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### Uluslararası Araştırmacı ID'leri

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Publons / Web Of Science ResearcherID: B-9993-2016

ScopusID: 6602320553

Yoksis Araştırmacı ID: 9639

### 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

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

- I. **An investigation on the torsional vibration of a FG strain gradient nanotube**  
UZUN B., YAYLI M. Ö., CİVALEK Ö.  
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- II. **Geometrically nonlinear vibration of toroidal sandwich shells with auxetic honeycomb core under periodic/impulsive pressure**  
Mohamad Mirfatah S., Salehipour H., CİVALEK Ö.  
Composite Structures, cilt.339, 2024 (SCI-Expanded)
- III. **On nonlinear buckling of microshells**  
Mirfatah S. M., Shahmohammadi M. A., Salehipour H., CİVALEK Ö.  
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- IV. **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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- V. **Natural frequencies and modal shapes of folded sandwich plates made of porous core and FG-CNTRC coating layers resting on two parameters elastic foundation**  
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- VI. **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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- VII. **The mechanical response of nanobeams considering the flexoelectric phenomenon in the temperature environment**  
Luu G. T., CİVALEK Ö., Van Tuyen B.  
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- VIII. **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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- IX. **On shear-dependent vibration of nano frames**  
Numanoğlu H. M., CİVALEK Ö.  
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- X. **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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- XI. **Nonlinear stability analysis of embedded restrained nanobeams using the Stokes' transformation**  
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- XII. **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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- XIII. **Vibration of embedded restrained composite tube shafts with nonlocal and strain gradient effects**  
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- XIV. **On the stability analysis of a restrained FG nanobeam in an elastic matrix with neutral axis effects**  
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- XV. **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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- XVI. **Size-dependent Levinson beam theory for thermal vibration of a nanobeam with deformable boundary conditions**  
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- XVII. **Size-dependent nonlinear stability response of perforated nano/microbeams via Fourier series**  
CİVALEK Ö., UZUN B., YAYLI M. Ö.  
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- XVIII. **Fractional modelling of piezoelectric composite nanobeams via novel numerical schemes**  
Salah M., CİVALEK Ö., Ragb O.  
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- XIX. **Thermomechanical vibration analysis of a restrained nanobeam**  
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- XX. **Dynamics of a FG porous microbeam with metal foam under deformable boundaries**  
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- XXI. **On analysis of nanocomposite conical structures**  
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- XXII. **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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- XXIII. **On nonlinear stability analysis of saturated embedded porous nanobeams**  
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- XXIV. **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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- XXV. **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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- XXVI. **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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- XXVII. **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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- XXVIII. **A Hardening Nonlocal Elasticity Approach to Axial Vibration Analysis of an Arbitrarily Supported FG Nanorod**  
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- XXIX. **An improved first-order mixed plate element for static bending and free vibration analysis of functionally graded sandwich plates**  
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- XXX. **A hardening nonlocal approach for vibration of axially loaded nanobeam with deformable boundaries**  
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- XXXI. **Higher order finite element models for transient analysis of strain gradient functionally graded microplates**  
Karamanli A., Vo T. P., CİVALEK Ö.  
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- XXXII. **An Accurate Computational Method for Buckling of Orthotropic Composite Plate with Non-Classical Boundary Restraints**  
Zhang J., Zhao Q., Ullah S., Zhao D., Qi W., CİVALEK Ö.  
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- XXXIII. **Torsional and axial vibration of restrained saturated nanorods via strain gradient elasticity**  
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- XXXIV. **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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- XXXV. **Dynamic stability of hybrid fiber/nanocomposite-reinforced toroidal shells subjected to the periodic axial and pressure loadings**  
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- XXXVI. **Bending and free vibration analysis of porous functionally graded sandwich plate with various porosity distributions using an extended layerwise theory**  
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- XXXVII. **Critical buckling loads of embedded perforated microbeams with arbitrary boundary conditions via an efficient solution method**  
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- XXXVIII. **On a comprehensive analysis for mechanical problems of spherical structures**  
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- XXXIX. **On vibrational-based numerical simulation of a jet engine cowl shell-like structure**

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- XL. **On nonlinear forced vibration of micro scaled panels**  
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- XLI. **Thermal buckling analysis of a saturated porous thick nanobeam with arbitrary boundary conditions**  
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- XLII. **Torsional static and free vibration analysis of noncircular short-fiber-reinforced microwires with arbitrary boundary conditions**  
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- XLIII. **The influence of non-linear carbon nanotube reinforcement on the natural frequencies of composite beams**  
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- XLIV. **Viscoelasticity in Large Deformation Analysis of Hyperelastic Structures**  
Dastjerdi S., AKGÖZ B., CİVALEK Ö.  
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- XLV. **Buckling Analysis of Functionally Graded Tapered Microbeams via Rayleigh–Ritz Method**  
AKGÖZ B., CİVALEK Ö.  
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- XLVI. **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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- XLVII. **Size dependent torsional vibration of a restrained single walled carbon nanotube (SWCNT) via nonlocal strain gradient approach**  
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- XLVIII. **Wave propagation analysis of sandwich FGM nanoplate surrounded by viscoelastic foundation**  
Eyvazian A., Zhang C., CİVALEK Ö., Khan A., Sebaey T. A., Farouk N.  
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- XLIX. **Nonlocal strain gradient approach for axial vibration analysis of arbitrary restrained nanorod**  
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- L. **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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- LI. **A Novel Nonlinear Elasticity Approach for Analysis of Nonlinear and Hyperelastic Structures**  
Dastjerdi S., Alibakhshi A., AKGÖZ B., CİVALEK Ö.  
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- LII. **Interaction of the lateral buckling strength with the axial load for FG micro-sized I-section beam-columns**  
Soltani M., Soltani A., CİVALEK Ö.  
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- LIII. **Geometrically nonlinear electro-thermo-static analysis of piezoelectric/CNT/GPL/fibre/polymer sandwich panels with double curvature resting on elastic foundation**  
Emadi S., Badarloo B., Tayebikhorami S., Salehipour H., CİVALEK Ö.  
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- LIV. **Nonlinear forced vibration analysis of laminated composite doubly-curved shells enriched by nanocomposites incorporating foundation and thermal effects**  
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- LV. **Hyperelastic Microcantilever AFM: Efficient Detection Mechanism Based on Principal Parametric Resonance**  
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- LVI. **Nonlocal thermoelastic vibration of a solid medium subjected to a pulsed heat flux via Caputo-Fabrizio fractional derivative heat conduction**  
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- LVII. **Novel size-dependent finite element formulation for modal analysis of cracked nanorods**  
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- LVIII. **Torsional and longitudinal vibration analysis of a porous nanorod with arbitrary boundaries**  
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- LIX. **Natural frequency analysis of FG-GOP/ polymer nanocomposite spheroid and ellipsoid doubly curved shells reinforced by transversely-isotropic carbon fibers**  
Sobhani E., Masoodi A. R., CİVALEK Ö., AVCAR M.  
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- LX. **Parametric vibration of a dielectric elastomer microbeam resonator based on a hyperelastic cosserat continuum model**  
Alibakhshi A., Dastjerdi S., AKGÖZ B., Civalek O.  
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- LXI. **An eigenvalue solution for torsional vibrations of restrained porous nanorods using doublet mechanics theory**  
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- LXII. **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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- LXIII. **Dynamic Analysis of Functionally Graded Porous Microbeams under Moving Load**  
Akbaş Ş. D., Dastjerdi S., AKGÖZ B., CİVALEK Ö.  
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- LXIV. **Finite element formulation for nano-scaled beam elements**  
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- LXV. **An effective analytical method for buckling solutions of a restrained FGM nonlocal beam**  
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- LXVI. **A Fourier sine series solution of static and dynamic response of nano/micro micro-scaled FG rod under torsional effect**  
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- LXVII. **Buckling and free vibrations of CNT-reinforced cross-ply laminated composite plates**  
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- LXVIII. **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., Shahsavari A., CİVALEK Ö., Edalati M.  
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- LXIX. **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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- LXX. **On the deformation and frequency analyses of SARS-CoV-2 at nanoscale**  
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- LXXI. **Torsional vibrations of functionally graded restrained nanotubes**  
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- LXXII. **A new heat conduction model for viscoelastic micro beams considering the magnetic field and thermal effects**  
Abouelregal A. E., ERSOY H., CİVALEK Ö.  
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- LXXIII. **Longitudinal vibration analysis of FG nanorod restrained with axial springs using doublet mechanics**  
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- LXXIV. **Higher-order time-differential heat transfer model with three-phase lag including memory-dependent derivatives**  
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- LXXV. **Derivation of nonlocal FEM formulation for thermo-elastic Timoshenko beams on elastic matrix**  
Numanoglu H. M., Ersoy H., Civallek O., Ferreira A. J. M.  
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- LXXVI. **On the generalized model of shell structures with functional cross-sections**  
DASTJERDI S., MALIKAN M., EREMEYEV V. A., AKGÖZ B., CİVALEK Ö.  
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- LXXVII. **On the mechanical analysis of microcrystalline cellulose sheets**  
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- LXXVIII. **An accurate numerical approach for studying perovskite solar cells**  
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- LXXIX. **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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- LXXX. **Dynamic Analysis of a Fiber-Reinforced Composite Beam under a Moving Load by the Ritz Method**  
Albas S. D., ERSOY H., AKGÖZ B., CİVALEK Ö.  
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- LXXXI. **Forced Vibration Analysis of Composite Beams Reinforced by Carbon Nanotubes**  
Civallek O., Akbas S. D., AKGÖZ B., DASTJERDI S.  
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- LXXXII. **Mechanical simulation of artificial gravity in torus-shaped and cylindrical spacecraft**  
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