

## Kişisel Bilgiler

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### Uluslararası Araştırmacı ID'leri

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Publons / Web Of Science ResearcherID: DVU-2765-2022

ScopusID: 57201519752

Yoksis Araştırmacı ID: 215451

## Eğitim Bilgileri

Doktora, Çukurova Üniversitesi, Fen Bilimleri Enstitüsü, Makina Mühendisliği, Türkiye 2018 - 2024

## Araştırma Alanları

Makina Elemanları, Makina Tasarımı, Kırılma Mekaniği, Sonlu Elemanlar Yöntemi

## SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Predicting the indentation load of FRP facesheet / foam core sandwiches**  
Çetin A., Uzay Ç., Tütüncü N., Geren N.  
Structures, cilt.62, 2024 (SCI-Expanded)
- II. **A practical approach to predict the flexural properties of woven plain carbon fiber/epoxy laminates**  
Çetin A., Uzay Ç., Geren N., Bayramoğlu M., Tütüncü N.  
MECHANICS OF ADVANCED MATERIALS AND STRUCTURES, cilt.30, sa.9, ss.1801-1811, 2023 (SCI-Expanded)
- III. **Predicting the tensile stiffness and strength properties of plain woven carbon fiber/epoxy laminates: a practical analytical approach and experimental validations**  
Uzay Ç., Çetin A., Geren N., Bayramoğlu M., Tütüncü N.  
MECHANICS OF ADVANCED MATERIALS AND STRUCTURES, sa. , ss.1-16, 2023 (SCI-Expanded)
- IV. **Physical and mechanical properties of laminar composites depending on the production methods: an experimental investigation**  
Uzay Ç., Çetin A., Geren N.  
SADHANA - ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES, cilt.47, sa.4, ss.1-14, 2022 (SCI-Expanded)
- V. **3D pull-out finite element simulation of the pedicle screw-trabecular bone interface at strain rates**  
Çetin A., Bircan D. A.  
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART H-JOURNAL OF ENGINEERING IN MEDICINE, cilt.236, sa.1, ss.134-144, 2022 (SCI-Expanded)
- VI. **Experimental investigation of pull-out performance of pedicle screws at different polyurethane (PU) foam densities**  
Çetin A., Bircan D. A.  
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART H-JOURNAL OF ENGINEERING IN MEDICINE, cilt.235, sa.6, ss.709-716, 2021 (SCI-Expanded)

- VII. **ASSESSMENT OF CRACK INITIATION AND PROPAGATION IN BONE USING ACOUSTIC EMISSION (AE) TECHNIQUES**  
KARADUMAN D., BİRCAN D. A., ÇETİN A.  
JOURNAL OF MECHANICS IN MEDICINE AND BIOLOGY, cilt.18, sa.3, 2018 (SCI-Expanded)

### **Diğer Dergilerde Yayınlanan Makaleler**

- I. **Evaluation of Flexural Stiffness for the Lightweight Polymer Foam Core Sandwich Structures**  
UZAY Ç., ACER D. C., GEREN N., ÇETİN A.  
International Journal of Mechanical and Production Engineering (IJMPE), cilt.6, sa.9, ss.36-40, 2018 (Hakemli Dergi)
- II. **AKUSTİK EMİSYON (AE) YÖNTEMİNİN BİYOMEDİKAL ALANDA ALTERNATİF BİR METOT OLARAK UYGULANMASI**  
Bircan D. A., Karaduman D., Çetin A.  
Adıyaman Üniversitesi Mühendislik Bilimleri Dergisi, cilt.6, ss.34-41, 2017 (Hakemli Dergi)
- III. **Non-Destructive examination of underground pressure vessels using acoustic emission (AE) techniques**  
Karaduman D., Bircan D. A., Çetin A.  
European Mechanical Science, cilt.1, sa.1, ss.1-8, 2017 (Hakemli Dergi)
- IV. **Pull Out Performance of Medical Screws Used in Orthopaedic Surgeries**  
BİRCAN D. A., ÇETİN A.  
Çukurova Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, cilt.31, ss.221-228, 2016 (Hakemli Dergi)

### **Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar**

- I. **Finite Element Simulations of Cortical and Trabecular Bone to Assess Constitutive Material Modelling Parameters**  
ÇETİN A., BİRCAN D. A., KARADUMAN D.  
Third International Congress On Natural And Engineering Sciences, Belgrade, Sırbistan Ve Karadağ, 21 - 25 Haziran 2017, ss.12
- II. **Significant influence of rating the spur gear design results obtained from iso and agma standards**  
Uzay Ç., Geren N., Çetin A.  
1st International Mediterranean SCIENCE AND ENGINEERING CONGRESS, Adana, Türkiye, 26 - 28 Ekim 2016
- III. **Non-Destructive Examination of Underground Pressure Vessels Using Acoustic Emission (AE) Techniques**  
KARADUMAN D., BİRCAN D. A., ÇETİN A.  
1st International Mediterranean Science And Engineering Congress (IMSEC2016), Adana, Türkiye, 26 - 28 Ekim 2016, ss.438
- IV. **Pull out performance of medical screws used in orthopaedic surgeries**  
BİRCAN D. A., ÇETİN A.  
1st International Mediterranean Science And Engineering Congress (IMSEC2016), Adana, Türkiye, 26 - 28 Ekim 2016, ss.318
- V. **Biomedical Considerations in Fracture Fixation Using Orthopaedic Implants**  
BİRCAN D. A., ÇETİN A., KARADUMAN D.  
International Conference on Advanced Technology & Sciences (ICAT'16), Konya, Türkiye, 1 - 03 Eylül 2016, ss.33-41

### **Metrikler**

Yayın: 16

Atıf (WoS): 4

Atıf (Scopus): 4

H-İndeks (WoS): 1

H-İndeks (Scopus): 1