

## Prof. ABDULLAH AVEY

### Personal Information

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### 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 ) kullanılarak 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.  
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- 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**  
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- 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.  
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- LXXXII. **On a problem of the vibration of functionally graded conical shells with mixed boundary conditions**  
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- 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)
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### **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