

## Prof. VEYSEL ÖZDEMİR

### Personal Information

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### Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Makine Mühendisliği (Dr), Turkey 1994 - 1998

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Makine Mühendisliği (Yl) (Tezli), Turkey 1990 - 1993

Undergraduate, Gazi University, Mühendislik Fakültesi, Makina Mühendisliği, Turkey 1982 - 1986

### Foreign Languages

English, B2 Upper Intermediate

### Certificates, Courses and Trainings

Vocational Training, Raspberry Pi ve Arduino , FESTO, 2018

Vocational Training, Robotik Programlama , FESTO, 2018

Vocational Training, Autodesk Fusion 360 Eğitimi, AUTODESK, 2016

Foreign Language, Liverpool Hope University Centre For English Language Studies Certificate, Liverpool Hope University , 2004

### Dissertations

Doctorate, Uzay araçlarında kullanılacak termiyonik nükleer güç reaktörünün kontrol mekanizmasının tasarımı, Gazi University, Fen Bilimleri Enstitüsü, Makine Mühendisliği (Dr), 1998

Postgraduate, SÜREKLİ ŞARTLARDA SU/HAVA TİPİ ÇAPRAZ AKIŞLI ISI DEĞİŞTİRİCİLERİNİN TEORİK VE DENEYSEL OLARAK İNCELENMESİ, Gazi University, Fen Bilimleri Enstitüsü, Makine Mühendisliği (Yl) (Tezli), 1993

### Research Areas

Mechanical Engineering, Engineering and Technology

### Academic Titles / Tasks

Professor, Gazi University, Teknoloji Fakültesi, Endüstriyel Tasarım Mühendisliği Bölümü, 2019 - Continues

Associate Professor, Gazi University, Teknoloji Fakültesi, Endüstriyel Tasarım Mühendisliği Bölümü, 2013 - 2019

Associate Professor, Northern Virginia Community College, Department of Air Conditioning and Refrigeration , 2014 - 2014

Associate Professor, Gazi University, Teknoloji Fakültesi, Enerji Sistemleri Mühendisliği Bölümü, 2013 - 2013

Assistant Professor, Gazi University, Atatürk Meslek Yüksekokulu, Makine Ve Metal Teknolojileri Bölümü, 2007 - 2013

Assistant Professor, Georgia State University, Middle East Institute, 2010 - 2010

Assistant Professor, Gazi University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2003 - 2007

Assistant Professor, Liverpool Hope, 2004 - 2004

Assistant Professor, Aksaray University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 1999 - 2003

Research Assistant, Gazi University, Fen Bilimleri Enstitüsü, Makine Mühendisliği (YI) (Tezli), 1990 - 1999

## Academic and Administrative Experience

Director of Vocational School, Gazi University, Ostim Meslek Yüksekokulu, 2016 - 2020

Director of Vocational School, Gazi University, Gazi Meslek Yüksekokulu, 2016 - 2020

Director of Vocational School, Gazi University, Atatürk Meslek Yüksekokulu, 2016 - 2020

Director of Vocational School, Gazi University, Uzaktan Eğitim Meslek Yüksekokulu, 2016 - 2020

Director of Vocational School, Gazi University, Teknik Bilimler Meslek Yüksekokulu, 2016 - 2020

Manager of Research and Application Center, Gazi University, Teknoloji Transferi Uygulama ve Araştırma Merkezi, 2016 - 2017

Gazi University, Atatürk Meslek Yüksekokulu, 2012 - 2014

Hitit University, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, 2005 - 2006

Aksaray University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 1999 - 2002

## Courses

İLERİ EKOLOJİK ENDÜSTRİYEL TASARIM, Postgraduate, 2018 - 2019, 2019 - 2020, 2020 - 2021, 2021 - 2022, 2022 - 2023

## Advising Theses

ÖZDEMİR V., Aerodynamic Rim Design With Biomimetic Approach And A Practice, Postgraduate, M.TAHİR(Student), 2020

ÖZDEMİR V., Design Of Acoustic Release System, Postgraduate, E.HELVAÇILAR(Student), 2019

ÖZDEMİR V., Bus Stop Design Within The Scope Of Universal Design Approach, Postgraduate, S.DEMİR(Student), 2019

ÖZDEMİR V., Investigated for used sprinkler in fire fighting systems and numerical modeling, Postgraduate, Y.YASİN(Student), 2013

ÖZDEMİR V., Akış özelliklerinin ejektör üzerindeki etkisinin incelenmesi, Postgraduate, H.ARTAR(Student), 2010

ÖZDEMİR V., AN INVESTIGATION ON EJECTOR EFFECTS OF THE FLOW CHARACTERISTICS, Postgraduate, H.ARTAR(Student), 2010

ÖZDEMİR V., Trafikteki sürücü görüş alanlarının incelenmesi ve iyileştirilmesi, Postgraduate, M.KILIÇ(Student), 2010

ÖZDEMİR V., TRAFFIC'S FIELD OF VIEW OF THE DRIVER INVESTIGATION AND IMPROVEMENT, Postgraduate, M.KILIÇ(Student), 2010

ÖZDEMİR V., Avrupa Birliği'ne giriş sürecinde trafik kazalarının azaltılması için Türkiye'nin geliştireceği ulaşım ve enerji politikaları, Postgraduate, A.AYDOĞDU(Student), 2006

ÖZDEMİR V., Jandarma Genel Komutanlığı personelinin karıştığı özel araç kazaları, Postgraduate, H.ÇETİN(Student), 2004

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

- Additive manufacturing of carbon fiber reinforced plastic composites by fused deposition modelling: effect of fiber content and process parameters on mechanical properties**  
SEZER H. K. , EREN O., BÖRKLÜ H. R. , ÖZDEMİR V.

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.34, no.2, pp.664-674, 2019 (Journal Indexed in SCI)

- II. **Developing of dual junction GaInP/GaAs solar cell devices: effects of different metal contacts**  
Ataser T., Akn Sönmez N., Özen Y., Özdemir V., Zeybek O., Özçelik S.  
OPTICAL AND QUANTUM ELECTRONICS, vol.50, 2018 (Journal Indexed in SCI)
- III. **The effect of martensitic phase transition from cubic to tetragonal on the physical properties of V3Si superconductor**  
Tutuncu H. M. , Uzunok H. Y. , Srivastava G. P. , ÖZDEMİR V., UĞUR G.  
INTERMETALLICS, vol.96, pp.25-32, 2018 (Journal Indexed in SCI)
- IV. **Precision Irrigation System (PIS) Using Sensor Network Technology Integrated with IOS/Android Application**  
IŞIK M. F. , SÖNMEZ Y., YILMAZ C., ÖZDEMİR V., YILMAZ E. N.  
APPLIED SCIENCES-BASEL, vol.7, no.9, 2017 (Journal Indexed in SCI)
- V. **A Future Projection of Turkey's Energy Intensity**  
ÖZDEMİR V.  
ENERGY SOURCES PART B-ECONOMICS PLANNING AND POLICY, vol.9, no.1, pp.1-8, 2014 (Journal Indexed in SCI)
- VI. **DETERMINATION OF TURKEY'S CARBONIZATION INDEX BASED ON BASIC ENERGY INDICATORS BY ARTIFICIAL NEURAL NETWORKS**  
ÖZDEMİR V.  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.26, no.1, pp.9-15, 2011 (Journal Indexed in SCI)
- VII. **Sizing problem for a cross flow heat exchanger with wing-type vortex generator**  
KOTCIOĞLU İ., ÇALIŞKAN S., ÖZDEMİR V., BAŞKAYA Ş.  
HEAT AND MASS TRANSFER, vol.45, no.10, pp.1239-1246, 2009 (Journal Indexed in SCI)
- VIII. **Temperature prediction in a coal fired boiler with a fixed bed by fuzzy logic based on numerical solution**  
Biyikoglu A., Akcayol M. A. , ÖZDEMİR V., Sivrioglu M.  
ENERGY CONVERSION AND MANAGEMENT, vol.46, no.1, pp.151-166, 2005 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **Plastik Bir Su Isıtıcının Eko-Tasarım Stratejisine Göre Yaşam Döngüsü Analizi**  
TOP N., ÖZDEMİR V., ŞAHİN İ.  
Selçuk-Teknik Dergisi, vol.19, no.3, pp.104-119, 2020 (Refereed Journals of Other Institutions)
- II. **The design of fatigue strenght machine being one of the methods for determination the mechanical properties of the materials used in the industry**  
Şık A., Atak A., Yavuz C., Özdemir V.  
Journal of Science Part A: Engineering and inovation, Gazi University, vol.5, no.2, pp.79-82, 2018 (Other Refereed National Journals)
- III. **Parameters Estimation of Linear, Quadratic and Exponential Models for Energy Demand Forecasting by Using ABC Algorithm**  
ÖZDEN S., SÖNMEZ Y., MAVİ A., ÖZDEMİR V.  
International Journal of Electrical, Electronics and Data Communication, vol.6, no.6, pp.12-15, 2018 (Refereed Journals of Other Institutions)
- IV. **Thermo-Mechanical modelling of friction stir spot welding and numerical solution with the fnite element method**  
Atak A., Şık A., Özdemir V.  
International Journal of Engineering and Applied Sciences (IJEAS), vol.5, no.2, pp.70-75, 2018 (Refereed Journals of Other Institutions)
- V. **Thermo-Mechanical Modeling of Friction Stir Spot Welding and Numerical Solution With The Finite**

## **Element Method**

Atak A., Şık A., Özdemir V.

International Journal of Engineering and Applied Sciences, vol.5, no.2, pp.70-75, 2018 (Journal Indexed in ESCI)

- VI. **A Novel Conceptual Design of a Stairlift for Elderly and Disabled People**  
BÖRKLÜ H. R. , Bozbuğa F., SEZER H. K. , ÖZDEMİR V.  
Gazi University Journal of Science Part A: Engineering And Innovation, vol.5, no.1, pp.17-29, 2018 (Refereed Journals of Other Institutions)
- VII. **Topolojik nesnelerin FDM yöntemiyle üretimi”, International Journal of 3D Printing Technologies and Digital Industry**  
Demir S., SEZER H. K. , ÖZDEMİR V.  
International Journal of 3D Printing Technologies and Digital Industry, vol.2, pp.76-87, 2018 (Refereed Journals of Other Institutions)
- VIII. **The Design of Fatigue Strength Machine Being One of The Methods For Determining The Mechanical Properties Of The Materials Used In The Industry**  
Şık A., Atak A., Yavuz C., Özdemir V.  
Gazi University Journal of Science Part A: Engineering and Innovation, vol.5, no.2, pp.79-88, 2018 (Refereed Journals of Other Institutions)
- IX. **Conceptual Design of a New Buoy**  
BÖRKLÜ H. R. , HELVACILAR E., ÖZDEMİR V.  
Gazi University Journal of Science Part A, vol.4, no.4, pp.125-143, 2017 (Other Refereed National Journals)

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

- I. **Universal Design Implementations in Turkey**  
DEMİR S., ÖZDEMİR V.  
3'xxrd International Symposium on Industrial Design Engineering (ISIDE 2018), 22 - 24 November 2018, pp.412-418
- II. **Asetalin Patlama Etkilerinin Modellenmesi**  
ÇETİNYOKUŞ S., ÖZDEMİR V.  
ULUSLARARASI KATILIMLI VII. POLİMER BİLİM VE TEKNOLOJİ KONGRESİ, 9 - 12 September 2018, pp.423
- III. **Sürtünme karıştırma nokta kaynağı (SKNK) yöntemiyle otomotiv sektöründe kullanılan Magnezyum alaşımlarının birleştirilmesi [Joining of magnesium alloys with friction stir spot welding (FSSW) method used in automotive sector]**  
ATAK A., ŞIK A., ÖZDEMİR V.  
9th International Automotive Technologies Congress OTEKON 2018, Bursa, Turkey, 7 - 08 May 2018, pp.1225-1234
- IV. **Sürtünme Karıştırma Nokta Kaynağı Yöntemi İle Otomotiv Sektöründe Kullanılan Magnezyum Alaşımlarının Birleştirilmesi**  
ATAK A., ŞIK A., ÖZDEMİR V.  
Sürtünme Karıştırma Nokta Kaynağı Yöntemi İle Otomotiv Sektöründe Kullanılan Magnezyum Alaşımlarının Birleştirilmesi, Bursa, Turkey, 7 - 08 May 2018
- V. **Topolojik Nesnelerin FDM Yöntemiyle Üretimi**  
DEMİR S., SEZER H. K. , ÖZDEMİR V.  
3'rd International Congress on 3D Printing (Additive Manufacturing) Technologies and Digital Industry, Antalya, Turkey, 19 April 2018 - 21 April 2019
- VI. **Yeni bir elektrikli traş makinesinin kavramsal tasarımı**  
BÖRKLÜ H. R. , AVCI G., ÖZDEMİR V.  
International Symposium on Industry 4.0 and Applications (ISIA 2017), Karabük, Turkey, 12 - 14 October 2017, pp.256-262
- VII. **33 modeli**

ÖZDEMİR V.

2. Uluslararası Yükseköğretimde Mesleki Eğitim ve Öğretim Sempozyumu, Ankara, Turkey, 12 - 14 October 2017

VIII. **Multi-Objective Optimization Using Grey Relational Analysis in Electrical Discharge Drilling of AISI 304 Stainless Steel**

MERAL G., SARIKAYA M., YILMAZ V., ÖZDEMİR V., AYHAN E.

IV. International Multidisciplinary Congress of Eurasian, 23 - 25 August 2017

### **Supported Projects**

ÖZDEMİR V., Project Supported by Higher Education Institutions, Tornalamada AISI1040 ve Alüminyum Metallerinin Değişik İşleme Parametrelerinde İşlenmesi Esnasında Oluşan Sıcaklıkların Takım Aşınmasına Etkilerinin Deneysel Olarak Araştırılması, 2009 - 2011

### **Activities in Scientific Journals**

Gazi University Journal of Science Part A: Engineering and Innovation, First Editor, 2016 - 2020

### **Citations**

Total Citations (WOS):46

h-index (WOS):4

### **Visual Activities**

Özdemir V., Gazi University Journal of Science Part A: Engineering and Innovation, Journal Publishing, 2016 - 2020