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### Kişisel Bilgiler

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### Eğitim Bilgileri

Bütünleşik Doktora, Azerbaycan Teknik Üniversitesi Ve Bakü Devlet Üniversitesi, Azerbaycan 1984 - 1989

Lisans, Azerbaycan Devlet Pedagoji Üniversitesi, Azerbaycan 1976 - 1980

### Araştırma Alanları

Matematiksel Modelleme teknikleri, Katı Cisimler Mekaniği, Mekanik

### Akademik İdari Deneyim

Süleyman Demirel Üniversitesi, 2005 - Devam Ediyor

### Verdiği Dersler

Mühendislik Matematiği, Yüksek Lisans, 2020 - 2021

Mühendislik Matematiği II, Lisans, 2020 - 2021

Statik, Lisans, 2020 - 2021

Mühendislik Matematiği I, Lisans, 2020 - 2021

Analitik Mekanik, Yüksek Lisans, 2020 - 2021

Elastik Stabilite Teorisi, Yüksek Lisans, 2020 - 2021

Kompozit Yapı Elemanları Mekaniği, Yüksek Lisans, 2020 - 2021

Dinamik, Lisans, 2020 - 2021

Mühendislik Tasarımı, Lisans, 2020 - 2021

Kabuklar, Yüksek Lisans, 2020 - 2021

Titreşim Teorisi, Yüksek Lisans, 2013 - 2014

### Yönetilen Tezler

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

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## SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- 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, cilt.12, sa.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, cilt.193, 2023 (SCI-Expanded)
- III. **Analytical Solution of Stability Problem of Nanocomposite Cylindrical Shells under Combined Loadings in Thermal Environments**  
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Mathematics, cilt.11, sa.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, cilt.16, sa.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, cilt.26, sa.3, ss.251-266, 2023 (SCI-Expanded)
- VI. **Generalized Heat Equation with the Caputo–Fabrizio Fractional Derivative for a Nonsimple Thermoelastic Cylinder with Temperature-Dependent Properties**  
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Physical Mesomechanics, cilt.26, sa.2, ss.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, cilt.64, ss.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, cilt.11, sa.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, cilt.304, 2023 (SCI-Expanded)
- X. **Thermoelastic stability of CNT patterned conical shells under thermal loading in the framework of shear deformation theory**  
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Mechanics of Advanced Materials and Structures, cilt.30, sa.9, ss.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, cilt.15, sa.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.  
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- 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.  
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- 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.  
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Avey M., Fantuzzi N., Sofiyev A., KURUOĞLU N.  
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- XVI. **Mathematical Modeling and Analytical Solution of Thermoelastic Stability Problem of Functionally Graded Nanocomposite Cylinders within Different Theories**  
Mahmure A., Nicholas F., Abdullah S.  
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- 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.  
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- 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.  
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- XIX. **Influences of elastic foundations and thermal environments on the thermoelastic buckling of nanocomposite truncated conical shells**  
Avey M., Sofiyev A., KURUOĞLU N.  
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- XX. **On the primary resonance of non-homogeneous orthotropic structures with viscous damping within shear deformation theory**  
Sofiyev A., Turan F., KURUOĞLU N.  
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- XXI. **Thermoelastic behavior of an isotropic solid sphere under a non-uniform heat flow according to the MGT thermoelastic model**  
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- 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.  
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- 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.  
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- 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.  
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- XXV. **Modeling photoexcited carrier interactions in a solid sphere of a semiconductor material based on the photothermal Moore-Gibson-Thompson model**  
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- 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.  
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- XXVII. **Influences of material gradient and nonlinearity on the forced vibration of orthotropic shell structures**  
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- XXVIII. **Modeling and solution of large amplitude vibration problem of construction elements made of nanocomposites using shear deformation theory**  
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- XXIX. **On the nonlinear vibration of heterogenous orthotropic shallow shells in the framework of the shear deformation shell theory**  
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- XXX. **Large-amplitude vibration of functionally graded orthotropic double-curved shallow spherical and**

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- XXXI. **The stability of composite conical shells covered by carbon nanotube-reinforced coatings under external pressures**  
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- XXXII. **Influence of elastic foundations and carbon nanotube reinforcement on the hydrostatic buckling pressure of truncated conical shells**  
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- XXXIII. **On the vibration and stability behaviors of heterogeneous- CNTRC-truncated conical shells under axial load in the context of FSDT**  
Sofiyev A.  
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- XXXIV. **Buckling behavior of FG-CNT reinforced composite conical shells subjected to a combined loading**  
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- XXXV. **Dynamic behavior of FGM viscoelastic plates resting on elastic foundations**  
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- XXXVI. **The forced vibration of infinitely long cylinders reinforced by carbon nanotubes subjected to combined internal and ring-shaped compressive pressures**  
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- XXXIX. **Influences of shear deformations and material gradient on the linear parametric instability of laminated orthotropic conical shells**  
Sofiyev A.  
Composite Structures, cilt.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, cilt.139, ss.232-241, 2019 (SCI-Expanded)
- XLI. **On the free vibration of orthotropic and inhomogeneous with spatial coordinates plates resting on the inhomogeneous viscoelastic foundation**  
Hacıyev V., Sofiyev A., KURUOĞLU N.  
Mechanics of Advanced Materials and Structures, cilt.26, sa.10, ss.886-897, 2019 (SCI-Expanded)
- XLII. **Review of research on the vibration and buckling of the FGM conical shells**  
Sofiyev A.  
Composite Structures, cilt.211, ss.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.  
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- XLIV. **On the parametric instability of multilayered conical shells using the FOSDT**  
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- XLV. **On the vibration and stability of FGM cylindrical shells under external pressures with mixed boundary conditions by using FOSDT**  
Sofiyev A., Hui D.  
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- XLVI. **About an approach to the determination of the critical time of viscoelastic functionally graded cylindrical shells**  
Sofiyev A.  
Composites Part B: Engineering, cilt.156, ss.156-165, 2019 (SCI-Expanded)
- XLVII. **On the solution of the dynamic stability of heterogeneous orthotropic visco-elastic cylindrical shells**  
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- XLVIII. **Application of the FOSDT to the solution of buckling problem of FGM sandwich conical shells under hydrostatic pressure**  
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Composites Part B: Engineering, cilt.144, ss.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**  
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- 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**  
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- LII. **The dynamic instability of FG orthotropic conical shells within the SDT**  
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- LIII. **Influences of elastic foundations and shear deformations on the buckling behavior of functionally graded material truncated conical shells under axial compression**  
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- LIV. **The stability analysis of shear deformable FGM sandwich conical shells under the axial load**  
Sofiyev A.  
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- LV. **The free vibration of sandwich truncated conical shells containing functionally graded layers within the shear deformation theory**  
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Composites Part B: Engineering, cilt.120, ss.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, cilt.115, ss.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.  
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- LVIII. Combined effects of transverse shear stresses and nonlinear elastic foundations on the nonlinear dynamic response of heterogeneous orthotropic cylindrical shells**  
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- LIX. Non-linear vibration of composite orthotropic cylindrical shells on the non-linear elastic foundations within the shear deformation theory**  
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- 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.  
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- LXI. Effects of shear stresses and rotary inertia on the stability and vibration of sandwich cylindrical shells with FGM core surrounded by elastic medium**  
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- LXII. Thermoelastic stability of freely supported functionally graded conical shells within the shear deformation theory**  
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- LXIII. Stability and vibration of sandwich cylindrical shells containing a functionally graded material core with transverse shear stresses and rotary inertia effects**  
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- LXIV. Large amplitude vibration of FGM orthotropic cylindrical shells interacting with the nonlinear Winkler elastic foundation**  
Sofiyev A.  
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- LXV. Nonlinear free vibration of shear deformable orthotropic functionally graded cylindrical shells**  
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- LXVI. Combined effects of elastic foundations and shear stresses on the stability behavior of functionally graded truncated conical shells subjected to uniform external pressures**  
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- LXVII. The stability of FGM truncated conical shells under combined axial and external mechanical loads in the framework of the shear deformation theory**  
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- LXVIII. Parametric vibration of FGM conical shells under periodic lateral pressure within the shear deformation theory**  
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- LXIX. Domains of dynamic instability of FGM conical shells under time dependent periodic loads**  
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- LXX. Buckling of heterogeneous orthotropic composite conical shells under external pressures within the shear deformation theory**  
Sofiyev A.  
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- LXXI. **Buckling analysis of freely-supported functionally graded truncated conical shells under external pressures**  
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- LXXII. **Influences of shear stresses and rotary inertia on the vibration of functionally graded coated sandwich cylindrical shells resting on the Pasternak elastic foundation**  
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- LXXIII. **Combined effects of heterogeneity and non-linearity on the critical time parameters of orthotropic conical shells**  
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- LXXIV. **Parametric instability of shear deformable sandwich cylindrical shells containing an FGM core under static and time dependent periodic axial loads**  
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- 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**  
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- LXXVII. **Buckling of non-homogeneous orthotropic conical shells subjected to combined load**  
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## **Diğer Dergilerde Yayınlanan Makaleler**

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