

Assoc. Prof. Mehmet AVCAR

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: M-4299-2014

Yoksis Researcher ID: 154002

Education Information

Doctorate, Suleyman Demirel University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği, Turkey 2007 - 2011

Postgraduate, Suleyman Demirel University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği, Turkey 2005 - 2007

Undergraduate, Suleyman Demirel University, Mühendislik-Mimarlık Fakültesi, İnşaat Mühendisliği, Turkey Continues

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Kombine Yükler Etkisi Altında Homojen Olmayan Ortotrop Malzemelerden Oluşan Kayma Deformasyonlu Tabakalı Silindirik Kabukların Stabilitesi. Süleyman Demirel Üniversitesi, Fen Bilimleri Enstitüsü, 2011., Suleyman Demirel University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği, 2011

Postgraduate, Elastik Zemin Üzerinde Bulunan Homojen Olmayan Elastik Kirişin Stabilitate ve Titreşimi, Suleyman Demirel University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği, 2007

Research Areas

Mechanics of Solid Bodies, Civil Engineering, Mechanical, Structural Mechanics, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Suleyman Demirel University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2018 - Continues

Assistant Professor, Suleyman Demirel University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2018 - 2018

Assistant Professor, Suleyman Demirel University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2012 - 2018

Research Assistant PhD, Suleyman Demirel University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2011 - 2012

Research Assistant, Suleyman Demirel University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2010 - 2011

Research Assistant, Suleyman Demirel University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği Anabilim Dalı, 2006 - 2010

Academic and Administrative Experience

Suleyman Demirel University, Teknik Eğitim Fakültesi, 2018 - Continues
Suleyman Demirel University, Strateji Geliştirme Daire Başkanlığı, 2018 - Continues
Suleyman Demirel University, İnşaat Mühendisliği, İnşaat Mühendisliği, 2012 - Continues
Suleyman Demirel University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2018 - 2019
Suleyman Demirel University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2017 - 2018

Courses

Elastisite Teorisi, Postgraduate, 2017 - 2018, 2016 - 2017
Mühendislik Tasarımı, Undergraduate, 2017 - 2018
İleri Mukavemet, Postgraduate, 2016 - 2017
İleri Mukavemet, Postgraduate, 2017 - 2018
Mukavemet II, Undergraduate, 2016 - 2017
Statik, Undergraduate, 2016 - 2017
Mukavemet I, Undergraduate, 2017 - 2018
Bitirme Ödevi I, Undergraduate, 2017 - 2018

Advising Theses

AVCAR M., Pasternak Zemin Oturan Fonksiyonel Derecelendirilmiş Kirişin Serbest Titreşimi, Postgraduate, W.Khalid(Student), 2017
AVCAR M., Farklı Mühendislik Teorileri İle Fonksiyonel Derecelendirilmiş Kirişin Serbest Titreşim Analizi, Postgraduate, H.Hazim(Student), 2017

Jury Memberships

Post Graduate, YL Tez, Akdeniz Üniversitesi Fen Bilimleri Enstitüsü , December, 2019
Doctoral Examination, Doktora, Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü, November, 2019
Post Graduate, YL Tez, Akdeniz Üniversitesi Fen Bilimleri Enstitüsü , October, 2019
Post Graduate, YL Tez, Recep Tayyip Erdoğan Üniversitesi Fen Bilimleri Enstitüsü, November, 2018
Doctorate, Doktora Tez, Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü, October, 2018
Doctoral Examination, Doktora , Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü, October, 2018
Post Graduate, YL Tez, Akdeniz Üniversitesi Fen Bilimleri Enstitüsü , July, 2018
Post Graduate, YL Tez, Akdeniz Üniversitesi Fen Bilimleri Enstitüsü , May, 2018
Doctoral Examination, Doktora , Kocaeli Üniversitesi Fen Bilimleri Enstitüsü, May, 2018
Doctorate, Doktora Tez, Akdeniz Üniversitesi Fen Bilimleri Enstitüsü , May, 2018
Doctorate, Doktora Tez, Akdeniz Üniversitesi Fen Bilimleri Enstitüsü , January, 2018
Post Graduate, YL Tez, Akdeniz Üniversitesi Fen Bilimleri Enstitüsü , November, 2017
Post Graduate, YL Tez, Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü, July, 2017
Post Graduate, Yüksek Lisans Savunma, Akdeniz Üniversitesi Fen Bilimleri Enstitüsü, January, 2017
Doctorate, Doktora Tez, Akdeniz Üniversitesi Fen Bilimleri Enstitüsü , December, 2016
Post Graduate, YL Tez, Akdeniz Üniversitesi Fen Bilimleri Enstitüsü , July, 2016
Post Graduate, YL Tez, Akdeniz Üniversitesi Fen Bilimleri Enstitüsü , May, 2016
Doctorate, Doktora Tez, Akdeniz Üniversitesi Fen Bilimleri Enstitüsü , May, 2015
Post Graduate, YL Tez, Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü, December, 2013
Post Graduate, YL Tez, Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü, June, 2013

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Study on crashworthiness of nature-inspired functionally graded lattice metamaterials for bridge pier protection against ship collision**
Nian Y., Wan S., Wang X., Zhou P., AVCAR M., Li M.
Engineering Structures, vol.277, 2023 (SCI-Expanded)
- II. **An improved first-order mixed plate element for static bending and free vibration analysis of functionally graded sandwich plates**
Van Vinh P., Belarbi M., AVCAR M., CİVALEK Ö.
Archive of Applied Mechanics, 2023 (SCI-Expanded)
- III. **The influence of various nanofiller materials (CNTs, GNPs, and GOPs) on the natural frequencies of Nanocomposite Cylindrical Shells: A comparative study**
Sobhani E., AVCAR M.
MATERIALS TODAY COMMUNICATIONS, vol.33, 2022 (SCI-Expanded)
- IV. **Static analysis of functionally graded plate structures resting on variable elastic foundation under various boundary conditions**
Daikh A., Belarbi M., Ahmed D., Houari M. S. A., AVCAR M., Tounsi A., Eltaher M. A.
ACTA MECHANICA, 2022 (SCI-Expanded)
- V. **Natural frequency analysis of imperfect GNPRN conical shell, cylindrical shell, and annular plate structures resting on Winkler-Pasternak Foundations under arbitrary boundary conditions**
Sobhani E., AVCAR M.
ENGINEERING ANALYSIS WITH BOUNDARY ELEMENTS, vol.144, pp.145-164, 2022 (SCI-Expanded)
- VI. **The influence of Winkler-Pasternak elastic foundations on the natural frequencies of imperfect functionally graded sandwich beams**
AVCAR M., Hadji L., AKAN R.
GEOMECHANICS AND ENGINEERING, vol.31, no.1, pp.99-112, 2022 (SCI-Expanded)
- VII. **The free vibration analysis of hybrid porous nanocomposite joined hemispherical-cylindrical-conical shells**
Sobhani E., Arbabian A., Civalek O., AVCAR M.
ENGINEERING WITH COMPUTERS, vol.38, pp.3125-3152, 2022 (SCI-Expanded)
- VIII. **Natural frequency analysis of FG-GOP/ polymer nanocomposite spheroid and ellipsoid doubly curved shells reinforced by transversely-isotropic carbon fibers**
Sobhani E., Masoodi A. R., Civalek O., AVCAR M.
ENGINEERING ANALYSIS WITH BOUNDARY ELEMENTS, vol.138, pp.369-389, 2022 (SCI-Expanded)
- IX. **Free vibration and buckling analyses of CNT reinforced laminated non-rectangular plates by discrete singular convolution method**
Civalek O., AVCAR M.
ENGINEERING WITH COMPUTERS, vol.38, pp.489-521, 2022 (SCI-Expanded)
- X. **Natural frequency analysis of sigmoid functionally graded sandwich beams in the framework of high order shear deformation theory**
AVCAR M., Hadji L., Civalek Ö.
Composite Structures, vol.276, 2021 (SCI-Expanded)
- XI. **An analytical solution for the free vibration of FG nanoplates**
Hadji L., AVCAR M., Civalek O.
JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING, vol.43, no.9, 2021 (SCI-Expanded)
- XII. **Nonlocal free vibration analysis of porous FG nanobeams using hyperbolic shear deformation beam theory**
Hadji L., AVCAR M.
ADVANCES IN NANO RESEARCH, vol.10, no.3, pp.281-293, 2021 (SCI-Expanded)
- XIII. **Analysis of orthotropic plates by the two-dimensional generalized FIT method**

- Zhang J., Ullah S., Gao Y., AVCAR M., Civalek O.
COMPUTERS AND CONCRETE, vol.26, no.5, pp.421-427, 2020 (SCI-Expanded)
- XIV. **Analytical solution of free vibration of FG beam utilizing different types of beam theories: A comparative study**
AlSaid-Alwan H. H. S., AVCAR M.
COMPUTERS AND CONCRETE, vol.26, no.3, pp.285-292, 2020 (SCI-Expanded)
- XV. **Finite element modeling of contact between an elastic layer and two elastic quarter planes**
YAYLACI M., AVCAR M.
COMPUTERS AND CONCRETE, vol.26, no.2, pp.107-114, 2020 (SCI-Expanded)
- XVI. **Numerical analysis of the receding contact problem of two bonded layers resting on an elastic half plane**
YAYLACI M., TERZİ C., AVCAR M.
STRUCTURAL ENGINEERING AND MECHANICS, vol.72, no.6, pp.775-783, 2019 (SCI-Expanded)
- XVII. **Free vibration of imperfect sigmoid and power law functionally graded beams**
AVCAR M.
STEEL AND COMPOSITE STRUCTURES, vol.30, no.6, pp.603-615, 2019 (SCI-Expanded)
- XVIII. **Free vibration of functionally graded beams resting on Winkler-Pasternak foundation**
AVCAR M., Mohammed W. K. M.
ARABIAN JOURNAL OF GEOSCIENCES, vol.11, no.10, 2018 (SCI-Expanded)
- XIX. **Effects of Material Non-Homogeneity and Two Parameter Elastic Foundation on Fundamental Frequency Parameters of Timoshenko Beams**
AVCAR M.
ACTA PHYSICA POLONICA A, vol.130, no.1, pp.375-378, 2016 (SCI-Expanded)
- XX. **Effects of rotary inertia shear deformation and non-homogeneity on frequencies of beam**
Avcar M.
STRUCTURAL ENGINEERING AND MECHANICS, vol.55, no.4, pp.871-884, 2015 (SCI-Expanded)
- XXI. **Effects of the Non-Homogeneity and Elastic Medium on the Critical Torsional Load of the Orthotropic Cylindrical Shell**
SOFIYEV A. H., Deniz A., AVCAR M., OZYIGIT P., Omurtag M. H.
ACTA PHYSICA POLONICA A, vol.123, no.4, pp.728-730, 2013 (SCI-Expanded)
- XXII. **On the stability of FGM shells subjected to combined loads with different edge conditions and resting on elastic foundations**
SOFIYEV A. H., ALIZADA A. N., Akin O., Valiyev A., AVCAR M., ADIGUZEL S.
ACTA MECHANICA, vol.223, no.1, pp.189-204, 2012 (SCI-Expanded)
- XXIII. **Stability Analysis of FGM Layered Shells in the Surrounding Medium**
SOFIYEV A. H., SCHNACK E., Deniz A., Zerın Z., AVCAR M.
ACTA PHYSICA POLONICA A, vol.121, no.1, pp.162-164, 2012 (SCI-Expanded)
- XXIV. **The Stability of Cylindrical Shells Containing an FGM Layer Subjected to Axial Load on the Pasternak Foundation**
SOFIYEV A., AVCAR M.
ENGINEERING, vol.2, no.4, pp.228-236, 2010 (SCI-Expanded)
- XXV. **The stability of a three-layered composite conical shell containing a FGM layer subjected to external pressure**
SOFIYEV A., Aksogan O., SCHNACK E., AVCAR M.
MECHANICS OF ADVANCED MATERIALS AND STRUCTURES, vol.15, pp.461-466, 2008 (SCI-Expanded)
- XXVI. **The dynamic stability of orthotropic cylindrical shells with non-homogenous material properties under axial compressive load varying as a parabolic function of time**
SOFIYEV A. H., YUCEL K. T., Avcar M., ZERIN Z.
JOURNAL OF REINFORCED PLASTICS AND COMPOSITES, vol.25, no.18, pp.1877-1886, 2006 (SCI-Expanded)

Articles Published in Other Journals

- I. **A new higher-order mixed four-node quadrilateral finite element for static bending analysis of functionally graded plates**
Van Vinh P., AVCAR M., Belarbi M., Tounsi A., Quang Huy L.
Structures, vol.47, pp.1595-1612, 2023 (Scopus)
- II. **Free Vibration Analysis of FG Porous Sandwich Plates under Various Boundary Conditions**
Hadji L., Avcar M.
Journal of Applied and Computational Mechanics, vol.7, no.2, pp.505-519, 2021 (ESCI)
- III. **Finite Element Modeling of Receding Contact Problem**
YAYLACI M., BAYRAK M. Ç., AVCAR M.
International Journal of Engineering and Applied Sciences, vol.11, no.4, pp.468-475, 2019 (Peer-Reviewed Journal)
- IV. **Numerical Modelling of Wheel on the Snow**
TIĞDEMİR M., JAFARZADYEGANEH M., BAYRAK M. Ç., AVCAR M.
International Journal Of Engineering Applied Sciences, vol.10, no.2, pp.64-72, 2018 (Peer-Reviewed Journal)
- V. **WINKLER ZEMİN VE FONKSİYONEL DERECELENDİRİLMİŞ MALZEME ÖZELLİKLERİNİN KİRİŞİN FREKANS PARAMETRELERİNE ETKİLERİNİN İNCELENMESİ**
AVCAR M., MOHAMMAD W. K.
Mühendislik Bilimleri ve Tasarım Dergisi, vol.5, no.3, pp.573-580, 2017 (Peer-Reviewed Journal)
- VI. **Free Vibration of Functionally Graded Rayleigh Beam**
AVCAR M., Alsaid Alwan H. H. S.
International Journal Of Engineering Applied Sciences, vol.9, no.2, pp.127, 2017 (Peer-Reviewed Journal)
- VII. **Free Vibration of Non-Homogeneous Beam Subjected to Axial Force Resting on Pasternak Foundation**
AVCAR M.
JOURNAL OF POLYTECHNIC-POLITEKNİK DERGISI, vol.19, no.4, pp.507-512, 2016 (ESCI)
- VIII. **Pasternak Zeminde Oturan Eksenel Yüke Maruz Homojen Olmayan Kirişin Serbest Titreşimi**
AVCAR M.
JOURNAL OF POLYTECHNIC-POLITEKNİK DERGISI, vol.19, no.4, pp.507-512, 2016 (Peer-Reviewed Journal)
- IX. **An Artificial Neural Network Application for Estimation of Natural Frequencies of Beams**
AVCAR M., SAPLIOĞLU K.
International Journal of Advanced Computer Science and Applications, vol.6, no.6, pp.94-102, 2015 (ESCI)
- X. **Free Vibration Analysis of Beams Considering Different Geometric Characteristics and Boundary Conditions**
AVCAR M.
International Journal of Mechanics and Applications, vol.4, no.3, pp.94-100, 2014 (Peer-Reviewed Journal)
- XI. **Elastic Buckling of Steel Columns Under Axial Compression**
AVCAR M.
American Journal of Civil Engineering, vol.2, no.3, pp.102-108, 2014 (Peer-Reviewed Journal)
- XII. **Elastik Zemin Üzerinde Bulunan Her İki Ucu Ankastre Mesnetli Rastgele Ve Sürekli Homojen Olmayan Kirişin Titreşim Analizi**
AVCAR M.
Mühendislik Bilimleri ve Tasarım Dergisi, vol.1, no.1, pp.33-38, 2010 (Peer-Reviewed Journal)
- XIII. **The free vibration of non-homogeneous truncated conical shells on a Winkler foundation**
AVEY A., AVCAR M., Özyiğit P., ADIGÜZEL Ş.
International Journal of Engineering and Applied Sciences (IJEAS), vol.1, no.1, pp.34-41, 2009 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Natural frequency analysis of imperfect FG sandwich plates resting on Winkler-Pasternak foundation**
Hadj L., AVCAR M., Zouatnia N.
Polymer and Mediterranean Fiber International Conference (PMFIC), Bejaia, Algeria, 29 - 30 September 2021, vol.53, pp.153-160
- II. **Free Vibration Analysis of Sandwich Beams with Functionally Graded Faces and Homogeneous Core**
AVCAR M., AŞIK A. E.
5th International Conference on Mechanics of Composites (MECHCOMP2019), LIZBON, Portugal, 1 - 04 July 2019, vol.1, pp.132
- III. **Finite Element Modelling of Wheel on the Snow**
TIĞDEMİR M., JAFARZADYEGANEH M., AVCAR M.
4th International Conference on Computational and Experimental Science and Engineering (ICCESEN 2017), 4 - 08 October 2017, vol.1, pp.452
- IV. **Free Vibration Analysis of Functionally Graded Beams Using Different Engineering Theories**
AVCAR M., Alsaid Alwan H. H. S.
4th International Conference on Computational and Experimental Science and Engineering (ICCESEN 2017), 4 - 08 October 2017, vol.1, pp.317
- V. **Effects of Material Non Homogeneity and Two Parameter Elastic Foundation on Fundamental Frequency Parameter of Timoshenko Beams**
AVCAR M.
2nd International Conference on Computational and Experimental Science and Engineering (ICCESEN 2015), 14 - 19 October 2015, pp.288
- VI. **The stability analysis of FGM-Metal-FGM layered cylindrical shells under a lateral pressure**
AVEY A., Zerin Z., Deniz A., AVCAR M., ÖZYİĞİT P., TUĞLU M.
10th International Congress on Advances in Civil Engineering, Ankara, Turkey, 17 - 19 October 2014, pp.1-9
- VII. **On the vibration of sandwich cylindrical shells with FGM face sheets on elastic foundations.**
AVEY A., Deniz A., AVCAR M., ÖZYİĞİT P., Tuğlu M.
International Symposium on Advances in Applied Mechanics and Modern Information Technology, Baku, Azerbaijan, 22 - 23 September 2014, pp.310-314
- VIII. **Fonksiyonel Değişimli Malzemelerle Kaplanmış Metal Silindirik Kabukların Serbest Titreşimi**
AVEY A., BESTELCİ U., AVCAR M., ÖZYİĞİT P.
XVIII. Ulusal Mekanik Kongresi, Manisa, Turkey, 26 - 30 August 2013, pp.82-93
- IX. **The Stability Analysis of FGM Metal FGM Layered Cylindrical Shells Under a Lateral Pressure**
SOFIYEV A., ZERİN Z., DENİZ A., AVCAR M., ÖZYİĞİT P., TUĞLU M.
10th International Congress on Advances in Civil Engineering, Middle East Technical University, Ankara, Turkey, 17 - 19 October 2012, pp.21
- X. **Effects of The Non Homogeneity and Elastic Medium on the Critical Torsional Load of the Orthotropic Cylindrical Shell**
SOFIYEV A., DENİZ A., AVCAR M., ÖZYİĞİT P., TUĞLU M., OMURTAG M. H.
2nd International Advances in Applied Physics and Materials Science Congress APMAS 2012, Antalya, Turkey, 26 - 29 April 2012, pp.72
- XI. **On the Vibration of Sandwich Cylindrical Shells with FGM Face Sheets on Elastic Foundations**
SOFIYEV A., DENİZ A., AVCAR M., ÖZYİĞİT P., TUĞLU M.
International Symposium on Advances in Applied Mechanics and Modern Information Technology, Baku, Azerbaijan, 22 - 23 September 2011, pp.310-314
- XII. **Stability Analysis of FGM Layered Shells in the Surrounding Medium**
SOFIYEV A., ZERİN Z., DENİZ A., AVCAR M., ÖZYİĞİT P.
Advances in Applied Physics and Materials Science Congress APMAS 2011, Antalya, Turkey, 12 - 15 May 2011, pp.43
- XIII. **The Free vibration of symmetrically laminated conical shells with freely supported edges**
AVEY A., Schnack E., Deniz A., Deniz A., AVCAR M.

- International Symposium of Mechanism and Machine Theory, İzmir, Turkey, 5 - 09 October 2010, pp.372-379
- XIV. **The Stability of Continuously Non Homogeneous Spherical Shells Subjected to External Pressure**
SOFIYEV A., ÖZYİĞİT P., AVCAR M., ZERİN Z.
9th International Congress on Advances in Civil Engineering ACE 2010, Trabzon, Turkey, 27 - 30 September 2010, pp.303
- XV. **Elastik Zemin Üzerinde Bulunan Fonksiyonel Değişimli Tabaka İçeren Katmanlı Silindirik Kabukların Uniform Yanal Basınç Yüğü Etkisi Altında Burkulması**
AVEY A., AVCAR M., ÖZYİĞİT P., ADIGÜZEL Ş.
XVI. Ulusal Mekanik Kongre, Kayseri, Kayseri, Turkey, 22 - 26 June 2009, vol.2, pp.259-268
- XVI. **The vibration analysis of random and continuously non-homogenous beams with clamped edges and resting on an elastic foundation**
AVEY A., AVCAR M., Zerin Z.
International Symposium on Engineering and Architectural Sciences of Balkan Architectural Sciences of Balkan, Caucasus and Turkic Republics, Isparta, Turkey, 22 - 24 October 2009, pp.155-159
- XVII. **The Vibration of Freely Supported FG Shell Structures**
AVEY A., AVCAR M., MAMMADOV Z., AY Z., ÖZYİĞİT P.
First International Conference on Seismic safety of Caucasus Region Population, Cities and Settlements, Tiflis, Georgia, 8 - 11 September 2008, pp.174-176
- XVIII. **Elastik Zemin Üzerinde Bulunan Bir Tarafı Ankastre Mesnetli Diğer Tarafı Serbest Homojen Olmayan Kirişin Serbest Titreşimi**
AVEY A., AVCAR M.
XV. Ulusal Mekanik Kongresi, Isparta, Turkey, 3 - 07 September 2007, pp.157-166
- XIX. **Homojen Olmayan Kirişin Eksenel Basınç Yüğü Altında Stabilitesi**
AVEY A., AVCAR M.
15. Yıl Mühendislik -Mimarlık Sempozyumu, Isparta, Turkey, 14 - 16 November 2007, vol.3, pp.15-23
- XX. **The stability of cylindrical shells of variable thickness subject to a dynamic lateral pressure**
AVEY A., Pirmemmedov İ., AY Z., Zerin Z., AVCAR M.
International Symposium on Advances in Earthquake & Structural Engineering,, Antalya, Turkey, 24 - 26 October 2007, pp.406-413
- XXI. **Analytical solution of the stability problem of orthotropic cylindrical shells under linearly increasing dynamic axial loading with various initial conditions**
AVEY A., VEYSOV İ., AVCAR M., Zerin Z.
4th FAE Int. Symposium "Creating The Future", Lefkoşa, Cyprus (Kktc), 30 November - 01 December 2006, pp.111-115
- XXII. **The Stability of a Three Layered Composite Conical Shell Containing a FGM Layer Subjected to External Pressure**
AVEY A., AKSOĞAN O., SCHNACK E., AVCAR M.
International Workshop "Research In Mechanics of Composites 2006", Bad Herrenalb, Germany, 26 - 29 November 2006, pp.42
- XXIII. **Vibration and stability of three-layered cylindrical shells containing Si₃N₄/SUS304 FG layer under lateral pressure**
AVEY A., Valiyev A., Deniz A., AVCAR M.
7th International Congress on Advances in Civil Engineering, İstanbul, Turkey, 11 - 13 October 2006, pp.1-9

Supported Projects

AVCAR M., MOHAMMED W. K. M., Project Supported by Higher Education Institutions, Pasternak Zemine Oturan Fonksiyonel Derecelendirilmiş Kirişin Serbest Titreşimi, 2017 - Continues

AVCAR M., ALWAN H. H. S. A., Project Supported by Higher Education Institutions, Farklı Mühendislik Teorileri İle Fonksiyonel Derecelendirilmiş Kirişin Serbest Titreşim Analizi, 2017 - 2018

AVEY A., AVCAR M., Project Supported by Higher Education Institutions, Kombine Yüklere Etkisi Altında Homojen Olmayan Ortotrop Malzemelerden Oluşan Kayma Deformasyonlu Tabakalı Silindirik Kabukların Stabilitesi, 2008 - 2011
AVEY A., AVCAR M., Project Supported by Higher Education Institutions, Elastik Zemin Üzerinde Bulunan Homojen Olmayan Elastik Kirişin Stabilitesi ve Titreşimi, 2006 - 2007

Activities in Scientific Journals

Journal of Engineering Sciences and Design, Assistant Editor/Section Editor, 2019 - Continues
American Journal of Civil Engineering, Committee Member, 2014 - Continues

Scientific Refereeing

Journal of Innovations in Civil Engineering and Technology , Other Indexed Journal, December 2019
Avrupa Bilim ve Teknoloji Dergisi , Other Indexed Journal, December 2019
Avrupa Bilim ve Teknoloji Dergisi , Other Indexed Journal, December 2019
Composite Materials and Engineering, SCI Journal, November 2019
Coupled Systems Mechanics, SCI Journal, November 2019
Advances in Nano Research , SCI Journal, November 2019
International Symposium on Innovations in Civil Engineering and Technology (ICIVILTECH 2019), Other journals, November 2019
Pamukkale Üniversitesi Mühendislik Bilimleri Dergisi, SCI Journal, October 2019
Computers and Concrete, SCI Journal, October 2019
Journal of Sandwich Structures and Materials, SCI Journal, October 2019
Computers and Concrete, SCI Journal, September 2019
Steel and Composite Structures, SCI Journal, September 2019
Steel and Composite Structures, SCI Journal, September 2019
Computers and Concrete, SCI Journal, September 2019
Steel and Composite Structures, SCI Journal, September 2019
Computers and Concrete, SCI Journal, September 2019
Advances in Nano Research , SCI Journal, August 2019
Advances in Nano Research , SCI Journal, August 2019
Steel and Composite Structures, SCI Journal, August 2019
Steel and Composite Structures, SCI Journal, August 2019
Physica E: Low-dimensional Systems and Nanostructures, SCI Journal, August 2019
Journal of Mechanical Engineering Science, SCI Journal, August 2019
The Journal of Strain Analysis for Engineering Design, SCI Journal, July 2019
Coupled Systems Mechanics, SCI Journal, July 2019
Arabian Journal of Geosciences, SCI Journal, July 2019
International Journal of Computational and Experimental Science and Engineering, Other journals, July 2019
International Journal of Engineering and Applied Sciences, Other Indexed Journal, July 2019
Journal of Engineering Research, SCI Journal, June 2019
Smart Structures and Systems, SCI Journal, June 2019
Journal of Computational Applied Mechanics, SCI Journal, June 2019
Advances in Nano Research , SCI Journal, June 2019
Advances in Nano Research , SCI Journal, June 2019
Structural Engineering and Mechanics, SCI Journal, June 2019
Coupled Systems Mechanics, SCI Journal, June 2019
Geomechanics and Engineering , SCI Journal, June 2019
Composite Materials and Engineering , Other Indexed Journal, June 2019

Journal of Sandwich Structures and Materials, SCI Journal, May 2019
Composite Structures, SCI Journal, May 2019
Steel and Composite Structures, SCI Journal, May 2019
Structural Engineering and Mechanics, SCI Journal, May 2019
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Tasks In Event Organizations

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