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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAC-6426-2019

ScopusID: 15080586600

Yoksis Researcher ID: 117735



Learning Knowledge

| | |
|-------------------------------|--|
| 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 |

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., DEMİR M., Project Supported by Higher Education Institutions, Çeşitli Doğal Elyaf Kumaşlarla Takviye Edilen Kompozitlerden Üretilen Sandviç Yapıların Düşük Hızlı Darbe Davranışlarının İncelenmesi, 2023 - Continues
2. EKİCİ R., BAYAZIT A., Project Supported by Higher Education Institutions, 3D Boşluklu Kumaşlardan Elde Edilen Sandviç Kompozit Yapıların Mekanik Davranışlarının İncelenmesi, 2022 - Continues
3. EKİCİ R., DEMİR M., Project Supported by Higher Education Institutions, Doğal Elyaf Takviyeli Kompozitlerden Oluşturulmuş Sandviç Yapıların Balistik Performanslarının İncelenmesi, 2021 - Continues
4. Kösedağ E., Ekici R., Project Supported by Higher Education Institutions, Al6061-B4C-SiC Hibrit Metal Matrisli Kompozitlerin Düşük Hızlı Darbe Davranışlarının İncelenmesi, 2023 - 2025
5. 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
6. EKİCİ R., KÖSEDAĞ E., Project Supported by Higher Education Institutions, Polimer Metal Matrisli Kompozitlerden Oluşturulmuş Sandviç Yapıların Balistik Davranışları, 2018 - 2021
7. EKİCİ R., ÇALIŞKAN U., KÖSEDAĞ E., Project Supported by Higher Education Institutions, Partikül Dolgulu Fiber Takviyeli Polimer Matrisli Kompozit malzemelerin Darrbe davranışları üzerine Yapay Yaşılandırmanın Etkisi, 2019 - 2020
8. Ekici R., Apalak M. K., Demirbaş M. D., TUBITAK Project, İki Yände Fonksiyonel Kademeleendirilmiş Dikdörtgen ve Dairesel Plakaların Üç boyutlu Isıl Gerilme Dağılımının Sonlu Farklar Yöntemi ile Sayısal Çözümü, 2017 - 2019
9. EKİCİ R., APALAK M. K., ÇALIŞKAN U., TUBITAK Project, Kompozit yamalar kullanılarak tamir edilen çentikli kompozit ve metal plakaların, kompozit ve metal sandviç kırışlarının düşük hızlı darbe davranışının sayısal ve deneysel olarak incelenmesi, 2017 - 2019
10. EKİCİ R., YILDIZ E., Project Supported by Higher Education Institutions, Dört rotorlu insansız hava aracı tasarıımı ve analizi, 2016 - 2018
11. 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
12. 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
13. 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
14. APALAK Z. G., EKİCİ R., TUBITAK Project, Plastik esaslı tek yönlü fiber takviyeli kompozit malzemelerin sönümleri

- değerlerinin tespiti, 2007 - 2008
- 15. APALAK Z. G., LİVKEBABCI D., EKİCİ R., Project Supported by Higher Education Institutions, YAPIŞTIRICIYLA BİRLEŞTİRİLMİŞ TABAKALI KOMPOZİT T BAĞLANTILARDA SERBEST TİTREŞİMLERİN AÇIK SİSTEM KONTROL YAKLAŞIMIYLA SÖNÜMLENMESİ, 2007 - 2008
 - 16. 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
 - 17. 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. **Investigation of low-velocity impact behaviors of polymer composites reinforced with different natural fiber fabrics**
Demir M., Ekici R.
POLYMER COMPOSITES, 2024 (SCI-Expanded)
- 2. **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)
- 3. **Effect of SiC and graphene nanoparticles on the mechanical properties of carbon fiber-reinforced epoxy composites**
Kosedağ E., Ekici R., Yıldız N., Çalışkan U.
Polymer Composites, vol.44, no.12, pp.8578-8588, 2023 (SCI-Expanded)
- 4. **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)
- 5. **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)
- 6. **Effect of stacking sequence and metal volume fraction on the ballistic impact behaviors of ARALL fiber-metal laminates: An experimental study**
Kösedağ E., Aydin M., Ekici R.
POLYMER COMPOSITES, vol.43, no.3, pp.1536-1545, 2022 (SCI-Expanded)
- 7. **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)

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. **Numerical model for composite patch repair of notched aluminum plates under impact loading**
Çalışkan U., Ekici R., Yıldız Bayazıt 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)
10. **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)
11. **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)
12. **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)
13. **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)
14. **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)
15. **Free vibration analysis of an adhesively bonded functionally graded double containment cantilever joint**
APALAK Z. G., EKİCİ R., Yıldırım M., APALAK M. K.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.28, no.12, pp.1117-1139, 2014 (SCI-Expanded)
16. **Simulated and actual micro-structure models on the indentation behaviors of particle reinforced metal matrix composites**
EKİCİ R., APALAK M. K., Yıldırım M., NAİR F.
MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, vol.606, pp.290-298, 2014 (SCI-Expanded)
17. **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)
18. **Indentation behavior of functionally graded Al-SiC metal matrix composites with random particle dispersion**
EKİCİ R., APALAK M. K., Yıldırım M.
COMPOSITES PART B-ENGINEERING, vol.42, no.6, pp.1497-1507, 2011 (SCI-Expanded)
19. **Effects of random particle dispersion and size on the indentation behavior of SiC particle reinforced metal matrix composites**
EKİCİ R., APALAK M. K., Yıldırım M., NAİR F.
MATERIALS & DESIGN, vol.31, no.6, pp.2818-2833, 2010 (SCI-Expanded)
20. **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., Yıldırım M., NAİR F.
JOURNAL OF COMPOSITE MATERIALS, vol.43, no.26, pp.3191-3210, 2009 (SCI-Expanded)
21. **Determination of Structural Damping and Optimal Vibration Control of an Adhesively-Bonded**

- Double Containment Cantilever Joint**
APALAK M. K., EKİCİ R., Yıldırım M., Erkaya S.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.23, no.2, pp.339-359, 2009 (SCI-Expanded)
22. **Free vibration analysis and optimal design of an adhesively bonded double containment cantilever joint**
APALAK M. K., EKİCİ R., Yıldırım M.
JOURNAL OF SCIENTIFIC & INDUSTRIAL RESEARCH, vol.67, no.10, pp.797-806, 2008 (SCI-Expanded)
23. **Layer optimisation for maximum fundamental frequency of laminated composite plates for different edge conditions**
APALAK M. K., Yıldırım M., EKİCİ R.
COMPOSITES SCIENCE AND TECHNOLOGY, vol.68, no.2, pp.537-550, 2008 (SCI-Expanded)
24. **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)
25. **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)
26. **Free vibration analysis and design of an adhesively bonded corner joint with double support**
Apalak M. K., Ekici R., Yıldırım M.
JOURNAL OF ADHESION, vol.83, no.11, pp.957-986, 2007 (SCI-Expanded)
27. **Optimal design of an adhesively-bonded corner joint with single support based on the free vibration analysis**
Apalak M. K., Ekici R., Yıldırım M.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.20, no.13, pp.1507-1528, 2006 (SCI-Expanded)

Articles Published in Other Journals

1. **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)
2. **Free Vibration Analysis of Foam-Core Sandwich Structures**
KÖSEDAĞ E., EKİCİ R.
Journal of Polytechnic, vol.24, no.1, pp.69-74, 2021 (ESCI)
3. **Flexural impact Response of Cracked Sandwich Beams Repaired by Composite Patches**
ÇALIŞKAN U., EKİCİ R., APALAK M. K.
Uluslararası Mühendislik Araştırma ve Geliştirme Dergisi, vol.13, pp.438-447, 2021 (Peer-Reviewed Journal)
4. **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)
5. **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)
6. **Effect of Composite Patch Geometry in Notched Plates Under Low Velocity Impact**
Çalışkan U., Ekici R., Apalak M. K.
Uluslararası Mühendislik Araştırma ve Geliştirme Dergisi, vol.9, pp.113-124, 2017 (Peer-Reviewed Journal)
7. **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. **Yapıtırıcı 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 esası 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. **Yapıştırcı 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. **Yapıştırcı 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. **Yapıştırcı ile birleştirilmiş tabakalı kompozit bindirme bağlantıların lineer serbest titreşim altında optimum tasarımları, Türkiye ABAQUS Kullanıcılar Toplantısı**
EKİCİ R., YILDIRIM M., APALAK M. K.
Presentation, pp.191-203, 2006

Academic and Administrative Experience

| | | |
|------------------|----------------------------------|--|
| 2016 - Continues | Member of ADEK Commission | Erciyes University, Mühendislik Fakültesi, Makina Mühendisliği |
| 2017 - 2019 | Deputy Head of Department | 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), Continues
- 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, Kösedağ E., BALISTIK DIRENÇ SAGLAMAK ÜZERE, METAL MATRISLI KOMPOZİT (MMK) VE POLİMER MATRİSLİ KOMPOZİT (PMK) TABAKALAR'DAN ÜRETİLMİŞ YENİ BİR ÇEŞİT SANDVIÇ YAPı, 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: 62

Citation (WoS): 522

Citation (Scopus): 378

H-Index (WoS): 11

H-Index (Scopus): 12

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

Türkiye ABAQUS Kullanıcılar Toplantısı, Attendee, İstanbul, Turkey, 2007

ASME International Mechanical Engineering Congress and Exposition, Attendee, Seattle, Washington, United States Of America, 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

Texas A&M University