

## Prof. ADNAN ÖZEL



### Personal Information

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### International Researcher IDs

ORCID: 0000-0001-8527-3136

ScopusID: 7005713501

Yoksis Researcher ID: 4517

### Education Information

Doctorate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Makine Mühendisliği, Turkey 1988 - 1993

Postgraduate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Makine Mühendisliği, Turkey 1986 - 1988

Undergraduate, Firat University, Faculty Of Engineering, Department Of Mechanical Engineering, Turkey 1979 - 1983

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Increasing the strenght of silent chain by residual stresses, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Makine MÜhendisliği, 1993

Postgraduate, Dişli çarklarda alttan kesilmenin zyklold eğrileri ile etüdü (cad çalışması), Dokuz Eylul University, Makine Mühendisliği Bölümü, 1988

### Research Areas

Mechanical Engineering, Mechanical, Solid Mechanics, Engineering and Technology

### Academic Titles / Tasks

Professor, Erzincan Binali Yıldırım University, Mühendislik-Mimarlık Fakültesi, Makine Mühendisliği Bölümü, 2015 - Continues

Professor, Ataturk University, Mühendislik Fakültesi, Makine, 2003 - 2015

Associate Professor, Ataturk University, Mühendislik Fakültesi, Makine, 1997 - 2003

Assistant Professor, Ataturk University, Mühendislik Fakültesi, Makine, 1994 - 1997

Research Assistant PhD, Ataturk University, Mühendislik Fakültesi, Makine, 1993 - 1994

Research Assistant, Ataturk University, Mühendislik Fakültesi, Makine, 1985 - 1993

Lecturer, Ataturk University, Erzincan Meslek Yüksek Okulu, Motor, 1984 - 1985

## Academic and Administrative Experience

Vice Rector, Erzincan Binali Yildirim University, Mühendislik-Mimarlık Fakültesi, Makine Mühendisliği Bölümü, 2010 - 2020

Dean, Erzincan Binali Yildirim University, Mühendislik-Mimarlık Fakültesi, Makine Mühendisliği Bölümü, 2015 - 2018

## Courses

Elastisite Teorisi, Doctorate, 2021 - 2022

Makine Elemanları-2, Undergraduate, 2021 - 2022, 2020 - 2021, 2014 - 2015

Makine Elemanları-1, Undergraduate, 2021 - 2022, 2020 - 2021, 2015 - 2016

İleri Mukavemet, Postgraduate, 2021 - 2022

Sürekli Ortamlar Mekaniği, Doctorate, 2021 - 2022

Seminer, Postgraduate, 2015 - 2016

Uzmanlık Alan Dersi, Postgraduate, 2015 - 2016

Makine Elemanları-II, Undergraduate, 2014 - 2015

Makine Elemanları-I, Undergraduate, 2015 - 2016, 2014 - 2015

Statik, Undergraduate, 2013 - 2014

Mukavemet-2, Undergraduate, 2013 - 2014

Mukavemet-II, Undergraduate, 2013 - 2014

Statik, Undergraduate, 2013 - 2014

Mukavemet-I, Undergraduate, 2013 - 2014

Mukavemet-I, Undergraduate, 2013 - 2014

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Structural, thermal, and mechanical properties of silanized boron carbide doped epoxy nanocomposites**  
Gultekin K., UĞUZ G., TOPCU Y., ÖZEL A.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.138, no.42, 2021 (SCI-Expanded)
- II. **Improvements of the structural, thermal, and mechanical properties of structural adhesive with functionalized boron nitride nanoparticles**  
Gultekin K., UĞUZ G., ÖZEL A.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.138, no.21, 2021 (SCI-Expanded)
- III. **Homogenized pouch cell material modelling and a comparison study**  
ORHAN O., ÖZEL A.  
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.45, no.2, pp.2668-2679, 2021 (SCI-Expanded)
- IV. **The effect of opposing notch geometry on the tensile strength of adhesively bonded single-lap joints**  
ÇAM S., ÖZEL A.  
ENGINEERING COMPUTATIONS, vol.37, no.8, pp.2895-2911, 2020 (SCI-Expanded)
- V. **Experimental and numerical determination of the thermal cycle performance of joints obtained with nanostructure-doped nanocomposite adhesives**  
Akpınar S., ÖZEL A.  
COMPOSITES PART B-ENGINEERING, vol.174, 2019 (SCI-Expanded)
- VI. **The fracture behaviour of nanostructure added adhesives under ambient temperature and thermal**

**cyclic conditions**

Kanar B., Akpınar S., Akpınar I. A., AKBULUT H., ÖZEL A.

THEORETICAL AND APPLIED FRACTURE MECHANICS, vol.97, pp.120-130, 2018 (SCI-Expanded)

- VII. **An experimental study on composite adhesives reinforced with different types of organo-clays**  
Akpınar I. A., Gultekin K., Akpınar S., GÜRSES A., ÖZEL A.  
JOURNAL OF ADHESION, vol.94, no.2, pp.124-142, 2018 (SCI-Expanded)
- VIII. **Investigation of mechanical and thermal properties of nanostructure-doped bulk nanocomposite adhesives**  
Akpınar I. A., GÜRSES A., Akpınar S., Gultekin K., AKBULUT H., ÖZEL A.  
JOURNAL OF ADHESION, vol.94, no.11, pp.847-866, 2018 (SCI-Expanded)
- IX. **Research on strength of nanocomposite adhesively bonded composite joints**  
AKPINAR I. A., Gültekin K., Akpınar S., AKBULUT H., ÖZEL A.  
Composites Part B: Engineering, vol.126, pp.143-152, 2017 (SCI-Expanded)
- X. **Experimental analysis on the single -lap joints bonded by a nanocomposite adhesives which obtained by adding nanostructures**  
AKPINAR I. A., Gultekin K., Akpınar S., AKBULUT H., ÖZEL A.  
COMPOSITES PART B-ENGINEERING, vol.110, pp.420-428, 2017 (SCI-Expanded)
- XI. **Effects of unbalance on the adhesively bonded composites-aluminium joints**  
Gultekin K., Akpınar S., ÖZEL A., Oner G. A.  
JOURNAL OF ADHESION, vol.93, no.9, pp.674-687, 2017 (SCI-Expanded)
- XII. **The effects of graphene nanostructure reinforcement on the adhesive method and the graphene reinforcement ratio on the failure load in adhesively bonded joints**  
Gültekin K., Akpınar S., GÜRSES A., Eroglu Z., ÇAM S., AKBULUT H., KESKIN Z., ÖZEL A.  
Composites Part B: Engineering, vol.98, pp.362-369, 2016 (SCI-Expanded)
- XIII. **The effect of moment and flexural rigidity of adherend on the strength of adhesively bonded single lap joints**  
Gültekin K., Akpınar S., Özel A.  
Journal of Adhesion, vol.91, no.8, pp.637-650, 2015 (SCI-Expanded)
- XIV. **A study on the strength of adhesively bonded joints with different adherends**  
Ozel A., Yazici B., Akpınar S., Aydın M. D., Temiz S.  
COMPOSITES PART B-ENGINEERING, vol.62, pp.167-174, 2014 (SCI-Expanded)
- XV. **The effect of the adherend width on the strength of adhesively bonded single-lap joint: Experimental and numerical analysis**  
Gultekin K., Akpınar S., Ozel A.  
COMPOSITES PART B-ENGINEERING, vol.60, pp.736-745, 2014 (SCI-Expanded)
- XVI. **Effect of the Spew Fillet on Adhesively Bonded Single-Lap Joint Subjected to Tensile Loading: Experimental and 3-D Non-Linear Stress Analysis**  
Doru M. O., Ozel A., Akpınar S., Aydın M. D.  
JOURNAL OF ADHESION, vol.90, no.3, pp.195-209, 2014 (SCI-Expanded)
- XVII. **The effect of the spew fillet on an adhesively bonded single-lap joint subjected to bending moment**  
Akpınar S., Doru M. O., Ozel A., Aydın M. D., Jahanpasand H. G.  
COMPOSITES PART B-ENGINEERING, vol.55, pp.55-64, 2013 (SCI-Expanded)
- XVIII. **Nonlinear stress analysis in adhesively bonded single-lap joint**  
Sayman O., Ozel A., Pasinli A., Ozen M.  
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.27, no.21, pp.2304-2314, 2013 (SCI-Expanded)
- XIX. **3-D non-linear stress analysis on the adhesively bonded T-joints with embedded supports**  
Akpınar S., Aydın M. D., Temiz S., Ozel A.  
COMPOSITES PART B-ENGINEERING, vol.53, pp.314-323, 2013 (SCI-Expanded)
- XX. **A non-linear elastic-plastic stress analysis in a ductile double-lap joint**  
Sayman O., Ozen M., Ozel A., Demir T., Korkmaz B.  
SCIENCE AND ENGINEERING OF COMPOSITE MATERIALS, vol.20, no.2, pp.163-168, 2013 (SCI-Expanded)

- XXI. **Effect of protrusion at the ends of bondline in single lap joints under tension and bending**  
Akpınar S., TEMİZ Ş., Aydın M. D., Ozel A.  
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.26, no.23, pp.2591-2602, 2012 (SCI-Expanded)
- XXII. **Determination of Mechanical Properties of Double-Strap Adhesive Joints with an Embedded Patch**  
Cıtlı S., Temiz S., ALTUN H., Ozel A.  
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.25, no.18, pp.2555-2567, 2011 (SCI-Expanded)
- XXIII. **Effect of curing pressure on the strength of adhesively bonded joints**  
AYDIN M. D., TEMİZ S., Oezel A.  
JOURNAL OF ADHESION, vol.83, no.6, pp.553-571, 2007 (SCI-Expanded)
- XXIV. **Elastoplastic stress analysis of thick laminated metal-matrix composite plates by the finite-element method**  
ALAR G., Oezel A., SEN S., KARAKUZU R.  
MECHANICS OF COMPOSITE MATERIALS, vol.42, no.4, pp.373-384, 2006 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Experimental and numerical analysis of epoxy based adhesive failure on mono- and bi-material single lap joints under different displacement rates**  
Kahramanzade H., ÇAM S., ORHAN O., ÖZEL A.  
Fracture and Structural Integrity, no.52, pp.9-24, 2020 (Scopus)
- II. **Çekmeye Maruz Ara Boşluklu Çift Takviyeli Yapıştırma Bağlantılarında Gerilme Analizi**  
ÇİTİL Ş., TEMİZ Ş., ÖZEL A.  
EÜFBED - Fen Bilimleri Enstitüsü Dergisi, vol.5, no.2, pp.173-190, 2012 (Peer-Reviewed Journal)
- III. **Nemli Ortamlara Maruz Yapısal Yapıştırıcıların Dayanımı**  
TEMİZ Ş., AYDIN M. D., ALAR G., ÖZEL A.  
Mühendis ve Makina, vol.49, no.585, pp.25-30, 2008 (Peer-Reviewed Journal)
- IV. **İnce Cidarlı, Çapraz Takviyeli, Tabakalı Kompozit Tüplerde Sonlu Elemanlar Yöntemi ile Burkulma Analizi**  
ALAR ÖNER G., TEMİZ Ş., AKBULUT H., ÖZEL A.  
DEÜ Fen ve Mühendislik Dergisi, vol.9, no.1, pp.35-44, 2007 (Peer-Reviewed Journal)

## Supported Projects

ÖZEL A., ÇAM S., Project Supported by Higher Education Institutions, Tek Tesirli Yapıştırma Bağlantılarında Gerilme Yığılmalarının Azaltılması, 2015 - 2016

## Metrics

Publication: 61  
Citation (WoS): 614  
Citation (Scopus): 801  
H-Index (WoS): 16  
H-Index (Scopus): 17

## Non Academic Experience

Bristol University İNGİLTERE