

Prof. ABDULLAH AVEY

Personal Information

Email: aavey@ticaret.edu.tr

Web: <https://avesis.ticaret.edu.tr/aavey>

International Researcher IDs

ScholarID: 37o5gk8AAAAJ

ORCID: 0000-0001-7678-6351

Publons / Web Of Science ResearcherID: DVP-0086-2022

ScopusID: 6603803044

Yoksis Researcher ID: 10596

Education Information

Doctorate, Azerbaycan Teknik Üniversitesi Ve Bakü Devlet Üniversitesi, Azerbaycan 1984 - 1989

Undergraduate, Azerbaycan Devlet Pedagoji Üniversitesi, Azerbaycan 1976 - 1980

Research Areas

Mathematical Modeling Techniques, Mechanics of Solid Bodies, Mechanical

Academic and Administrative Experience

Suleyman Demirel University, 2005 - Continues

Courses

Mühendislik Matematiği, Postgraduate, 2020 - 2021

Mühendislik Matematiği II, Undergraduate, 2020 - 2021

Statik, Undergraduate, 2020 - 2021

Mühendislik Matematiği I, Undergraduate, 2020 - 2021

Analitik Mekanik, Postgraduate, 2020 - 2021

Elastik Stabilite Teorisi, Postgraduate, 2020 - 2021

Kompozit Yapı Elemanları Mekaniği, Postgraduate, 2020 - 2021

Dinamik, Undergraduate, 2020 - 2021

Mühendislik Tasarımı, Undergraduate, 2020 - 2021

Kabuklar, Postgraduate, 2020 - 2021

Titreşim Teorisi, Postgraduate, 2013 - 2014

Advising Theses

ABDULLAH A., Fonksiyonel derecelendirilmiş karbon nanotüp desenli polimer plakların burkulmasının kayma deformasyon teorisi çerçevesinde araştırılması, Postgraduate, Ü.KAYA(Student), 2023

ABDULLAH A., İki parametrelili elastik zemin üzerindeki fonksiyonel derecelendirilmiş silindirik kabukların burulma yükü etkisi altında stabilitesi, Postgraduate, R.YENİALP(Student), 2022

ABDULLAH A., Karışık sınır koşulları altındaki fdm silindirik kabukların yanal basınç yükü etkisi altında burkulması, Postgraduate, F.DİKMEN(Student), 2021

ABDULLAH A., Fonksiyonel derecelendirilmiş ortotropik küresel kabukların geometrik doğrusal olmayan zorlanmış titreşim probleminin kayma deformasyonlu kabuk teorisi kullanılarak incelenmesi, Doctorate, F.TURAN(Student), 2020

ABDULLAH A., Karışık sınır koşulları altında fonksiyonel dereceli silindirik kabukların titreşim analizi, Postgraduate, M.SÜZER(Student), 2019

ABDULLAH A., Fonksiyonel değişimli malzemelerle (FDM'ler) kaplı sandviç koni kabukların serbest titreşim davranışının kayma deformasyonlu kabuk teorisi (KDKT) kullanarak incelenmesi, Doctorate, E.OSMANÇELEBİOĞLU(Student), 2018

ABDULLAH A., Enine kayma deformasyonu içeren homojen olmayan anizotrop çapraz tabakalı kesik koni kabukların değişik basınç yükleri etkisi altında burkulma davranışı, Doctorate, P.ÖZYİĞİT(Student), 2015

ABDULLAH A., Winkler elastik zemine oturan ve kayma gerilmeleri içeren homojen olmayan ortotropik dikdörtgen plakların stabilitesi, Postgraduate, A.NADİ(Student), 2015

ABDULLAH A., Fonksiyonel değişimli çekirdeğe sahip üç tabakalı silindirik kabukların parametrik titreşim, Postgraduate, İ.YILDIZ(Student), 2015

ABDULLAH A., Fonksiyonel değişimli ortotrop plakların dinamik tepkisine kayma deformasyonu ve dönел eylemsizlik etkilerinin incelenmesi, Postgraduate, M.PINARLIK(Student), 2014

ABDULLAH A., FDM yüz kaplamalı sandviç silindirik kabukların hidrostatik basınç yükü etkisi altındaki stabilitesi, Postgraduate, B.MERT(Student), 2013

ABDULLAH A., Fonksiyonel değişimli malzemelerle kaplanmış metal silindirik kabukların serbest titreşimi, Postgraduate, U.BESTELCİ(Student), 2013

ABDULLAH A., Kombine yükler etkisi altında homojen olmayan ortotrop malzemelerden oluşan kayma deformasyonlu tabakalı silindirik kabukların stabilitesi, Doctorate, M.AVCAR(Student), 2011

ABDULLAH A., Burulma yükü etkisi altındaki fonksiyonel tabaka içeren üç tabakalı silindirik kabuğun burkulmasına Winkler zemin etkisinin incelenmesi, Postgraduate, ŞADIGÜZEL(Student), 2011

ABDULLAH A., Homojen olmayan elastik küresel kabuğun termal burkulması, Postgraduate, P.ÖZYİĞİT(Student), 2010

ABDULLAH A., Elastik zemin üzerinde bulunan homojen olmayan elastik kirişin stabilite ve titreşimi, Postgraduate, M.AVCAR(Student), 2007

ABDULLAH A., Fonksiyonel değişimli malzemelerden oluşan dairesel konik kabukların zamana bağlı değişen eksenel yük etkisi altında dinamik burkulması, Doctorate, A.DENİZ(Student), 2007

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The Application of the Modified Lindstedt–Poincaré Method to Solve the Nonlinear Vibration Problem of Exponentially Graded Laminated Plates on Elastic Foundations**
Avey M., Tornabene F., Aslanova N. M., AVEY A.
Mathematics, vol.12, no.5, 2024 (SCI-Expanded)
- II. **Nonlinear forced response of doubly-curved laminated panels composed of cnt patterned layers within first order shear deformation theory**
Sofiyev A.
Thin-Walled Structures, vol.193, 2023 (SCI-Expanded)
- III. **Analytical Solution of Stability Problem of Nanocomposite Cylindrical Shells under Combined Loadings in Thermal Environments**
Avey M., Fantuzzi N., Sofiyev A.
Mathematics, vol.11, no.17, 2023 (SCI-Expanded)
- IV. **Stability Analysis of Shear Deformable Inhomogeneous Nanocomposite Cylindrical Shells under Hydrostatic Pressure in Thermal Environment**
Sofiyev A., Fantuzzi N.

Materials, vol.16, no.13, 2023 (SCI-Expanded)

- V. **Thermal Analysis of a Rotating Micropolar Medium Using a Two-Temperature Micropolar Thermoelastic Model with Higher-Order Time Derivatives**
Abouelregal A., Alanazi R., Sofiyev A., Sedighi H.
Physical Mesomechanics, vol.26, no.3, pp.251-266, 2023 (SCI-Expanded)
- VI. **Generalized Heat Equation with the Caputo–Fabrizio Fractional Derivative for a Nonsimple Thermoelastic Cylinder with Temperature-Dependent Properties**
Abouelregal A., Sofiyev A., Sedighi H., Fahmy M.
Physical Mesomechanics, vol.26, no.2, pp.224-240, 2023 (SCI-Expanded)
- VII. **Analytical solution of stability and vibration problem of clamped cylindrical shells containing functionally graded layers within shear deformation theory**
Sofiyev A., Fantuzzi N.
Alexandria Engineering Journal, vol.64, pp.141-154, 2023 (SCI-Expanded)
- VIII. **On the Solution of Dynamic Stability Problem of Functionally Graded Viscoelastic Plates with Different Initial Conditions in Viscoelastic Media**
Sofiyev A.
Mathematics, vol.11, no.4, 2023 (SCI-Expanded)
- IX. **A new approach to solution of stability problem of heterogeneous orthotropic truncated cones with clamped edges within shear deformation theory**
Sofiyev A.
Composite Structures, vol.304, 2023 (SCI-Expanded)
- X. **Thermoelastic stability of CNT patterned conical shells under thermal loading in the framework of shear deformation theory**
Avey M., Fantuzzi N., Sofiyev A.
Mechanics of Advanced Materials and Structures, vol.30, no.9, pp.1828-1841, 2023 (SCI-Expanded)
- XI. **Buckling Behavior of Sandwich Cylindrical Shells Covered by Functionally Graded Coatings with Clamped Boundary Conditions under Hydrostatic Pressure**
Sofiyev A., Fantuzzi N., İPEK C., Tekin G.
Materials, vol.15, no.23, 2022 (SCI-Expanded)
- XII. **Vibration of laminated functionally graded nanocomposite structures considering the transverse shear stresses and rotary inertia**
Avey M., Fantuzzi N., Sofiyev A.
Composite Structures, vol.301, 2022 (SCI-Expanded)
- XIII. **On the Solution of Thermal Buckling Problem of Moderately Thick Laminated Conical Shells Containing Carbon Nanotube Originating Layers**
Avey M., Fantuzzi N., Sofiyev A.
Materials, vol.15, no.21, 2022 (SCI-Expanded)
- XIV. **Size-dependent nonlinear vibration of functionally graded composite micro-beams reinforced by carbon nanotubes with piezoelectric layers in thermal environments**
Gia Phi B., Van Hieu D., Sedighi H. M., Sofiyev A.
Acta Mechanica, vol.233, no.6, pp.2249-2270, 2022 (SCI-Expanded)
- XV. **Influences of elastic foundations on the nonlinear free vibration of composite shells containing carbon nanotubes within shear deformation theory**
Avey M., Fantuzzi N., Sofiyev A., KURUOĞLU N.
Composite Structures, vol.286, 2022 (SCI-Expanded)
- XVI. **Mathematical Modeling and Analytical Solution of Thermoelastic Stability Problem of Functionally Graded Nanocomposite Cylinders within Different Theories**
Mahmure A., Nicholas F., Abdullah S.
Mathematics, vol.10, no.7, 2022 (SCI-Expanded)
- XVII. **Influences of two-parameter elastic foundations on nonlinear free vibration of anisotropic shallow shell structures with variable parameters**

- Sofiyev A., Turan F., Kadioğlu F., Aksogan O., Hui D.
Meccanica, vol.57, no.2, pp.401-414, 2022 (SCI-Expanded)
- XVIII. **Buckling analysis of shear deformable composite conical shells reinforced by CNTs subjected to combined loading on the two-parameter elastic foundation**
Sofiyev A., KURUOĞLU N.
Defence Technology, vol.18, no.2, pp.205-218, 2022 (SCI-Expanded)
- XIX. **Influences of elastic foundations and thermal environments on the thermoelastic buckling of nanocomposite truncated conical shells**
Avey M., Sofiyev A., KURUOĞLU N.
Acta Mechanica, vol.233, no.2, pp.685-700, 2022 (SCI-Expanded)
- XX. **On the primary resonance of non-homogeneous orthotropic structures with viscous damping within shear deformation theory**
Sofiyev A., Turan F., KURUOĞLU N.
Thin-Walled Structures, vol.171, 2022 (SCI-Expanded)
- XXI. **Thermoelastic behavior of an isotropic solid sphere under a non-uniform heat flow according to the MGT thermoelastic model**
Abouelregal A. E., Saidi A., Mohammad-Sedighi H., Shirazi A. H., Sofiyev A.
Journal of Thermal Stresses, vol.45, no.1, pp.12-29, 2022 (SCI-Expanded)
- XXII. **An approach to the solution of nonlinear forced vibration problem of structural systems reinforced with advanced materials in the presence of viscous damping**
Sofiyev A., Avey M., KURUOĞLU N.
Mechanical Systems and Signal Processing, vol.161, 2021 (SCI-Expanded)
- XXIII. **Primary resonance of double-curved nanocomposite shells using nonlinear theory and multi-scales method: Modeling and analytical solution**
Avey M., Sofiyev A., Fantuzzi N., KURUOĞLU N.
International Journal of Non-Linear Mechanics, vol.137, 2021 (SCI-Expanded)
- XXIV. **Nonlinear vibration of multilayer shell-type structural elements with double curvature consisting of CNT patterned layers within different theories**
Avey M., Fantuzzi N., Sofiyev A., KURUOĞLU N.
Composite Structures, vol.275, 2021 (SCI-Expanded)
- XXV. **Modeling photoexcited carrier interactions in a solid sphere of a semiconductor material based on the photothermal Moore-Gibson-Thompson model**
Abouelregal A. E., Sedighi H. M., Sofiyev A.
Applied Physics A: Materials Science and Processing, vol.127, no.11, 2021 (SCI-Expanded)
- XXVI. **Influences of elastic foundations and material gradient on the dynamic response of polymer cylindrical pipes patterned by carbon nanotube subjected to moving pressures**
DENİZ A. R., Avey M., Fantuzzi N., AVEY A., Turkaslan B. E., YÜCE S., Schnack E.
Nanomaterials, vol.11, no.11, 2021 (SCI-Expanded)
- XXVII. **Influences of material gradient and nonlinearity on the forced vibration of orthotropic shell structures**
Sofiyev A., Turan F., KURUOĞLU N.
Composite Structures, vol.271, 2021 (SCI-Expanded)
- XXVIII. **Modeling and solution of large amplitude vibration problem of construction elements made of nanocomposites using shear deformation theory**
DENİZ A., Fantuzzi N., Sofiyev A., KURUOĞLU N.
Materials, vol.14, no.14, 2021 (SCI-Expanded)
- XXIX. **On the nonlinear vibration of heterogenous orthotropic shallow shells in the framework of the shear deformation shell theory**
Sofiyev A., Turan F.
Thin-Walled Structures, vol.161, 2021 (SCI-Expanded)
- XXX. **Large-amplitude vibration of functionally graded orthotropic double-curved shallow spherical and**

hyperbolic paraboloidal shells

Sofiyev A., Turan F., Zerin Z.

International Journal of Pressure Vessels and Piping, vol.188, 2020 (SCI-Expanded)

- XXXI. **The stability of composite conical shells covered by carbon nanotube-reinforced coatings under external pressures**
Sofiyev A., Bayramov R., Heydarov S.
Acta Mechanica, vol.231, no.11, pp.4547-4562, 2020 (SCI-Expanded)
- XXXII. **Influence of elastic foundations and carbon nanotube reinforcement on the hydrostatic buckling pressure of truncated conical shells**
Sofiyev A., Pirmamedov I., KURUOĞLU N.
Applied Mathematics and Mechanics (English Edition), vol.41, no.7, pp.1011-1026, 2020 (SCI-Expanded)
- XXXIII. **On the vibration and stability behaviors of heterogeneous- CNTRC-truncated conical shells under axial load in the context of FSDT**
Sofiyev A.
Thin-Walled Structures, vol.151, 2020 (SCI-Expanded)
- XXXIV. **Buckling behavior of FG-CNT reinforced composite conical shells subjected to a combined loading**
Sofiyev A., Tornabene F., Dimitri R., KURUOĞLU N.
Nanomaterials, vol.10, no.3, 2020 (SCI-Expanded)
- XXXV. **Dynamic behavior of FGM viscoelastic plates resting on elastic foundations**
Sofiyev A., Zerin Z., KURUOĞLU N.
Acta Mechanica, vol.231, no.1, pp.1-17, 2020 (SCI-Expanded)
- XXXVI. **The forced vibration of infinitely long cylinders reinforced by carbon nanotubes subjected to combined internal and ring-shaped compressive pressures**
AVEY A., Bayramov R. P. o., Heydarov S. H. o.
Mathematical Methods in the Applied Sciences, 2020 (SCI-Expanded)
- XXXVII. **Vibration analysis of shear deformable carbon nanotubes-based functionally graded conical shells resting on elastic foundations**
Sofiyev A., Mammadov Z., Dimitri R., Tornabene F.
Mathematical Methods in the Applied Sciences, 2020 (SCI-Expanded)
- XXXVIII. **Analytical solution of stability of FG-CNTRC conical shells under external pressures**
Sofiyev A., ESENCAN TÜRKASLAN B., Bayramov R., SALAMCI M. U.
Thin-Walled Structures, vol.144, 2019 (SCI-Expanded)
- XXXIX. **Influences of shear deformations and material gradient on the linear parametric instability of laminated orthotropic conical shells**
Sofiyev A.
Composite Structures, vol.225, 2019 (SCI-Expanded)
- XL. **Asymptotic analysis of three-dimensional problem of elasticity theory for radially inhomogeneous transversally-isotropic thin hollow spheres**
Akhmedov N., Sofiyev A.
Thin-Walled Structures, vol.139, pp.232-241, 2019 (SCI-Expanded)
- XLI. **On the free vibration of orthotropic and inhomogeneous with spatial coordinates plates resting on the inhomogeneous viscoelastic foundation**
Haciyev V., Sofiyev A., KURUOĞLU N.
Mechanics of Advanced Materials and Structures, vol.26, no.10, pp.886-897, 2019 (SCI-Expanded)
- XLII. **Review of research on the vibration and buckling of the FGM conical shells**
Sofiyev A.
Composite Structures, vol.211, pp.301-317, 2019 (SCI-Expanded)
- XLIII. **The buckling and vibration analysis of coating-FGM-substrate conical shells under hydrostatic pressure with mixed boundary conditions**
Sofiyev A.
Composite Structures, vol.209, pp.686-693, 2019 (SCI-Expanded)

- XLIV. **On the parametric instability of multilayered conical shells using the FOSDT**
Lair J., Hui D., Sofiyev A., Gribniak V., Turan F.
Steel and Composite Structures, vol.31, no.3, pp.277-290, 2019 (SCI-Expanded)
- XLV. **On the vibration and stability of FGM cylindrical shells under external pressures with mixed boundary conditions by using FOSDT**
Sofiyev A., Hui D.
Thin-Walled Structures, vol.134, pp.419-427, 2019 (SCI-Expanded)
- XLVI. **About an approach to the determination of the critical time of viscoelastic functionally graded cylindrical shells**
Sofiyev A.
Composites Part B: Engineering, vol.156, pp.156-165, 2019 (SCI-Expanded)
- XLVII. **On the solution of the dynamic stability of heterogeneous orthotropic visco-elastic cylindrical shells**
Sofiyev A.
Composite Structures, vol.206, pp.124-130, 2018 (SCI-Expanded)
- XLVIII. **Application of the FOSDT to the solution of buckling problem of FGM sandwich conical shells under hydrostatic pressure**
Sofiyev A.
Composites Part B: Engineering, vol.144, pp.88-98, 2018 (SCI-Expanded)
- XLIX. **Application of the first order shear deformation theory to the solution of free vibration problem for laminated conical shells**
Sofiyev A.
Composite Structures, vol.188, pp.340-346, 2018 (SCI-Expanded)
- L. **Free bending vibration analysis of thin bidirectionally exponentially graded orthotropic rectangular plates resting on two-parameter elastic foundations**
Haciyev V., Sofiyev A., KURUOĞLU N.
Composite Structures, vol.184, pp.372-377, 2018 (SCI-Expanded)
- LI. **Determination of the excitation frequencies of laminated orthotropic non-homogeneous conical shells**
Sofiyev A., KURUOĞLU N.
Composites Part B: Engineering, vol.132, pp.151-160, 2018 (SCI-Expanded)
- LII. **The dynamic instability of FG orthotropic conical shells within the SDT**
Sofiyev A., Zerín Z., Allahverdiev B. P., Hui D., Turan F., Erdem H.
Steel and Composite Structures, vol.25, no.5, pp.581-591, 2017 (SCI-Expanded)
- LIII. **Influences of elastic foundations and shear deformations on the buckling behavior of functionally graded material truncated conical shells under axial compression**
Sofiyev A., Kadioğlu F., KURUOĞLU N.
Mechanics of Advanced Materials and Structures, vol.24, no.16, pp.1353-1366, 2017 (SCI-Expanded)
- LIV. **The stability analysis of shear deformable FGM sandwich conical shells under the axial load**
Sofiyev A.
Composite Structures, vol.176, pp.803-811, 2017 (SCI-Expanded)
- LV. **The free vibration of sandwich truncated conical shells containing functionally graded layers within the shear deformation theory**
Sofiyev A., Osmancelebioglu E.
Composites Part B: Engineering, vol.120, pp.197-211, 2017 (SCI-Expanded)
- LVI. **The effect of heterogeneity on the parametric instability of axially excited orthotropic conical shells**
Sofiyev A., Pancar E. B.
Thin-Walled Structures, vol.115, pp.240-246, 2017 (SCI-Expanded)
- LVII. **The nonlinear vibration of orthotropic functionally graded cylindrical shells surrounded by an elastic foundation within first order shear deformation theory**
Sofiyev A., Hui D., Haciyev V., Erdem H., Yuan G., Schnack E., GÜLDAL V.
Composites Part B: Engineering, vol.116, pp.170-185, 2017 (SCI-Expanded)

- LVIII. **Combined effects of transverse shear stresses and nonlinear elastic foundations on the nonlinear dynamic response of heterogeneous orthotropic cylindrical shells**
Sofiyev A., KURUOĞLU N.
Composite Structures, vol.166, pp.153-162, 2017 (SCI-Expanded)
- LIX. **Non-linear vibration of composite orthotropic cylindrical shells on the non-linear elastic foundations within the shear deformation theory**
Sofiyev A., Karaca Z., Zerin Z.
Composite Structures, vol.159, pp.53-62, 2017 (SCI-Expanded)
- LX. **Thermoelastic buckling of FGM conical shells under non-linear temperature rise in the framework of the shear deformation theory**
Sofiyev A., Zerin Z., KURUOĞLU N.
Composites Part B: Engineering, vol.108, pp.279-290, 2017 (SCI-Expanded)
- LXI. **Effects of shear stresses and rotary inertia on the stability and vibration of sandwich cylindrical shells with FGM core surrounded by elastic medium**
Sofiyev A., Hui D., Valiyev A., Kadioğlu F., Turkaslan S., Yuan G., Kalpakci V., ÖZDEMİR A.
Mechanics Based Design of Structures and Machines, vol.44, no.4, pp.384-404, 2016 (SCI-Expanded)
- LXII. **Thermoelastic stability of freely supported functionally graded conical shells within the shear deformation theory**
Sofiyev A.
Composite Structures, vol.152, pp.74-84, 2016 (SCI-Expanded)
- LXIII. **Stability and vibration of sandwich cylindrical shells containing a functionally graded material core with transverse shear stresses and rotary inertia effects**
Sofiyev A., Hui D., Huseynov S., SALAMCI M. U., Yuan G.
Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, vol.230, no.14, pp.2376-2389, 2016 (SCI-Expanded)
- LXIV. **Large amplitude vibration of FGM orthotropic cylindrical shells interacting with the nonlinear Winkler elastic foundation**
Sofiyev A.
Composites Part B: Engineering, vol.98, pp.141-150, 2016 (SCI-Expanded)
- LXV. **Nonlinear free vibration of shear deformable orthotropic functionally graded cylindrical shells**
Sofiyev A.
Composite Structures, vol.142, pp.35-44, 2016 (SCI-Expanded)
- LXVI. **Combined effects of elastic foundations and shear stresses on the stability behavior of functionally graded truncated conical shells subjected to uniform external pressures**
Sofiyev A., KURUOĞLU N.
Thin-Walled Structures, vol.102, pp.68-79, 2016 (SCI-Expanded)
- LXVII. **The stability of FGM truncated conical shells under combined axial and external mechanical loads in the framework of the shear deformation theory**
Sofiyev A., KURUOĞLU N.
Composites Part B: Engineering, vol.92, pp.463-476, 2016 (SCI-Expanded)
- LXVIII. **Parametric vibration of FGM conical shells under periodic lateral pressure within the shear deformation theory**
Sofiyev A.
Composites Part B: Engineering, vol.89, pp.282-294, 2016 (SCI-Expanded)
- LXIX. **Domains of dynamic instability of FGM conical shells under time dependent periodic loads**
Sofiyev A., KURUOĞLU N.
Composite Structures, vol.136, pp.139-148, 2016 (SCI-Expanded)
- LXX. **Buckling of heterogeneous orthotropic composite conical shells under external pressures within the shear deformation theory**
Sofiyev A.
Composites Part B: Engineering, vol.84, pp.175-187, 2016 (SCI-Expanded)

- LXXI. **Buckling analysis of freely-supported functionally graded truncated conical shells under external pressures**
Sofiyev A.
Composite Structures, vol.132, pp.746-758, 2015 (SCI-Expanded)
- LXXII. **Influences of shear stresses and rotary inertia on the vibration of functionally graded coated sandwich cylindrical shells resting on the Pasternak elastic foundation**
Sofiyev A., Hui D., Najafov A., Turkaslan S., Dorofeyskaya N., Yuan G.
Journal of Sandwich Structures and Materials, vol.17, no.6, pp.691-720, 2015 (SCI-Expanded)
- LXXIII. **Combined effects of heterogeneity and non-linearity on the critical time parameters of orthotropic conical shells**
Sofiyev A., Kuruoglu N.
Composite Structures, vol.130, pp.163-173, 2015 (SCI-Expanded)
- LXXIV. **Parametric instability of shear deformable sandwich cylindrical shells containing an FGM core under static and time dependent periodic axial loads**
Sofiyev A., Kuruoglu N.
International Journal of Mechanical Sciences, vol.101-102, pp.114-123, 2015 (SCI-Expanded)
- LXXV. **The effect of mixed boundary conditions on the stability behavior of heterogeneous orthotropic truncated conical shells**
Sofiyev A., Huseynov S., ÖZYİĞİT P., Isayev F.
Meccanica, vol.50, no.8, pp.2153-2166, 2015 (SCI-Expanded)
- LXXVI. **Influences of shear stresses on the dynamic instability of exponentially graded sandwich cylindrical shells**
Sofiyev A.
Composites Part B: Engineering, vol.77, pp.349-362, 2015 (SCI-Expanded)
- LXXVII. **Buckling of non-homogeneous orthotropic conical shells subjected to combined load**
Sofiyev A., Kuruoglu N.
Steel and Composite Structures, vol.19, no.1, pp.1-19, 2015 (SCI-Expanded)
- LXXVIII. **On the vibration and stability of shear deformable FGM truncated conical shells subjected to an axial load**
Sofiyev A.
Composites Part B: Engineering, vol.80, pp.53-62, 2015 (SCI-Expanded)
- LXXIX. **On the solution of the buckling problem of functionally graded truncated conical shells with mixed boundary conditions**
Sofiyev A., Kuruoglu N.
Composite Structures, vol.123, pp.282-291, 2015 (SCI-Expanded)
- LXXX. **Buckling of shear deformable functionally graded orthotropic cylindrical shells under a lateral pressure**
Sofiyev A., DENİZ A., Mecitoğlu Z., ÖZYİĞİT P., PINARLIK M.
Acta Physica Polonica A, vol.127, no.4, pp.907-909, 2015 (SCI-Expanded)
- LXXXI. **Nonlinear behavior of composite truncated conical shells subjected to the dynamic loading**
Najafov A., Kadioğlu F., Mammadov Z., Zerin Z., Sofiyev A., Tekin G.
Acta Physica Polonica A, vol.127, no.4, pp.904-906, 2015 (SCI-Expanded)
- LXXXII. **On a problem of the vibration of functionally graded conical shells with mixed boundary conditions**
Sofiyev A., Kuruoglu N.
Composites Part B: Engineering, vol.70, pp.122-130, 2015 (SCI-Expanded)
- LXXXIII. **Large-amplitude vibration of the geometrically imperfect FGM truncated conical shell**
Sofiyev A., Kuruoglu N.
JVC/Journal of Vibration and Control, vol.21, no.1, pp.142-156, 2015 (SCI-Expanded)
- LXXXIV. **Influence of mixed boundary conditions and heterogeneity on the vibration behavior of orthotropic truncated conical shells**
Sofiyev A., Huseynov S., Kuruoglu N.

- Archives of Mechanics, vol.67, no.4, pp.331-348, 2015 (SCI-Expanded)
- LXXXV. **Dynamic instability of three-layered cylindrical shells containing an FGM interlayer**
Sofiyev A., Kuruoglu N.
Thin-Walled Structures, vol.93, pp.10-21, 2015 (SCI-Expanded)
- LXXXVI. **Stability of EG cylindrical shells with shear stresses on a Pasternak foundation**
Najafov A., Sofiyev A., Hui D., Karaca Z., Kalpakci V., ÖZÇELİK M.
Steel and Composite Structures, vol.17, no.4, pp.453-470, 2014 (SCI-Expanded)
- LXXXVII. **Buckling and vibration of shear deformable functionally graded orthotropic cylindrical shells under external pressures**
Sofiyev A., Kuruoglu N.
Thin-Walled Structures, vol.78, pp.121-130, 2014 (SCI-Expanded)
- LXXXVIII. **On the dynamic buckling of truncated conical shells with functionally graded coatings subject to a time dependent axial load in the large deformation**
Sofiyev A.
Composites Part B: Engineering, vol.58, pp.524-533, 2014 (SCI-Expanded)
- LXXXIX. **Stability analysis of clamped nonhomogeneous shells on the elastic foundation**
Sofiyev A., DENİZ A., ÖZYİĞİT P., PINARLIK M.
Acta Physica Polonica A, vol.125, no.2, pp.459-461, 2014 (SCI-Expanded)
- XC. **On the solution of nonlinear vibration of truncated conical shells covered by functionally graded coatings**
Najafov A., Sofiyev A., Kuruoglu N.
Acta Mechanica, vol.225, no.2, pp.563-580, 2014 (SCI-Expanded)
- XCI. **Non-linear stability of conical shell structures including a functionally graded core**
Sofiyev A., AY Z., Najafov A., Mammadov Z., Schnack E.
Acta Physica Polonica A, vol.125, no.2, pp.192-194, 2014 (SCI-Expanded)
- XCII. **Non-linear dynamic analysis of symmetric and antisymmetric cross-ply laminated orthotropic thin shells**
Najafov A., Sofiyev A., Hui D., Kadioğlu F., Dorofeyskaya N., Huang H.
Meccanica, vol.49, no.2, pp.413-427, 2014 (SCI-Expanded)
- XCIII. **Vibration analysis of nonhomogeneous orthotropic cylindrical shells including combined effect of shear deformation and rotary inertia**
Najafov A., Sofiyev A., Kuruoglu N.
Meccanica, vol.49, no.10, pp.2491-2502, 2014 (SCI-Expanded)
- XCIV. **The influence of non-homogeneity on the frequency-amplitude characteristics of laminated orthotropic truncated conical shell**
Sofiyev A.
Composite Structures, vol.107, no.1, pp.334-345, 2014 (SCI-Expanded)
- XCV. **The vibration and buckling of sandwich cylindrical shells covered by different coatings subjected to the hydrostatic pressure**
Sofiyev A.
Composite Structures, vol.117, no.1, pp.124-134, 2014 (SCI-Expanded)
- XCVI. **Large-amplitude vibration of non-homogeneous orthotropic composite truncated conical shell**
Sofiyev A.
Composites Part B: Engineering, vol.61, pp.365-374, 2014 (SCI-Expanded)
- XCVII. **On the buckling of composite conical shells resting on the Winkler-Pasternak elastic foundations under combined axial compression and external pressure**
Sofiyev A.
Composite Structures, vol.113, no.1, pp.208-215, 2014 (SCI-Expanded)
- XCVIII. **The effect of elastic foundations on the nonlinear buckling behavior of axially compressed heterogeneous orthotropic truncated conical shells**
Sofiyev A.

Thin-Walled Structures, vol.80, pp.178-191, 2014 (SCI-Expanded)

- XCIX. **The combined influences of heterogeneity and elastic foundations on the nonlinear vibration of orthotropic truncated conical shells**
Sofiyev A.
Composites Part B: Engineering, vol.61, pp.324-339, 2014 (SCI-Expanded)
- C. **Combined influences of shear deformation, rotary inertia and heterogeneity on the frequencies of cross-ply laminated orthotropic cylindrical shells**
Sofiyev A., Kuruoglu N.
Composites Part B: Engineering, vol.66, pp.500-510, 2014 (SCI-Expanded)
- CI. **Non-linear buckling of an FGM truncated conical shell surrounded by an elastic medium**
Sofiyev A., Kuruoglu N.
International Journal of Pressure Vessels and Piping, vol.107, pp.38-49, 2013 (SCI-Expanded)
- CII. **Torsional vibration and stability of functionally graded orthotropic cylindrical shells on elastic foundations**
Najafov A., Sofiyev A., Kuruoglu N.
Meccanica, vol.48, no.4, pp.829-840, 2013 (SCI-Expanded)
- CIII. **Effect of a functionally graded interlayer on the non-linear stability of conical shells in elastic medium**
Sofiyev A., Kuruoglu N.
Composite Structures, vol.99, pp.296-308, 2013 (SCI-Expanded)
- CIV. **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., OMURTAG M. H.
Acta Physica Polonica A, vol.123, no.4, pp.728-730, 2013 (SCI-Expanded)
- CV. **On the buckling of the layered cylindrical shell with FGM face sheets subjected to the axial load**
Schnack E., Sofiyev A., Zerin Z.
Acta Physica Polonica A, vol.123, no.4, pp.731-733, 2013 (SCI-Expanded)
- CVI. **The nonlinear dynamic buckling response of functionally graded truncated conical shells**
DENİZ A., Sofiyev A.
Journal of Sound and Vibration, vol.332, no.4, pp.978-992, 2013 (SCI-Expanded)
- CVII. **Torsional vibration and buckling of the cylindrical shell with functionally graded coatings surrounded by an elastic medium**
Sofiyev A., Kuruoglu N.
Composites Part B: Engineering, vol.45, no.1, pp.1133-1142, 2013 (SCI-Expanded)
- CVIII. **Buckling analysis of nonhomogeneous orthotropic thin-walled truncated conical shells in large deformation**
Sofiyev A., Kuruoglu N.
Thin-Walled Structures, vol.62, pp.131-141, 2013 (SCI-Expanded)
- CIX. **The non-linear dynamics of FGM truncated conical shells surrounded by an elastic medium**
Najafov A., Sofiyev A.
International Journal of Mechanical Sciences, vol.66, pp.33-44, 2013 (SCI-Expanded)
- CX. **Vibration analysis of FGM truncated and complete conical shells resting on elastic foundations under various boundary conditions**
Sofiyev A., Kuruoglu N.
Journal of Engineering Mathematics, vol.77, no.1, pp.131-145, 2012 (SCI-Expanded)
- CXI. **Effect of the two-parameter elastic foundation on the critical parameters of nonhomogeneous orthotropic shells**
Sofiyev A., Schnack E., Hacıyev V., Kuruoglu N.
International Journal of Structural Stability and Dynamics, vol.12, no.5, 2012 (SCI-Expanded)
- CXII. **Stress analysis of a substrate coated by nanomaterials with vacancies subjected to uniform extension load**

- Alizada A., Sofiyev A., Kuruoglu N.
Acta Mechanica, vol.223, no.7, pp.1371-1383, 2012 (SCI-Expanded)
- CXIII. **Thermal buckling analysis of non-homogenous shallow spherical shells Homojen olmayan siğ küresel kabuğun termal burkulma analizi**
AVEY A., ÖZYİÇİT P.
Journal of the Faculty of Engineering and Architecture of Gazi University, vol.27, no.2, pp.397-405, 2012 (SCI-Expanded)
- CXIV. **The vibration analysis of FGM truncated conical shells resting on two-parameter elastic foundations**
Sofiyev A., Schnack E.
Mechanics of Advanced Materials and Structures, vol.19, no.4, pp.241-249, 2012 (SCI-Expanded)
- CXV. **The non-linear vibration of FGM truncated conical shells**
Sofiyev A.
Composite Structures, vol.94, no.7, pp.2237-2245, 2012 (SCI-Expanded)
- CXVI. **The effect of non-homogeneity on the non-linear buckling behavior of laminated orthotropic conical shells**
Sofiyev A., Najafov A., Kuruoğlu N.
Composites Part B: Engineering, vol.43, no.3, pp.1196-1206, 2012 (SCI-Expanded)
- CXVII. **Stability analysis of FGM layered shells in the surrounding medium**
Sofiyev A., Schnack E., DENİZ A., Zerir Z., AVCAR M.
Acta Physica Polonica A, vol.121, no.1, pp.162-164, 2012 (SCI-Expanded)
- CXVIII. **On the stability of FGM shells subjected to combined loads with different edge conditions and resting on elastic foundations**
Sofiyev A., Alizada A., Akin Ö., Valiyev A., AVCAR M., Adiguzel S.
Acta Mechanica, vol.223, no.1, pp.189-204, 2012 (SCI-Expanded)
- CXIX. **Thermal buckling of FGM shells resting on a two-parameter elastic foundation**
Sofiyev A.
Thin-Walled Structures, vol.49, no.10, pp.1304-1311, 2011 (SCI-Expanded)
- CXX. **Modified Young's moduli of nano-materials taking into account the scale effects and vacancies**
Alizada A., Sofiyev A.
Meccanica, vol.46, no.5, pp.915-920, 2011 (SCI-Expanded)
- CXXI. **On the mechanics of deformation and stability of the beam with a nanocoating**
Alizada A., Sofiyev A.
Journal of Reinforced Plastics and Composites, vol.30, no.18, pp.1583-1595, 2011 (SCI-Expanded)
- CXXII. **Natural frequency of laminated orthotropic shells with different boundary conditions and resting on the Pasternak type elastic foundation**
Sofiyev A., Kuruoglu N.
Composites Part B: Engineering, vol.42, no.6, pp.1562-1570, 2011 (SCI-Expanded)
- CXXIII. **Influence of the initial imperfection on the non-linear buckling response of FGM truncated conical shells**
Sofiyev A.
International Journal of Mechanical Sciences, vol.53, no.9, pp.753-761, 2011 (SCI-Expanded)
- CXXIV. **Non-linear buckling behavior of FGM truncated conical shells subjected to axial load**
Sofiyev A.
International Journal of Non-Linear Mechanics, vol.46, no.5, pp.711-719, 2011 (SCI-Expanded)
- CXXV. **Analytical solution of the dynamic behavior of non-homogenous orthotropic cylindrical shells on elastic foundations under moving loads**
Sofiyev A., Halilov H., Kuruoglu N.
Journal of Engineering Mathematics, vol.69, no.4, pp.359-371, 2011 (SCI-Expanded)
- CXXVI. **On the vibration and stability of clamped FGM conical shells under external loads**
Sofiyev A.
Journal of Composite Materials, vol.45, no.7, pp.771-788, 2011 (SCI-Expanded)

- CXXXVII. **Influences of elastic foundations and boundary conditions on the buckling of laminated shell structures subjected to combined loads**
Sofiyev A.
Composite Structures, vol.93, no.8, pp.2126-2134, 2011 (SCI-Expanded)
- CXXXVIII. **The non-linear buckling analysis of cross-ply laminated orthotropic truncated conical shells**
Sofiyev A., Kuruoglu N.
Composite Structures, vol.93, no.11, pp.3006-3012, 2011 (SCI-Expanded)
- CXXXIX. **The buckling of FGM truncated conical shells subjected to axial compressive load and resting on Winkler-Pasternak foundations**
Sofiyev A.
International Journal of Pressure Vessels and Piping, vol.87, no.12, pp.753-761, 2010 (SCI-Expanded)
- CXXX. **Dynamic response of an FGM cylindrical shell under moving loads**
Sofiyev A.
Composite Structures, vol.93, no.1, pp.58-66, 2010 (SCI-Expanded)
- CXXXI. **Buckling analysis of FGM circular shells under combined loads and resting on the Pasternak type elastic foundation**
Sofiyev A.
Mechanics Research Communications, vol.37, no.6, pp.539-544, 2010 (SCI-Expanded)
- CXXXII. **The vibration and stability of non-homogeneous orthotropic conical shells with clamped edges subjected to uniform external pressures**
Sofiyev A., Kuruoglu N., Halilov H.
Applied Mathematical Modelling, vol.34, no.7, pp.1807-1822, 2010 (SCI-Expanded)
- CXXXIII. **On the solution of eigenvalue problems of laminated non-homogeneous orthotropic circular shells with clamped edges subjected to hydrostatic pressure**
Sofiyev A., Kuruoglu N., Isayev F.
Acta Mechanica, vol.212, no.1-2, pp.93-114, 2010 (SCI-Expanded)
- CXXXIV. **Finite element analysis of functionally graded plates for coupling effect of extension and bending**
Orakdöğen E., Küçükarslan S., AVEY A., OMURTAG M. H.
Meccanica, vol.45, no.1, pp.63-72, 2010 (SCI-Expanded)
- CXXXV. **The buckling of FGM truncated conical shells subjected to combined axial tension and hydrostatic pressure**
Sofiyev A.
Composite Structures, vol.92, no.2, pp.488-498, 2010 (SCI-Expanded)
- CXXXVI. **The vibration and buckling of freely supported non-homogeneous orthotropic conical shells subjected to different uniform pressures**
Sofiyev A., Korkmaz K., Mammadov Z., Kamanli M.
International Journal of Pressure Vessels and Piping, vol.86, no.10, pp.661-668, 2009 (SCI-Expanded)
- CXXXVII. **The vibration and stability behavior of freely supported FGM conical shells subjected to external pressure**
Sofiyev A.
Composite Structures, vol.89, no.3, pp.356-366, 2009 (SCI-Expanded)
- CXXXVIII. **The vibration and buckling of laminated non-homogeneous orthotropic conical shells subjected to external pressure**
Sofiyev A., Karaca Z.
European Journal of Mechanics, A/Solids, vol.28, no.2, pp.317-328, 2009 (SCI-Expanded)
- CXXXIX. **The vibration and stability of orthotropic conical shells with non-homogeneous material properties under a hydrostatic pressure**
Sofiyev A., OMURTAG M. H., Schnack E.
Journal of Sound and Vibration, vol.319, no.3-5, pp.963-983, 2009 (SCI-Expanded)
- CXL. **Buckling of FGM hybrid truncated conical shells subjected to hydrostatic pressure**
Sofiyev A., Kuruoglu N., Turkmen M.

- Thin-Walled Structures, vol.47, no.1, pp.61-72, 2009 (SCI-Expanded)
- CXLI. **The stability of a thin three-layered composite truncated conical shell containing an FGM layer subjected to non-uniform lateral pressure**
Sofiyev A., Zerín Z., Korkmaz A.
Composite Structures, vol.85, no.2, pp.105-115, 2008 (SCI-Expanded)
- CXLII. **The stability of a three-layered composite conical shell containing a FGM layer subjected to external pressure**
AVEY A., Aksogan O., Schnack E., AVCAR M.
Mechanics of Advanced Materials and Structures, vol.15, no.6-7, pp.461-466, 2008 (SCI-Expanded)
- CXLIII. **Vibration and stability of composite cylindrical shells containing a FG layer subjected to various loads**
Sofiyev A.
Structural Engineering and Mechanics, vol.27, no.3, pp.365-391, 2007 (SCI-Expanded)
- CXLIV. **The buckling of functionally graded truncated conical shells under dynamic axial loading**
Sofiyev A.
Journal of Sound and Vibration, vol.305, no.4-5, pp.808-826, 2007 (SCI-Expanded)
- CXLV. **Thermoelastic stability of functionally graded truncated conical shells**
Sofiyev A.
Composite Structures, vol.77, no.1, pp.56-65, 2007 (SCI-Expanded)
- CXLVI. **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., YÜCEL K. T., AVCAR M., Zerín Z.
Journal of Reinforced Plastics and Composites, vol.25, no.18, pp.1877-1886, 2006 (SCI-Expanded)
- CXLVII. **Elasto-plastic stability of circular cylindrical shells subjected to axial load, varying as a power function of time**
Sofiyev A., Schnack E., Demír F.
Structural Engineering and Mechanics, vol.24, no.5, pp.621-639, 2006 (SCI-Expanded)
- CXLVIII. **Semi-analytical solution of stability of composite orthotropic cylindrical shells undertime dependent a-periodic axialcompressive load**
AVEY A., Sofiyev A., Yusufoglu E., Karaca Z.
Iranian Journal of Science and Technology, Transaction A: Science, vol.30, no.3, pp.343-347, 2006 (SCI-Expanded)
- CXLIX. **The vibration and stability of a three-layered conical shell containing an FGM layer subjected to axial compressive load**
Sofiyev A., Deniz A., AKÇAY İ. H., Yusufoğlu E.
Acta Mechanica, vol.183, no.3-4, pp.129-144, 2006 (SCI-Expanded)
- CL. **The stability of compositionally graded ceramic-metal cylindrical shells under aperiodic axial impulsive loading**
Sofiyev A.
Composite Structures, vol.69, no.2, pp.247-257, 2005 (SCI-Expanded)
- CLI. **The torsional buckling analysis for cylindrical shell with material non-homogeneity in thickness direction under impulsive loading**
Sofiyev A.
Structural Engineering and Mechanics, vol.19, no.2, pp.231-236, 2005 (SCI-Expanded)
- CLII. **The stability of functionally graded cylindrical shells under linearly increasing dynamic torsional loading**
Sofiyev A., Schnack E.
Engineering Structures, vol.26, no.10, pp.1321-1331, 2004 (SCI-Expanded)
- CLIII. **The stability of functionally graded truncated conical shells subjected to aperiodic impulsive loading**
Sofiyev A.
International Journal of Solids and Structures, vol.41, no.13, pp.3411-3424, 2004 (SCI-Expanded)
- CLIV. **Buckling of a conical thin shell with variable thickness under a dynamic loading**

- Sofiyev A., Aksogan O.
Journal of Sound and Vibration, vol.270, no.4-5, pp.903-915, 2004 (SCI-Expanded)
- CLV. **Effects of elastic foundation on the vibration of laminated non-homogeneous orthotropic circular cylindrical shells**
Sofiyev A., KESKİN S. N., Sofiyev A. H.
Shock and Vibration, vol.11, no.2, pp.89-101, 2004 (SCI-Expanded)
- CLVI. **Dynamic buckling of functionally graded cylindrical thin shells under non-periodic impulsive loading**
Sofiyev A.
Acta Mechanica, vol.165, no.3-4, pp.151-163, 2003 (SCI-Expanded)
- CLVII. **Torsional buckling of cross-ply laminated orthotropic composite cylindrical shells subject to dynamic loading**
Sofiyev A.
European Journal of Mechanics, A/Solids, vol.22, no.6, pp.943-951, 2003 (SCI-Expanded)
- CLVIII. **Buckling of an orthotropic cylindrical thin shell with continuously varying thickness under a dynamic loading**
Sofiyev A., KESKİN E., Erdem H., Zerir Z.
Indian Journal of Engineering and Materials Sciences, vol.10, no.5, pp.365-370, 2003 (SCI-Expanded)
- CLIX. **The buckling of cross-ply laminated non-homogeneous orthotropic composite conical thin shells under a dynamic external pressure**
Sofiyev A., Schnack E.
Acta Mechanica, vol.162, no.1-4, pp.29-40, 2003 (SCI-Expanded)
- CLX. **The buckling of an orthotropic composite truncated conical shell with continuously varying thickness subject to a time dependent external pressure**
Sofiyev A.
Composites Part B: Engineering, vol.34, no.3, pp.227-233, 2003 (SCI-Expanded)
- CLXI. **Non-linear free vibration analysis of laminated non-homogeneous orthotropic cylindrical shells**
Sofiyev A., Aksogan O.
Proceedings of the Institution of Mechanical Engineers, Part K: Journal of Multi-body Dynamics, vol.217, no.4, pp.293-300, 2003 (SCI-Expanded)
- CLXII. **Dynamic buckling of a cylindrical shell with variable thickness subject to a time-dependent external pressure varying as a power function of time**
Aksogan O., AVEY A.
Journal of Sound and Vibration, vol.254, no.4, pp.693-702, 2002 (SCI-Expanded)
- CLXIII. **The dynamic stability of a laminated truncated conical shell with variable elasticity moduli and densities subject to a time-dependent external pressure**
Aksogan O., AVEY A.
Journal of Strain Analysis for Engineering Design, vol.37, no.3, pp.201-210, 2002 (SCI-Expanded)
- CLXIV. **The buckling of a cross-ply laminated non-homogeneous orthotropic composite cylindrical thin shell under time dependent external pressure**
AVEY A.
Structural Engineering and Mechanics, vol.14, no.6, pp.661-677, 2002 (SCI-Expanded)
- CLXV. **The dynamic stability of a nonhomogeneous orthotropic elastic truncated conical shell under a time dependent external pressure**
AVEY A., Aksogan O.
Structural Engineering and Mechanics, vol.13, no.3, pp.329-343, 2002 (SCI-Expanded)

Articles Published in Other Journals

- I. **Vibration Behaviour of Shear Deformable Laminated Plates Composed of Non-Homogeneous Layers**
AVEY A., VERGÜL T., Khalilov I.

Journal of Computational Applied Mechanics, vol.55, no.2, pp.201-208, 2024 (ESCI)

- II. **Buckling behavior of multilayer cylindrical shells composed of functionally graded nanocomposite layers under lateral pressure in thermal environments**
Avey M., Fantuzzi N., Sofiyev A., Zamanov A., Hasanov Y., Schnack E.
Composites Part C: Open Access, vol.12, 2023 (Scopus)
- III. **Buckling Behavior of Nanocomposite Plates with Functionally Graded Properties under Compressive Loads in Elastic and Thermal Environments**
İPEK C., Sofiyev A., Fantuzzi N., Efendiyeva S. P.
Journal of Applied and Computational Mechanics, vol.9, no.4, pp.974-986, 2023 (ESCI)
- IV. **ON THE TORSIONAL BUCKLING MOMENT OF CYLINDRICAL SHELLS CONSISTING OF FUNCTIONALLY GRADED MATERIALS RESTING ON THE PASTERNAK-TYPE SOIL** Pasternak tipli qruntda yerləşən funksional qradasiyalı materiallardan (FGM) hazırlanmış silindrik örtüklərin böhran burucu momenti haqqında **О критическом крутящем моменте цилиндрических оболочек из функциональноградируемых материалов (FGM), опирающихся на грунт типа Пастернака**
Sofiyev A., Kadioğlu F., Khalilov I., Sedighi H., Vergul T., Yenialp R.
SOCAR Proceedings, no.1, pp.16-22, 2022 (ESCI)
- V. **Buckling Analysis Of Functionally Graded Shells Under Mixed Boundary Conditions Subjected To Uniform Lateral Pressure**
AVEY A., Dikmen F.
Journal of Applied and Computational Mechanics, vol.7, no.1, pp.345-354, 2021 (ESCI)
- VI. **FDM silindirik kabukların karma sınır koşullarında dinamik tepkisinin incelenmesi**
AVEY A., Süzer M.
ENGINEERING SCIENCES, vol.8, no.3, pp.1-15, 2019 (Peer-Reviewed Journal)
- VII. **Vibration and stability of axially compressed truncated conical shells with functionally graded middle layer surrounded by elastic medium**
Najafov A., AVEY A., ÖZYİĞİT P., YÜCEL K. T.
JVC/Journal of Vibration and Control, vol.20, no.2, pp.303-320, 2014 (Scopus)
- VIII. **Torsional stability of cylindrical shells with functionally graded middle layer on the winkler elastic foundation**
Sofiyev A., Adiguzel S.
Journal of Solid Mechanics, vol.3, no.3, pp.218-227, 2012 (Scopus)
- IX. **The buckling of non-homogeneous truncated conical shells under a lateral pressure and resting on a winkler foundation**
Sofiyev A., Valiyev A., ÖZYİĞİT P.
Journal of Solid Mechanics, vol.1, no.1, pp.14-21, 2009 (Scopus)
- X. **The Dynamic Stability of Cylindrical Shells with Variable Geometric and Mechanical Parameters**
Sofiyev A., Birinci F., Sofiyev A. H., Yusufoglu E.
Multidiscipline Modeling in Materials and Structures, vol.2, no.3, pp.345-354, 2006 (Scopus)
- XI. **The buckling of laminated cylindrical thin shells under torsion varying as a linear function of time**
Sofiyev A., Zerin Z., Türkmen M.
Turkish Journal of Engineering and Environmental Sciences, vol.27, no.4, pp.237-245, 2003 (Scopus)
- XII. **Dynamic buckling of an elastic orthotropic conical shell whose thickness varies as a power function**
Sofiyev A., Aksogan O.
Teknik Dergi/Technical Journal of Turkish Chamber of Civil Engineers, vol.13, no.DECEMBER, pp.797-812, 2002 (Scopus)
- XIII. **Dynamic buckling of an elastic orthotropic conical shell whose thickness varies as a power function** Kalınlığı Kuvvet Fonksiyonuyla Değişen Elastik Ortotrop Konik Kabuğun Dinamik Burkulması
Sofiyev A., Aksoğan O.
Teknik Dergi/Technical Journal of Turkish Chamber of Civil Engineers, vol.13, no.2, pp.2675-2690, 2002 (Scopus)
- XIV. **The stability of non-homogeneous elastic cylindrical thin shells with variable thickness under a dynamic external pressure** Değişken Kalınlıklı Homojen Olmayan Elastik Silindirik İnce Kabukların

Dinamik Diş Basiç Yükü Etkisi Altında Stabilitesi

AVEY A., Erdem H.

Turkish Journal of Engineering and Environmental Sciences, vol.26, no.2, pp.155-165, 2002 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **KARBON NANOTÜP DESENİ POLİMER PLAKLARIN STABİLİTESİNİN KAYMA DEFORMASYON TEORİSİ ÇERÇEVESİNDE ARAŞTIRILMASI**
AVEY A., KAYA Ü., VERGÜL T., HASANOV Y.
23. Ulusal Mekanik Kongresi, Konya, Turkey, 04 September 2023, vol.1, pp.71-81
- II. **Modeling of Functionally Graded Coatings and Applications in Sandwich Structures**
AVEY A.
74th International Astronautical Congress, IAC 2023, Baku, Azerbaijan, 2 - 06 October 2023, vol.2023-October
- III. **Stability behavior of nanocomposite cylindrical shells under lateral pressure in elastic and thermal environments**
AVEY A.
International Conference in Engineering Sciences, Baku, Azerbaijan, 11 November 2022, vol.1, pp.1-6
- IV. **Modeling and solution of buckling problem of ceramic cylindrical shells covered by functionally graded coatings and their industrial applications**
AVEY A., ÖZÜĞURLU E., İPEK C.
8th International Conference on Control and Optimization with Industrial Application, Baku, Azerbaijan, 24 August 2022, vol.1, pp.399-401
- V. **Analysis of the elastic foundation effect on buckling of functionally graded cylindrical shells under torsional load,**
AVEY A., Yenialp R.
“Machine building and Energy: New Concepts and Technologies” International Scientific practical Conference 2021, Baku, Azerbaijan, 02 December 2021, vol.1, pp.95-97
- VI. **Karbon Nanotüplerle Güçlendirilmiş Kompozit Kabuklar**
AVEY A.
22. Ulusal Mekanik Kongre, 6-10 Eylül, 2021, Çukurova Üniversitesi Adana, Adana, Turkey, 06 September 2021, vol.1
- VII. **Winkler zemini üzerindeki karbon nanotüpler içeren ince sığ silindirik panellerin lineer olmayan davranışları s.207-215, 2021.**
AVEY A., TURAN F.
22. Ulusal Mekanik Kongre, 6-10 Eylül 2021, Çukurova Üniversitesi, Adana, Adana, Turkey, 06 September 2021, vol.1, pp.207-215
- VIII. **Vibration Analysis of Multilayer Double-Curved Structural Systems Containing CNT Patterned Layers in the Framework of Different Shell Theories**
AVEY M., AVEY A., Fantuzzi N., KURUOĞLU N.
MECHCOMP7 - 7th International Conference on Mechanics of Composites 2021, Porto, Portugal, 01 September 2021, vol.1, pp.80
- IX. **Fonksiyonel derecelendirilmiş karbon nanotüp takviyeli kompozit kabukların modellenmesi ve davranışları.**
AVEY A., Pirmamedov I.
Azerbaycan ve Türkiye Üniversiteleri: Eğitim, Bilim, Teknoloji, I. Uluslararası Bilimsel-Teknik Konferansı, Baku, Azerbaijan, 18 - 20 December 2019, vol.3, pp.450-455
- X. **Stability of Layered Cylindrical shells with FGM Interlayer Subjected to Combined Load Under Mixed Boundary Conditions**
Razim B., AVEY A., Dikmen F.
3th International Conference on Engineering Technologies (ICENTE'xx19), Konya, Turkey, 25 - 27 October 2019,

pp.462-465

- XI. **Karışık sınır koşulları altında fonksiyonel derecelendirilmiş silindirik kabukların titreşim analizi**
AVEY A., Süzer M.
XXI. Ulusal Mekanik Kongresi, Niğde, Turkey, 2 - 06 September 2019, pp.915-924
- XII. **Homojen olmayan küresel kabukların titreşim analizi**
AVEY A., ZERİN Z., TURAN F.
XXI. Ulusal Mekanik Kongresi, Niğde, Turkey, 2 - 06 September 2019, pp.313-320
- XIII. **ON THE SOLUTION OF THE STABILITY PROBLEM OF THREE-LAYERSYSTEMS WITH FUNCTIONALLY GRADED (FG) INTERLAYER IN THE INDUSTRIAL APPLICATIONS**
AVEY A., NAJAFOV A.
The 6th International Conference on Control and Optimization with Industrial Applications, Baku, Azerbaijan, 11 - 13 July 2018, vol.1, pp.104-106
- XIV. **Stability analysis of orthotropic conical shells resting on Winkler elastic foundation based on the FOSDST**
AVEY A., NAJAFOV A.
INTERNATIONAL SYMPOSIUM OF MECHANISM AND MACHINE SCIENCE (ISMMS-2017), Baku, Azerbaijan, 11 - 14 September 2017, pp.64-66
- XV. **On The Solution Of Eigenvalue Problem Of Complete Conical Shell With Functionally Graded Coatings And Metal-Rich Core**
AVEY A., DENİZ A., MECİTOĞLU Z.
International Conference on Mathematics and Mathematics Education (ICMME-2017), Urfa, Turkey, 11 - 13 May 2017, pp.565-566
- XVI. **BUCKLING ANALYSIS OF ORTHOTROPIC COMPLETE CONICAL SHELLS SUBJECTED TO LATERAL PRESSURE WITHIN SHEAR DEFORMATION THEORY**
AVEY A., ZERİN Z., MAMMADOV Z., TURAN F., MECİTOĞLU Z., KHANALI S.
2nd INTERNATIONAL CONFERENCE ON CIVIL AND ENVIRONMENTAL ENGINEERING, Nevşehir, Turkey, 8 - 10 May 2017, pp.398-403
- XVII. **Vibration analysis of functionally graded orthotropic plates considering transverse shear deformations and rotary inertia**
AVEY A., MAMMADOV Z., ZERİN Z., DENİZ A.
International Scientific-Technical Conference "Intellectual Technologies in Mechanical Engineering", 28 - 30 September 2016
- XVIII. **On the solution of the stability problem of sandwich cylindrical shells with FGM core interacting with elastic foundations**
AVEY A.
International Scientific-Technical Conference "Intellectual Technologies in Mechanical Engineering", 28-30 September 2016, Baku, Azerbaijan, 28 - 30 September 2016
- XIX. **On the Solution of the Eigenvalue Problem of Shear Deformable Functionally Graded Shells**
AVEY A., PAŞAOĞLU B.
VII International Conference of the Georgian Mathematical Union and Georgian Mechanical Union, 5 - 09 September 2016
- XX. **Kayma gerilmeleri içeren FDM çekirdeğe sahip sandviç silindirik kabukların eksenel basınç yükü etkisi altında stabilitesi**
AVEY A., DENİZ A., ÖZYİĞİT P., OSMANÇELEBİOĞLU E., KAPLAN A. N., Yılmaz D.
XIX. Ulusal Mekanik Kongresi, Trabzon, Turkey, 24 - 28 August 2015
- XXI. **Fonksiyonel değişimli malzemelerle ilgili gelişmeler ve FDM içeren kabukların lineer olmayan stabilite ve titreşim analizleri**
AVEY A.
XIX. Ulusal Mekanik Kongresi, Trabzon, Turkey, 24 - 28 August 2015
- XXII. **Fonksiyonel değişimli malzemelerle kaplanmış metal silindirik kabukların serbest titreşimi**
AVEY A., Bestelci U., AVCAR M., ÖZYİĞİT P.

- XVIII. Ulusal Mekanik Kongresi, 26-30 Ağustos, 2013, Manisa, Manisa, Turkey, 26 August 2013, pp.82-93
- XXIII. **The stability analysis of FGM-Metal-FGM layered cylindrical shells under a lateral pressure**
AVEY A., ZERİN Z., DENİZ A., AVCAR M., ÖZYİĞİT P., Tuğlu M.
10th International Congress on Advances in Civil Engineering, 17-19 October 2012 Middle East Technical University, Ankara, Ankara, Turkey, 17 October 2012, pp.1-9
- XXIV. **On the solution of vibration (eigenvalue) problem of ceramic cylindrical shells with FG coatings**
DENİZ A., AVEY A.
IECMSA-2012 1st International Eurasian Conference on Mathematical Sciences and Applications. Proceedings Book. 03-07 September 2012, Prishtine, Kosovo, Prishtina, Serbia, 03 September 2012, pp.82-83
- XXV. **The free vibration of symmetrically laminated conical shells with freely supported edges**
AVEY A., Schnack E., DENİZ A., AVCAR M.
International Symposium of Mechanism and Machine Theory, 2010 AzCIFTtoMM – Izmir Institute of Technology, İzmir, Turkey, 05 October 2011, pp.372-377
- XXVI. **On the stability of the orthotropic shells under hydrostatic pressure and surrounded by an elastic medium**
AVEY A., Valiyev A., MAMMADOV Z., Shayev Z.
Symposium on Advances in Applied Mechanics and Modern Information Technology, 22-23 September 2011, Baku, Azerbaijan, Baku, Azerbaijan, 22 September 2011, pp.305-309
- XXVII. **The stability of orthotropic conical shells subjected to combined axial extension load and hydrostatic pressure**
AVEY A., Valiyev A.
International Symposium on Engineering and Architectural Sciences of Balkan, Caucasus and Turkic Republics, Sileyman Demirel University, Isparta, Turkey, 22 October 2009, vol.3, pp.149-154
- XXVIII. **The vibration analysis of simply supported FGM truncated conical shells resting on two-parameter elastic foundations**
AVEY A., KORKMAZ K. A., Schnack E.
IRF'2009 - 3rd International Conference on Integrity, Reliability and Failure, Porto, Portugal, Porto, Portugal, 20 July 2009, pp.277-278
- XXIX. **ELASTİK ZEMİN ÜZERİNDE BULUNAN FONKSİYONEL DEĞİŞİMLİ TABAKA İÇEREN KATMANLI SİLİNDİRİK KABUKLARIN UNIFORM YANAL BASINÇ YÜKÜ ETKİSİ ALTINDA BURKULMASI**
AVEY A., AVCAR M., ÖZYİĞİT P., ADIGÜZEL Ş.
XVI. Ulusal Mekanik Kongre, 22-26 Haziran, 2009, Kayseri, Kayseri, Turkey, 22 June 2009, pp.259-267
- XXX. **ANKASTRE MESNETLİ HOMOJEN OLMAYAN ELASTİK KONİK KABUKLARIN SERBEST TİTREŞİMİ**
AVEY A., Şayev Z., DENİZ A., ZERİN Z.
XVI. Ulusal Mekanik Kongre, 22-26 Haziran, 2009, Kayseri, Kayseri, Turkey, 22 June 2009, pp.259-267
- XXXI. **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 Kiriak Zavriv Institute of Structural Mechanics and Earthquake Engineering, Tbilisi, Georgia, Tiflis, Georgia, 08 September 2008, pp.174-176
- XXXII. **The stability and vibration of conical shells composed of SI3N4 and SUS304 under axial compressive load**
AVEY A., DENİZ A.
7th International Conference on Vibration Problems (ICOVP-2005), Istanbul, İstanbul, Turkey, 05 September 2005, pp.437-442
- XXXIII. **Free vibrations of cross-ply laminated non-homogeneous composite truncated conical shells**
AKSOĞAN O., AVEY A.
7th International Conference on Vibration Problems (ICOVP-2005), Istanbul, İstanbul, Turkey, 05 September 2005, pp.21-26
- XXXIV. **Dynamic buckling of elasto-plastic cylindrical shells under axial load**
AVEY A., Schnack E.

7th International Conference on Vibration Problems (ICOVP-2005), Istanbul, İstanbul, Turkey, 05 September 2005, pp.443-448

- XXXV. **HOMOJEN OLMAYAN ELASTİK KONİK BİR KABUĞUN UNİFORM OLMAYAN YANAL DIŞ BASINÇ YÜKÜ ETKİSİ ALTINDA STABİLİTESİ**
AVEY A., ZERİN Z., DENİZ A., USAL M. R.
XV. Ulusal Mekanik Kongre, 3-7 Eylül, 2007, ISPARTA, Isparta, Turkey, 03 September 2007, pp.47-56
- XXXVI. **ELASTİK ZEMİN ÜZERİNDE BULUNAN BİR TARAFI ANKASTRE MESNETLİ DİĞER TARAFI SERBEST HOMOJEN OLMAYAN KİRİŞİN SERBEST TİTREŞİMİ**
AVEY A., AVCAR M.
XV. Ulusal Mekanik Kongre, 3-7 Eylül, 2007, ISPARTA, Isparta, Turkey, 03 September 2007, pp.157-166
- XXXVII. **Analytical solution of the stability problem of orthotropic cylindrical shells under linearly increasing dynamic axial loading with various initial conditions**
AVEY A., VEYSOV I., AVCAR M., ZERİN Z.
Proc. 4th FAE Int. Symposium "Creating The Future", KKTC, Lefke, Lefke, Cyprus (Kkctc), 30 November 2006, pp.111-115
- XXXVIII. **The stability of a tree-layered composite conical shell containing a FGM layer subjected to external pressure**
AVEY A., AKSOĞAN O., SCHRACK E., AVCAR M.
Int. Workshop "Research In Mechanics of Composites 2006", Karlsruhe University, Germany, Karlsruhe, Germany, 26 November 2006, pp.42
- XXXIX. **Vibration and stability of three-layered cylindrical shells containing Si₃Ni₄/SUS304 FG layer under lateral pressure**
AVEY A., VALİYEV A., DENİZ A., AVCAR M.
7th Int. Congress on Advances in Civil Engineering, İstanbul, Turkey, 11 November 2006
- XL. **Dynamic stability of functionally graded shells under axial load**
AVEY A., DENİZ A., SOFİYEV A.
3th FAE Int. Symposium "Creating The Future", European University of Lefke, Lefke, Cyprus (Kkctc), 25 November 2004, pp.173-178
- XLI. **The buckling of an orthotropic composite cylindrical thin shell under time dependent torsion**
AVEY A., AY Z., SOFİYEV A.
2nd FAE Int. Symposium "Creating The Future", European University of Lefke, Lefke, Cyprus (Kkctc), 06 November 2002 - 08 November 2004, pp.237-241
- XLII. **The stability of an orthotropic conical shell with variable elasticity moduli under an impulsive load**
AVEY A., AY Z., BİRİNCİ F.
2nd FAE Int. Symposium "Creating The Future", European University of Lefke, Lefke, Cyprus (Kkctc), 06 November 2002, pp.231-236
- XLIII. **KALINLIĞI KUVVET FONKSİYONU ŞEKLİNDE DEĞİŞEN ORTOTROP ELASTİK SİLİNDİRİK BİR KABUĞUN DİNAMİK STABİLİTESİ**
AVEY A., ZERİN Z.
XII. Ulusal Mekanik Kongre, Konya, Konya, Turkey, 10 - 14 September 2002, pp.795-803
- XLIV. **Non-linear Free Vibrations Analysis of Laminated Non-homogeneous Orthotropic Cylindrical Shells**
AKSOĞAN O., AVEY A.
4th Euromech Nonlinear Oscillations Conference, Moskva, Russia, 19 August 2002, pp.26
- XLV. **The dynamic stability of a truncated conical shell with variable thickness subject to a time dependent external pressure**
AVEY A., AKSOĞAN O.
5th Int. Conf. On Vibration Problems, Moscow, Russia, Moscow, Russia, 08 October 2001, pp.438-447
- XLVI. **The dynamic stability of a laminated composite truncated conical shell subject to a time dependent external pressure**
AKSOĞAN O., AVEY A.
5th Meghrebine Conference for Mechanical Studies, Brack, Libya, Brack, Libya, 05 February 2001, pp.61

- XLVII. **The dynamic stability of a laminated non-homogeneous elastic cylindrical shell.**
AKSOĞAN O., AVEY A., ZERİN Z.
Int. Conf. on Steel Structures of the 2000' s. ITU, Istanbul, Turkey, İstanbul, Turkey, 11 September 2000, pp.221-226
- XLVIII. **The dynamic stability of a laminated non-homogeneous orthotropic elastic cylindrical shell under a time dependent external pressure**
AKSOĞAN O., AVEY A.
Int. Conf. on Modern Practice in Stress and Vibration Analysis, Nottingham, United Kingdom, Nottingham, England, 05 September 2000, pp.349-360
- XLIX. **HOMOJEN OLMAYAN MALZEMEDEN OLUŞAN SİLİNDİRİK BİR KABUĞUN ZAMANLA DEĞİŞEN EKSENEL BASINÇ ETKİSİ ALTINDA DİNAMİK STABİLİTESİ**
AVEY A., ZERİN Z., DENİZ A.
3. GAP MÜHENDİSLİK KONGRESİ 24-26 MAYIS 2000 ŞANLIURFA, Urfa, Turkey, 24 May 2000 - 26 May 2002, vol.1, pp.564-571

Congress and Symposium Activities

- International Conference Smart Environment and Creen Technologies, Invited Speaker, Baku, Azerbaijan, 2024
6th International "Azerbaijan" Congress On Life, Engineering, Mathematical, And Applied Sciences, Invited Speaker, Baku, Azerbaijan, 2024
23. Ulusal Mekanik Kongresi, Session Moderator, Konya, Turkey, 2023
23. Ulusal Mekanik Kongresi, Session Moderator, Konya, Turkey, 2023