

# Prof. ÖMER CİVALEK

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## International Researcher IDs

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## Education Information

Doctorate, Fırat University, Fen Bilimleri, İnşaat Mühendisliği-Mekanik, Turkey 1999 - 2004

Doctorate, Dokuz Eylül University, Mühendislik Fakültesi, İnşaat Müh. Yapı A.B.D., Turkey 1999 - 2003

Postgraduate, Fırat University, Fen Bilimleri, İnşaat Mühendisliği-Mekanik, Turkey 1996 - 1998

Undergraduate, Fırat University, Mühendislik 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, Fırat University, Fen Bilimleri, İnşaat Mühendisliği-Mekanik, 2004

Postgraduate, Plak ve Kabukların Nöro-Fuzzy Tekniği ile Lineer ve Lineer Olmayan Statik-Dinamik Analizi, Fırat Üniversitesi, Fırat 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

- 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. **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.  
Thin-Walled Structures, vol.204, 2024 (SCI-Expanded)
- II. **Dynamics of a non-circular-shaped nanorod with deformable boundaries based on second-order strain gradient theory**  
CİVALEK Ö., AKPINAR M., UZUN B., YAYLI M. Ö.  
Archive of Applied Mechanics, vol.94, no.11, pp.3555-3572, 2024 (SCI-Expanded)
- III. **Vibration of embedded restrained composite tube shafts with nonlocal and strain gradient effects**  
UZUN B., YAYLI M. Ö., CİVALEK Ö.  
Acta Mechanica, vol.235, no.8, pp.5137-5159, 2024 (SCI-Expanded)
- IV. **On the stability analysis of a restrained FG nanobeam in an elastic matrix with neutral axis effects**  
CİVALEK Ö., UZUN B., Yaylı M. Ö.  
Zeitschrift fur Naturforschung - Section A Journal of Physical Sciences, vol.79, no.7, pp.735-753, 2024 (SCI-Expanded)
- V. **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)
- VI. **Geometrically nonlinear vibration of toroidal sandwich shells with auxetic honeycomb core under periodic/impulsive pressure**  
Mohamad Mirfatah S., Salehipour H., CİVALEK Ö.  
Composite Structures, vol.339, 2024 (SCI-Expanded)
- VII. **On nonlinear buckling of microshells**  
Mirfatah S. M., Shahmohammadi M. A., Salehipour H., CİVALEK Ö.  
International Journal of Engineering Science, vol.199, 2024 (SCI-Expanded)
- 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.  
Aerospace Science and Technology, vol.148, 2024 (SCI-Expanded)
- IX. **Elastic medium and torsional spring effects on the nonlocal dynamic of functionally graded porous nanotubes**  
UZUN B., YAYLI M. Ö., CİVALEK Ö.  
Archive of Applied Mechanics, vol.94, no.5, pp.1291-1311, 2024 (SCI-Expanded)
- X. **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)
- XI. **The mechanical response of nanobeams considering the flexoelectric phenomenon in the temperature environment**  
Luu G. T., CİVALEK Ö., Van Tuyen B.

Archive of Applied Mechanics, vol.94, no.3, pp.493-514, 2024 (SCI-Expanded)

- XII. **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)
- XIII. **On shear-dependent vibration of nano frames**  
Numanoğlu H. M., CİVALEK Ö.  
International Journal of Engineering Science, vol.195, 2024 (SCI-Expanded)
- XIV. **An investigation on static, vibration and stability analyses of elastically restrained FG porous Timoshenko nanobeams**  
UZUN B., YAYLI M. Ö., CİVALEK Ö.  
Microsystem Technologies, 2024 (SCI-Expanded)
- XV. **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.  
International Journal of Structural Stability and Dynamics, 2024 (SCI-Expanded)
- XVI. **Nonlinear stability analysis of embedded restrained nanobeams using the Stokes' transformation**  
UZUN B., CİVALEK Ö., YAYLI M. Ö.  
Mechanics Based Design of Structures and Machines, vol.52, no.5, pp.2504-2531, 2024 (SCI-Expanded)
- 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.  
Mechanics of Advanced Materials and Structures, vol.31, no.8, pp.1760-1776, 2024 (SCI-Expanded)
- XVIII. **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)
- XIX. **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.  
Mechanics Based Design of Structures and Machines, vol.52, no.11, pp.9122-9143, 2024 (SCI-Expanded)
- XX. **Size-dependent Levinson beam theory for thermal vibration of a nanobeam with deformable boundary conditions**  
CİVALEK Ö., DELİKTAŞ B., UZUN B., YAYLI M. Ö.  
ZAMM Zeitschrift für Angewandte Mathematik und Mechanik, vol.103, no.12, 2023 (SCI-Expanded)
- XXI. **Size-dependent nonlinear stability response of perforated nano/microbeams via Fourier series**  
CİVALEK Ö., UZUN B., YAYLI M. Ö.  
Archive of Applied Mechanics, vol.93, no.12, pp.4425-4443, 2023 (SCI-Expanded)
- XXII. **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)
- XXIII. **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)
- XXIV. **Thermomechanical vibration analysis of a restrained nanobeam**  
CİVALEK Ö., UZUN B., YAYLI M. Ö.  
Microsystem Technologies, vol.29, no.11, pp.1601-1613, 2023 (SCI-Expanded)
- XXV. **On analysis of nanocomposite conical structures**  
Dastjerdi S., CİVALEK Ö., Malikan M., AKGÖZ B.  
International Journal of Engineering Science, vol.191, 2023 (SCI-Expanded)
- XXVI. **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)
- XXVII. **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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- XXVIII. **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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- 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.  
Composite Structures, vol.315, 2023 (SCI-Expanded)
- XXX. **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.  
Computers and Mathematics with Applications, vol.141, pp.102-115, 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.  
Engineering Structures, vol.284, 2023 (SCI-Expanded)
- XXXII. **A Hardening Nonlocal Elasticity Approach to Axial Vibration Analysis of an Arbitrarily Supported FG Nanorod**  
UZUN B., CİVALEK Ö., YAYLI M. Ö.  
Physical Mesomechanics, vol.26, no.3, pp.295-312, 2023 (SCI-Expanded)
- XXXIII. **A hardening nonlocal approach for vibration of axially loaded nanobeam with deformable boundaries**  
UZUN B., CİVALEK Ö., YAYLI M. Ö.  
Acta Mechanica, vol.234, no.5, pp.2205-2222, 2023 (SCI-Expanded)
- XXXIV. **Higher order finite element models for transient analysis of strain gradient functionally graded microplates**  
Karamanli A., Vo T. P., CİVALEK Ö.  
European Journal of Mechanics, A/Solids, vol.99, 2023 (SCI-Expanded)
- XXXV. **An improved first-order mixed plate element for static bending and free vibration analysis of functionally graded sandwich plates**  
Van Vinh P., Belarbi M., AVCAR M., CİVALEK Ö.  
Archive of Applied Mechanics, vol.93, no.5, pp.1841-1862, 2023 (SCI-Expanded)
- XXXVI. **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.  
International Journal of Structural Stability and Dynamics, vol.23, no.7, 2023 (SCI-Expanded)
- XXXVII. **Torsional and axial vibration of restrained saturated nanorods via strain gradient elasticity**  
UZUN B., CİVALEK Ö., YAYLI M. Ö.  
Archive of Applied Mechanics, vol.93, no.4, pp.1605-1630, 2023 (SCI-Expanded)
- XXXVIII. **Natural frequency investigation of graphene oxide powder nanocomposite cylindrical shells surrounded by Winkler/Pasternak/Kerr elastic foundations with a focus on various boundary conditions**  
Sobhani E., Koohestani M., CİVALEK Ö., AVCAR M.  
Engineering Analysis with Boundary Elements, vol.149, pp.38-51, 2023 (SCI-Expanded)
- XXXIX. **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., Civalek O.

MECHANICS OF ADVANCED MATERIALS AND STRUCTURES, vol.30, no.8, pp.1574-1590, 2023 (SCI-Expanded)

- XL. **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.  
Archives of Civil and Mechanical Engineering, vol.23, no.1, 2023 (SCI-Expanded)
- XLII. **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)
- XLIII. **Critical buckling loads of embedded perforated microbeams with arbitrary boundary conditions via an efficient solution method**  
UZUN B., CİVALEK Ö., Yaylı M. Ö.  
Zeitschrift für Naturforschung - Section A Journal of Physical Sciences, vol.78, no.2, pp.195-207, 2023 (SCI-Expanded)
- XLIV. **On vibrational-based numerical simulation of a jet engine cowl shell-like structure**  
Sobhani E., Masoodi A. R., CİVALEK Ö.  
Mechanics of Advanced Materials and Structures, vol.30, no.19, pp.4016-4027, 2023 (SCI-Expanded)
- XLV. **Torsional static and free vibration analysis of noncircular short-fiber-reinforced microwires with arbitrary boundary conditions**  
CİVALEK Ö., UZUN B., YAYLI M. Ö.  
Polymer Composites, 2023 (SCI-Expanded)
- XLVI. **The influence of non-linear carbon nanotube reinforcement on the natural frequencies of composite beams**  
AVCAR M., Hadji L., CİVALEK Ö.  
Advances in Nano Research, vol.14, no.5, pp.421-433, 2023 (SCI-Expanded)
- XLVII. **Thermal buckling analysis of a saturated porous thick nanobeam with arbitrary boundary conditions**  
CİVALEK Ö., UZUN B., YAYLI M. Ö.  
Journal of Thermal Stresses, vol.46, no.1, pp.1-21, 2023 (SCI-Expanded)
- XLVIII. **On nonlinear forced vibration of micro scaled panels**  
Shahmohammadi M. A., Mirfatah S. M., Salehipour H., CİVALEK Ö.  
International Journal of Engineering Science, vol.182, 2023 (SCI-Expanded)
- XLIX. **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.  
Composite Structures, vol.301, 2022 (SCI-Expanded)
- L. **Viscoelasticity in Large Deformation Analysis of Hyperelastic Structures**  
Dastjerdi S., AKGÖZ B., CİVALEK Ö.  
Materials, vol.15, no.23, 2022 (SCI-Expanded)
- LI. **Size dependent torsional vibration of a restrained single walled carbon nanotube (SWCNT) via nonlocal strain gradient approach**  
CİVALEK Ö., UZUN B., YAYLI M. Ö.  
Materials Today Communications, vol.33, 2022 (SCI-Expanded)
- LII. **Buckling Analysis of Functionally Graded Tapered Microbeams via Rayleigh–Ritz Method**  
AKGÖZ B., CİVALEK Ö.  
Mathematics, vol.10, no.23, 2022 (SCI-Expanded)
- LIII. **Nonlocal strain gradient approach for axial vibration analysis of arbitrary restrained nanorod**  
UZUN B., CİVALEK Ö., YAYLI M. Ö.  
Journal of the Brazilian Society of Mechanical Sciences and Engineering, vol.44, no.11, 2022 (SCI-Expanded)
- LIV. **Wave propagation analysis of sandwich FGM nanoplate surrounded by viscoelastic foundation**  
Eyvazian A., Zhang C., CİVALEK Ö., Khan A., Sebaey T. A., Farouk N.

Archives of Civil and Mechanical Engineering, vol.22, no.4, 2022 (SCI-Expanded)

- LIV. **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.  
Engineering Analysis with Boundary Elements, vol.143, pp.483-500, 2022 (SCI-Expanded)
- LV. **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)
- LVI. **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)
- LVII. **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)
- LVIII. **Nonlocal thermoelastic vibration of a solid medium subjected to a pulsed heat flux via Caputo-Fabrizio fractional derivative heat conduction**  
Abouelregal A. E., AKGÖZ B., CİVALEK Ö.  
Applied Physics A: Materials Science and Processing, vol.128, no.8, 2022 (SCI-Expanded)
- LIX. **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)
- LX. **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)
- LXI. **Novel size-dependent finite element formulation for modal analysis of cracked nanorods**  
Numanoğlu H. M., CİVALEK Ö.  
Materials Today Communications, vol.31, 2022 (SCI-Expanded)
- LXII. **Torsional and longitudinal vibration analysis of a porous nanorod with arbitrary boundaries**  
CİVALEK Ö., UZUN B., YAYLI M. Ö.  
Physica B: Condensed Matter, vol.633, 2022 (SCI-Expanded)
- LXIII. **Parametric vibration of a dielectric elastomer microbeam resonator based on a hyperelastic cosserat continuum model**  
Alibakhshi A., Dastjerdi S., AKGÖZ B., CİVALEK Ö.  
COMPOSITE STRUCTURES, vol.287, 2022 (SCI-Expanded)
- LXIV. **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.  
Engineering Analysis with Boundary Elements, vol.138, pp.369-389, 2022 (SCI-Expanded)
- LXV. **An eigenvalue solution for torsional vibrations of restrained porous nanorods using doublet mechanics theory**  
CİVALEK Ö., UZUN B., YAYLI M. Ö.  
JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING, vol.44, no.4, 2022 (SCI-Expanded)
- LXVI. **Finite element formulation for nano-scaled beam elements**  
CİVALEK Ö., UZUN B., YAYLI M. Ö.  
ZAMM-ZEITSCHRIFT FÜR ANGEWANDTE MATHEMATIK UND MECHANIK, vol.102, no.3, 2022 (SCI-Expanded)
- LXVII. **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.  
COMPOSITE STRUCTURES, vol.283, 2022 (SCI-Expanded)
- LXVIII. Dynamic Analysis of Functionally Graded Porous Microbeams under Moving Load**  
Akbaş Ş. D., Dastjerdi S., AKGÖZ B., CİVALEK Ö.  
Transport in Porous Media, vol.142, no.1-2, pp.209-227, 2022 (SCI-Expanded)
- LXIX. An effective analytical method for buckling solutions of a restrained FGM nonlocal beam**  
CİVALEK Ö., UZUN B., YAYLI M. Ö.  
COMPUTATIONAL & APPLIED MATHEMATICS, vol.41, no.2, 2022 (SCI-Expanded)
- LXX. Torsional vibrations of functionally graded restrained nanotubes**  
CİVALEK Ö., UZUN B., YAYLI M. Ö.  
EUROPEAN PHYSICAL JOURNAL PLUS, vol.137, no.1, 2022 (SCI-Expanded)
- LXXI. Buckling and free vibrations of CNT-reinforced cross-ply laminated composite plates**  
Civalek O., Dastjerdi S., AKGÖZ B.  
MECHANICS BASED DESIGN OF STRUCTURES AND MACHINES, vol.50, no.6, pp.1914-1931, 2022 (SCI-Expanded)
- LXXII. A Fourier sine series solution of static and dynamic response of nano/micro micro-scaled FG rod under torsional effect**  
CİVALEK Ö., UZUN B., YAYLI M. Ö.  
Advances in Nano Research, vol.12, no.5, pp.467-482, 2022 (SCI-Expanded)
- LXXIII. Axial and torsional free vibrations of restrained single-walled boron nitride nanotube (SWBNNT) embedded in an elastic medium via nonlocal strain gradient theory**  
UZUN B., CİVALEK Ö., YAYLI M. Ö.  
Waves in Random and Complex Media, 2022 (SCI-Expanded)
- LXXIV. 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.  
International Journal of Engineering Science, vol.170, 2022 (SCI-Expanded)
- LXXV. 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.  
MECHANICS BASED DESIGN OF STRUCTURES AND MACHINES, vol.50, no.6, pp.2184-2205, 2022 (SCI-Expanded)
- LXXVI. A new heat conduction model for viscoelastic micro beams considering the magnetic field and thermal effects**  
Abouelregal A. E., ERSOY H., CİVALEK Ö.  
WAVES IN RANDOM AND COMPLEX MEDIA, 2021 (SCI-Expanded)
- LXXVII. Longitudinal vibration analysis of FG nanorod restrained with axial springs using doublet mechanics**  
CİVALEK Ö., UZUN B., YAYLI M. Ö.  
WAVES IN RANDOM AND COMPLEX MEDIA, 2021 (SCI-Expanded)
- LXXVIII. Higher-order time-differential heat transfer model with three-phase lag including memory-dependent derivatives**  
Abouelregal A. E., CİVALEK Ö., ÖZTOP H. F.  
INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, vol.128, 2021 (SCI-Expanded)
- LXXIX. Derivation of nonlocal FEM formulation for thermo-elastic Timoshenko beams on elastic matrix**  
Numanoglu H. M., Ersoy H., Civalek O., Ferreira A. J. M.  
COMPOSITE STRUCTURES, vol.273, 2021 (SCI-Expanded)
- LXXX. On the generalized model of shell structures with functional cross-sections**  
DASTJERDI S., MALIKAN M., EREMEYEV V. A., AKGÖZ B., CİVALEK Ö.  
COMPOSITE STRUCTURES, vol.272, 2021 (SCI-Expanded)
- LXXXI. On the mechanical analysis of microcrystalline cellulose sheets**  
DASTJERDI S., NAEIJIAN F., AKGÖZ B., Civalek O.  
INTERNATIONAL JOURNAL OF ENGINEERING SCIENCE, vol.166, 2021 (SCI-Expanded)
- LXXXII. An accurate numerical approach for studying perovskite solar cells**

- Ragb O., Mohamed M., Matbuly M. S., CİVALEK Ö.  
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.45, no.11, pp.16456-16477, 2021 (SCI-Expanded)
- LXXXIII. **Solution of Moore-Gibson-Thompson Equation of an Unbounded Medium with a Cylindrical Hole**  
Abouelregal A. E., ERSOY H., CİVALEK Ö.  
MATHEMATICS, vol.9, no.13, 2021 (SCI-Expanded)
- LXXXIV. **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.  
MATHEMATICS, vol.9, no.9, 2021 (SCI-Expanded)
- LXXXV. **Forced Vibration Analysis of Composite Beams Reinforced by Carbon Nanotubes**  
Civalek O., Akbas S. D., AKGÖZ B., DASTJERDI S.  
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## Awards

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