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Eğitim Bilgileri

Doktora, Fırat Üniversitesi, Fen Bilimleri, İnşaat Mühendisliği-Mekanik, Türkiye 1999 - 2004

Doktora, Dokuz Eylül Üniversitesi, Mühendislik Fakültesi, İnşaat Müh. Yapı A.B.D., Türkiye 1999 - 2003

Yüksek Lisans, Fırat Üniversitesi, Fen Bilimleri, İnşaat Mühendisliği-Mekanik, Türkiye 1996 - 1998

Lisans, Fırat Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği, Türkiye 1992 - 1996

Yabancı Diller

İngilizce, B2 Orta Üstü

Yaptığı Tezler

Doktora, Polinomal Diferansiyel Quadrature (PDQ) Metodu ile Elastik Zemine Oturan Plak ve Kabukların Geometrik Bakımdan Lineer Olmayan Statik ve Dinamik Analizi, Fırat Üniversitesi, Fen Bilimleri, İnşaat Mühendisliği-Mekanik, 2004

Yüksek Lisans, Plak ve Kabukların Nöro-Fuzzy Tekniği ile Lineer ve Lineer Olmayan Statik-Dinamik Analizi, Fırat Üniversitesi, Fırat Üniversitesi, Fen Bilimleri, İnşaat Mühendisliği-Mekanik, 1998

Araştırma Alanları

Katı Cisimler Mekaniği, İnşaat Mühendisliği, Mekanik, Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Prof. Dr., Akdeniz Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği, 2012 - Devam Ediyor

Doç. Dr., Akdeniz Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği, 2006 - 2012

Yrd. Doç. Dr., Akdeniz Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği, 2004 - 2006

Yönetilen Tezler

- CİVALEK Ö., Grafen tabakaların membran ve plak ile modellenmesi, Yüksek Lisans, S.Çakırtaş(Öğrenci), 2016
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SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Stability analysis of sandwich double nanobeam-system with varying cross-section interconnected by Kerr-type three-parameter elastic layer**
Soltani M., Momenian M., CİVALEK Ö.
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- II. **Vibration of embedded restrained composite tube shafts with nonlocal and strain gradient effects**
UZUN B., YAYLI M. Ö., CİVALEK Ö.
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- III. **An investigation on the torsional vibration of a FG strain gradient nanotube**
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- IV. **On the stability analysis of a restrained FG nanobeam in an elastic matrix with neutral axis effects**
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- V. **Geometrically nonlinear vibration of toroidal sandwich shells with auxetic honeycomb core under periodic/impulsive pressure**
Mohamad Mirfatah S., Salehipour H., CİVALEK Ö.
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- VI. **On nonlinear buckling of microshells**
Mirfatah S. M., Shahmohammadi M. A., Salehipour H., CİVALEK Ö.
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- VII. **Elastic medium and torsional spring effects on the nonlocal dynamic of functionally graded porous nanotubes**
UZUN B., YAYLI M. Ö., CİVALEK Ö.
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- VIII. **Natural frequencies and modal shapes of folded sandwich plates made of porous core and FG-CNTRC coating layers resting on two parameters elastic foundation**
Salehipour H., Shahmohammadi M. A., CİVALEK Ö.
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- IX. **Aerodynamic stability and free vibration of FGP-Reinforced nano-fillers annular sector microplates exposed to supersonic flow**
Arshid E., Amir S., Loghman A., CİVALEK Ö.
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- X. **The mechanical response of nanobeams considering the flexoelectric phenomenon in the temperature environment**
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Archive of Applied Mechanics, cilt.94, sa.3, ss.493-514, 2024 (SCI-Expanded)
- XI. **High frequency analysis of the functionally graded sandwich nanobeams embedded in elastic foundations using nonlocal quasi-3D theory**

- Ghazwani M. H., Alnujaie A., Van Vinh P., CİVALEK Ö.
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- XII. **On shear-dependent vibration of nano frames**
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- XIII. **Nonlinear stability analysis of embedded restrained nanobeams using the Stokes' transformation**
UZUN B., CİVALEK Ö., YAYLI M. Ö.
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- XIV. **Vibrational response of a sandwich microplate considering the impact of flexoelectricity and based on a novel porous-FGM formulation**
Kaveh A., Babaei H., Zavari S., Arshid E., CİVALEK Ö.
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- XV. **An analytical solution for vibration response of CNT/GPL/fibre/polymer hybrid composite micro/nanoplates**
Salehipour H., Shahmohammadi M. A., Folkow P. D., CİVALEK Ö.
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- XVI. **An investigation on static, vibration and stability analyses of elastically restrained FG porous Timoshenko nanobeams**
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- XVII. **Effect of two-dimensional material distribution on dynamic and buckling responses of graded ceramic-metal higher order beams with stretch effect**
Bensaid I., Saimi A., CİVALEK Ö.
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- XVIII. **Dynamic Response of Advanced Lightweight Porous Plates Integrated with Nanocomposite Face Sheets Resting on Elastic Substrate**
Babaei H., Zavari S., Kaveh A., Arshid E., CİVALEK Ö.
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- XIX. **Size-dependent Levinson beam theory for thermal vibration of a nanobeam with deformable boundary conditions**
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- XX. **Size-dependent nonlinear stability response of perforated nano/microbeams via Fourier series**
CİVALEK Ö., UZUN B., YAYLI M. Ö.
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- XXI. **Thermomechanical vibration analysis of a restrained nanobeam**
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- XXII. **Dynamics of a FG porous microbeam with metal foam under deformable boundaries**
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- XXIII. **Fractional modelling of piezoelectric composite nanobeams via novel numerical schemes**
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- XXIV. **On analysis of nanocomposite conical structures**
Dastjerdi S., CİVALEK Ö., Malikan M., AKGÖZ B.
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- XXV. **An eigenvalue solution for nonlocal vibration of guide supported perfect/imperfect functionally graded power-law and sigmoid nanobeams on one-parameter elastic foundation**
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- XXVII. **A study on the crack presence effect on dynamical behaviour of bi-directional compositionally imperfect material graded micro beams**
Saimi A., Bensaid I., CİVALEK Ö.
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- XXVIII. **Magneto-thermoelastic interactions in an unbounded orthotropic viscoelastic solid under the Hall current effect by the fourth-order Moore-Gibson-Thompson equation**
Abouelregal A. E., AKGÖZ B., CİVALEK Ö.
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- XXIX. **Vibration of smart sandwich plate with an auxetic core and dual-FG nanocomposite layers integrated with piezoceramic actuators**
Nouraei M., Zamani V., CİVALEK Ö.
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- XXX. **A Hardening Nonlocal Elasticity Approach to Axial Vibration Analysis of an Arbitrarily Supported FG Nanorod**
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Physical Mesomechanics, cilt.26, sa.3, ss.295-312, 2023 (SCI-Expanded)
- XXXI. **Free-damped vibration tangential wave responses of FG-sandwich merged hemispherical-cylindrical shells under effects of artificial springs at merging and boundary conditions**
Sobhani E., Masoodi A. R., CİVALEK Ö., Reza Ahmadi-Pari A.
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- XXXII. **A hardening nonlocal approach for vibration of axially loaded nanobeam with deformable boundaries**
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- XXXIII. **An improved first-order mixed plate element for static bending and free vibration analysis of functionally graded sandwich plates**
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- XXXIV. **Higher order finite element models for transient analysis of strain gradient functionally graded microplates**
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- XXXV. **An Accurate Computational Method for Buckling of Orthotropic Composite Plate with Non-Classical Boundary Restraints**
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- XXXVIII. **Dynamic stability of hybrid fiber/nanocomposite-reinforced toroidal shells subjected to the periodic axial and pressure loadings**
Shahmohammadi M. A., Mirfatah S. M., Salehipour H., Azhari F., CİVALEK Ö.
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- XXXIX. **Bending and free vibration analysis of porous functionally graded sandwich plate with various porosity distributions using an extended layerwise theory**
Belarbi M., Daikh A. A., Garg A., Hirane H., Houari M. S. A., CİVALEK Ö., Chalak H.
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- XL. **On a comprehensive analysis for mechanical problems of spherical structures**
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- XL1. **Critical buckling loads of embedded perforated microbeams with arbitrary boundary conditions via an efficient solution method**
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- XLII. **On vibrational-based numerical simulation of a jet engine cowl shell-like structure**
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- XLIV. **On nonlinear forced vibration of micro scaled panels**
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- XLV. **Torsional static and free vibration analysis of noncircular short-fiber-reinforced microwires with arbitrary boundary conditions**
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- XLVI. **The influence of non-linear carbon nanotube reinforcement on the natural frequencies of composite beams**
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- XLVII. **Viscoelasticity in Large Deformation Analysis of Hyperelastic Structures**
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- XLVIII. **Nonlinear analysis of fiber-reinforced folded shells enriched by nano-additives using a coupled FEM-IGA formulation**
Amin Shahmohammadi M., Azhari M., Salehipour H., Fantuzzi N., Amabili M., CİVALEK Ö.
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- XLIX. **Buckling Analysis of Functionally Graded Tapered Microbeams via Rayleigh-Ritz Method**
AKGÖZ B., CİVALEK Ö.
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- L. **Size dependent torsional vibration of a restrained single walled carbon nanotube (SWCNT) via nonlocal strain gradient approach**
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- LI. **Nonlocal strain gradient approach for axial vibration analysis of arbitrary restrained nanorod**
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- LII. **Wave propagation analysis of sandwich FGM nanoplate surrounded by viscoelastic foundation**
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Archives of Civil and Mechanical Engineering, cilt.22, sa.4, 2022 (SCI-Expanded)
- LIII. **Size-dependent dynamic stability of nanocomposite enriched micro-shell panels in thermal environment using the modified couple stress theory**

- Mirfatah S. M., Shahmohammadi M. A., Salehipour H., CİVALEK Ö.
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- LIV. **A Novel Nonlinear Elasticity Approach for Analysis of Nonlinear and Hyperelastic Structures**
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- LV. **Interaction of the lateral buckling strength with the axial load for FG micro-sized I-section beam-columns**
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- LVI. **Geometrically nonlinear electro-thermo-static analysis of piezoelectric/CNT/GPL/fibre/polymer sandwich panels with double curvature resting on elastic foundation**
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- LVII. **Nonlinear forced vibration analysis of laminated composite doubly-curved shells enriched by nanocomposites incorporating foundation and thermal effects**
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- LVIII. **Hyperelastic Microcantilever AFM: Efficient Detection Mechanism Based on Principal Parametric Resonance**
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- LIX. **Nonlocal thermoelastic vibration of a solid medium subjected to a pulsed heat flux via Caputo-Fabrizio fractional derivative heat conduction**
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- LX. **Novel size-dependent finite element formulation for modal analysis of cracked nanorods**
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- LXI. **Torsional and longitudinal vibration analysis of a porous nanorod with arbitrary boundaries**
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- LXII. **Parametric vibration of a dielectric elastomer microbeam resonator based on a hyperelastic cosserat continuum model**
Alibakhshi A., Dastjerdi S., AKGÖZ B., CİVALEK Ö.
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- LXIII. **Natural frequency analysis of FG-GOP/ polymer nanocomposite spheroid and ellipsoid doubly curved shells reinforced by transversely-isotropic carbon fibers**
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- LXIV. **An eigenvalue solution for torsional vibrations of restrained porous nanorods using doublet mechanics theory**
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- LXV. **Dynamic Analysis of Functionally Graded Porous Microbeams under Moving Load**
Akbaş Ş. D., Dastjerdi S., AKGÖZ B., CİVALEK Ö.
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- LXVI. **An effective analytical method for buckling solutions of a restrained FGM nonlocal beam**
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- LXVII. **Finite element formulation for nano-scaled beam elements**

- CİVALEK Ö., UZUN B., YAYLI M. Ö.
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- LXVIII. **Thermo-elastic damped nonlinear dynamic response of the initially stressed hybrid GPL/CNT/fiber/polymer composite toroidal shells surrounded by elastic foundation**
Mirfatah S. M., Tayebikhorami S., Shahmohammadi M. A., Salehipour H., CİVALEK Ö.
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- LXIX. **A Fourier sine series solution of static and dynamic response of nano/micro micro-scaled FG rod under torsional effect**
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- LXX. **Torsional vibrations of functionally graded restrained nanotubes**
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- LXXI. **Axial and torsional free vibrations of restrained single-walled boron nitride nanotube (SWBNNT) embedded in an elastic medium via nonlocal strain gradient theory**
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- LXXII. **Static deflection and free vibration analysis of functionally graded and porous cylindrical micro/nano shells based on the three-dimensional elasticity and modified couple stress theories**
Salehipour H., Shahgholian-Ghahfarokhi D., Shahsavar A., CİVALEK Ö., Edalati M.
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- LXXIII. **On the deformation and frequency analyses of SARS-CoV-2 at nanoscale**
Dastjerdi S., Malikan M., AKGÖZ B., CİVALEK Ö., Wiczenbach T., Eremeyev V. A.
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- LXXIV. **Buckling and free vibrations of CNT-reinforced cross-ply laminated composite plates**
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- LXXV. **A new heat conduction model for viscoelastic micro beams considering the magnetic field and thermal effects**
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- LXXVI. **Longitudinal vibration analysis of FG nanorod restrained with axial springs using doublet mechanics**
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- LXXVII. **Higher-order time-differential heat transfer model with three-phase lag including memory-dependent derivatives**
Abouelregal A. E., CİVALEK Ö., ÖZTOP H. F.
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- LXXVIII. **Derivation of nonlocal FEM formulation for thermo-elastic Timoshenko beams on elastic matrix**
Numanoglu H. M., Ersoy H., Civalek O., Ferreira A. J. M.
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- LXXIX. **On the generalized model of shell structures with functional cross-sections**
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- LXXX. **On the mechanical analysis of microcrystalline cellulose sheets**
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- LXXXI. **An accurate numerical approach for studying perovskite solar cells**
Ragb O., Mohamed M., Matbuly M. S., CİVALEK Ö.
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- LXXXII. **Solution of Moore-Gibson-Thompson Equation of an Unbounded Medium with a Cylindrical Hole**

- Abouelregal A. E., ERSOY H., CİVALEK Ö.
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- LXXXIII. **Dynamic Analysis of a Fiber-Reinforced Composite Beam under a Moving Load by the Ritz Method**
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- LXXXIV. **Forced Vibration Analysis of Composite Beams Reinforced by Carbon Nanotubes**
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