

## Öğr.Gör.Dr. Beril GÜMÜŞ

### Kişisel Bilgiler

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### Uluslararası Araştırmacı ID'leri

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### Eğitim Bilgileri

Doktora, Marmara Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği, Türkiye 2006 - 2013

Yüksek Lisans, Marmara Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği, Türkiye 2001 - 2004

Lisans, Yıldız Teknik Üniversitesi, Makine Fakültesi, Makine Mühendisliği, Türkiye 1994 - 1998

### Yabancı Diller

İngilizce, C1 İleri

### Araştırma Alanları

Makina Mühendisliği, Mühendislik ve Teknoloji

### Akademik Unvanlar / Görevler

Öğretim Görevlisi Dr., Yıldız Teknik Üniversitesi, Rektörlük, -, 2015 - Devam Ediyor

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

- Morphological, rheological, and mechanical properties of PLA/TPU/nanoclay blends compatibilized with epoxy-based Joncryl chain extender**  
Kahraman Y., Özdemir B., Gümüş B., Nofar M.  
COLLOID AND POLYMER SCIENCE, cilt.1, sa.2, ss.1-12, 2022 (SCI-Expanded)
- Thermal, structural and morphological properties of polypropylene and high density polyethylene polymer composites filled with waste urea formaldehyde**  
Yağci Ö., Gümüş B., Taşdemir M.  
POLYMER BULLETIN, 2022 (SCI-Expanded)
- Composition design of PLA/TPU emulsion blends compatibilized with multifunctional epoxy-based chain extender to tackle high impact resistant ductile structures**  
Kahraman Y., Alkan Göksu Y., Özdemir B., GÜMÜŞ B., Nofar M.  
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.139, sa.12, 2022 (SCI-Expanded)
- Effects of Various Laser Treatments on Surface Characterization and Repair Bond Strength of**

## **Zirconia-Reinforced Lithium Silicate Ceramics**

Benli M., Kilic E., Gümüş B., Turkyilmaz I.

JOURNAL OF PROSTHODONTICS, cilt.35, sa.2, ss.137-244, 2022 (SCI-Expanded)

- V. **High-density polyethylene/artichoke leaf powder polymer composites: dynamic mechanical, morphological and thermal properties**  
Gümüş B., Yağci Ö., Taşdemir M.  
Iranian Polymer Journal, 2022 (SCI-Expanded)
- VI. **Impact of print bed build location on the dimensional accuracy and surface quality of parts printed by multi jet fusion**  
SAĞBAŞ B., Gumus B. E., Kahraman Y., Dowling D. P.  
JOURNAL OF MANUFACTURING PROCESSES, cilt.70, ss.290-299, 2021 (SCI-Expanded)
- VII. **An Experimental and Numerical Determination on Low-Velocity Impact Response of Hybrid Composite Laminate**  
ERBAYRAK E., YÜNCÜOĞLU E. U., KAHRAMAN Y., GÜMÜŞ B.  
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY-TRANSACTIONS OF MECHANICAL ENGINEERING, cilt.45, sa.3, ss.665-681, 2021 (SCI-Expanded)
- VIII. **Thermal, structural and dynamical mechanical properties of hollow glass sphere-reinforced polypropylene composites**  
YAĞCI Ö., Eker Gumus B., TAŞDEMİR M.  
POLYMER BULLETIN, cilt.78, sa.6, ss.3089-3101, 2021 (SCI-Expanded)
- IX. **Can polylactic acid be a CAD/CAM material for provisional crown restorations in terms of fit and fracture strength?**  
Benli M., Eker-Gümüş B., Kahraman Y., Huck O., Özcan M.  
Dental materials journal, cilt.40, ss.772-780, 2021 (SCI-Expanded)
- X. **Surface characterization and bonding properties of milled polyetheretherketone dental posts**  
Benli M., Eker Gümüş B., Kahraman Y., Huck O., Özcan M.  
Odontology, cilt.108, sa.4, ss.596-606, 2020 (SCI-Expanded)
- XI. **THERMAL, STRUCTURAL AND MORPHOLOGICAL CHARACTERIZATION OF DENTAL POLYMERS FOR CLINICAL APPLICATIONS**  
Benli M., Gümüş B., Kahraman Y., Yağci Ö., Ceylan Erdoğan D.  
JOURNAL OF PROSTHODONTIC RESEARCH, cilt.65, sa.2021, ss.1-9, 2020 (SCI-Expanded)
- XII. **Investigations of Strain Rate Effects on the Mechanical Properties of Hybrid Composite Laminate Under Varying Temperatures**  
Erbayrak E., Gümüş B., Kahraman Y., Yüncüoğlu E. U.  
Arabian Journal For Science And Engineering, ss.1-12, 2020 (SCI-Expanded)
- XIII. **Surface roughness and wear behavior of occlusal splint materials made of contemporary and high-performance polymers**  
Benli M., Gumus B., KAHRAMAN Y., Gokcen-Rohlig B., Evlioglu G., Huck O., Ozcan M.  
ODONTOLOGY, cilt.108, sa.2, ss.240-250, 2020 (SCI-Expanded)
- XIV. **Dynamical Mechanical Properties of Polypropylene Composites Filled with Olive Pit Particles**  
EKER GÜMÜŞ B., YAĞCI Ö., CEYLAN ERDOĞAN D., Taşdemir M.  
JOURNAL OF TESTING AND EVALUATION, ss.1-12, 2019 (SCI-Expanded)
- XV. **Effects of process parameters on the quality of PLA products fabricated by fused deposition modeling (FDM): surface roughness and tensile strength**  
Altan M., Eryıldız M., Gumus B., Kahraman Y.  
MATERIALS TESTING, cilt.60, ss.471-477, 2018 (SCI-Expanded)
- XVI. **Characterization of hollow glass sphere reinforced epoxy composites: Dynamical mechanical analysis and morphology**  
Altan M., Gümüş B., KAHRAMAN Y.  
Materialpruefung/Materials Testing, cilt.59, sa.3, ss.239-243, 2017 (SCI-Expanded)
- XVII. **Sustainable machining of the magnesium alloy materials in the CNC lathe machine and optimization**

**of the cutting conditions**

Eker Gümüş B.

Mechanika, cilt.20, ss.310-316, 2014 (SCI-Expanded)

## **Diğer Dergilerde Yayınlanan Makaleler**

- I. **Montmorillonite Kilinin HDPE/ HGS Kompozitlerinin Fiziksel Özellikleri Üzerindeki Etkisi**  
Gümüş B.  
Afyon Kocatepe Üniversitesi Fen ve Mühendislik Dergisi, cilt.21, sa.3, ss.735-744, 2021 (Hakemli Dergi)
- II. **A RELIABILITY APPROACH FROM MECHANICAL ENGINEERING POINT OF VIEW**  
EKER GÜMÜŞ B.  
Sigma Mühendislik ve Fen Bilimleri Dergisi, sa.36, ss.629-644, 2018 (Hakemli Dergi)

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

- I. **THERMAL, MORPHOLOGICAL AND DYNAMICAL MECHANICAL PROPERTIES OF HDPE/HGS/MMT NANOCOMPOSITES**  
EKER GÜMÜŞ B.  
FOURTH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING: ICAME 2018 SUPPORTED BY JOURNAL OF THERMAL ENGINEERING INTERNATIONAL JOURNAL OF ADVANCES ON AUTOMOTIVE AND TECHNOLOGY ICAME 2018 DECEMBER 19-, İstanbul, Türkiye, 19 Aralık 2018, ss.800-806
- II. **Improvement in Adhesion of Sandwich Structures With Polypropylene Honeycomb Core Depending on Surface Roughness and Fabrication Method**  
Sönmez M. E., Eker Gümüş B., Eryıldız M., Altan M.  
4th International Conference on Advances In Mechanical Engineering, ICAME 2018, İstanbul, Türkiye, 19 - 21 Aralık 2018, ss.1038-1045
- III. **CAM KÜRE VE NANOKİL KATKILI YÜKSEK YOĞUNLUKLU POLİETİLEN POLİMER KOMPOZİTLERİNİN MEKANİK ÖZELLİKLERİ**  
EKER GÜMÜŞ B.  
13. Ulusal Kimya Mühendisliği Kongresi, Van, Türkiye, 03 Eylül 2018, ss.20-28
- IV. **A New Sheet Die Design Methodology to Eliminate Scrap Shedding Problems During Mass Production**  
EKER GÜMÜŞ B., Ekici B.  
ASME 2010 10th Biennial Conference on Engineering Systems Design and Analysis, İstanbul, Türkiye, 12 Temmuz 2010, sa.3, ss.243-249
- V. **Transit Connect Yük Sabitleme Kancasının Dayanım Analizi(Ford Otosan)**  
EKER GÜMÜŞ B.  
Türkiye Abaqus Kullanıcılar Toplantısı SIMULIA, İstanbul, Türkiye, 05 Kasım 2008, cilt.8, sa.1, ss.5-10

## **Metrikler**

Yayın: 24

Atıf (WoS): 32

Atıf (Scopus): 23

H-İndeks (WoS): 3

H-İndeks (Scopus): 3