



# RECEP EKİCİ

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### International Researcher IDs

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ScopusID: 15080586600

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## Learning Knowledge

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Post Doctorate 2012 - 2013	Texas A&M University, College of Engineering, Mechanical Engineering, United States Of America
Doctorate 2004 - 2009	Erciyes University, Fen Bilimleri Enstitüsü, Makina Mühendisliği, Turkey
Postgraduate 2002 - 2004	Erciyes University, Fen Bilimleri Enstitüsü, Makina Mühendisliği, Turkey
Undergraduate 1996 - 2001	Erciyes University, Mühendislik Fakültesi, Makina Mühendisliği, Turkey

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## Foreign Languages

English, C1 Advanced

## Dissertations

Doctorate, METAL MATRİSLİ KOMPOZİTLERİN BATMA ALTINDA MEKANİK DAVRANIŞLARINA MİKROYAPININ ETKİSİ, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Makina Mühendisliği Anabilimdalı, 2009

Postgraduate, ALÜMİNYUM ESASLI SİC PARTİKÜL TAKVİYELİ METAL MATRİSLİ KOMPOZİT MALZEMELERİN DARBE DAVRANIŞLARININ İNCELENMESİ, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Makina Mühendisliği Anabilimdalı, 2004

## Academic Titles / Tasks

Professor 2021 - Continues	Erciyes University, Mühendislik Fakültesi, Makina Mühendisliği
Associate Professor 2015 - 2021	Erciyes University, Mühendislik Fakültesi, Makina Mühendisliği
Assistant Professor 2009 - 2015	Erciyes University, Mühendislik Fakültesi, Makina Mühendisliği
Research Assistant 2001 - 2009	Erciyes University, Mühendislik Fakültesi, Makina Mühendisliği

## Supported Projects

1. EKİCİ R., YILAN F., URTEKİN L., Project Supported by Higher Education Institutions, Seçici Lazer Ergitme ile Üretilen AlSi10Mg Alaşım Zırh Malzemesinin Geliştirilmesi Yapısal Balistik Darbe Performanslarının Araştırılması ve Optimizasyon Stratejileri, 2024 - Continues
2. EKİCİ R., YILDIZ N., KÖSEDAĞ E., Project Supported by Higher Education Institutions, 3D Yazıcılar ile Üretilen Sürekli Fiber Takviyeli Nanodolgulu Kompozitlerin Mekanik Özelliklerinin İncelenmesi, 2024 - Continues
3. EKİCİ R., SARAÇ S. S., YASAN Ö. B., Project Supported by Higher Education Institutions, 3D Yazıcı ile Üretilen Hibrit Kompozitlerin Mekanik Özelliklerine Sıcaklık Etkisinin İncelenmesi, 2024 - Continues
4. EKİCİ R., BAYAZİT A., Project Supported by Higher Education Institutions, 3D Boşluklu Kumaşlardan Elde Edilen Sandviç Kompozit Yapıların Mekanik Davranışlarının İncelenmesi, 2022 - Continues
5. Köseadağ E., Ekici R., Project Supported by Higher Education Institutions, Al6061-B4C-SiC Hibrit Metal Matrisli Kompozitlerin Düşük Hızlı Darbe Davranışlarının İncelenmesi, 2023 - 2025
6. EKİCİ R., DEMİR M., Project Supported by Higher Education Institutions, Çeşitli Doğal Elyaf Kumaşlarla Takviye Edilen Kompozitlerden Üretilen Sandviç Yapıların Düşük Hızlı Darbe Davranışlarının İncelenmesi, 2023 - 2024
7. EKİCİ R., DEMİR M., Project Supported by Higher Education Institutions, Doğal Elyaf Takviyeli Kompozitlerden Oluşturulmuş Sandviç Yapıların Balistik Performanslarının İncelenmesi, 2021 - 2024
8. Ekici R., Tabak S., Project Supported by Higher Education Institutions, Kompozit Motosiklet Şasisi Tasarımı, Sonlu Elemanlar Yöntemiyle Statik ve Dinamik Analizlerinin Yapılması ve Prototip İmalatı, 2020 - 2024
9. EKİCİ R., KÖSEDAĞ E., Project Supported by Higher Education Institutions, Polimer Metal Matrisli Kompozitlerden Oluşturulmuş Sandviç Yapıların Balistik Davranışları, 2018 - 2021
10. EKİCİ R., ÇALIŞKAN U., KÖSEDAĞ E., Project Supported by Higher Education Institutions, Partikül Dolgulu Fiber Takviyeli Polimer Matrisli Kompozit malzemelerin Darbe davranışları üzerine Yapay Yaşlandırmanın Etkisi, 2019 - 2020
11. Ekici R., Apalak M. K., Demirbaş M. D., TÜBİTAK Project, İki Yönde Fonksiyonel Kademelendirilmiş Dikdörtgen ve Dairesel Plakaların Üç boyutlu Isıl Gerilme Dağılımının Sonlu Farklar Yöntemi ile Sayısal Çözümü, 2017 - 2019
12. EKİCİ R., APALAK M. K., ÇALIŞKAN U., TÜBİTAK Project, Kompozit yamalar kullanılarak tamir edilen çentikli kompozit ve metal plakaların, kompozit ve metal sandviç kirişlerin düşük hızlı darbe davranışının sayısal ve deneysel olarak incelenmesi, 2017 - 2019
13. EKİCİ R., YILDIZ E., Project Supported by Higher Education Institutions, Dört rotorlu insansız hava aracı tasarımı ve analizi, 2016 - 2018
14. EKİCİ R., KABURCUK M., Project Supported by Higher Education Institutions, Düşük Hızlı Darbe Yükleri Altında Al/SiC Partikül Takviyeli Metal Matrisli Kompozit Malzemelerin Mekanik Davranışlarının İncelenmesi, 2011 - 2014

15. APALAK M. K., APALAK Z. G., EKİCİ R., YILDIRIM M., Project Supported by Higher Education Institutions, KATLANMAMIŞ KOMPOZİT YAPILARDA PERİODİK YÜKLER ALTINDA HASAR OLUŞUMU VE GELİŞİMİNİN DOĞRUSAL OLMAYAN BÜNYE MODELLERİ İLE BELİRLENMEİ, 2006 - 2013
16. APALAK M. K., EKİCİ R., YILDIRIM M., TUBITAK Project, Metal Matrisli Kompozitlerin Yüzeylerinde Temas Yüklerinin Neden Olduğu Gerilme ve Deformasyonlarda Malzeme Özelliklerinin Tesirinin Araştırılması ve Optimum Yapının Elde Edilmesi, 2006 - 2009
17. APALAK Z. G., EKİCİ R., TUBITAK Project, Plastik esaslı tek yönlü fiber takviyeli kompozit malzemelerin sönüm değerlerinin tespiti, 2007 - 2008
18. APALAK Z. G., LİVKEBABCİ D., EKİCİ R., Project Supported by Higher Education Institutions, YAPIŞTIRICIYLA BİRLEŞTİRİLMİŞ TABAKALI KOMPOZİT T BAĞLANTILARDA SERBEST TİTREŞİMLERİN AÇIK SİSTEM KONTROL YAKLAŞIMIYLA SÖNÜMLENMESİ, 2007 - 2008
19. APALAK M. K., ÜNLÜ Ş. M., EKİCİ R., Project Supported by Higher Education Institutions, YAPIŞTIRICIYLA BİRLEŞTİRİLMİŞ T BAĞLANTILARIN MODAL ANALİZİ VE TİTREŞİM KONTROLÜ, 2007 - 2008
20. APALAK M. K., EKİCİ R., Project Supported by Higher Education Institutions, TEMAS YÜKLERİNİN METAL MATRİSLİ KOMPOZİTLERİN YÜZEYLERİNDE NEDEN OLDUĞU GERİLME VE DEFORMASYONLARDA MALZEME ÖZELLİKLERİNİN TESİRLERİNİN ARAŞTIRILMASI VE OPTİMUM YAPININ ELDE EDİLMESİ, 2006 - 2008

## Awards

1. Ekici R., Erciyes Üniversitesi Rektörlüğü Bilimsel Yayın Onur Ödülü, Erciyes Üniversitesi, November 2008

## Scholarships

2219 Yurt Dışı Doktora Sonrası Araştırma Bursu, TUBITAK, 2012 - 2013

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

1. **Low-velocity impact behaviors of B4C/SiC hybrid ceramic reinforced Al6061 based composites: An experimental and numerical study**  
Kösedağ E., EKİCİ R.  
Journal of Alloys and Compounds, vol.1010, 2025 (SCI-Expanded)
2. **Investigation of low-velocity impact behaviors of polymer composites reinforced with different natural fiber fabrics**  
Demir M., Ekici R.  
POLYMER COMPOSITES, vol.45, no.6, pp.4928-4946, 2024 (SCI-Expanded)
3. **Determination of three-dimensional thermo-mechanical behavior of bidirectional functionally graded rectangular plates with the theory of elasticity**  
DEMİRBAŞ M. D., APALAK M. K., EKİCİ R.  
Mechanics of Advanced Materials and Structures, vol.31, no.7, pp.1534-1562, 2024 (SCI-Expanded)
4. **Effect of SiC and graphene nanoparticles on the mechanical properties of carbon fiber-reinforced epoxy composites**  
Kosedag E., Ekici R., Yildiz N., Caliskan U.  
Polymer Composites, vol.44, no.12, pp.8578-8588, 2023 (SCI-Expanded)
5. **Bone stress and damage distributions during dental implant insertion: a novel dynamic FEM analysis**  
Demirbaş A. E., Ekici R., Karakaya M., Alkan A.  
COMPUTER METHODS IN BIOMECHANICS AND BIOMEDICAL ENGINEERING, vol.25, no.12, pp.1381-1392, 2022 (SCI-Expanded)
6. **Low-velocity and ballistic impact resistances of particle reinforced metal-matrix composites: An**

## **experimental study**

Kösedağ E., Ekici R.

JOURNAL OF COMPOSITE MATERIALS, vol.56, no.7, pp.991-1002, 2022 (SCI-Expanded)

7. **Effect of stacking sequence and metal volume fraction on the ballistic impact behaviors of ARALL fiber-metal laminates: An experimental study**  
Kösedağ E., Aydın M., Ekici R.  
POLYMER COMPOSITES, vol.43, no.3, pp.1536-1545, 2022 (SCI-Expanded)
8. **Repeated low-velocity impact responses of SiC particle reinforced Al metal-matrix composites**  
Ekici R., Kösedağ E., Demir M.  
CERAMICS INTERNATIONAL, vol.48, no.4, pp.5338-5351, 2022 (SCI-Expanded)
9. **The effect of artificial aging on the impact behavior of SiC nanoparticle-glass fiber-reinforced polymer matrix composites**  
Kösedağ E., Çalışkan U., Ekici R.  
POLYMER COMPOSITES, vol.43, no.2, pp.964-976, 2022 (SCI-Expanded)
10. **Numerical model for composite patch repair of notched aluminum plates under impact loading**  
Çalışkan U., Ekici R., Yıldız Bayazit A., Apalak M. K.  
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART L-JOURNAL OF MATERIALS-DESIGN AND APPLICATIONS, vol.235, no.5, pp.958-973, 2021 (SCI-Expanded)
11. **Thermoelastic analysis of temperature-dependent functionally graded rectangular plates using finite element and finite difference methods**  
Demirbaş M. D., Ekici R., Apalak M. K.  
MECHANICS OF ADVANCED MATERIALS AND STRUCTURES, vol.27, pp.707-724, 2020 (SCI-Expanded)
12. **A study on low-velocity impact performance of notched GFRP composites repaired by different composite patches: Experiment and modeling**  
Çalışkan U., Ekici R., Yıldız E., Apalak M. K.  
POLYMER COMPOSITES, vol.41, no.4, pp.1323-1340, 2020 (SCI-Expanded)
13. **Low-velocity impact performance of B4C particle-reinforced Al 6061 metal matrix composites**  
Kösedağ E., Ekici R.  
MATERIALS RESEARCH EXPRESS, vol.6, no.12, 2019 (SCI-Expanded)
14. **3D Micro-Structural Modeling of Vibration Characteristics of Smart Particle-Reinforced Metal-Matrix Composite Beams**  
Ekici R., Abacı V. M., Reddy J.  
INTERNATIONAL JOURNAL OF STRUCTURAL STABILITY AND DYNAMICS, vol.19, no.7, 2019 (SCI-Expanded)
15. **Low-velocity impact behavior of Al 6061/SiC particulate metal matrix composites**  
EKİCİ R., KABURCUK M.  
JOURNAL OF COMPOSITE MATERIALS, vol.49, no.7, pp.853-871, 2015 (SCI-Expanded)
16. **Free vibration analysis of an adhesively bonded functionally graded double containment cantilever joint**  
APALAK Z. G., EKİCİ R., YILDIRIM M., APALAK M. K.  
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.28, no.12, pp.1117-1139, 2014 (SCI-Expanded)
17. **Simulated and actual micro-structure models on the indentation behaviors of particle reinforced metal matrix composites**  
EKİCİ R., APALAK M. K., YILDIRIM M., NAİR F.  
MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, vol.606, pp.290-298, 2014 (SCI-Expanded)
18. **Layer Optimization for Maximum Fundamental Frequency of Rigid Point-Supported Laminated Composite Plates**  
APALAK Z. G., APALAK M. K., EKİCİ R., YILDIRIM M.  
POLYMER COMPOSITES, vol.32, no.12, pp.1988-2000, 2011 (SCI-Expanded)
19. **Indentation behavior of functionally graded Al-SiC metal matrix composites with random particle dispersion**

- EKİCİ R., APALAK M. K., Yildirim M.  
COMPOSITES PART B-ENGINEERING, vol.42, no.6, pp.1497-1507, 2011 (SCI-Expanded)
20. **Effects of random particle dispersion and size on the indentation behavior of SiC particle reinforced metal matrix composites**  
EKİCİ R., APALAK M. K., Yildirim M., NAİR F.  
MATERIALS & DESIGN, vol.31, no.6, pp.2818-2833, 2010 (SCI-Expanded)
  21. **Effects of Random Particle Dispersion and Particle Volume Fraction on the Indentation Behavior of SiC Particle-Reinforced Metal-Matrix Composites**  
APALAK M. K., EKİCİ R., Yildirim M., NAİR F.  
JOURNAL OF COMPOSITE MATERIALS, vol.43, no.26, pp.3191-3210, 2009 (SCI-Expanded)
  22. **Determination of Structural Damping and Optimal Vibration Control of an Adhesively-Bonded Double Containment Cantilever Joint**  
APALAK M. K., EKİCİ R., Yildirim M., Erkaya S.  
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.23, no.2, pp.339-359, 2009 (SCI-Expanded)
  23. **Free vibration analysis and optimal design of an adhesively bonded double containment cantilever joint**  
APALAK M. K., EKİCİ R., Yildirim M.  
JOURNAL OF SCIENTIFIC & INDUSTRIAL RESEARCH, vol.67, no.10, pp.797-806, 2008 (SCI-Expanded)
  24. **Layer optimisation for maximum fundamental frequency of laminated composite plates for different edge conditions**  
APALAK M. K., Yildirim M., EKİCİ R.  
COMPOSITES SCIENCE AND TECHNOLOGY, vol.68, no.2, pp.537-550, 2008 (SCI-Expanded)
  25. **Investigation of impact behaviour of aluminium based SiC particle reinforced metal-matrix composites**  
Ozden S., Ekici R., Nair F.  
COMPOSITES PART A-APPLIED SCIENCE AND MANUFACTURING, vol.38, pp.484-494, 2007 (SCI-Expanded)
  26. **Elastic stresses in an adhesively bonded functionally graded double containment cantilever joint in tension**  
Apalak Z. G., Ekici R.  
JOURNAL OF REINFORCED PLASTICS AND COMPOSITES, vol.26, no.13, pp.1291-1318, 2007 (SCI-Expanded)
  27. **Free vibration analysis and design of an adhesively bonded corner joint with double support**  
Apalak M. K., Ekici R., Yildirim M.  
JOURNAL OF ADHESION, vol.83, no.11, pp.957-986, 2007 (SCI-Expanded)
  28. **Optimal design of an adhesively-bonded corner joint with single support based on the free vibration analysis**  
Apalak M. K., Ekici R., Yildirim M.  
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.20, no.13, pp.1507-1528, 2006 (SCI-Expanded)

### Articles Published in Other Journals

1. **Recent advances in the AlSi10Mg materials fabrication by selective laser melting: process parameters, optimization, low-velocity and ballistic impact responses**  
Yilan F., EKİCİ R., Urtekin L.  
Progress in Additive Manufacturing, 2024 (ESCI)
2. **Impact Behavior of Aramid Reinforced Polymer Matrix Composites Produced By Hot Press-Prepreg Method**  
KÖSEDAĞ E., EKİCİ R.  
European Journal of Science and Technology, no.28, pp.84-90, 2021 (Peer-Reviewed Journal)
3. **Free Vibration Analysis of Foam-Core Sandwich Structures**  
KÖSEDAĞ E., EKİCİ R.

Journal of Polytechnic, vol.24, no.1, pp.69-74, 2021 (ESCI)

4. **Flexural impact Response of Cracked Sandwich Beams Repaired by Composite Patches**  
ÇALIŞKAN U., EKİCİ R., APALAK M. K.  
Uluslararası Muhendislik Arastırma ve Gelistirme Dergisi, vol.13, pp.438-447, 2021 (Peer-Reviewed Journal)
5. **Low Velocity Impact Behaviour of Damaged Composite Plates Repaired by Composite Patches**  
Çalışkan U., Ekici R., Apalak M. K.  
Mehmet Akif Ersoy Üniversitesi Uygulamalı Bilimler Dergisi, vol.3, pp.47-64, 2019 (Peer-Reviewed Journal)
6. **A Review on Impact Behaviors of Particle Reinforced Metal Matrix Composites**  
Kösedağ E., Ekici R.  
ÖMER HALİSDEMİR ÜNİVERSİTESİ MÜHENDİSLİK BİLİMLERİ DERGİSİ, vol.8, no.1, pp.384-393, 2019 (Peer-Reviewed Journal)
7. **Effect of Composite Patch Geometry in Notched Plates Under Low Velocity Impact**  
Çalışkan U., Ekici R., Apalak M. K.  
Uluslararası Muhendislik Arastırma ve Gelistirme Dergisi, vol.9, pp.113-124, 2017 (Peer-Reviewed Journal)
8. **Comparison of the low-velocity impact behaviors of SiC and Pumice particle-reinforced metal matrix composites**  
Ekici R., Kösedağ E.  
International Journal of Mechanical and Production Engineering, vol.5, pp.101-105, 2017 (Peer-Reviewed Journal)

#### Refereed Congress / Symposium Publications in Proceedings

1. **Numerical Analysis of Impact Behavior of SiC / Al6061 Metal Matrix Composites**  
Kösedağ E., Ekici R.  
Anatolian Congresses-6th International Applied Sciences Congress, Van, Turkey, 21 - 23 May 2021, pp.35-36
2. **Effect of Artificial Aging on Impact Resistance of Glass Fiber Reinforced Polymer Matrix Composites**  
Kösedağ E., Ekici R.  
Anatolian Congresses-6th International Applied Sciences Congress, Van, Turkey, 21 - 23 May 2021, vol.1, pp.34
3. **THE EFFECT OF PARTICLE FILLING ON IMPACT BEHAVIOR IN GLASS FIBER REINFORCED POLYMER MATRIX COMPOSITES**  
KÖSEDAĞ E., ÇALIŞKAN U., EKİCİ R.  
9th INTERNATIONAL EUROPEAN CONFERENCE ON MATHEMATICS, ENGINEERING, NATURAL MEDICAL SCIENCES, Bursa, Turkey, 8 - 10 November 2019, pp.32-41
4. **DÜŞÜK HIZLI DARBENİN METAL MATRİSLİ KOMPOZİTLERİN SERTLİKLERİ ÜZERİNDEKİ ETKİSİ**  
Güçlü E., Kösedağ E., Ekici R., Apalak Z. G.  
2. ULUSLARARASI ERCİYES BİLİMSEL ARAŞTIRMALAR KONGRESİ, Kayseri, Turkey, 27 - 29 September 2019, pp.35
5. **LOW VELOCITY IMPACT BEHAVIOUR OF DAMAGED COMPOSITE PLATES REPAIRED BY COMPOSITE PATCHES**  
ÇALIŞKAN U., EKİCİ R., APALAK M. K.  
II. International Scientific and Vocational Studies Congress, Nevşehir, Turkey, 5 - 09 July 2018, pp.1418-1427
6. **Heat transfer analyses of in-plane functionally graded hollow circular plates with two numerical methods**  
DEMİRBAŞ M. D., EKİCİ R., APALAK M. K.  
II. International Scientific and Vocational Studies Congress (BILMES 2018), Nevşehir, Turkey, 5 - 08 July 2018, pp.555-556
7. **Thermal-stress analyses of in-plane functionally graded hollow circular plates with finite element and finite difference methods**  
DEMİRBAŞ M. D., EKİCİ R., APALAK M. K.  
II. International Scientific and Vocational Studies Congress (BILMES 2018), Nevşehir, Turkey, 5 - 08 July 2018, pp.557-558
8. **Heat transfer analysis of two-dimensional functionally graded rectangular plates with two numerical**

## methods

DEMİRBAŞ M. D., EKİCİ R., APALAK M. K.

4th International Conference on Engineering and Natural Sciences (ICENS), KİEV, Ukraine, 2 - 06 May 2018, pp.84

9. **Thermal residual stress analysis of two-dimensional functionally graded plates with finite element and finite difference methods**  
DEMİRBAŞ M. D., EKİCİ R., APALAK M. K.  
4th International Conference on Engineering and Natural Sciences (ICENS), KİEV, Ukraine, 2 - 06 May 2018, pp.85
10. **Free Vibration Analysis of Foam-Core Sandwich Structures**  
Kösedağ E., Ekici R.  
1st International Symposium on Light Alloys and Composite Materials (ISLAC'18), Karabük, Turkey, 22 - 24 March 2018, pp.72-73
11. **Effect of Fibre Orientation Angle on The Free Vibration of Composite Sandwich Beams with Foam-Core**  
Ekici R., Kösedağ E.  
1st International Symposium on Light Alloys and Composite Materials (ISLAC'18), Karabük, Turkey, 22 - 24 March 2018, pp.173-174
12. **Effect of Composite Patch Geometry in Notched Plates Under Low Velocity Impact**  
ÇALIŞKAN U., EKİCİ R., APALAK M. K.  
I.Uluslararası Bilimsel ve Mesleki Çalışmalar Kongresi, Nevşehir, Turkey, 5 - 07 October 2017
13. **Heat transfer analysis of functionally graded materials with two numerical methods**  
Demirbaş M. D., Ekici R., Apalak M. K.  
9th International Conference on Tribology (Balkan Trib'17), Nevşehir, Turkey, 13 - 15 September 2017, pp.595-600
14. **Nonplanar wing configuration for unmanned air vehicle design concept**  
Yıldız E., EKİCİ R.  
2nd International Symposium on INDUSTRIAL DESIGN & ENGINEERING (ISIDE2017), Nevşehir, Turkey, 13 - 15 September 2017, pp.154-157
15. **Comparison of thermal-stress analysis of functionally graded rectangular plates with finite element and finite difference methods**  
Demirbaş M. D., Ekici R., Apalak M. K.  
9th International Conference on Tribology (Balkan Trib'17), Nevşehir, Turkey, 13 - 15 September 2017, pp.601-609
16. **Repeated low-velocity impact behavior of particle-reinforced metal matrix composites**  
EKİCİ R.  
2nd International Conference on Engineering and Natural Sciences (ICENS 2016), Sarajevo, Bosnia And Herzegovina, 24 - 28 May 2016, pp.1877-1882
17. **Coupled Thermo-Electro-Structural Analysis of Smart Functionally Graded Plates**  
EKİCİ R., YILDIRIM M., Reddy J.  
International Conference on Natural Science and Engineering, Kilis, Turkey, 19 - 20 March 2016, pp.1626-1635
18. **Stiffness Degradation on Low Speed Impact of Adhesively Bonded Metal Plates**  
Yıldırım M., Ekici R., Apalak M. K.  
International Conference on Natural Science and Engineering, Kilis, Turkey, 19 - 20 March 2016, pp.1872-1877
19. **Effect of Volume Fraction and Microstructure on the Indentation Behavior of Metal Matrix Composites**  
Ekici R., Apalak M. K., Yıldırım M.  
, International Symposium on Advances in Applied Mechanics and Modern Information Technology (ISAAM-MIT-11), Baku, Azerbaijan, Baku, Azerbaijan, 1 - 04 September 2011, pp.156-160
20. **Yapıştırıcı ile birleştirilmiş alüminyum-çelik sandviç bağlantılarının düşük hızlı darbe davranışlarının incelenmesi**  
YILDIRIM M., APALAK M. K., EKİCİ R.  
HaSeM'08 Kayseri VII. Havacılık Sempozyumu, Kayseri, Turkey, 15 - 16 May 2008, pp.134-137

21. **Al/SiC partikül takviyeli metal matrisli kompozitlerin batma davranışları üzerine partikül hacim oranının etkileri**  
EKİCİ R., APALAK M. K., YILDIRIM M.  
HaSeM'08 Kayseri VII. Havacılık Sempozyumu, Kayseri, Turkey, 15 - 16 May 2008, pp.206-212
22. **Free vibration analysis and design of an adhesively bonded composite single lap joint**  
APALAK M. K., Ekici R., Yildirim M.  
ASME International Mechanical Engineering Congress and Exposition, Washington, United States Of America, 11 - 15 November 2007, pp.211-220

### Other Publications

1. **Fonksiyonel olarak kademelendirilmiş partikül takviyeli metal matrisli kompozit malzemelerin batma davranışlarının incelenmesi, Türkiye ABAQUS Kullanıcılar Toplantısı**  
EKİCİ R., APALAK M. K.  
Presentation, pp.1-7, 2009
2. **Alüminyum esaslı SiC partikül takviyeli metal matrisli kompozitlerin batma davranışına hacim oranının etkisinin incelenmesi, Türkiye ABAQUS Kullanıcılar Toplantısı**  
EKİCİ R., YILDIRIM M., APALAK M. K.  
Presentation, pp.25-34, 2007
3. **Yapıştırıcı ile birleştirilmiş sandviç bağlantılarının düşük hızlı darbe davranışlarının incelenmesi, Türkiye ABAQUS Kullanıcılar Toplantısı**  
YILDIRIM M., EKİCİ R., APALAK M. K.  
Presentation, pp.249-254, 2007
4. **Yapıştırıcı ile birleştirilmiş bindirme bağlantıların lineer serbest titreşim altında optimum titreşim kontrolü, Türkiye ABAQUS Kullanıcılar Toplantısı**  
YILDIRIM M., EKİCİ R., APALAK M. K.  
Presentation, pp.207-221, 2006
5. **Yapıştırıcı ile birleştirilmiş tabakalı kompozit bindirme bağlantıların lineer serbest titreşim altında optimum tasarımı, Türkiye ABAQUS Kullanıcılar Toplantısı**  
EKİCİ R., YILDIRIM M., APALAK M. K.  
Presentation, pp.191-203, 2006

### Academic and Administrative Experience

2016 - Continues	<b>Member of ADEK Commission</b>	Erciyes University, Mühendislik Fakültesi, Makina Mühendisliği
2017 - 2019	<b>Deputy Head of Department</b>	Erciyes University, Mühendislik Fakültesi, Makina Mühendisliği

### Advising Theses

Ekici R., Composite Motorcycle Chassis Design, Static and Dynamic Analysis by Finite Element Method, and Prototype Production, Doctorate, S.TABAK(Student), Continues

Ekici R., 3D Yazıcı ile Üretilen Hibrit Kompozitlerin Mekanik Özelliklerine Sıcaklık Etkisinin İncelenmesi, Postgraduate, S.SERHAN(Student), Continues

Ekici R., Seçici Lazer Ergitme ile Üretilen AlSi10Mg Alaşım Zırh Malzemesinin Geliştirilmesi: Yapısal, Balistik Darbe Performanslarının Araştırılması ve Optimizasyon Stratejileri, Doctorate, F.YILAN(Student), Continues



Ekici R., DOĞAL ELYAF TAKVİYELİ KOMPOZİTLERDEN OLUŞTURULMUŞ SANDVIÇ YAPILARIN BALİSTİK PERFORMANSLARININ İNCELENMESİ, Doctorate, M.DEMİR(Student), 2024

Ekici R., OPTIMIZATION OF CAST BODY GEOMETRY OF 8 INCH CNC LATHE, Postgraduate, R.KARAOĞLAN(Student), 2021

Ekici R., Determination of mechanical properties of nanoparticle filled fiber reinforced polymer composites., Postgraduate, N.YILDIZ(Student), 2021

Ekici R., Polimer-Metal Matrisli Kompozitlerden Oluşturulmuş Sandviç Yapıların Balistik Davranışları, Doctorate, E.KÖSEDAĞ(Student), 2020

Ekici R., Design and Analysis Four Rotor Unmanned Aerial Vehicle, Postgraduate, E.YILDIZ(Student), 2018

Ekici R., Investigation of Low Velocity Impact Behaviors of Particle Filled Fiber Reinforced Polymer Based Composite Materials, Postgraduate, Ş.OBA(Student), 2018

Ekici R., Investigation of Impact Behavior of Notched Composite Materials with Composite Patch under Low Velocity, Postgraduate, E.YILDIZ(Student), 2018

Ekici R., Effects of Patch Properties on the Low Velocity Impact Behavior of Notched Metal Plates Repaired with Composite and Metal Patches, Postgraduate, A.YILDIZ(Student), 2018

Ekici R., Free Vibration Analysis and Active Vibration Control of Piezoelectric Patched Smart Particle Reinforced Metal Matrix Composites, Postgraduate, V.MESUT(Student), 2018

Ekici R., Low-Speed Impact Behaviors of Sandwich Composite Structures Produced with Aluminum Pipe Honeycomb Core, Postgraduate, H.TURAN(Student), 2017

Ekici R., Investigation of Mechanical Behavior of Al/SiC Particle Reinforced Metal Matrix Composite Materials under Low-Velocity Impact Loads, Postgraduate, M.KABURCUK(Student), 2014

## Patent

Ekici R., Köseadağ E., BALİSTİK DİRENÇ SAĞLAMAK ÜZERE, METAL MATRİSLİ KOMPOZİT (MMK) VE POLİMER MATRİSLİ KOMPOZİT (PMK) TABAKALARDAN ÜRETİLMİŞ YENİ BİR ÇESİT SANDVIÇ YAPI, Patent, CHAPTER F Mechanical engineering; Lighting; Heating; Weaponry; Destroyed Materials, The Invention Registration Number: 2022/014485 , Standard Registration, 2024

## Activities in Scientific Journals

International Scientific and Vocational Studies Journal, Committee Member, 2018 - Continues

Research & Development in Material Science, Assistant Editor/Section Editor, 2017 - Continues

## Scientific Refereeing

MATERIALS, Journal Indexed in SCI-E, July 2022

THIN-WALLED STRUCTURES, Journal Indexed in SCI-E, April 2022

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART L-JOURNAL OF MATERIALS-DESIGN AND APPLICATIONS, Journal Indexed in SCI-E, February 2022

POLYMER COMPOSITES, Journal Indexed in SCI-E, January 2022

JOURNAL OF SPACECRAFT AND ROCKETS, Journal Indexed in SCI-E, January 2022

JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING, Journal Indexed in SCI-E, November 2021

JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, Journal Indexed in SCI-E, August 2021

INTERNATIONAL JOURNAL OF STRUCTURAL STABILITY AND DYNAMICS, Journal Indexed in SCI-E, April 2021

POLYMER COMPOSITES, Journal Indexed in SCI-E, March 2021

COMPOSITES PART B-ENGINEERING, Journal Indexed in SCI-E, November 2020

THIN-WALLED STRUCTURES, Journal Indexed in SCI-E, March 2020

MATERIALS & DESIGN, Journal Indexed in SCI-E, March 2020  
POLYMER COMPOSITES, Journal Indexed in SCI-E, February 2020  
Composites Part B:Engineering, SCI Journal, February 2019  
Iranian Journal of Science and Technology-Transactions of Mechanical Engineering, SCI Journal, May 2018  
Polymer Composites, SCI Journal, May 2018  
Polymer Composites, SCI Journal, January 2017  
Journal of Sandwich Structures and Materials, SCI Journal, May 2016  
Polymer Composites, SCI Journal, January 2016  
Journal of Adhesion Science and Technology, SCI Journal, January 2016  
Polymer Composites, SCI Journal, December 2015  
Journal of Sandwich Structures and Materials, SCI Journal, September 2015  
Journal of Sandwich Structures and Materials, SCI Journal, May 2015  
Applied Surface Science, SCI Journal, January 2012  
Composites Part B:Engineering, SCI Journal, December 2011

## Metrics

Publication: 64  
Citation (WoS): 595  
Citation (Scopus): 441  
H-Index (WoS): 12  
H-Index (Scopus): 13

## Congress and Symposium Activities

2nd International Conference on Engineering and Natural Sciences (ICENS 2016), Attendee, Sarajevo, Bosnia And Herzegovina, 2016  
International Conference on Natural Science and Engineering (ICNASE'16), Attendee, Kilis, Turkey, 2016  
International Symposium on Advances in Applied Mechanics and Modern Information Technology (ISAAM-MIT-11), Attendee, Bakü, Azerbaijan, 2011  
Türkiye ABAQUS Kullanıcılar Toplantısı, Attendee, İstanbul, Turkey, 2009  
HaSeM'08 Kayseri VII. Havacılık Sempozyumu, Attendee, Kayseri, Turkey, 2008  
ASME International Mechanical Engineering Congress and Exposition, Attendee, Seattle, Washington, United States Of America, 2007  
Türkiye ABAQUS Kullanıcılar Toplantısı, Attendee, İstanbul, Turkey, 2007  
Türkiye ABAQUS Kullanıcılar Toplantısı, Attendee, İstanbul, Turkey, 2006

## Research Areas

Mechanical Engineering, Mechanical, Solid Mechanics, Finite Element Methods, Mechanical Testing, Engineering and Technology

## Non Academic Experience

Other Public Institution, ÖSYM, ÖSYM Kayseri Sınav Koordinatörlüğü  
University, Texas A&M University, Mechanical Engineering