



Asst. Prof. ÖZKAN ÖZMEN

Personal Information

Office Phone: [+90 352 207 6666](tel:+903522076666) Extension: 32097

Fax Phone: [+90 352 437 5784](tel:+903524375784)

Email: ozmen@erciyes.edu.tr

Web: <http://etm.erciyes.edu.tr/>

Address: Erciyes Üniversitesi Mühendislik Fakültesi Endüstriyel Tasarım Mühendisliği Bölümü 38039, Melikgazi/KAYSERİ

International Researcher IDs

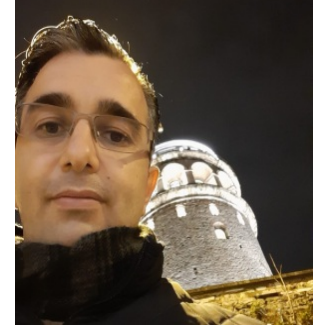
ScholarID: [It_9znAAAAAJ](https://orcid.org/0000-0001-9746-3500)

ORCID: 0000-0001-9746-3500

Publons / Web Of Science ResearcherID: AAP-1126-2020

ScopusID: 55581127200

Yoksis Researcher ID: 26190



Education Information

2013 - 2019	Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, Industrial Design Engineering, Turkey
2010 - 2012	Postgraduate, Erciyes University, Fen Bilimleri Enstitüsü, Makine Mühendisliği, Turkey
2008 - 2010	Undergraduate Minor, Erciyes University, Mühendislik Fakültesi, Elektrik- Elektronik Mühendisliği, Turkey
2005 - 2010	Undergraduate, Erciyes University, Mühendislik Fakültesi, Makine Mühendisliği, Turkey

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

2009	Programlanabilir Lojik Kontrolör (PLC), IT, Erciyes Üniversitesi
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Dissertations

2019	Kayıcı Pabuçların Performansına Yüzey Doku Geometrisi Etkilerinin Araştırılması, Erciyes University, Mühendislik Fakültesi, Endüstriyel Tasarım Mühendisliği, Doctorate
2012	Computer Aided Matrix Based Assembly Planning System Design Software, Erciyes University, Mühendislik Fakültesi, Makina Mühendisliği, Postgraduate

Research Areas

Mechanical Engineering, Construction and Manufacturing, Computer Aided Design and Manufacturing, Non-traditional

Academic Titles / Tasks

2019 - Continues	Assistant Professor, Erciyes University, Mühendislik Fakültesi, Endüstriyel Tasarım Mühendisliği
2019 - 2019	Research Assistant PhD, Erciyes University, Mühendislik Fakültesi, Endüstriyel Tasarım Mühendisliği
2011 - 2019	Research Assistant, Erciyes University, Mühendislik Fakültesi, Endüstriyel Tasarım Mühendisliği
2010 - 2011	Research Assistant, Inonu University, Mühendislik Fakültesi, Makine Mühendisliği

Academic and Administrative Experience

2016 - Continues	Anabilim Dalı Akademik Kurul Üyesi, Erciyes University, Mühendislik Fakültesi, Endüstriyel Tasarım Mühendisliği
2020 - 2023	Deputy Head of Department, Erciyes University, Mühendislik Fakültesi, Endüstriyel Tasarım Mühendisliği

Courses

2024 - 2025	Special Topics in Biomedical Device Design, Postgraduate
2024 - 2025	Seminar, Postgraduate
2023 - 2024	Programming , Undergraduate
2023 - 2024	Workplace Training, Undergraduate
2024 - 2025	Fused Filament Fabrication and Polymeric Materials, Postgraduate
2024 - 2025	Scientific Research and Ethics, Doctorate
2024 - 2025	Fluid Mechanics, Undergraduate
2023 - 2024	Machine Elements, Undergraduate
2020 - 2021	Thermal System Design, Undergraduate
2020 - 2021	Artificial Neural Networks and Applications in Design , Undergraduate
2020 - 2021	Thermodynamic System Design , Undergraduate

Advising Theses

2024	Özmen Ö., Postgraduate, M.ÖZDEN(Student), CONCEPTUAL DESIGN AND AERODYNAMIC ANALYSIS OF A HARD- SHELL ROOF TOP TENT OF CAR
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Taught Courses And Trainings

2011 - 2011	Özmen Ö., Unigraphics 7.0 ve Solid Edge Eğitimi
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Published journal articles indexed by SCI, SSCI, and AHCI

- Novel radiopaque poly (lactic acid) filament production for phantom applications, and model studies for hard tissues
Özmen Ö., Yasan Ö. B., Sevim Ç., Yılmaz E., Doğan M.

RAPID PROTOTYPING JOURNAL, vol.12, no.1, pp.1-15, 2024 (SCI-Expanded)

- II. **Impact of printing parameters on the dynamic outputs of a slider-crank mechanism with FFF-based 3D-printed crank-arms**
Sevim Ç., Özmen Ö., Parlak M., Uzman İ.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS, PART L: JOURNAL OF MATERIALS: DESIGN AND APPLICATIONS, vol.0, no.0, pp.1-19, 2024 (SCI-Expanded)
- III. **Production and Characterization of Flame Retardant Leather Waste Filled Thermoplastic Polyurethane**
Üstüntaş S., Çakır N., Erdem A., Özmen Ö., Doğan M.
ACS Omega, vol.9, no.8, pp.9475-9485, 2024 (SCI-Expanded)
- IV. **Short carbon fiber reinforced poly(lactic acid) and its thermoplastic polyurethane blends: The effect of carbon fiber, polyurethane, and compatibilizer amounts**
Arslan Ç., Erdem A., ÖZMEN Ö., Tayfun Ü., DOĞAN M.
Journal of Vinyl and Additive Technology, 2024 (SCI-Expanded)
- V. **Production and characterization of flame-retardant poly (butylene terephthalate) composites containing boron compounds**
Elcin O., Guney S., Turker G., Erdem A., Hacıoğlu F., ÖZMEN Ö., DOĞAN M.
POLYMER-PLASTICS TECHNOLOGY AND MATERIALS, vol.63, no.16, pp.2194-2204, 2024 (SCI-Expanded)
- VI. **Experimental study and computational intelligence on dynamic viscosity and thermal conductivity of HNTs based nanolubricant**
Wadi V. T., Özmen Ö., Çalışkan A., Karamiş M. B.
Industrial Lubrication And Tribology, vol.74, no.1, pp.102-110, 2022 (SCI-Expanded)
- VII. **Experimental analysis and modeling of viscosity and thermal conductivity of GNPs/SAE 5W40 nanolubricant**
Wadi V. T., ÖZMEN Ö., Karamiş M. B.
INDUSTRIAL LUBRICATION AND TRIBOLOGY, vol.73, no.1, pp.74-81, 2021 (SCI-Expanded)
- VIII. **Prediction of Leakage from an Axial Piston Pump Slipper with Circular Dimples Using Deep Neural Networks**
ÖZMEN Ö., SİNANOĞLU C., Caliskan A., Badem H.
CHINESE JOURNAL OF MECHANICAL ENGINEERING, vol.33, no.1, 2020 (SCI-Expanded)
- IX. **Prediction of Slipper Pressure Distribution and Leakage Behaviour in Axial Piston Pumps Using ANN and MGGP**
ÖZMEN Ö., SİNANOĞLU C., BATBAT T., GÜVEN A.
MATHEMATICAL PROBLEMS IN ENGINEERING, vol.2019, 2019 (SCI-Expanded)
- X. **Optimum Assembly Sequence Planning System Using Discrete Artificial Bee Colony Algorithm**
Özmen Ö., Batbat T., Ozen T., Sinanoğlu C., Güven A.
MATHEMATICAL PROBLEMS IN ENGINEERING, vol.2018, 2018 (SCI-Expanded)
- XI. **NEURAL PREDICTOR TO ANALYSE THE EFFICIENCY OF POSITIVE DISPLACEMENT PUMPS**
CANBULUT F., SİNANOĞLU C., ERKİLET M., ÖZMEN Ö.
JOURNAL OF THE BALKAN TRIBOLOGICAL ASSOCIATION, vol.18, no.4, pp.530-539, 2012 (SCI-Expanded)

Articles Published in Other Journals

- I. **The Flame Retardancy Performance of Aluminum Hypophosphite and its Synergistic Effect with Expandable Graphite in Carbon Fiber Reinforced Poly (Lactic Acid) Composites**
Atabek Savaş L., Savaş S., Doğan M., Özmen Ö., Yalçın C.
The Eurasia Proceedings of Science Technology Engineering and Mathematics, vol.29, pp.120-127, 2024 (Scopus)
- II. **Sert Kabuklu Araç Üstü Kamp Çadırının Aerodinamik Tasarımı Ve Analizi**
Özmen Ö., Özden M.
Niğde Ömer Halisdemir Üniversitesi Mühendislik Bilimleri Dergisi, vol.13, no.4, pp.1355-1363, 2024 (Peer-

Reviewed Journal)

- III. **Doğrudan Metal Lazer Sinterleme Prosesi ve Dental Alanda Co Cr Üretiminde Kullanımı**
ÖZMEN Ö., SİNANOĞLU C.
AKADEMİK BİLİM MÜHENDİSLİK DERGİSİ, 2016 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Eksenel Pistonlu Pompalarda Kayıcı Pabuçların Yüzey Geometrisinin Hesaplamalı Akışkanlar Dinamiği Analizi**
UÇAR H., ÖZMEN Ö., SİNANOĞLU C.
TheThird International Symposium on Industrial Design & Engineering (ISIDE2018), Antalya, Turkey, 22 - 24 November 2018, pp.393-398
- II. **Yapay Sinir Ağı ile Eksenel Pistonlu Pompalardaki Yatakların Güç Kaybının İncelenmesi**
ÖZMEN Ö., YILMAZ E., SİNANOĞLU C.
TheThird International Symposium on Industrial Design & Engineering (ISIDE2018), Antalya, Turkey, 22 - 24 November 2018, pp.399-404
- III. **Nano Parçacık Katkılı Yağlayıcı Akışkanda Katkı Malzemesinin Fonksiyonlandırılması**
ÖZMEN Ö., SARI F. N., KILIÇ DOKAN F., KÖPRÜ S., AKŞİT İ., SİNANOĞLU C.
The Second International Symposium on Industrial Design & Engineering (ISIDE2017), Nevşehir, Turkey, 13 - 15 September 2017, pp.171-178
- IV. **Eksenel Pistonlu Pompa Kayıcı Pabuçlarının Hesaplamalı Akışkanlar Dinamiği ile Analizi**
Özmen Ö., Sinanoğlu C., Güngör G. M., Cabir S., Genç C.
The Second International Symposium on Industrial Design & Engineering (ISIDE2017), Nevşehir, Turkey, 13 - 15 September 2017, pp.1-7
- V. **Doğrudan Metal Lazer Sinterleme Prosesi ve Dental Alanda Co-Cr Üretiminde Kullanımı**
ÖZMEN Ö., SİNANOĞLU C.
3B Baskı Teknolojileri Uluslararası Sempozyumu, İstanbul, Turkey, 5 - 07 May 2016, pp.8-18
- VI. **Matrix Based Assembly Sequence Planning System Design by Volume Criteria**
Özmen Ö., Özen T., Sinanoğlu C.
I. Uluslararası Endüstriyel Tasarım Mühendisliği Sempozyumu, Karabük, Turkey, 8 - 09 May 2014, pp.1-6

Supported Projects

2024 - Continues	3D Baskı Metoduna Uygun Çevre Dostu Hibrit Harçların Geliştirilmesi ve Yaşam Döngüsü Değerlendirmesi İle Çevresel Etkilerinin Belirlenmesi, Project Supported by Higher Education Institutions
2023 - Continues	3D Printer İle Biyobozunur Filament Üretimi ve Fantom Tasarımı, Project Supported by Higher Education Institutions
2022 - Continues	Sürdürülebilir kaynaklardan güç tutuşur termoplastik poliüretan biyokompozit malzeme üretilmesi, Project Supported by Higher Education Institutions
2023 - 2024	Mühendislik Fakültesi Öğrencilerinin Eğitim ve Öğretim Süreçlerinin Eğitimde Ar-Ge Modeli ile Geliştirilmesi ve Yapay Sinir Ağları Metodu ile Analizi, Project Supported by Higher Education Institutions
2017 - 2023	3D optik tarayıcı (CMM) doğruluğunun tarama parametreleri optimizasyonu ve fotogrametri desteği ile artırılması, Project Supported by Higher Education Institutions
2016 - 2022	KAYICI PABUÇLARIN PERFORMANSINA YÜZEY DOKU GEOMETRİSİ ETKİLERİNİN ARAŞTIRILMASI, Project Supported by Higher Education Institutions
2017 - 2017	2'nd International Symposium on Industrial Design & Engineering, Project Supported by Higher Education Institutions

2013 - 2015	Alternatif Yakıtlı CAI - Hibrit Motor Tasarımı Ve Emisyonlar Üzerine Etkisinin Araştırılması, TUBITAK Project
2012 - 2012	BİLGİSAYAR DESTEKLİ MATRİS TEMELLİ MONTAJ PLANLAMA SİSTEM TASARIMI YAZILIMI, Project Supported by Higher Education Institutions

Patent

2023	Özmen Ö., Araç için tavan üstü çadır, Industrial Design, CHAPTER A Human Needs, The Invention Registration Number: 2023 013809 , Standard Registration, 2023
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Memberships / Tasks in Scientific Organizations

2011 - Continues	Erciyes Design and Manufacturing Association (ETİMDER), Member
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Scientific Refereeing

March 2020	PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART E-JOURNAL OF PROCESS MECHANICAL ENGINEERING, SCI Journal
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Scientific Research / Working Group Memberships

2024 - Continues	3D Printer Araştırma Grubu, https://avesis.erciyes.edu.tr/arastirma-grubu/printres , Erciyes University, Turkey
2023 - Continues	Dogan Araştırma Grubu, https://avesis.erciyes.edu.tr/arastirma-grubu/drg , Erciyes University, Turkey

Metrics

Publication: 20
Citation (WoS): 48
Citation (Scopus): 57
H-Index (WoS): 4
H-Index (Scopus): 4

Congress and Symposium Activities

2018	The Third International Symposium on Industrial Design & Engineering (ISIDE2018), Attendee, Antalya, Turkey
2017	The Second International Symposium on Industrial Design & Engineering (ISIDE2017), Attendee, Nevşehir, Turkey
2016	3B Baskı Teknolojileri Uluslararası Sempozyumu, Attendee, İstanbul, Turkey
2014	The First International Symposium on Industrial Design Engineering (ISIDE14), Attendee, Karabük, Turkey

Scholarships

2010 - 2012	Yurt İçi Yüksek Lisans Bursu, TUBITAK
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Awards

June 2010

Bölüm birinciliđi, T.C. Erciyes Üniversitesi Mühendislik Fakültesi Makine Mühendisliđi

Non Academic Experience

2011 - Continues

T.C. Erciyes Üniversitesi Mühendislik Fakültesi Endüstriyel Tasarım Mühendisliđi Bölümü

2021 - 2021

Business Establishment Private, Aca Biomedikal Solutions Sağlık San. Ve Tic. Ltd. Şti, AR-GE