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Education Information

Doctorate, Firat University, Fen Bilimleri, İnşaat Mühendisliği-Mekanik, Turkey 1999 - 2004
Doctorate, Dokuz Eylul University, Mühendislik Fakültesi, İnşaat Müh. Yapı A.B.D., Turkey 1999 - 2003
Postgraduate, Firat University, Fen Bilimleri, İnşaat Mühendisliği-Mekanik, Turkey 1996 - 1998
Undergraduate, Firat University, Mühndislik Fakültesi, İnşaat Mühendisliği, Turkey 1992 - 1996

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Polinomal Diferansiyel Quadrature (PDQ) Metodu ile Elastik Zemine Oturan Plak ve Kabukların Geometrik Bakımdan Lineer Olmayan Statik ve Dinamik Analizi, Firat University, Fen Bilimleri, İnşaat Mühendisliği-Mekanik, 2004
Postgraduate, Plak ve Kabukların Nöro-Fuzzy Tekniği ile Lineer ve Lineer Olmayan Statik-Dinamik Analizi, Fırat Üniversitesi, Firat University, Fen Bilimleri, İnşaat Mühendisliği-Mekanik, 1998

Research Areas

Mechanics of Solid Bodies, Civil Engineering, Mechanical, Engineering and Technology

Academic Titles / Tasks

Professor, Akdeniz University, Faculty of Engineering, İnşaat Mühendisliği, 2012 - Continues
Associate Professor, Akdeniz University, Faculty of Engineering, İnşaat Mühendisliği, 2006 - 2012
Assistant Professor, Akdeniz University, Faculty of Engineering, İnşaat Mühendisliği, 2004 - 2006

Advising Theses

Advising Theses

CİVALEK Ö., Grafen tabakaların membran ve plak ile modellenmesi, Postgraduate, S.Çakırtaş(Student), 2016
CİVALEK Ö., Elastik zemine oturan grafen tabakaların mekanik özelliklerinin hesabı, Postgraduate, M.Cihad(Student), 2016
CİVALEK Ö., Nano boyutlu sektör ve boşluklu sektör plakların lokal olmayan elastisite teorisi ile titreşim ve eğilme analizi, Doctorate, M.Gürses(Student), 2015
CİVALEK Ö., Nano ve mikro yapıların yerel olmayan elastisite teorisi ile eğilme ve titreşim hesabı, Postgraduate, Ç.Işık(Student), 2011

Published journal articles indexed by SCI, SSCI, and AHCI

I. **An investigation on the torsional vibration of a FG strain gradient nanotube**
UZUN B., YAYLI M. Ö., CİVALEK Ö.
ZAMM Zeitschrift fur Angewandte Mathematik und Mechanik, vol.104, no.7, 2024 (SCI-Expanded)

II. **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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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**
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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**
Salehipour H., Shahmohammadi M. A., CİVALEK Ö.
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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.
Thin-Walled Structures, vol.197, 2024 (SCI-Expanded)

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.
Physica B: Condensed Matter, vol.675, 2024 (SCI-Expanded)

IX. **On shear-dependent vibration of nano frames**
Numanoğlu H. M., CİVALEK Ö.
International Journal of Engineering Science, vol.195, 2024 (SCI-Expanded)

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.
Mechanics of Advanced Materials and Structures, vol.31, no.10, pp.2094-2114, 2024 (SCI-Expanded)

XI. **Nonlinear stability analysis of embedded restrained nanobeams using the Stokes' transformation**
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Mechanics Based Design of Structures and Machines, vol.52, no.5, pp.2504-2531, 2024 (SCI-Expanded)

XII. **Vibrational response of a sandwich microplate considering the impact of flexoelectricity and based on a novel porous-FGM formulation**
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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**
CİVALEK Ö., UZUN B., Yayll M. Ö.
Zeitschrift fur Naturforschung - Section A Journal of Physical Sciences, 2024 (SCI-Expanded)

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.
Mechanics of Advanced Materials and Structures, vol.31, no.8, pp.1760-1776, 2024 (SCI-Expanded)

XVI. **Size-dependent Levinson beam theory for thermal vibration of a nanobeam with deformable boundary conditions**
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XVIII. **Fractional modelling of piezoelectric composite nanobeams via novel numerical schemes**
Salah M., CİVALEK Ö., Ragb O.
Applied Physics A: Materials Science and Processing, vol.129, no.11, 2023 (SCI-Expanded)

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**
CİVALEK Ö., ERSOY H., UZUN B., YAYLI M. Ö.
Acta Mechanica, vol.234, no.11, pp.5385-5404, 2023 (SCI-Expanded)

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XXIII. **On nonlinear stability analysis of saturated embedded porous nanobeams**
CİVALEK Ö., UZUN B., YAYLI M. Ö.
International Journal of Engineering Science, vol.190, 2023 (SCI-Expanded)

XXIV. **A study on the crack presence effect on dynamical behaviour of bi-directional compositionally imperfect material graded micro beams**
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Composite Structures, vol.316, 2023 (SCI-Expanded)

XXV. **Magneto-thermoelastic interactions in an unbounded orthotropic viscoelastic solid under the Hall current effect by the fourth-order Moore-Gibson-Thompson equation**
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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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Sobhani E., Koohestani M., CİVALEK Ö., AVCAR M.
Engineering Analysis with Boundary Elements, vol.149, pp.38-51, 2023 (SCI-Expanded)

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Shahmohammadi M. A., Mirfatah S. M., Salehipour H., Azhari F., Civalek O.
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Belarbi M., Daikh A. A., Garg A., Hirane H., Houari M. S. A., CİVALEK Ö., Chalak H.
Archives of Civil and Mechanical Engineering, vol.23, no.1, 2023 (SCI-Expanded)

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**
Dastjerdi S., Alibakhshi A., AKGÖZ B., CİVALEK Ö.
International Journal of Engineering Science, vol.183, 2023 (SCI-Expanded)

XXXIX. **On vibrational-based numerical simulation of a jet engine cowl shell-like structure**
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Mechanics of Advanced Materials and Structures, vol.30, no.19, pp.4016-4027, 2023 (SCI-Expanded)

XL. **On nonlinear forced vibration of micro scaled panels**
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XLV. **Buckling Analysis of Functionally Graded Tapered Microbeams via Rayleigh–Ritz Method**
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Amin Shahmohammadi M., Azhari M., Salehipour H., Fantuzzi N., Amabili M., CİVALEK Ö.
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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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Journal of the Brazilian Society of Mechanical Sciences and Engineering, vol.44, no.11, 2022 (SCI-Expanded)

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.
Engineering Analysis with Boundary Elements, vol.143, pp.219-236, 2022 (SCI-Expanded)

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.
Thin-Walled Structures, vol.179, 2022 (SCI-Expanded)

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.
Composite Structures, vol.295, 2022 (SCI-Expanded)

LIV. **Nonlinear forced vibration analysis of laminated composite doubly-curved shells enriched by**

nanocomposites incorporating foundation and thermal effects
Badarloo B., Tayebikhorami S., Mirfatah S. M., Salehipour H., CİVALEK Ö.
Aerospace Science and Technology, vol.127, 2022 (SCI-Expanded)

LV. **Hyperelastic Microcantilever AFM: Efficient Detection Mechanism Based on Principal Parametric Resonance**
Alibakhshi A., Rahmanian S., Dastjerdi S., Malikan M., Karami B., AKGÖZ B., CİVALEK Ö.
Nanomaterials, vol.12, no.15, 2022 (SCI-Expanded)

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LVII. **Novel size-dependent finite element formulation for modal analysis of cracked nanorods**
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Materials Today Communications, vol.31, 2022 (SCI-Expanded)

LVIII. **Torsional and longitudinal vibration analysis of a porous nanorod with arbitrary boundaries**
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Physica B: Condensed Matter, vol.633, 2022 (SCI-Expanded)

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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Ragb O., Mohamed M., Matbuly M. S., CİVALEK Ö.
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VI. **An exponential shear deformation microbeam modelvia strain gradient elasticity**
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X. **Comparison of higher-order shear deformation theories on static analysis of rectangular plates**
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XII. **Buckling of boron nitride nanotubes surrounded by an elastic matrix**
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XVI. **The effect of geometric and material parameters on the static behavior of laminated plates**
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XX. **Stability analysis of carbon nanotubes (CNTs) based on modified couple stress theory**
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XXI. **Free vibration analysis of carbon nanotubes based on nonlocal continuum and gradient elasticity theories**
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Citation (WoS): 10087
Citation (Scopus): 10573
H-Index (WoS): 68
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