

## Prof.Dr. Melek USAL

### Kişisel Bilgiler

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### Eğitim Bilgileri

Doktora, Süleyman Demirel Üniversitesi, Fen Bilimleri Enstitüsü, Makina, Türkiye Devam Ediyor  
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Lisans, Akdeniz Üniversitesi, Isparta Mühendislik Fakültesi, Makina, Türkiye Devam Ediyor

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

- I. **Determination of constitutive equations dependent on temperature changes for dielectric materials having micro-voids**  
Usal M., USAL M. R. , Korkmaz E.  
JOURNAL OF ELECTROMAGNETIC WAVES AND APPLICATIONS, cilt.30, sa.4, ss.505-522, 2016 (SCI-Expanded)
- II. **On Continuum Damage Modeling of Fiber Reinforced Viscoelastic Composites with Microcracks in terms of Invariants**  
Usal M.  
MATHEMATICAL PROBLEMS IN ENGINEERING, 2015 (SCI-Expanded)
- III. **A Mathematical Model for the Magnetoelastic Behavior of Anisotropic Magnetic Sensitive Materials Based on Continuum Theory**  
Usal M., Kurbanoglu C., Yunlu L.  
INTERNATIONAL JOURNAL OF NONLINEAR SCIENCES AND NUMERICAL SIMULATION, cilt.15, sa.6, ss.387-396, 2014 (SCI-Expanded)
- IV. **On constitutive equations for thermoelastic analysis of fiber-reinforced composites with isotropic matrix material**  
Usal M., USAL M. R. , ESENDEMİR Ü.  
CONTINUUM MECHANICS AND THERMODYNAMICS, cilt.25, sa.1, ss.77-88, 2013 (SCI-Expanded)
- V. **A MATHEMATICAL MODEL FOR THE LINEAR CONSTITUTIVE EQUATIONS OF A THERMOELASTIC COMPOSITE CONTINUUM REINFORCED BY SINGLE FAMILY OF ARBITRARILY FIBER**  
Usal M., Hamamci B.  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, cilt.26, sa.2, ss.315-324, 2011 (SCI-Expanded)
- VI. **COMPARISON OF ANALYTICAL AND NUMERICAL SOLUTIONS FOR SIMPLY SUPPORTED COMPOSITE BEAMS UNDER UNIFORMLY DISTRIBUTED LOADS**  
Esendemir U., USAL M. R. , Usal M.  
JOURNAL OF POLYMER ENGINEERING, cilt.30, ss.161-175, 2010 (SCI-Expanded)
- VII. **A Constitutive Formulation for the Linear Thermoelastic Behavior of Arbitrary Fiber-Reinforced Composites**  
Usal M.  
MATHEMATICAL PROBLEMS IN ENGINEERING, 2010 (SCI-Expanded)
- VIII. **A Mathematical Model for the Electrothermomechanical Behavior of Dielectric Viscoelastic Materials**

- Usal M., USAL M. R. , Kurbanoglu C.  
SCIENCE AND ENGINEERING OF COMPOSITE MATERIALS, cilt.16, sa.3, ss.171-185, 2009 (SCI-Expanded)
- IX. **On Magneto-Viscoelastic Behavior of Fiber-Reinforced Composite Materials PART I: ANISOTROPIC MATRIX MATERIAL**  
Usal M., USAL M. R. , Erdem A. U.  
SCIENCE AND ENGINEERING OF COMPOSITE MATERIALS, cilt.16, sa.1, ss.41-56, 2009 (SCI-Expanded)
- X. **On Magneto-Viscoelastic Behavior of Fiber-Reinforced Composite Materials PART - II: ISOTROPIC MATRIX MATERIAL**  
Usal M., USAL M. R. , Erdem A. U.  
SCIENCE AND ENGINEERING OF COMPOSITE MATERIALS, cilt.16, sa.1, ss.57-76, 2009 (SCI-Expanded)
- XI. **A Mathematical Model for the Electrothermomechanical Behavior of Viscoelastic Piezoelectric Body Having Hexagonal Symmetry**  
Usal M., USAL M. R. , Kurbanoglu C.  
SCIENCE AND ENGINEERING OF COMPOSITE MATERIALS, cilt.16, sa.3, ss.153-170, 2009 (SCI-Expanded)
- XII. **Static and dynamic analysis of simply supported beams**  
USAL M. R. , Usal M., ESENDEMİR Ü.  
JOURNAL OF REINFORCED PLASTICS AND COMPOSITES, cilt.27, sa.3, ss.263-276, 2008 (SCI-Expanded)
- XIII. **A Continuum Formulation for Fiber-Reinforced Viscoelastic Composite Materials With Microstructure PART - I: ANISOTROPIC MATRIX MATERIAL**  
Usal M., USAL M. R. , Esendemir U.  
SCIENCE AND ENGINEERING OF COMPOSITE MATERIALS, cilt.15, sa.3, ss.217-234, 2008 (SCI-Expanded)
- XIV. **A Continuum Formulation for Fiber-Reinforced Viscoelastic Composite Materials with Microstructure PART - II: ISOTROPIC MATRIX MATERIAL**  
Usal M., USAL M. R. , Esendemir U.  
SCIENCE AND ENGINEERING OF COMPOSITE MATERIALS, cilt.15, sa.3, ss.235-247, 2008 (SCI-Expanded)
- XV. **The effects of shear on the deflection of simply supported composite beam loaded linearly**  
Esendemir U., Usal M. R. , Usal M.  
JOURNAL OF REINFORCED PLASTICS AND COMPOSITES, cilt.25, sa.8, ss.835-846, 2006 (SCI-Expanded)

## **Diğer Dergilerde Yayınlanan Makaleler**

- I. **ON DEVELOPING OF A THERMOELASTIC CONTINUUM DAMAGE MODEL FOR DIELECTRIC COMPOSITE MATERIALS**  
USAL M. R. , USAL M.  
SDÜ Uluslararası Teknolojik Bilimler Dergisi, cilt.9, sa.3, ss.33-54, 2017 (Hakemli Dergi)
- II. **Orta Noktasından Tekil Yüke Maruz Kompozit Basit Kiriş İçin Maksimum Sehım Değerlerinin Deneysel, Nümerik ve Analitik Olarak İrdelenmesi.**  
ESENDEMİR Ü., USAL M. R. , ÖNDÜRÜCÜ A., USAL M.  
Manisa Celal Bayar Üniversitesi Soma MYO Teknik Bilimler Dergisi, cilt.2, sa.14, ss.1-9, 2010 (Hakemli Dergi)
- III. **Orta Noktasından Tekil Yüke Maruz Kompozit Basit Kiriş İçin Maksimum Sehım Değerlerinin Deneysel, Nümerik ve Analitik Olarak İrdelenmesi.**  
ESENDEMİR Ü., USAL M. R. , ÖNDÜRÜCÜ A., USAL M.  
Celal Bayar Üniversitesi Soma MYO Teknik Bilimler Dergisi, cilt.2, sa.14, ss.1-9, 2010 (Hakemli Dergi)

## **Metrikler**

Yayın: 18

Atf (WoS): 30

Atf (Scopus): 31

H-İndeks (WoS): 3

H-İndeks (Scopus): 4