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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

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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. **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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- II. **The mechanical response of nanobeams considering the flexoelectric phenomenon in the temperature environment**
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- III. **High frequency analysis of the functionally graded sandwich nanobeams embedded in elastic foundations using nonlocal quasi-3D theory**
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- IV. **On shear-dependent vibration of nano frames**
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- V. **Effect of two-dimensional material distribution on dynamic and buckling responses of graded ceramic-metal higher order beams with stretch effect**
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- VI. **Size-dependent nonlinear stability response of perforated nano/microbeams via Fourier series**
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- VII. **Size-dependent Levinson beam theory for thermal vibration of a nanobeam with deformable boundary conditions**
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- VIII. **Fractional modelling of piezoelectric composite nanobeams via novel numerical schemes**
Salah M., CİVALEK Ö., Ragb O.
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- IX. **Dynamics of a FG porous microbeam with metal foam under deformable boundaries**
CİVALEK Ö., ERSOY H., UZUN B., YAYLI M. Ö.
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- X. **Thermomechanical vibration analysis of a restrained nanobeam**
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- XI. **On analysis of nanocomposite conical structures**
Dastjerdi S., CİVALEK Ö., Malikan M., AKGÖZ B.
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- XII. **On nonlinear stability analysis of saturated embedded porous nanobeams**

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- XIII. **An eigenvalue solution for nonlocal vibration of guide supported perfect/imperfect functionally graded power-law and sigmoid nanobeams on one-parameter elastic foundation**
CİVALEK Ö., UZUN B., YAYLI M. Ö.
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- XIV. **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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- XV. **Vibration of smart sandwich plate with an auxetic core and dual-FG nanocomposite layers integrated with piezoceramic actuators**
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- XVI. **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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- XVII. **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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- XVIII. **A Hardening Nonlocal Elasticity Approach to Axial Vibration Analysis of an Arbitrarily Supported FG Nanorod**
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- XIX. **A hardening nonlocal approach for vibration of axially loaded nanobeam with deformable boundaries**
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- XX. **Higher order finite element models for transient analysis of strain gradient functionally graded microplates**
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- XXI. **An improved first-order mixed plate element for static bending and free vibration analysis of functionally graded sandwich plates**
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- XXII. **An Accurate Computational Method for Buckling of Orthotropic Composite Plate with Non-Classical Boundary Restraints**
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- XXIII. **Natural frequency investigation of graphene oxide powder nanocomposite cylindrical shells surrounded by Winkler/Pasternak/Kerr elastic foundations with a focus on various boundary conditions**
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- XXV. **Dynamic stability of hybrid fiber/nanocomposite-reinforced toroidal shells subjected to the periodic**

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- XXVI. **Bending and free vibration analysis of porous functionally graded sandwich plate with various porosity distributions using an extended layerwise theory**
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- XXVII. **On a comprehensive analysis for mechanical problems of spherical structures**
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- XXVIII. **Critical buckling loads of embedded perforated microbeams with arbitrary boundary conditions via an efficient solution method**
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- XXIX. **On vibrational-based numerical simulation of a jet engine cowl shell-like structure**
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- XXX. **The influence of non-linear carbon nanotube reinforcement on the natural frequencies of composite beams**
AVCAR M., Hadji L., CİVALEK Ö.
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- XXXI. **Nonlinear stability analysis of embedded restrained nanobeams using the Stokes' transformation**
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- XXXII. **Torsional static and free vibration analysis of noncircular short-fiber-reinforced microwires with arbitrary boundary conditions**
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- XXXIII. **Thermal buckling analysis of a saturated porous thick nanobeam with arbitrary boundary conditions**
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- XXXIV. **On nonlinear forced vibration of micro scaled panels**
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- XXXV. **Viscoelasticity in Large Deformation Analysis of Hyperelastic Structures**
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- XXXVI. **Size dependent torsional vibration of a restrained single walled carbon nanotube (SWCNT) via nonlocal strain gradient approach**
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- XXXVIII. **Nonlinear analysis of fiber-reinforced folded shells enriched by nano-additives using a coupled FEM-IGA formulation**
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- XL. **Wave propagation analysis of sandwich FGM nanoplate surrounded by viscoelastic foundation**
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- XLI. **Size-dependent dynamic stability of nanocomposite enriched micro-shell panels in thermal environment using the modified couple stress theory**
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- XLIV. **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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- XLV. **Hyperelastic Microcantilever AFM: Efficient Detection Mechanism Based on Principal Parametric Resonance**
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- XLVI. **Nonlocal thermoelastic vibration of a solid medium subjected to a pulsed heat flux via Caputo-Fabrizio fractional derivative heat conduction**
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- XLVII. **Nonlinear forced vibration analysis of laminated composite doubly-curved shells enriched by nanocomposites incorporating foundation and thermal effects**
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- XLVIII. **Novel size-dependent finite element formulation for modal analysis of cracked nanorods**
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- XLIX. **Torsional and longitudinal vibration analysis of a porous nanorod with arbitrary boundaries**
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- L. **Natural frequency analysis of FG-GOP/ polymer nanocomposite spheroid and ellipsoid doubly curved shells reinforced by transversely-isotropic carbon fibers**
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- LI. **Parametric vibration of a dielectric elastomer microbeam resonator based on a hyperelastic cosserat continuum model**
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- LII. **An eigenvalue solution for torsional vibrations of restrained porous nanorods using doublet mechanics theory**
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- LIII. **An effective analytical method for buckling solutions of a restrained FGM nonlocal beam**

- CİVALEK Ö., UZUN B., YAYLI M. Ö.
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- LIV. **Finite element formulation for nano-scaled beam elements**
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- LV. **Dynamic Analysis of Functionally Graded Porous Microbeams under Moving Load**
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- LVI. **Thermo-elastic damped nonlinear dynamic response of the initially stressed hybrid GPL/CNT/fiber/polymer composite toroidal shells surrounded by elastic foundation**
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- LVII. **Buckling and free vibrations of CNT-reinforced cross-ply laminated composite plates**
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- LVIII. **An analytical solution for vibration response of CNT/GPL/fibre/polymer hybrid composite micro/nanoplates**
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- LIX. **Torsional vibrations of functionally graded restrained nanotubes**
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- LX. **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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- LXI. **A Fourier sine series solution of static and dynamic response of nano/micro micro-scaled FG rod under torsional effect**
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- LXII. **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**
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- LXIII. **On the deformation and frequency analyses of SARS-CoV-2 at nanoscale**
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- LXIV. **A new heat conduction model for viscoelastic micro beams considering the magnetic field and thermal effects**
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- LXV. **Longitudinal vibration analysis of FG nanorod restrained with axial springs using doublet mechanics**
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- LXVI. **Higher-order time-differential heat transfer model with three-phase lag including memory-dependent derivatives**
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- LXVII. **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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- LXVIII. **An accurate numerical approach for studying perovskite solar cells**
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- LXIX. **On the mechanical analysis of microcrystalline cellulose sheets**
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- LXX. **On the generalized model of shell structures with functional cross-sections**
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- LXXI. **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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- LXXII. **Dynamic Analysis of a Fiber-Reinforced Composite Beam under a Moving Load by the Ritz Method**
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- LXXIII. **Forced Vibration Analysis of Composite Beams Reinforced by Carbon Nanotubes**
Civalek O., Akbas S. D., AKGÖZ B., DASTJERDI S.
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- LXXIV. **Mechanical simulation of artificial gravity in torus-shaped and cylindrical spacecraft**
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- LXXVI. **On the shell model for human eye in Glaucoma disease**
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- LXXVII. **On the non-linear dynamics of torus-shaped and cylindrical shell structures**
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- LXXVIII. **Application of Chebyshev-Ritz method for static stability and vibration analysis of nonlocal microstructure-dependent nanostructures**
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- LXXIX. **Size-dependent transverse and longitudinal vibrations of embedded carbon and silica carbide nanotubes by nonlocal finite element method**
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- LXXX. **On the effect of viscoelasticity on behavior of gyroscopes**
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- LXXXI. **3-D magneto-electro-thermal analysis of layered nanoplate including porous core nanoplate and piezomagnetic face-sheets**
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- LXXXII. **Vibration analysis of magnetically affected graphene oxide-reinforced nanocomposite beams**
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- LXXXIII. **On the dynamics of small-sized structures**
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- LXXXIV. **On the torsional vibration of nanorods surrounded by elastic matrix via nonlocal FEM**
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