Ukraine, Kharkiv, 2021 - 2021

## Non Academic Experience

TR Motor Güç Sistemleri A.Ş.

GENÇLİK VE SPOR BAKANLIĞI

Ensar Kolejleri

TR BOR A.Ş.

BMC POWER Kontrol sistemleri A.Ş.

CETEL A.Ş.

Girişimci İş Adamları Vakfı Başkan Yardımcısı

Yenikom A.Ş.

ALB Telekom

EAGLE MOBILE

GENÇLİK VE SPOR BAKANLIĞI

İNTELSAT

EUTELSAT

TÜRKSAT Uydu Haberleşme Kablo TV ve İşletme A.Ş.

İNMARSAT

EURASIASAT S.A.M.

Aycell GSM Operatörlüğü

Teknomod Metalurji

Fides Güvenlik ve Otomasyon Ltd Şirketi

KOMGIDA A.Ş.