

Personal Information

Email: hozer@yildiz.edu.tr

Research Areas

Mechanical Engineering, Mechanical, Solid Mechanics, Engineering and Technology

Advising Theses

- ÖZER H., Kendi-kendini Onaran Akıllı Yapıştırıcı Kırılma Tokluğunun Nümerik ve Deneysel Olarak Belirlenmesi, Doctorate, E.Erbayrak(Student), 2018
- ÖZER H., Bünyesinde Çatlak Bulunan Levhanın Boron-Epoksi Yama ile Tamirinde İki Farklı Yapıştırıcı Birlikte (Hibrit) Kullanmanın Tek Bindirmeli Bağlantının Kayma Gerilmelerine Etkisinin İncelenmesi, Post Graduate, M.Çay(Student), 2016
- ÖZER H., Reddy-Bickford Çatlaklı Kiriş Titreşiminin Teorik, Nümerik ve Deneysel Olarak İncelenmesi, Doctorate, M.A. (Student), 2016
- ÖZER H., Yaşlandırma Isıl İşleminin AA 7075 Malzemeli Dikdörtgen Plağın Burkulma Yükü Üzerine Etkisi, Post Graduate, Ö.Öz(Student), 2016
- ÖZER H., Yapıştırıcılar ve köşeleri Yuvarlatılmış Basamaklı Bindirme Yapıştırıcı Bağlantılarda Gerilme Analizi, Post Graduate, A.Çalık(Student), 2016
- ÖZER H., Hibrit Yapıştırma Bağlantı Hasarının Nümerik ve Deneysel Olarak İncelenmesi, Doctorate, Ö.Öz(Student), 2016
- ÖZER H., Enine Dikişli Kaynak Bağlantılarının Sonlu Elemanlar Metodu ile Gerilme Analizi, Post Graduate, S.Arı(Student), 2016
- ÖZER H., Yassı Çelik Haddeme İşleminde Merdane Yük Parametrelerinin İncelenmesi ve Merdane Konumlandırma, Post Graduate, M.Süleyman(Student), 2016
- ÖZER H., Araldite 2015 Epoksi Yapıştırıcı Mod 1 Kırılma Tokluk Değerinin Deney ve Sonlu Elemanlar Metodu ile Belirlenmesi, Post Graduate, E.Erbayrak(Student), 2016

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

- **The effects of curing temperature on fracture energy and cohesive parameters for the adhesive Araldite 2015**
ÖZER H., Erbayrak E.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.32, pp.1287-1312, 2018 (Journal Indexed in SCI)
- **The use of the exponential Drucker-Prager material model for defining the failure loads of the mono and bi-adhesive joints**
ÖZER H., ÖZ Ö.
INTERNATIONAL JOURNAL OF ADHESION AND ADHESIVES, vol.76, pp.17-29, 2017 (Journal Indexed in SCI)
- **An experimental investigation on the failure loads of the mono and bi-adhesive joints**
ÖZ Ö., ÖZER H.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.31, pp.2251-2270, 2017 (Journal Indexed in SCI)
- **A Comparative Evaluation of Numerical and Analytical Solutions to the Biadhesive Single-Lap Joint**
ÖZER H., ÖZ Ö.
MATHEMATICAL PROBLEMS IN ENGINEERING, 2014 (Journal Indexed in SCI)
- **Variational Principles for Bending and Vibration of Partially Composite Timoshenko Beams**
Ozer H.
MATHEMATICAL PROBLEMS IN ENGINEERING, 2014 (Journal Indexed in SCI)
- **On the von Mises elastic stress evaluations in the bi-adhesive single-lap joint: a numerical and analytical study**

ÖZ Ö., ÖZER H.

JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.28, pp.2133-2153, 2014 (Journal Indexed in SCI)

- **Three dimensional finite element analysis of bi-adhesively bonded double lap joint**

ÖZER H., ÖZ Ö.

INTERNATIONAL JOURNAL OF ADHESION AND ADHESIVES, vol.37, pp.50-55, 2012 (Journal Indexed in SCI)

- **A variational formulation and analysis of polar orthotropic circular plates using an energy principle, part II: Thick plates**

Ozer H.

SCIENCE AND ENGINEERING OF COMPOSITE MATERIALS, vol.15, pp.59-70, 2008 (Journal Indexed in SCI)

- **Application of the variational iteration method to thin circular plates**

Ozer H.

INTERNATIONAL JOURNAL OF NONLINEAR SCIENCES AND NUMERICAL SIMULATION, vol.9, pp.25-30, 2008 (Journal Indexed in SCI)

- **A comparative analysis of Mindlin and Kirchhoff bending solutions for nonlinearly tapered annular plate with free edges**

Ozer H.

ARCHIVE OF APPLIED MECHANICS, vol.77, pp.393-405, 2007 (Journal Indexed in SCI)

- **A Variational Formulation and Analysis of Polar Orthotropic Circular Plates Using an Energy Principle Part I Thin Plates**

ÖZER H.

Science and Engineering of Composite Materials, vol.14, pp.317-328, 2007 (Journal Indexed in SCI Expanded)

- **Application of the variational iteration method to the boundary value problems with jump discontinuities arising in solid mechanics**

Ozer H.

INTERNATIONAL JOURNAL OF NONLINEAR SCIENCES AND NUMERICAL SIMULATION, vol.8, pp.513-518, 2007 (Journal Indexed in SCI)

- **A computer software for simulating single-compartmental model of neurons**

Ozer M., Isler Y., Ozer H.

COMPUTER METHODS AND PROGRAMS IN BIOMEDICINE, vol.75, pp.51-57, 2004 (Journal Indexed in SCI)

Articles Published in Other Journals

- **Recent Advances in Adhesively Bonded Lap Joints Having Bi-Adhesive and Modulus-Graded Bondlines: A Critical Review**

ÖZ Ö., ÖZER H.

REVIEWS OF ADHESION AND ADHESIVES, vol.6, pp.82-103, 2018 (Journal Indexed in ESCI)

- **EFFECT OF ADHESIVE TYPE ON FREE TRANSVERSE VIBRATION OF SINGLE LAP JOINT**

ERBAYRAK E., ÖZER H., ERBAYRAK S., ÇEPER K., AĞIRKOL B., GÜNER E.

INTERNATIONAL JOURNAL OF ADVANCES ON AUTOMOTIVE AND TECHNOLOGY, vol.2, pp.104-107, 2018 (Refereed Journals of Other Institutions)

- **Hibrit Yapıştırma Düzeninin Bindirme Bağlantı Mukavemetine Etkileri**

ÖZ Ö., ÖZER H.

Mühendis ve Makina, vol.57, pp.63-72, 2016 (Other Refereed National Journals)

- **The Effects of the Aging Heat Treatment on Buckling Load of 7075 Aluminum Alloy Rectangular Plate**

ÖZ Ö., ÖZER H.

e-Journal of New World Sciences Academy, vol.8, pp.263-271, 2009 (Other Refereed National Journals)

- **Aspects of the Gurson Model and its Applications**

ÖZER H., Günay D.

MATHEMATICAL AND COMPUTATIONAL APPLICATIONS, vol.8, pp.327-334, 2003 (Other Refereed National Journals)

- **Düz Dişlilerde Profil Kaydırma Faktörünün, Çatlak İlerleme Yolu Üzerindeki Etkisi (The Effect of Addendum Modification Coefficient on Crack Propagation Path at Addendum Modified Gears)**

ÖZER H., Günay D.

Makine Tasarımı ve İmalat Dergisi (Journal of Mechanical Design and Production), vol.4, pp.89-95, 2001 (Other Refereed National Journals)

- **Enine Dikişli Kaynak Bağlantılarında Gerilme Analizi (Stress Analysis in the Transverse Fillet Weld Joints)**
Elmas M., Aydemir A., Çaağlar N., ÖZER H.
Mühendislik Bilimleri Dergisi (Journal of Engineering Sciences), vol.3, pp.323-329, 1997 (Other Refereed National Journals)
- **Düz Dişlilerde Jant Kalınlığının Diş Kökü Gerilmeleri Üzerindeki Etkisi (Effect of Rim Thickness on the Root Stresses of Spur Gear Tooth)**
ÖZER H., Aydemir A.
Mühendislik Bilimleri Dergisi (Journal of Engineering Sciences), vol.3, pp.299-303, 1997 (Other Refereed National Journals)
- **The Effect of Addendum Modification Coefficient on Tooth Stresses of Spur Gear**
ÖZER H., Aydemir A.
MATHEMATICAL AND COMPUTATIONAL APPLICATIONS, vol.1, pp.36-43, 1996 (Other Refereed National Journals)
- **Torsional Stresses in the Transverse Fillet Weld Tubular Joints**
ÖZER H., Aydemir A.
MATHEMATICAL AND COMPUTATIONAL APPLICATIONS, vol.1, pp.29-35, 1996 (Other Refereed National Journals)

Book & Book Chapters

- **in: Progress in Adhesion and Adhesives**
ÖZ Ö., ÖZER H.
Recent Advances in Adhesively Bonded Lap Joints Having BilAdhesive and ModulusGraded Bondlines: A Critical Review, K.L. Mittal, Editor, Scrivener Publishing LLC, pp.77-97, 2019
- **in: Applied Adhesive Bonding in Science and Technology**
ÖZER H.
Introductory Chapter: Structural Adhesive Bonded Joints, Özer H., Editor, Intech, Rijeka, pp.3-10, 2018
- **in: Applied Adhesive Bonding in Science and Technology**
ÖZER H.
Introductory Chapter: Structural Adhesive Bonded Joints, Halil Özer, Editor, IntechOpen, Londrina, pp.3-10, 2018
- **in: ADHESIVES APPLICATIONS AND PROPERTIES**
ÖZER H., ERBAYRAK E.
Experimental Investigation on the Self-Healing Efficiency of Araldite 2011 Adhesive Reinforced with Thermoplastic Microparticles, Rudawska A., Editor, Intech, Rijeka, pp.169-185, 2016

Refereed Congress / Symposium Publications in Proceedings

- **NUMERICAL INVESTIGATION OF DYNAMIC BEHAVIOR OF COMPOSITE BEAMS CONNECTED WITH SINGLE-LAP JOINT**
USAL M. M. A. , ÖZER H.
International Natural Science, Engineering and Materials Technology Conference, 9 - 10 Eylül 2019
- **Study on the Self-Healing Efficiency of Araldite Av138M Adhesive**
ERBAYRAK E., ÖZER H.
3rd International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 19 - 21 Eylül 2019
- **Çekmeye Maruz Köşeleri Yuvarlatılmış Basamaklı Bindirme Bağlantısının Gerilme Analizi**
ÇALIK A., ÖZER H.
3rd International Mediterranean Science and Engineering Congress (IMSEC 2018), Adana, Turkey, 24 - 26 Ekim 2018, vol.1, pp.1634-1635
- **Sultan II. Abdülhamid Döneminde Osmanlıda Teknoloji**
Koyun A., Özer H., Şahin İ., Kıyak M.

Vefatının 100. Yılında Sultan II. Abdülhamid ve Dönemi Uluslararası Kongresi, İstanbul, Turkey, 22 - 24 Ekim 2018, pp.390-391

• **Sultan II. Abdülhamid Döneminde Osmanlıda Tarihi**

KOYUN A., ÖZER H., ŞAHİN İ., KIYAK M.

Vefatının 100. Yılında Sultan II. Abdülhamid ve Dönemi Uluslararası Kongresi, İstanbul, Turkey, 22 Ekim 2018, pp.390-391

• **EFFECT OF ADHESIVE TYPE ON FREE TRANSVERSE VIBRATION OF SINGLE LAP JOINT**

ERBAYRAK E., ÖZER H., ERBAYRAK S., çeper k., ağırkol b., güner e.

3rd INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 201719-21 December 2017, Yıldız Technical University, Istanbul, Turkey, 19 - 21 Aralık 2017

• **Evaluating the Repair Performance of the Cracked Plate Using Adhesive Shear Stresses**

ÖZER H., Çay M.

5th International Symposium on Innovative Technologies in Engineering and Science, Baku, Azerbaijan, 29 - 30 Eylül 2017, pp.1746-1752

• **ADHESIVE-RECESSING EFFECT ON SHEAR STRESSES ARISING IN SINGLE LAP JOINT**

ÖZ Ö., ÇEVİK ELEN N., ÖZER H.

Uluslararası Mühendislik Araştırmaları Sempozyumu, Düzce, Turkey, 11 - 13 Eylül 2017

• **Numerical and Analytical Investigations on The Stress Distributions in Single Lap Joints**

ÖZ Ö., ÖZER H.

4th International Symposium on Innovative Technologies in Engineering and Science (ISITES2016), Antalya, Turkey, 3 - 05 Kasım 2016, pp.625-634

• **Stiffness Prediction for Bi adhesive Single Lap joints**

ÖZ Ö., ÖZER H.

1st International Conference on Engineering and Natural Sciences (ICENS), Skopje, Macedonia, 15 - 19 Mayıs 2015

• **Effects of the Mono and Bi adhesive Bondlines on the Shear Stresses in a Cracked Plate Repaired by the Boron epoxy Patch**

ÖZER H., Çay M.

International Conference on Advances in Mechanical Engineering (ICAME'15), İstanbul, Turkey, 13 - 15 Mayıs 2015

• **Vakum Ortamında Karıştırma İşleminin Araldite 2015 Epoksi Yapıştırıcınının Hasar Yükü Üzerine Etkisi**

ÖZ Ö., ÖZER H.

15th International Materials Symposium (IMSP'2014), Denizli, Turkey, 15 - 17 Ekim 2014, pp.1-8

• **Determination of Mode 1 Fracture Toughness for Araldite 2015 Epoxy A Comparative Study**

ERBAYRAK E., ÖZER H.

31st Danubia-Adria Symposium on Advances in Experimental Mechanics, Kempten, Germany, 24 Eylül - 27 Nisan 2014, pp.19-20

• **Joint Stress Optimization by the Hybrid Adhesive Lap Joint**

ÖZER H., ÖZ Ö.

14th International Conference on Advances in Materials and Processing Technologies (AMPT), İstanbul, Turkey, 13 - 16 Temmuz 2011, vol.445, pp.1000-1001

• **Three Dimensional Finite Element Analysis of Bi Adhesively Bonded Double Lap Joint**

ÖZER H., ÖZ Ö.

International Conference on Structural on Adhesive Bonding (AB 2011), Porto, Portugal, 7 - 08 Temmuz 2011

• **Mühendis ve Mühendisliğin Konumu**

GÜNAY D., ÖZER H.

IV. Ulusal Makina Mühendisliği ve Eğitimi Sempozyumu, İstanbul, Turkey, 1 - 03 Kasım 2001, pp.83-94

• **Artificial Neural Network Approach to Buckling Coefficients of Laminated Orthotropic Rectangular Plates with a Centrally Rectangular Hole**

Özyiğit H., ÖZER H.

• **Effect of Loading Rate on Fracture Energy and Cohesive Parameters of Araldite 2015. 3rd International Conference on Structural Adhesive Bonding**

Özer H.

3rd International Conference on Structural Adhesive Bonding

- **The Effect of Overload on Fatigue Life in Riveted Parts**
ÖZER H., Ekmekci N.
- **Düz Dişlilerde Çatlak Probleminin Sonlu Elemanlar Metodu ile İncelenmesi (An investigating of Crack Problem at Spur Gears by the Finite Element Method)**
ÖZER H., Günay D.
- **Comparative Analysis of the Beam Length Effect on Free Vibration of Cracked Beams**
ÖZER H., Ornek M. A.
- **Düz Dişlilerde Çatlak İlerleme Yolunun Lineer Elastik Kırılma Mekanikliği Yaklaşımı ile Belirlenmesi**
ÖZER H., Günay D.
- **The Fuzzy Finite Element Stress Analysis of Spur Gears**
ÖZER H., Günay D.
- **EXPERIMENTAL AND NUMERICAL STUDY ON DETERMINATION OF CRITICAL BUCKLING LOAD FOR SINGLE LAP JOINT**
ERBAYRAK E., Özer H., Özertuğ B., Özbek T., Özdemir Y.
INTERNATIONAL CONFERENCE ON ENERGY SYSTEMS
- **Vibration Analysis of Cracked Beams**
ÖZER H., Özyiğit H., Altan F.
- **Stress Analysis in Cylindrical Adhesive Lap Joints of Pressure Vessels**
Aydemir A., ÖZER H.
- **Effect of Loading Rate on Fracture Energy and Cohesive Parameters of Araldite 2015**
ÖZER H.
- **Evaluation of Crack Propagation in the Profile Shifted Spur Gear**
ÖZER H., Günay D.
- **Determination of Mode I Fracture Toughness for Araldite 2015 Epoxy: A Comparative Study. 31st Danubia Adria Symposium on Advances in Experimental Mechanics**
ERBAYRAK E., Özer H.
31st Danubia Adria Symposium on Advances in Experimental Mechanics
- **Experimental Determination of Mode I Fracture Toughness of Araldite AV138M Adhesive**
ERBAYRAK E., Özer H., Erbayrak S.
5th International Conference on Fracture and Damage Mechanics
- **Linear Free Vibrations of Curved Beam having Variable Cross Section and Concentrated Mass at Free End**
Altan F., ÖZER H.
- **Stress Analysis of Human Tibia under Torsional Loading**
ÖZER H., Ornek M., Nazlım A., Gündoğdu S.
- **Variational Iteration Method for Solving Boundary Value Problems with Jump Discontinuities**
ÖZER H.
- **Stress Analysis of Human Tibia under Compressive Loading**
ÖZER H., Nazlım A., Ornek M., Gündoğdu S.
- **Free Vibration Analysis of Beam with Multiple Cracks**
ÖZER H., Ornek M.
- **Vibration Analysis of Euler-Bernoulli Beam Based on the Variational Iteration Method**
ÖZER H.
- **Tooth Stresses in Addendum Modified Spur Gears**
ÖZER H., Aydemir A.
- **Research on Computer Modelling of a Crack and Crack Propagation in the Gear Tooth Fillet**
ÖZER H., Günay D.
- **Düz Dişlilerde Dişkökü Gerilmelerinin Sonlu Elemanlar Yöntemiyle Analizi (An Analysis of Root Stresses of Spur Gear Tooth by the Finite Element Method)**
ÖZER H., Aydemir A.

ÖZER H., Project Supported by Higher Education Institutions, TERMOPLASTİK TAKVİYELİ EPOKSİ YAPIŞTIRICILARIN KENDİ-KENDİNİ ONARMA DAVRANIŞININ NÜMERİK VE DENEYSEL OLARAK BELİRLENMESİ, 2015 - 2018
ÖZER H., Project Supported by Higher Education Institutions, Reddy-Bickford Çatlaklı Kiriş Titreşiminin, Teorik, Nümerik ve Deneysel Olarak İncelenmesi, 2011 - 2014

Citations

Total Citations (WOS):100

h-index (WOS):5