

Prof. MUSTAFA KEMAL APALAK

Personal Information

Email: apalakmk@erciyes.edu.tr

Web: <http://aves.erciyes.edu.tr/apalakmk/>

Address: ERCİYES ÜNİVERSİTESİ MÜHENDİSLİK FAKÜLTESİ MAKİNA MÜHENDİSLİĞİ BÖLÜMÜ KAYSERİ

International Researcher IDs

ORCID: 0000-0002-3263-5735

ScopusID: 6701397298

Yoksis Researcher ID: 24130

Education Information

Doctorate, The University of Birmingham, School Of Mechanical And Manufacturing Engineering, Mechanics, United Kingdom 1990 - 1994

Postgraduate, Erciyes University, Fen Bilimleri Enstitüsü, Makina Mühendisliği, Turkey 1985 - 1987

Undergraduate, Erciyes University, Mühendislik Fakültesi, Makina Mühendisliği, Turkey 1981 - 1985

Foreign Languages

English, C1 Advanced

Research Areas

Technical Sciences, Mechanical Engineering, Mechanical, Solid Mechanics, Fracture Mechanics, Finite Element Methods, Continuous Mechanics, Aeronautical and Space Engineering, Aeronautical Engineering , Structural Technologies, Aeroelasticity

Academic Titles / Tasks

Professor, Erciyes University, Mühendislik Fakültesi, Makina Mühendisliği, 2004 - Continues

Associate Professor, Erciyes University, Mühendislik Fakültesi, Makina Mühendisliği, 1998 - 2004

Assistant Professor, Erciyes University, Mühendislik Fakültesi, Makina Mühendisliği, 1994 - 1998

Research Assistant, Erciyes University, Mühendislik Fakültesi, Makina Mühendisliği Bölümü, 1985 - 1994

Academic and Administrative Experience

Erciyes Üniversitesi, 2016 - Continues

Erciyes Üniversitesi, 2016 - Continues

Erciyes Üniversitesi, Mühendislik Fakültesi, Makina Mühendisliği, 1995 - Continues

Erciyes Üniversitesi, Havacılık ve Uzay Bilimleri Fakültesi, 2012 - 2016

Erciyes Üniversitesi, Havacılık ve Uzay Bilimleri Fakültesi, 2012 - 2016

Erciyes Üniversitesi, Havacılık ve Uzay Bilimleri Fakültesi, 2012 - 2016

Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, 2007 - 2016
Erciyes Üniversitesi, Sivil Havacılık Yüksekokulu, 2010 - 2015
Erciyes Üniversitesi, Sivil Havacılık Yüksekokulu, 2007 - 2015
Erciyes Üniversitesi, Sivil Havacılık Yüksekokulu, 2007 - 2015
Erciyes Üniversitesi, Sivil Havacılık Yüksekokulu, 2007 - 2010
Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, 2004 - 2010
Erciyes Üniversitesi, Mühendislik Fakültesi, 2005 - 2008
Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, 2004 - 2007
Erciyes Üniversitesi, Sivil Havacılık Yüksekokulu, 1998 - 2005

Courses

ELASTİSİTE TEORİSİ - I, Postgraduate, 2011 - 2012
ELASTİSİTE TEORİSİ - II, Doctorate, 2011 - 2012
STRENGTH OF MATERIALS - I, Undergraduate, 2011 - 2012
STRENGTH OF MATERIALS - II, Undergraduate, 2011 - 2012
MÜHENDİSLİK MATEMATİĞİ - II, Undergraduate, 2011 - 2012
MÜHENDİSLİK MATEMATİĞİ - I, Undergraduate, 2011 - 2012
STATİK, Undergraduate, 2006 - 2007
KİNETİK (Dinamik), Undergraduate, 2006 - 2007
KİNEMATİK (Dinamik), Undergraduate, 2006 - 2007

Advising Theses

APALAK M. K. , YAPIŞTIRICI İLE BİRLEŞTİRİLMİŞ METAL ÇUBUKLARIN BURKULMA ANALİZİ, Postgraduate, K.Gül(Student), 2017
APALAK M. K. , YAPIŞTIRICI İLE BİRLEŞTİRİLMİŞ TABAKALI KOMPOZİT ÇUBUKLARIN BURKULMA ANALİZİ, Postgraduate, Y.Erhan(Student), 2017
APALAK M. K. , YAPIŞTIRICI İLE BİRLEŞTİRİLMİŞ TEK BİNDİRME BAĞLANTILARIN EĞİK DARBE ALTINDAKİ DAVRANIŞLARININ İNCELENMESİ, Postgraduate, M.Gökhan(Student), 2015
APALAK M. K. , SANDVIÇ KİRİŞLERİN EĞİLME DARBE DAVRANIŞLARININ İNCELENMESİ, Postgraduate, U.ÇALIŞKAN(Student), 2014
APALAK M. K. , FONKSİYONEL KADEMELENDİRİLMİŞ PLAKALARIN BALİSTİK DAVRANIŞLARININ İNCELENMESİ, Doctorate, M.AYDIN(Student), 2014
APALAK M. K. , İKİ BOYUTLU İŞLEVSEL KADEMELENDİRİLMİŞ PLAĞIN SERBEST TİTREŞİM ANALİZİ, Doctorate, O.ÖZARSLAN(Student), 2013
APALAK M. K. , FONKSİYONEL KADEMELENDİRİLMİŞ DAİRESEL SİLİNDİRDE ELASTİK DALGA YAYILIMI, Postgraduate, M.DÖRDÜNCÜ(Student), 2013
APALAK M. K. , DÜZLEM İÇİ ISIL YÜKE MARUZ İKİ YÖNLÜ İŞLEVSEL KADEMELENDİRİLMİŞ DÖRTGEN VE DAİRESEL PLAKALARIN ISIL GERİLME ANALİZİ, Doctorate, M.Didem(Student), 2012
APALAK M. K. , YAPIŞTIRICI İLE BİRLEŞTİRİLMİŞ BAĞLANTILARIN DÜŞÜK HIZLI DARBE DAVRANIŞLARI, Doctorate, M.YILDIRIM(Student), 2011
APALAK M. K. , METAL MATRİSLİ KOMPOZİTLERİN BATMA ALTINDA MEKANİK DAVRANIŞLARINA MİKROYAPININ ETKİSİ, Doctorate, R.EKİCİ(Student), 2009
APALAK M. K. , DÜZLEM İÇİ ISIL YÜKE MARUZ TEK YÖNLÜ İŞLEVSEL KADEMELENDİRİLMİŞ PLAKA VE DİSK BAĞLANTILARIN ISIL GERİLME ANALİZİ, Postgraduate, M.Didem(Student), 2009
APALAK M. K. , YAPIŞTIRICIYLA BİRLEŞTİRİLMİŞ ALÜMİNYUM T TİPİ BAĞLANTILARIN MODAL ANALİZİ VE TİTREŞİM KONTROLÜ, Postgraduate, Ş.Murat(Student), 2008
APALAK M. K. , YAPIŞTIRICI İLE BİRLEŞTİRİLMİŞ BİNDİRME BAĞLANTILARIN MODAL ANALİZİ VE TİTREŞİM

KONTROLÜ, Postgraduate, M.YILDIRIM(Student), 2006

APALAK M. K. , DÜŞÜK HIZLI UÇAKLARDA AERODİNAMİK PERVANE TASARIMI VE OPTİMİZASYONU, Postgraduate, H.DEMİRTAŞ(Student), 2006

APALAK M. K. , YAPIŞTIRICI İLE BİRLEŞTİRİLMİŞ TEK YÖNLÜ TABAKALI KOMPOZİT TEK BİNDİRME BAĞLANTILARINDA HASAR OLUŞUMU VE GELİŞİMİ, Postgraduate, M.Serdar(Student), 2005

APALAK M. K. , ÇOK KATMANLI VE FONKSİYONEL KADEMELENDİRİLMİŞ KOMPOZİT PLAKALARDA ISIL ARTIK GERİLMELERİN ANALİZİ, Doctorate, R.GÜNEŞ(Student), 2005

APALAK M. K. , YAPIŞTIRICIYLA BİRLEŞTİRİLMİŞ BİNDİRME BAĞLANTILARINDA HASAR BÖLGESİ OLUŞUMU VE GELİŞİMİNİN İNCELENMESİ, Doctorate, A.ENGİN(Student), 2003

APALAK M. K. , YAPIŞTIRICI İLE BİRLEŞTİRİLMİŞ BİR BİNDİRME BAĞLANTISININ LAZER NOKTA KAYNAĞI ESNASINDA ORTAYA ÇIKAN ISI TRANSFERİNİN VE ISIL GERİLMELERİN İNCELENMESİ,, Postgraduate, F.ŞEN(Student), 2001

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Evaluation of geometrically nonlinear and elastoplastic behavior of functionally graded plates under mechanical loading-unloading**
Arslan K., Güneş R., Apalak M. K. , Reddy J.
MECHANICS OF ADVANCED MATERIALS AND STRUCTURES, vol.29, no.11, pp.1587-1600, 2022 (Peer-Reviewed Journal)
- II. **Flexural impact response and damage detection of composite sandwich beam with various PVC foam cores**
Çalışkan U., Apalak M. K.
MECHANICS OF ADVANCED MATERIALS AND STRUCTURES, vol.29, no.9, pp.1276-1293, 2022 (Peer-Reviewed Journal)
- III. **Experimental Investigation of Oblique Impact Behavior of Adhesively Bonded Composite Single-Lap Joints**
ATAHAN M. G. , APALAK M. K.
APPLIED COMPOSITE MATERIALS, 2022 (Peer-Reviewed Journal)
- IV. **Low-speed bending impact behaviour of adhesively bonded dissimilar single-lap joints**
ATAHAN M. G. , APALAK M. K.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, 2021 (Peer-Reviewed Journal)
- V. **Numerical investigation on normal and oblique ballistic impact behavior of functionally graded plates**
Güneş R., Hakan M., Apalak M. K. , Reddy J.
MECHANICS OF ADVANCED MATERIALS AND STRUCTURES, vol.28, no.20, pp.2114-2130, 2021 (Peer-Reviewed Journal)
- VI. **Loading-rate effect on tensile and bending strength of 3D-printed polylactic acid adhesively bonded joints**
ATAHAN M. G. , APALAK M. K.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, 2021 (Peer-Reviewed Journal)
- VII. **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 (Peer-Reviewed Journal)
- VIII. **Experimental study on structure optimization of functionally graded sandwich plates under ballistic impact**
AYDIN M., APALAK M. K. , APALAK Z. G.
JOURNAL OF COMPOSITE MATERIALS, vol.54, no.26, pp.3967-3980, 2020 (Peer-Reviewed Journal)
- IX. **Elastic flexural analysis of adhesively bonded similar and dissimilar beams using refined zigzag theory and peridynamic differential operator**

DÖRDÜNCÜ M., APALAK M. K.

INTERNATIONAL JOURNAL OF ADHESION AND ADHESIVES, vol.101, 2020 (Peer-Reviewed Journal)

- X. **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 (Peer-Reviewed Journal)
- XI. **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 (Peer-Reviewed Journal)
- XII. **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, no.9, pp.707-724, 2020 (Peer-Reviewed Journal)
- XIII. **Impact penetration and perforation performance of square sandwich panels with EPS foam core**
ÇALIŞKAN U., APALAK M. K.
SADHANA-ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES, vol.45, no.1, 2020 (Peer-Reviewed Journal)
- XIV. **Thermal stress analysis of one- and two-dimensional functionally graded plates subjected to in-plane heat fluxes**
Demirbaş M. D. , Apalak M. K.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART L-JOURNAL OF MATERIALS-DESIGN AND APPLICATIONS, vol.233, pp.546-562, 2019 (Peer-Reviewed Journal)
- XV. **Stress wave propagation in adhesively bonded functionally graded cylinders: an improved model**
Dorduncu M., Apalak M. K. , Reddy J. N.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.33, pp.156-186, 2019 (Peer-Reviewed Journal)
- XVI. **Bending impact behaviour of sandwich beams with expanded polystyrene foam core: Analysis**
Çalışkan U., Apalak M. K.
JOURNAL OF SANDWICH STRUCTURES & MATERIALS, vol.21, pp.230-259, 2019 (Peer-Reviewed Journal)
- XVII. **Low speed impact behaviour of adhesively bonded foam-core sandwich T-joints**
ÇALIŞKAN U., APALAK M. K.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.33, no.3, pp.217-242, 2019 (Peer-Reviewed Journal)
- XVIII. **Ballistic performance of honeycomb sandwich structures reinforced by functionally graded face plates**
GÜNEŞ R., ARSLAN K., APALAK M. K. , REDDY J. N.
JOURNAL OF SANDWICH STRUCTURES & MATERIALS, vol.21, no.1, pp.211-229, 2019 (Peer-Reviewed Journal)
- XIX. **Investigation of the Thermo-elastic Response of Adhesively Bonded Two-Dimensional Functionally Graded Circular Plates Based on Theory of Elasticity**
DEMİRBAŞ M. D. , APALAK M. K.
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY-TRANSACTIONS OF MECHANICAL ENGINEERING, vol.42, no.4, pp.415-433, 2018 (Peer-Reviewed Journal)
- XX. **Stress wave propagation in a functionally graded adhesive layer between two identical cylinders**
DÖRDÜNCÜ M., APALAK M. K. , Reddy J.
JOURNAL OF ADHESION, vol.0, no.0, pp.1-36, 2018 (Peer-Reviewed Journal)
- XXI. **Thermal stress analysis of in-plane two-directional functionally graded plates subjected to in-plane edge heat fluxes**
APALAK M. K. , DEMİRBAŞ M. D.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART L-JOURNAL OF MATERIALS-DESIGN AND APPLICATIONS, vol.232, no.8, pp.693-716, 2018 (Peer-Reviewed Journal)
- XXII. **Experimental tests and numerical modeling of ballistic impact on honeycomb sandwich structures reinforced by functionally graded plates**
ARSLAN K., GÜNEŞ R., APALAK M. K. , REDDY J. N.

- JOURNAL OF COMPOSITE MATERIALS, vol.51, no.29, pp.4009-4028, 2017 (Peer-Reviewed Journal)
- XXIII. **Low-speed bending impact behavior of adhesively bonded single-lap joints**
Atahan M. G. , Apalak M. K.
Journal of Adhesion Science and Technology, vol.31, pp.1545-1575, 2017 (Peer-Reviewed Journal)
- XXIV. **Low velocity bending impact behavior of foam core sandwich beams: Experimental**
Çalışkan U., Apalak M. K.
Composites Part B: Engineering, vol.112, pp.158-175, 2017 (Peer-Reviewed Journal)
- XXV. **Experimental damage analysis of Al/SiC functionally graded sandwich plates under ballistic impact**
AYDIN M., APALAK M. K.
MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, vol.671, pp.107-117, 2016 (Peer-Reviewed Journal)
- XXVI. **Stress wave propagation in adhesively bonded functionally graded circular cylinders**
Dorduncu M., APALAK M. K.
Journal of Adhesion Science and Technology, vol.30, no.12, pp.1281-1309, 2016 (Peer-Reviewed Journal)
- XXVII. **Thermal residual stresses in in-plane functionally graded clamped hollow circular plates subjected to an edge heat flux**
APALAK M. K. , DEMİRBAŞ M. D.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART L-JOURNAL OF MATERIALS-DESIGN AND APPLICATIONS, vol.229, no.3, pp.236-260, 2015 (Peer-Reviewed Journal)
- XXVIII. **Elastic wave propagation in functionally graded circular cylinders**
Dorduncu M., APALAK M. K. , Cherukuri H. P.
COMPOSITES PART B-ENGINEERING, vol.73, pp.35-48, 2015 (Peer-Reviewed Journal)
- XXIX. **Stress wave propagation in adhesively bonded similar and dissimilar circular cylinders**
Dorduncu M., APALAK M. K.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.29, no.8, pp.778-806, 2015 (Peer-Reviewed Journal)
- XXX. **Experimental investigation on transverse low-speed impact behavior of adhesively bonded similar and dissimilar clamped plates**
Yildirim M., APALAK M. K.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.28, no.13, pp.1219-1242, 2014 (Peer-Reviewed Journal)
- XXXI. **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 (Peer-Reviewed Journal)
- XXXII. **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 (Peer-Reviewed Journal)
- XXXIII. **The Artificial Bee Colony algorithm in layer optimization for the maximum fundamental frequency of symmetrical laminated composite plates**
APALAK M. K. , KARABOĞA D., AKAY B.
ENGINEERING OPTIMIZATION, vol.46, no.3, pp.420-437, 2014 (Peer-Reviewed Journal)
- XXXIV. **Experimental and numerical investigations of low velocity impact on functionally graded circular plates**
GÜNEŞ R., AYDIN M., APALAK M. K. , Reddy J. N.
COMPOSITES PART B-ENGINEERING, vol.59, pp.21-32, 2014 (Peer-Reviewed Journal)
- XXXV. **Functionally Graded Adhesively Bonded Joints : critical review**
APALAK M. K.
REVIEWS OF ADHESION AND ADHESIVES, vol.2, pp.56-84, 2014 (Peer-Reviewed Journal)
- XXXVI. **Thermal residual stresses in adhesively bonded in-plane functionally graded clamped circular hollow plates**

- APALAK M. K. , DEMİRBAŞ M. D.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.27, no.14, pp.1590-1623, 2013 (Peer-Reviewed Journal)
- XXXVII. **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 (Peer-Reviewed Journal)
- XXXVIII. **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 (Peer-Reviewed Journal)
- XXXIX. **Thermal Residual Stresses in Adhesively Bonded In-plane Functionally Graded Clamped Plates Subjected to an Edge Heat Flux**
APALAK M. K. , Bağci M. D.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.25, no.15, pp.1861-1908, 2011 (Peer-Reviewed Journal)
- XL. **Free Vibration Analysis of an Adhesively Bonded Functionally Graded Tubular Single Lap Joint**
GÜNEŞ R., APALAK M. K. , Yildirim M.
JOURNAL OF ADHESION, vol.87, no.9, pp.902-925, 2011 (Peer-Reviewed Journal)
- XLI. **The elasto-plastic impact analysis of functionally graded circular plates under low-velocities**
GÜNEŞ R., AYDIN M., APALAK M. K. , REDDY J. N.
COMPOSITE STRUCTURES, vol.93, no.2, pp.860-869, 2011 (Peer-Reviewed Journal)
- XLII. **THERMAL RESIDUAL STRESSES IN ONE-DIRECTIONAL FUNCTIONALLY GRADED PLATES SUBJECTED TO IN-PLANE HEAT FLUX**
Bağci M. D. , APALAK M. K.
NUMERICAL HEAT TRANSFER PART A-APPLICATIONS, vol.60, no.1, pp.50-83, 2011 (Peer-Reviewed Journal)
- XLIII. **Effect of Adhesive Thickness on Transverse Low-Speed Impact Behavior of Adhesively Bonded Similar and Dissimilar Clamped Plates**
APALAK M. K. , Yildirim M.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.25, no.19, pp.2587-2613, 2011 (Peer-Reviewed Journal)
- XLIV. **Transverse Low-Speed Impact Behavior of Adhesively Bonded Similar and Dissimilar Clamped Plates**
Yildirim M., APALAK M. K.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.25, pp.69-91, 2011 (Peer-Reviewed Journal)
- XLV. **Impact performance of Al/SiC functionally graded circular plates**
APALAK M. K. , GÜNEŞ R., AYDIN M., Reddy J. N.
INTERNATIONAL JOURNAL OF MATERIALS & PRODUCT TECHNOLOGY, vol.42, pp.56-65, 2011 (Peer-Reviewed Journal)
- XLVI. **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 (Peer-Reviewed Journal)
- XLVII. **Free vibration analysis of adhesively bonded single lap joints with wide and narrow functionally graded plates**
GÜNEŞ R., APALAK M. K. , Yildirim M., ÖZKEŞ İ.
COMPOSITE STRUCTURES, vol.92, no.1, pp.1-17, 2010 (Peer-Reviewed Journal)
- XLVIII. **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 (Peer-Reviewed Journal)
- XLIX. **Free Vibration Analysis and Optimal Design of a Clamped-free Single Lap Joint with Unidirectional Laminated Narrow Plates**
APALAK M. K. , Yildirim M.
JOURNAL OF THERMOPLASTIC COMPOSITE MATERIALS, vol.22, no.2, pp.183-211, 2009 (Peer-Reviewed Journal)

- L. **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 (Peer-Reviewed Journal)
- LI. **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 (Peer-Reviewed Journal)
- LII. **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 (Peer-Reviewed Journal)
- LIII. **Non-linear elastic stresses in a thin hard coating/an elastic substrate system subjected to a surface pressure distribution**
 Apalak M. K. , Taşdemirci A.
 JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, vol.190, pp.263-281, 2007 (Peer-Reviewed Journal)
- LIV. **The free vibration analysis and optimal design of an adhesively bonded functionally graded single lap joint**
 Gunes R., Apalak M. K. , Yildirim M.
 INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES, vol.49, no.4, pp.479-499, 2007 (Peer-Reviewed Journal)
- LV. **Elastic flexural behaviour of an adhesively bonded single lap joint with functionally graded adherends**
 Kemal Apalak M. K. , Gunes R.
 MATERIALS & DESIGN, vol.28, no.5, pp.1597-1617, 2007 (Peer-Reviewed Journal)
- LVI. **Optimal vibration attenuation of an adhesively-bonded cantilevered single-lap joint**
 Apalak M. K. , Yildirim M.
 JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.21, pp.267-286, 2007 (Peer-Reviewed Journal)
- LVII. **Thermal residual stresses in an adhesively bonded functionally graded tubular single lap joint**
 Apalak M. K. , Gunes R., Eroglu S.
 INTERNATIONAL JOURNAL OF ADHESION AND ADHESIVES, vol.27, no.1, pp.26-48, 2007 (Peer-Reviewed Journal)
- LVIII. **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 (Peer-Reviewed Journal)
- LIX. **Progressive damage modeling of an adhesively bonded composite single lap joint under flexural loads at the mesoscale level**
 Apalak Z. G. , Apalak M. K. , Genc M. S.
 JOURNAL OF REINFORCED PLASTICS AND COMPOSITES, vol.26, no.9, pp.903-953, 2007 (Peer-Reviewed Journal)
- LX. **Free vibration analysis and optimal design of a cantilevered adhesively bonded composite tabular single lap joint**
 Apalak M. K. , Yildirim M.
 POLYMERS & POLYMER COMPOSITES, vol.15, no.6, pp.489-506, 2007 (Peer-Reviewed Journal)
- LXI. **Progressive damage modeling of an adhesively bonded unidirectional composite single-lap joint in tension at the mesoscale level**
 Apalak Z. G. , Apalak M. K. , Genc M. S.
 JOURNAL OF THERMOPLASTIC COMPOSITE MATERIALS, vol.19, no.6, pp.671-702, 2006 (Peer-Reviewed Journal)
- LXII. **Thermal residual stresses in an adhesively-bonded functionally graded single-lap joint**
 Apalak M. K. , Gunes R.
 JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.20, no.12, pp.1295-1320, 2006 (Peer-Reviewed Journal)
- LXIII. **Stress analysis of an adhesively bonded functionally graded tubular single lap joint subjected to an internal pressure**
 Apalak M. K.

- SCIENCE AND ENGINEERING OF COMPOSITE MATERIALS, vol.13, no.3, pp.183-211, 2006 (Peer-Reviewed Journal)
- LXIV. **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 (Peer-Reviewed Journal)
- LXV. **Elastic stresses in an adhesively-bonded functionally-graded tubular single-lap joint in tension**
Apalak M. K.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.20, no.9, pp.1019-1046, 2006 (Peer-Reviewed Journal)
- LXVI. **Investigation of elastic stresses in an adhesively bonded single lap joint with functionally graded adherends in tension**
Apalak M. K. , Gunes R.
COMPOSITE STRUCTURES, vol.70, no.4, pp.444-467, 2005 (Peer-Reviewed Journal)
- LXVII. **Thermal residual stress analysis of Ni-Al₂O₃, Ni-TiO₂, and Ti-SiC functionally graded composite plates subjected to various thermal fields**
Apalak M. K. , Gunes R.
JOURNAL OF THERMOPLASTIC COMPOSITE MATERIALS, vol.18, no.2, pp.119-152, 2005 (Peer-Reviewed Journal)
- LXVIII. **Thermal and geometrically nonlinear stress analyses of an adhesively bonded composite tee joint with double support**
Apalak M. K. , Apalak Z. G. , Gunes R.
JOURNAL OF THERMOPLASTIC COMPOSITE MATERIALS, vol.17, no.2, pp.103-136, 2004 (Peer-Reviewed Journal)
- LXIX. **Effect of adhesive free-end geometry on the initiation and propagation of damaged zones in adhesively bonded lap joints**
Apalak M. K. , Engin A.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.18, no.5, pp.529-559, 2004 (Peer-Reviewed Journal)
- LXX. **Thermal non-linear stresses in an adhesively bonded and laser-spot welded single-lap joint during laser-metal interaction**
Apalak M. K. , Aldaş K., Şen F.
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, vol.142, no.1, pp.1-19, 2003 (Peer-Reviewed Journal)
- LXXI. **Steady-state thermal and geometrical adhesively bonded tee joint non-linear stress analysis of an with double support**
Apalak M. K. , Apalak Z. G. , Gunes R., Karakaş E. S.
INTERNATIONAL JOURNAL OF ADHESION AND ADHESIVES, vol.23, no.2, pp.115-130, 2003 (Peer-Reviewed Journal)
- LXXII. **An investigation on the initiation and propagation of damaged zones in adhesively bonded lap joints**
Apalak M. K. , Engin A.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.17, no.14, pp.1889-1921, 2003 (Peer-Reviewed Journal)
- LXXIII. **Thermal and geometrically non-linear stress analyses of an adhesively bonded composite tee joint**
Apalak M. K. , Gunes R., Turaman M. Ö. , Cerit A. A.
COMPOSITES PART A-APPLIED SCIENCE AND MANUFACTURING, vol.34, no.2, pp.135-150, 2003 (Peer-Reviewed Journal)
- LXXIV. **Thermal non-linear elastic stress analysis of an adhesively bonded T-joint**
Apalak M. K. , Apalak Z. G. , Gunes R.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.17, no.7, pp.995-1016, 2003 (Peer-Reviewed Journal)
- LXXV. **Geometrically non-linear thermal stress analysis of an adhesively bonded tubular single lap joint**
Apalak M. K. , Gunes R., Fidancı L.
FINITE ELEMENTS IN ANALYSIS AND DESIGN, vol.39, no.3, pp.155-174, 2003 (Peer-Reviewed Journal)
- LXXVI. **On non-linear thermal stresses in an adhesively bonded single lap joint**
Apalak M. K. , Gunes R.
COMPUTERS & STRUCTURES, vol.80, no.1, pp.85-98, 2002 (Peer-Reviewed Journal)
- LXXVII. **On the non-linear elastic stresses in an adhesively bonded T-joint with double support**
Apalak M. K.

- JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.16, no.4, pp.459-491, 2002 (Peer-Reviewed Journal)
- LXXVIII. **Geometrically non-linear analysis of adhesively bonded corner joints**
Apalak M. K.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.13, no.11, pp.1253-1285, 1999 (Peer-Reviewed Journal)
- LXXIX. **Geometrically non-linear analysis of adhesively bonded modified double containment corner joints - II**
Apalak M. K.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.12, no.2, pp.135-160, 1998 (Peer-Reviewed Journal)
- LXXX. **Geometrically non-linear analysis of adhesively bonded double containment cantilever joints**
Apalak M. K. , Engin A.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.11, no.9, pp.1153-1195, 1997 (Peer-Reviewed Journal)
- LXXXI. **Analysis and design of tee joints with double support**
Apalak Z. G. , Apalak M. K. , Davies R.
INTERNATIONAL JOURNAL OF ADHESION AND ADHESIVES, vol.16, no.3, pp.187-214, 1996 (Peer-Reviewed Journal)
- LXXXII. **Analysis and design of adhesively bonded tee joints with a single support plus angled reinforcement**
Gul Apalak Z., Kemal Apalak M. K. , Davies R.
Journal of Adhesion Science and Technology, vol.10, no.8, pp.681-724, 1996 (Peer-Reviewed Journal)
- LXXXIII. **Analysis and design of adhesively bonded modified double containment corner joints .2.**
Apalak M. K. , Davies R., Apalak Z. G.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.10, no.10, pp.907-937, 1996 (Peer-Reviewed Journal)
- LXXXIV. **ANALYSIS AND DESIGN OF ADHESIVELY-BONDED DOUBLE-CONTAINMENT CORNER JOINTS**
APALAK M. K. , Davies R., APALAK Z. G.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.9, no.2, pp.267-293, 1995 (Peer-Reviewed Journal)
- LXXXV. **ANALYSIS AND DESIGN OF ADHESIVELY BONDED CORNER JOINTS - FILLET EFFECT**
APALAK M. K. , Davies R.
INTERNATIONAL JOURNAL OF ADHESION AND ADHESIVES, vol.14, no.3, pp.163-174, 1994 (Peer-Reviewed Journal)
- LXXXVI. **ANALYSIS AND DESIGN OF ADHESIVELY BONDED CORNER JOINTS**
APALAK M. K. , Davies R.
INTERNATIONAL JOURNAL OF ADHESION AND ADHESIVES, vol.13, no.4, pp.219-235, 1993 (Peer-Reviewed Journal)

Articles Published in Other Journals

- I. **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)
- II. **Improved Mathematical Models of Thermal Residual Stresses in Functionally Graded Adhesively Bonded Joints: A Critical Review**
APALAK M. K. , DEMİRBAŞ M. D.
Reviews of Adhesion and Adhesives, vol.7, no.4, pp.367-416, 2019 (Peer-Reviewed Journal)
- III. **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)
- IV. **Thermal residual stresses analyses of two-dimensional functionally graded circular plates with temperature-dependent material properties**
DEMİRBAŞ M. D. , APALAK M. K.
International Journal of Engineering Research and Development, vol.10, no.2, pp.202-213, 2018 (Peer-Reviewed Journal)

- V. **Thermal Stress Analysis of Functionally Graded Modulus Adhesive Joints**
DEMİRBAŞ M. D. , APALAK M. K.
JOURNAL OF POLYTECHNIC-POLİTEKNİK DERGİSİ, vol.21, no.2, pp.445-456, 2018 (Peer-Reviewed Journal)
- VI. **Thermal residual stresses analyses of two-dimensional functionally graded circular plates with temperature-dependent material properties**
DEMİRBAŞ M. D. , APALAK M. K.
Uluslararası Muhendislik Arastırma ve Gelistirme Dergisi, vol.10, pp.202-213, 2018 (Peer-Reviewed Journal)
- VII. **Numerical solution of thermal residual stress analysis with finite difference method of functionally graded circular plates**
DEMİRBAŞ M. D. , APALAK M. K.
Uluslararası Muhendislik Arastırma ve Gelistirme Dergisi, vol.10, pp.172-181, 2018 (Peer-Reviewed Journal)
- VIII. **Numerical solution of thermal residual stress analysis with finite difference method of functionally graded circular plates**
DEMİRBAŞ M. D. , APALAK M. K.
ULUSLARARASI MÜHENDİSLİK ARAŞTIRMA VE GELİŞTİRME DERGİSİ, vol.10, no.1, pp.172-181, 2018 (Peer-Reviewed Journal)
- IX. **FEM ANALYSES OF LOW VELOCITY IMPACT BEHAVIOUR OF SANDWICH PANELS WITH EPS FOAM CORE**
ÇALIŞKAN U., APALAK M. K.
JOURNAL OF THERMAL ENGINEERING, vol.3, no.6, pp.1544-1552, 2017 (Peer-Reviewed Journal)
- X. **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)
- XI. **Thermal stress analysis with finite difference method of functionally graded circular plates**
DEMİRBAŞ M. D. , APALAK M. K.
International Journal of Mechanical And Production Engineering,, vol.5, pp.73-79, 2017 (Peer-Reviewed Journal)
- XII. **Ballistic Limit of Al-Sic Functionally Graded Armor Plates**
GÜNEŞ R., HAKAN M., APALAK M. K.
International Journal of Mechanical and Production Engineering, 2017 (Peer-Reviewed Journal)
- XIII. **Thermal stresses in adhesively bonded joints/patches and their modeling: A critical review**
Kemal Apalak M. K.
Reviews of Adhesion and Adhesives, vol.4, no.3, pp.223-280, 2016 (Peer-Reviewed Journal)
- XIV. **Ways to Mitigate Thermal Stresses in Adhesively Bonded Joints/Patches: A Critical Review**
APALAK M. K.
REVIEWS OF ADHESION AND ADHESIVES, vol.4, no.3, pp.281-333, 2016 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Ways to Mitigate Thermal Stresses in Adhesively Bonded Joints/Patches**
APALAK M. K.
in: Progress in Adhesion and Adhesives, K.L.Mittal, Editor, Scrivener Publishing Wiley, Beverly, pp.271-333, 2017
- II. **Thermal Stresses in Adhesively Bonded Joints/Patches and Their Modeling**
APALAK M. K.
in: Progress in Adhesion and Adhesives, K.L.Mittal, Editor, Scrivener Publishing Wiley, Beverly, pp.217-270, 2017
- III. **Functionally graded adhesively bonded joints**
APALAK M. K.
in: Progress in Adhesion and Adhesives, Mittal, K.L., Editor, Scrivener Publishing John Wiley & Sons, West Sussex, Uk, Beverly, pp.57-84, 2015
- IV. **Functionally graded adhesively bonded joints**
APALAK M. K.

- in: Progress in adhesion and adhesives, K. L. Mittal, Editor, Scrivener Publishing, Massachusetts, pp.57-78, 2015
- V. **Free vibration analysis and optimal design of the adhesively bonded composite single lap and tubular lap joints**
APALAK M. K.
in: Composite Materials Technology : Neural network applications, S.M. Sapuan , I. M. Mujtaba, Editor, Crc Press Taylor & Francis Group, Boca Raton, pp.251-290, 2010
- VI. **Non-linear thermal stresses in adhesive joints**
APALAK M. K.
in: Modeling of Adhesively Bonded Joints, da Silva L.F.M. , Oechsner A. , Editor, Springer-Verlag , Berlin Heidelberg, pp.243-278, 2008
- VII. **Effect of Geometrical Non-linearity on the Stress and Deformation States of Adhesive Joints**
APALAK M. K.
in: Adhesive Joints: Formation, Characteristics and Testing vol. 2, Mittal K.L., Editor, Vsp, Boston, pp.221-256, 2002

Refereed Congress / Symposium Publications in Proceedings

- I. **FİBER TAKVİYELİ KOMPOZİTLERİN HASAR TESPİTİNDE KATI VE KABUK SONLU ELEMAN KULLANIMI ETKİSİ: KATI ELEMAN İÇİN BOZUNUM MODELİ**
ÇALIŞKAN U., APALAK M. K.
22. ULUSAL MEKANİK KONGRESİ, Adana, Turkey, 15 October 2021
- II. **Thermal stress analysis with finite difference method of functionally graded circular plates**
DEMİRBAŞ M. D. , APALAK M. K.
70th International Conference on Mechanical and Aerospace Engineering (ICMAE), Madrid, Spain, 23 - 24 August 2017, pp.18-24
- III. **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 - 08 July 2018, pp.1418-1427
- IV. **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
- V. **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
- VI. **Effects of temperature-dependent material properties on thermo-mechanical analysis of in-plane two-dimensional functionally graded circular plates**
DEMİRBAŞ M. D. , APALAK M. K.
First International Conference on Mechanics of Advanced Materials and Structures (ICMAMS), Torino, Italy, 17 - 20 June 2018, pp.1
- VII. **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
- VIII. **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

- IX. **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
- X. **Heat transfer analyses of one-dimensional functionally graded plates**
DEMİRBAŞ M. D. , APALAK M. K.
I. International Scientific and Vocational Studies Congress, 5 - 08 October 2017, pp.387
- XI. **Thermal residual stresses analyses of one-dimensional functionally graded circular plates**
DEMİRBAŞ M. D. , APALAK M. K.
I. International Scientific and Vocational Studies Congress, Nevşehir, Turkey, 5 - 08 October 2017, pp.386
- XII. **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
- XIII. **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
- XIV. **YAPIŞTIRICI İLE BİRLEŞTİRİLMİŞ ALÜMİNYUM TEK BİNDİRME BAĞLANTILARIN DÜŞÜK HIZLI EĞİLME DARBE DAVRANIŞININ İNCELENMESİ**
ATAHAN M. G. , APALAK M. K.
20. Ulusal Mekanik Kongresi, Bursa, Turkey, 5 - 09 September 2017
- XV. **Heat transfer analysis of the circular plates with finite difference method**
DEMİRBAŞ M. D. , APALAK M. K.
1th International Conference on Applied Analysis and Mathematical Modeling (ICAAMM2017), İstanbul, Turkey, 3 - 07 June 2017, pp.1
- XVI. **Ballistic limit of Al-SiC Functionally Graded Armor Plates**
GÜNEŞ R., Hakan M., APALAK M. K.
234. International Conference on Mechanical and Aerospace Engineering, Madrid, Spain, 3 - 07 May 2017, pp.15-19
- XVII. **Low velocity impact response on steel sandwich panels: An experimental and numerical study**
ÇALIŞKAN U., APALAK M. K.
3rd International Conference on Engineering and Natural Sciences (ICENS 2017), Budapeşte, Hungary, 3 - 07 May 2017, pp.1-7
- XVIII. **Numerical investigation of single and repeated impacts for foam core sandwich structures**
ÇALIŞKAN U., APALAK M. K.
3rd International Conference on Engineering and Natural Sciences (ICENS 2017), Budapeşte, Hungary, 3 - 07 May 2017, pp.1-6
- XIX. **SANDVIÇ L, T, ve Pi ŞEKİLLİ BAĞLANTILARIN DÜŞÜK HIZLI DARBE YÜKLERİ ALTINDAKİ ANALİZLERİ**
ÇALIŞKAN U., APALAK M. K.
VI. ULUSAL HAVACILIK VE UZAY KONFERANSI, Kocaeli, Turkey, 28 September 2016 - 30 March 2017, pp.1-10
- XX. **SANDVIÇ L T ve Pİ ŞEKİLLİ BAĞLANTILARIN DÜŞÜK HIZLI DARBE YÜKLERİ ALTINDAKİ ANALİZLERİ**
ÇALIŞKAN U., APALAK M. K.
VI. ULUSAL HAVACILIK VE UZAY KONFERANSI, Kocaeli, Turkey, 28 - 30 September 2016, pp.768-777
- XXI. **Low Velocity Impact Performance of Honeycomb Sandwich Structures Reinforced by Functionally Graded Face Plates**
ARSLAN K., GÜNEŞ R., APALAK M. K. , Reddy J.
14th International Symposium on Functionally Graded Materials, Bayreuth, Germany, 10 - 21 September 2016, pp.126-130
- XXII. **Investigation on Ballistic Limit of Functionally Graded Plates**

- GÜNEŞ R., Hakan M., APALAK M. K. , Reddy J.
14th Internayional Symposium on Functionally Graded Materials, Bayreuth, Germany, 18 - 21 September 2016, pp.1-5
- XXIII. **Stress Wave Propagation in a Functionally Graded Cylinder**
APALAK M. K. , DÖRDÜNCÜ M.
14 th International Symposium Functionally Graded Materials Multiscale & Multifunctional Structures, Bayreuth, Germany, 18 - 21 September 2016, pp.173-177
- XXIV. **Effect of Number of Layers on the Ballistics Performance of Functionally Graded Sandwich Plates**
AYDIN M., APALAK M. K. , APALAK Z. G.
14th International Symposium on Functionally Graded Materials, Bayreuth, Germany, 18 - 21 September 2016, pp.215-218
- XXV. **Investigation on the Ballistic Limit of Functionally Graded Plates**
GÜNEŞ R., HAKAN M., APALAK M. K. , REDDY J. N.
ISFGMs 2016, 14th International Symposium on Functionally Graded Materials, Multiscale and Multifunctional Structures, 18 - 21 September 2016
- XXVI. **YAPIŞTIRICI İLE BİRLEŞTİRİLMİŞ SANDVIÇ T TİPİ BAĞLANTILARIN DÜŞÜK HIZLI DARBE DAVRANIŞI**
ÇALIŞKAN U., APALAK M. K. , ARSLAN K.
XIX. ULUSAL MEKANİK KONGRESİ, Trabzon, Turkey, 24 - 28 August 2016, pp.292-301
- XXVII. **Progressive Failure Analysis of Laminated Composite Plates Under Low Velocity Impact**
Güneş R., Alçı M., Hakan M., Apalak M. K.
The 17th International Conference on Machine Design and Production, Bursa, Turkey, 12 - 15 July 2016, pp.1-11
- XXVIII. **Prediction of the Dynamic Response of Repeated Low Velocity Impact on Adhesively Bonded Plates**
ÇALIŞKAN U., APALAK M. K.
International Conference on Engineering and Natural Sciences, Sarajevo, Bosnia And Herzegovina, 24 - 28 May 2016, pp.2594-2598
- XXIX. **Numerical simulations of composite sandwich panels under low velocity impact**
ÇALIŞKAN U., APALAK M. K.
International Conference on Engineering and Natural Science, Sarajevo, Bosnia And Herzegovina, 24 - 28 May 2016, pp.2599-2606
- XXX. **The Thermal Stress Analysis of One- and Two-Dimensional Functionally Graded Circular Plates for In-Plane Sinusoidal Heat Flux**
DEMİRBAŞ M. D. , APALAK M. K.
INTERNATIONAL CONFERENCE ON ENGINEERING AND NATURAL SCIENCE, Saray Bosna, Bosnia And Herzegovina, 24 - 28 May 2016, pp.1-5
- XXXI. **FEM ANALYSES OF LOW VELOCITY IMPACT BEHAVIOUR OF SANDWICH PANELS WITH EPS FOAM CORE**
ÇALIŞKAN U., APALAK M. K.
CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2016 – ICAME2016, 11 - 13 May 2016
- XXXII. **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
- XXXIII. **Fonksiyonel Kademelendirilmiş Sandviç Plakaların Balistik Darbe Yüğü Altındaki Davranışı Üzerinde Farklı Seramik Bileşenlerinin Etkisinin İncelenmesi**
AYDIN M., APALAK M. K. , GÜNEŞ R., Reddy J.
XIX. Ulusal Mekanik Kongresi, Trabzon, Turkey, 24 August - 28 November 2015
- XXXIV. **Yapıştırıcı ile Birleştirilmiş Sandviç T Tipi Bağlantıların Düşük Hızlı Darbe Davranışı**
ÇALIŞKAN U., APALAK M. K. , ARSLAN K.
XIX. Ulusal Mekanik Kongresi, Turkey, 24 - 28 August 2015
- XXXV. **Alüminyum Plakaların Balistik Performansının Araştırılması**
Hakan M., Güneş R., Apalak M. K.
XIX. Ulusal Mekanik Kongresi, Trabzon, Turkey, 24 - 28 August 2015, pp.525-535

- XXXVI. **Fonksiyonel Kademelendirilmiş Plakalar ile Desteklenmiş Bal Peteği Sandviç Yapıların Düşük Hızlı Darbe Davranışlarının İncelenmesi**
ARSLAN K., GÜNEŞ R., APALAK M. K. , Reddy J.
XIX. Ulusal Mekanik Kongresi, Trabzon, Turkey, 24 - 28 August 2015
- XXXVII. **Numerical Investigations On The Ballistic Performance Of Honeycomb Sandwich Structures Reinforced By Functionally Graded Plates**
GÜNEŞ R., ARSLAN K., APALAK M. K. , Reddy J.
13th International Symposium on Multiscale, Multifunctional and Functionally Graded Materials, Sao Paulo, Brazil, 19 - 22 October 2014, pp.16-20
- XXXVIII. **An Experimental Study On Ballistics Performance: Functionally Graded Sandwich Plate Impacted By A 9 Mm Parabellum Projectile**
AYDIN M., APALAK M. K. , GÜNEŞ R., Reddy J.
13th International Symposium on Multiscale, Multifunctional and Functionally Graded Materials, Sao Paulo, Brazil, 19 - 22 October 2014, pp.21-24
- XXXIX. **Numerical Investigations on the Ballistic Performance of Honeycomb Sandwich Structures Reinforced by Functionally Graded Plates**
GÜNEŞ R., ARSLAN K., APALAK M. K. , JN R.
Proceedings of the 13th International Symposium on Multiscale, Multifunctional and Functionally Graded Materials, Sao-Paulo, Brazil, 19 - 22 October 2014, vol.1, pp.9-13
- XL. **Alüminyum Plakalar ile Takviyelendirilmiş Alüminyum Bal Peteği Sandviç Yapıların Düşük Hızlı Darbe Davranışlarının İncelenmesi**
ARSLAN K., GÜNEŞ R., APALAK M. K.
V. Ulusal Havacılık ve Uzay Konferansı, Kayseri, Turkey, 8 - 10 September 2014, pp.1-10
- XLI. **IN-PLANE THERMAL RESIDUAL STRESSES IN FUNCTIONALLY GRADED PLATES**
APALAK M. K. , DEMİRBAŞ M. D.
12th ASME Biennial Conference on Engineering Systems Design and Analysis (ESDA2014), Copenhagen, Denmark, 25 - 27 June 2014
- XLII. **IN-PLANE THERMAL RESIDUAL STRESSES IN ADHESIVELY BONDED FUNCTIONALLY GRADED PLATES**
APALAK M. K. , DEMİRBAŞ M. D.
The sixteenth European Conference for Composite Materials (ECCM16), Seville, Spain, 22 - 26 June 2014, pp.1-10
- XLIII. **Plaklı Bir Damar İle Nitinol Stent Etkileşiminin Sonlu Elemanlar Yöntemiyle İncelenmesi**
GÜNEŞ R., ÇAM Ö., APALAK M. K.
Uluslararası Katılımlı 6. Biyomekanik Kongresi, Sakarya, Turkey, 28 - 30 September 2012
- XLIV. **Plaklı Bir Damar İle Nitinol Stent Etkileşiminin Sonlu Elemanlar Yöntemiyle İncelenmesi Investigation Of Interaction Between Nitinol Stent And A Vascular Plaque Using Finite Element Method**
GÜNEŞ R., ÇAM Ö., APALAK M. K.
6. Biyomekanik Uluslararası Katılımlı Kongre, Sakarya, Turkey, 28 - 30 September 2012, vol.16, no.3, pp.319-329
- XLV. **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
- XLVI. **Nitinol Stentin Süperelastik Davranışının Analizi**
GÜNEŞ R., APALAK M. K. , Gölgeci H.
Uluslararası Katılımlı V. Ulusal Biyomekanik Kongresi, İzmir, Turkey, 23 - 25 September 2010
- XLVII. **Low-Velocity Impact Behaviour Of Functionally Graded Circular Plates**
GÜNEŞ R., APALAK M. K. , AYDIN M., Reddy J. N.
11th International Symposium on Multiscale, Multifunctional and Functionally Graded Materials, Guimarães, Portugal, Portugal, 1 - 04 September 2010, pp.1
- XLVIII. **Alüminyum Plakaların Düşük Hızlı Darbe Davranışlarının Deneysel ve Sayısal Olarak İncelenmesi**
GÜNEŞ R., APALAK M. K. , AYDIN M.

16.Ulusal Mekanik Kongresi, Kayseri, Turkey, 1 - 04 July 2009

XLIX. Fonksiyonel Kademelendirilmiş Dairesel Plakaların Düşük Hızlı Darbe Analizi

GÜNEŞ R., APALAK M. K. , AYDIN M.

16.Ulusal Mekanik Kongresi, Kayseri, Turkey, 1 - 04 May 2009

L. , Elastic stresses in adhesively bonded functionally graded single lap joints subjected to mechanical and thermal loads

APALAK M. K.

ACE-X 2008 International Conference on Advanced Computational Engineering and Experimenting, Special Session: Adhesive Bonding, Barcelona, Spain, Spain, 1 - 04 July 2008, pp.1

LI. Fonksiyonel Kademelendirilmiş Tek Bindirme Bağlantılı Silindirik Plakaların Burkulma Sonrası Davranışları

GÜNEŞ R., APALAK M. K. , AYDIN M.

Kayseri VII. Havacılık Sempozyumu, Kayseri, Turkey, 1 - 04 July 2008

LII. 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

LIII. 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

LIV. 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

LV. Post-buckling of Functionally Graded Cylindrical Shells

GÜNEŞ R., APALAK M. K. , Taşdemir H. A.

2007 ASME International Mechanical Engineering Congress and Exposition, Seattle, Washington, United States Of America, 1 - 04 November 2007, pp.1

LVI. Fonksiyonel Kademelendirilmiş Dairesel Plakaların Lineer Olmayan Termomekanik Analizleri

GÜNEŞ R., APALAK M. K. , Reddy J.

XV. Ulusal Mekanik Kongresi, Isparta, Turkey, 3 - 07 September 2007

LVII. Fonksiyonel Kademelendirilmiş Küresel Kabukların Burkulma Sonrası Davranışları

GÜNEŞ R., APALAK M. K. , Taşdemir H. A.

XV: Ulusal Mekanik Kongresi, Isparta, Turkey, 3 - 07 September 2007

LVIII. Thermal Residual Stresses in an Adhesively Bonded Functionally Graded Single Lap Joint Subjected to Uniform Temperature Field

GÜNEŞ R., APALAK M. K.

12nd International Conference on Machine Design and Production, UMTIK'2006, Kuşadası, Turkey, Turkey, 1 - 04 September 2006, pp.1

LIX. Failure analysis of an adhesively bonded carbon fiber reinforced polymeric (CFRP) composite single lap joint under flexure loads

APALAK Z. G. , GENÇ M. S. , APALAK M. K.

7th International Fracture Conference IFC 2005, Kocaeli, Turkey, Turkey, 1 - 04 October 2005, pp.1

LX. Investigation of Thermal Residual Stresses in an Adhesively Bonded Functionally Graded Single Lap Joint

APALAK M. K. , GÜNEŞ R.

The Sixth International Congress on Thermal Stresses THERMAL STRESSES 2005, TS-2005, Vienna, Austria, Austria, 1 - 04 May 2005, pp.1

LXI. Damage zone growth in an adhesively bonded composite single lap joint

APALAK Z. G. , GENÇ M. S. , APALAK M. K.

- The 11th International Conference on Machine Design and Production UMTIK 2004, METU, Antalya, Turkey, Turkey, 1 - 04 October 2004, pp.1
- LXII. **Stress analysis of an adhesively bonded functionally graded single lap joint**
GÜNEŞ R., APALAK M. K.
The 11th International Conference on Machine Design and Production UMTIK 2004, METU, Antalya, Turkey, Turkey, 1 - 04 October 2004, pp.1
- LXIII. **Thermal residual stress analysis of functionally graded plates**
APALAK M. K. , GÜNEŞ R.
SEMC 2004 : The Second International Conference on Structural Engineering, Mechanics and Computation, Cape Town, South Africa, South Africa, 1 - 04 July 2004, pp.1
- LXIV. **, Thermal Residual Stresses in Multilayered Plates Subjected to Uniform, Linear and Parabolic Temperature Distributions**
APALAK M. K. , GÜNEŞ R.
The Fifth International Congress on Thermal Stresses THERMAL STRESSES 2003, Blacksburg, VA, USA, United States Of America, 1 - 04 June 2003, pp.1
- LXV. **Elasto-plastic Stress Analysis of an Adhesively Bonded Single Lap Joint Subjected to a Bending Moment**
APALAK M. K. , Engin A.
The 10th International Conference on Machine Design and Production UMTIK 2002, METU, Cappadocia, Turkey, Turkey, 1 - 04 September 2002, pp.1
- LXVI. **Investigation of Thermal Residual Stresses in Multi-layered Plates with Different Material Combinations**
GÜNEŞ R., APALAK M. K.
The 10th International Conference on Machine Design and Production UMTIK 2002, METU, Cappadocia, Turkey, Turkey, 1 - 04 September 2002, pp.1
- LXVII. **Geometrically Non-linear Thermal Stress Analysis of an Adhesively Bonded Tee Joint with Single Support plus Angled Reinforcement**
APALAK M. K. , GÜNEŞ R.
The Fourth International Congress on Thermal Stresses THERMAL STRESSES 2001, Japan, 1 - 04 June 2001, pp.1
- LXVIII. **Geometrically Non-linear Thermal Stress Analysis of an Adhesively Bonded Tee Joint with Double Support**
APALAK M. K. , GÜNEŞ R., Karakaş E. S.
SEMC 2001 : The International Conference on Structural Engineering, Mechanics and Computation, South Africa, 1 - 04 March 2001, pp.1
- LXIX. **Elasto-plastic Stress Analysis of an Adhesively Bonded Single Lap Joint**
APALAK M. K. , Engin A.
The 9th International Conference on Machine Design and Production UMTIK 2000, Turkey, 1 - 04 September 2000, pp.1
- LXX. **On Elastic Contact Stresses in a Thin Hard Coating/an Elastic Substrate System**
Taşdemirci A., APALAK M. K.
The 9th International Conference on Machine Design and Production UMTIK 2000, Turkey, 1 - 04 September 2000, pp.1
- LXXI. **Effect of Geometrical Non-linearity on the Stress and Deformation States of Adhesive Joints**
APALAK M. K.
Second International Symposium on Adhesive Joints : Formation, Characteristics and Testing, United States Of America, 1 - 04 March 2000, pp.221-256
- LXXII. **Zonlu Toprak Dolgu Barajlarda Sızmanın ve Boşluk Suyu Basınçlarının Belirlenmesi**
ARDIÇLIOĞLU M., KARA H. B. , APALAK M. K.
Su Yapılarında Karşılaşılan Zemin mekaniği Problemleri, DSİ XXV. Bölge Müdürlüğü, Balıkesir, Turkey, 1 - 04 December 1998
- LXXIII. **Uçaklarda Pist Pürüzlülüğüyle Meydana Gelen Titreşimlerin Nümerik Analizi**

TAPLAK H., SU Ş., APALAK M. K.

8. Ulusal Makine Teorisi Sempozyumu, Elazığ, Turkey, 17 - 19 September 1997

LXXIV. Analysis and Design of Bonded Double Containment Cantilever Joints

APALAK M. K. , Engin A.

The 7th International Conference on Machine Design and Production UMTIK 96, Turkey, 1 - 04 September 1996, pp.517-528

LXXV. Effect of Tapering Adherend Ends of Adhesive Single Lap Joints between Circular Tubes Loaded in Tension

APALAK M. K. , Davies R., APALAK Z. G.

The 2nd National Computational Mechanics Conference UHEM 96, Karadeniz Technical University, Trabzon, Turkey, Trabzon, Turkey, 1 - 04 September 1996, pp.1

LXXVI. Stress Analysis of Adhesive Single Lap Joints between Circular Tubes Loaded in Tension

APALAK M. K. , APALAK Z. G. , Davies R.

The 2nd National Computational Mechanics Conference UHEM 96, Trabzon, Turkey, 1 - 04 September 1996, pp.1

Other Publications

I. DAMAGE ANALYSIS OF LOW-VELOCITY IMPACT ON COMPOSITE SANDWICH PANELS USING 3D SOLID FINITE ELEMENT

ÇALIŞKAN U., APALAK M. K.

Technical Report, pp.1-10, 2017

II. 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

III. 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

IV. 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

V. 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

VI. 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

Supported Projects

GÜNEŞ R., APALAK M. K. , TUBITAK Project, Statik ve Düşük Hızlı Çarpma Yükleri Altında Fonksiyonel Kademelendirilmiş Plakaların ve Silindirik Kabukların Lineer Olmayan Termo-Mekanik Analizleri, 2007 - Continues

APALAK M. K. , GÜNEŞ R., AYDIN M., ARSLAN K., ÇALIŞKAN U., Project Supported by Higher Education Institutions, Fonksiyonel Kademelendirilmiş Malzemelerin Yüksek Şekil Değiştirme Hızlarındaki Mekanik Özelliklerinin Karakterizasyonu ve Sayısal Modelinin Geliştirilmesi, 2017 - 2019

APALAK M. K. , DÖRDÜNCÜ M., REDDY J. N. , Project Supported by Higher Education Institutions, İşlevsel Kademelenendirilmiş Dairesel Silindirlerde Elastik Dalga Yayılımı, 2016 - 2019

APALAK M. K. , ALKEFLAWI D., Project Supported by Higher Education Institutions, Buckling And Postbuckling Behaviors Of Metal Sandwich Beams With Polymeric Foam, 2017 - 2018

APALAK M. K. , ÇALIŞKAN U., Project Supported by Higher Education Institutions, KOMPOZİT SANDVIÇ KİRİŞLERİN EĞİLME DARBE DAVRANIŞININ İNCELENMESİ, 2016 - 2018

APALAK M. K. , ÇIKLAÇANDIR K., Project Supported by Higher Education Institutions, YAPIŞTIRICI İLE BİRLEŞTİRİLMİŞ METAL ÇUBUKLARIN BURKULMA ANALİZİ, 2017 - 2017

APALAK M. K. , ARSLAN Y. E. , Project Supported by Higher Education Institutions, YAPIŞTIRICI İLE BİRLEŞTİRİLMİŞ TABAKALI KOMPOZİT ÇUBUKLARIN BURKULMA ANALİZİ, 2017 - 2017

APALAK Z. G. , APALAK M. K. , AYDIN M., Project Supported by Higher Education Institutions, Fonksiyonel Kademelenendirilmiş Sandviç Plakaların Üretim Süreçlerinin En İyileştirilerek Balistik Performanslarının İncelenmesi, 2016 - 2017

GÜNEŞ R., APALAK M. K. , ARSLAN K., Project Supported by Higher Education Institutions, Fonksiyonel Kademelenendirilmiş Plakalar ile Desteklenmiş Bal Peteği Sandviç Yapıların Üretim Şartlarının İyileştirilerek Balistik Performanslarının Araştırılması, 2016 - 2017

APALAK M. K. , ÇALIŞKAN U., Project Supported by Higher Education Institutions, Sandviç Kirişlerin Eğilme Darbe Davranışlarının İncelenmesi, 2014 - 2016

APALAK M. K. , YILMAZ I., GÜNEŞ R., Project Supported by Higher Education Institutions, V. ULUSAL HAVACILIK VE UZAY KONFERANSI, 8-10 EYLÜL 2014, SİVİL HAVACILIK YÜKSEKOKULU, ERCİYES ÜNİVERSİTESİ, KAYSERİ, 2014 - 2015

APALAK M. K. , ATAHAN M. G. , Project Supported by Higher Education Institutions, Yapıştırıcı ile Birleştirilmiş Tek Bindirme Bağlantıların Eğik Darbe Altındaki Davranışlarının İncelenmesi, 2014 - 2015

APALAK M. K. , AYDIN M., Project Supported by Higher Education Institutions, Fonksiyonel Kademelenendirilmiş Sandviç Plakaların Balistik Davranışlarının İncelenmesi, 2012 - 2015

APALAK M. K. , DEMİRBAŞ M. D. , Project Supported by Higher Education Institutions, DÜZLEM İÇİ ISIL YÜKE MARUZ İKİ YÖNLÜ İŞLEVSEL KADEMELENDİRİLMİŞ DÖRTGEN VE DAİRESEL PLAKALARIN ISIL GERİLME ANALİZİ, 2012 - 2014

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

APALAK M. K. , YILDIRIM M., Project Supported by Higher Education Institutions, YAPIŞTIRICI İLE BİRLEŞTİRİLMİŞ BİNDİRME BAĞLANTILARIN DÜŞÜK HIZLI DARBE DAVRANIŞLARI, 2009 - 2011

APALAK M. K. , BAĞCI M. D. , Project Supported by Higher Education Institutions, DÜZLEM İÇİ ISIL YÜKE MARUZ TEK YÖNLÜ İŞLEVSEL KADEMELENDİRİLMİŞ PLAKALARDA ISIL ARTIK GERİLMELERİN ANALİZİ, 2009 - 2010

GÜNEŞ R., APALAK M. K. , KARAMAN İ., YILDIRIM M., Project Supported by Higher Education Institutions, ŞEKİL HAFIZALI ALAŞIMLARIN LİNEER OLMAYAN ANALİZLERİ, 2007 - 2010

NAİR F., KARAMIŞ M. B. , GÜNEŞ R., APALAK M. K. , Project Supported by Higher Education Institutions, FONKSİYONEL KADEMELENDİRİLMİŞ KOMPOZİT PLAKALARIN YÜKSEK HIZLI ÇARPMA YÜKLERİ ALTINDA TERMO-MEKANİK DAVRANIŞLARININ İNCELENMESİ, 2000 - 2010

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

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

APALAK M. K. , YILDIRIM M., Project Supported by Higher Education Institutions, YAPIŞTIRICI İLE BİRLEŞTİRİLMİŞ TABAKALI KOMPOZİT BİNDİRME BAĞLANTILARIN LİNEER SERBEST TİTREŞİM VE ELASTİK GERİLEME ANALİZİ, 2005 - 2006

APALAK M. K. , APALAK Z. G. , GÜNEŞ R., Project Supported by Higher Education Institutions, ÇOK KATMANLI YADA FONKSİYONEL OLARAK KADEMELENDİRİLMİŞ KOMPOZİT PLAKALARDA ISIL ARTIK GERİLMELERİN ANALİZİ, 2004 - 2006

APALAK M. K. , GENÇ M. S. , APALAK Z. G. , DEMİRTAŞ H., Project Supported by Higher Education Institutions, YAPIŞTIRICI İLE BİRLEŞTİRİLMİŞ FİBER DESTEKLİ KOMPOZİT BİNDİRME BAĞLANTILARININ HASAR BÖLGESİ

MODELİNE BAĞLI OPTİMUM TASARIMI, 2004 - 2005

APALAK M. K. , Project Supported by Higher Education Institutions, YAPIŞTIRICI İLE BİRLEŞTİRİLMİŞ BİNDİRME VE ANKASTRE BAĞLANTILARIN ELASTİK-PLASTİK ANALİZİ VE TASARIMI, 2002 - 2004

Activities in Scientific Journals

International Journal of Adhesion and Adhesives, Advisory Committee Member, 2013 - Continues

Journal of Structures, Editor, 2013 - Continues

The Journal of Adhesion Science and Technology, Advisory Committee Member, 2009 - Continues

Metrics

Publication: 192

Citation (WoS): 1159

Citation (Scopus): 1175

H-Index (WoS): 21

H-Index (Scopus): 20

Scholarships

İngiliz Hükümetince deniz aşırı doktora öğrencilerine verilen , OVERSEAS RESEARCH STUDENT AWARD, University, 1991
- Continues

Non Academic Experience

Other Public Institution, Tübitak