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Education Information

Doctorate, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, İNŞAAT MÜHENDİSLİĞİ, Turkey 2019 - 2023
Postgraduate, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, İnşaat Mühendisliği, Turkey 2018 - 2019
Postgraduate, Akdeniz University, Institute Of Science, İnşaat Mühendisliği, Turkey 2016 - 2018
Undergraduate, Anadolu University, Faculty Of Busıness Admınıstratıon, Department Of Busıness, Turkey 2013 - 2016
Undergraduate, Akdeniz University, Faculty Of Engineering, Department Of Civil Engineering, Turkey 2012 - 2016

Research Areas

Civil Engineering

Academic Titles / Tasks

Assistant Professor, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, İNŞAAT MÜHENDİSLİĞİ, 2024 - Continues
Research Assistant, Bursa Uludağ University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2018 - 2024

Courses

Nanoteknoloji ve Nanomekaniğe Giriş, Undergraduate, 2024 - 2025
Dinamik, Undergraduate, 2023 - 2024
Deprem Mühendisliğinde İleri Matris Metotlar, Postgraduate, 2023 - 2024
Yapı Mekaniğinde Bilgisayar Uygulamaları, Undergraduate, 2023 - 2024
Deprem Mühendisliğinde İleri Matris Metotlar, Postgraduate, 2024 - 2025

Jury Memberships

Doctorate, Doctorate, Bursa Uludağ Üniversitesi, August, 2024
Post Graduate, Post Graduate, Kütahya Dumlupınar Üniversitesi, July, 2024

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Accurate and efficient analytical simulation of free vibration for embedded nonlocal CNTRC beams with general boundary conditions**
UZUN B., YAYLI M. Ö.
Physica B: Condensed Matter, vol.695, 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, no.11, pp.3555-3572, 2024 (SCI-Expanded)

III. **An investigation on static, vibration and stability analyses of elastically restrained FG porous Timoshenko nanobeams**
Uzun B., YAYLI M. Ö., CİVALEK Ö.
MICROSYSTEM TECHNOLOGIES-MICRO-AND NANOSYSTEMS-INFORMATION STORAGE AND PROCESSING SYSTEMS, 2024 (SCI-Expanded)

IV. **An investigation on ensemble machine learning algorithms for nonlinear stability response of a two-dimensional FG nanobeam**
Tariq A., Uzun B., DELİKTAŞ B., YAYLI M. Ö.
JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING, no.9, 2024 (SCI-Expanded)

V. **On the thermo-mechanical vibration of an embedded short-fiber-reinforced nanobeam**
AKPINAR M., Uzun B., YAYLI M. Ö.
ADVANCES IN NANO RESEARCH, no.3, pp.197-211, 2024 (SCI-Expanded)

VI. **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)

VII. **Analyzing torsional vibration in restrained functionally graded nanobeams: nonlocal Lam strain gradient approach**
Kafkas U., UZUN B., YAYLI M. Ö.
Journal of the Brazilian Society of Mechanical Sciences and Engineering, vol.46, no.8, 2024 (SCI-Expanded)

VIII. **A machine learning approach for buckling analysis of a bi-directional FG microbeam**
Tariq A., Uzun B., DELİKTAŞ B., YAYLI M. Ö.
MICROSYSTEM TECHNOLOGIES-MICRO-AND NANOSYSTEMS-INFORMATION STORAGE AND PROCESSING SYSTEMS, 2024 (SCI-Expanded)

IX. **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)

X. **On the stability analysis of a restrained FG nanobeam in an elastic matrix with neutral axis effects**
CİVALEK Ö., Uzun B., YAYLI M. Ö.
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL SCIENCES, vol.79, no.7, pp.735-753, 2024 (SCI-Expanded)

XI. **A Unified Technique for Stability Analysis of an Embedded FG Porous Nano/Microbeam via Modified Couple Stress Theory**
Uzun B., Yaylı M. Ö.
Nano, vol.1, pp.1-20, 2024 (SCI-Expanded)

XII. **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)

XIII. **Free Vibration of a Carbon Nanotube-Reinforced Nanowire/Nanobeam with Movable Ends**
UZUN B., YAYLI M. Ö.
Journal of Vibration Engineering and Technologies, vol.12, no.4, pp.6847-6863, 2024 (SCI-Expanded)

XIV. **Assessment of machine learning methods predicting the axial vibration frequencies of microbars**
Tariq A., UZUN B., DELİKTAŞ B., YAYLI M. Ö.
ZAMM-ZEITSCHRIFT FUR ANGEWANDTE MATHEMATIK UND MECHANIK, vol.104, no.3, 2024 (SCI-Expanded)

XV. **Porosity and Deformable Boundary Effects on the Dynamic of Nonlocal Sigmoid and Power-Law FG Nanobeams Embedded in the Winkler-Pasternak Medium**
Uzun B., YAYLI M. Ö.
JOURNAL OF VIBRATION ENGINEERING & TECHNOLOGIES, vol.12, no.3, pp.3193-3212, 2024 (SCI-Expanded)

XVI. **Rotary inertia effect on dynamic analysis of embedded FG porous nanobeams under deformable boundary conditions with the effect of neutral axis**
Uzun B., YAYLI M. Ö.
JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING, vol.46, no.2, 2024 (SCI-Expanded)

XVII. **Size dependent torsional vibration of a rotationally restrained circular FG nanorod via strain gradient nonlocal elasticity**
Uzun B., CİVALEK Ö., Yaylib M. Ö.
ADVANCES IN NANO RESEARCH, no.2, pp.175-186, 2024 (SCI-Expanded)

XVIII. **Winkler-Pasternak foundation effect on the buckling loads of arbitrarily rigid or restrained supported nonlocal beams made of different FGM and porosity distributions**
UZUN B., YAYLI M. Ö.
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XIX. **Porosity effects on the dynamic response of arbitrary restrained FG nanobeam based on the MCST**
Uzun B., Yaylı M. Ö.
Zeitschrift fur Naturforschung - Section A Journal of Physical Sciences, vol.79, no.2, pp.183-197, 2024 (SCI-Expanded)

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

XXI. **Application of machine learning methodology for investigating the vibration behavior of functionally graded porous nanobeams**
Tariq A., UZUN B., DELİKTAŞ B., YAYLI M. Ö.
Journal of Strain Analysis for Engineering Design, 2024 (SCI-Expanded)

XXII. **Stokes' transform solution method for dynamics of a short-fiber-reinforced nanorod via second-order strain gradient theory**
AKPINAR M., UZUN B., YAYLI M. Ö.
Mechanics Based Design of Structures and Machines, 2024 (SCI-Expanded)

XXIII. **A Combined Method for the Stability Characteristics of FG Porous Nanobeams Embedded in an Elastic Matrix**
UZUN B., YAYLI M. Ö.
Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2024 (SCI-Expanded)

XXIV. **Torsional vibration behavior of a restrained non-circular nanowire in an elastic matrix**
UZUN B., Kafkas U., YAYLI M. Ö., Güçlü G.
Mechanics Based Design of Structures and Machines, vol.52, no.10, pp.8216-8248, 2024 (SCI-Expanded)

XXV. **Vibration analysis of embedded porous nanobeams under thermal effects using boosting machine learning algorithms and semi-analytical approach**
Tariq A., UZUN B., DELİKTAŞ B., YAYLI M. Ö.
Mechanics of Advanced Materials and Structures, 2024 (SCI-Expanded)

XXVI. **Size-dependent Levinson beam theory for thermal vibration of a nanobeam with deformable boundary conditions**
CİVALEK Ö., DELİKTAŞ B., Uzun B., Yayli M. O.
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XXVII. **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)

XXVIII. **Stability analysis of arbitrary restrained nanobeam embedded in an elastic medium via nonlocal strain gradient theory**

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XXIX. **Thermomechanical vibration analysis of a restrained nanobeam**

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MICROSYSTEM TECHNOLOGIES-MICRO-AND NANOSYSTEMS-INFORMATION STORAGE AND PROCESSING SYSTEMS, vol.29, no.11, pp.1601-1613, 2023 (SCI-Expanded)

XXX. **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)

XXXI. **Buckling analysis of perforated nano/microbeams with deformable boundary conditions via nonlocal strain gradient elasticity**

Kafkas U., Unal Y., YAYLI M. Ö., Uzun B.

ADVANCES IN NANO RESEARCH, no.4, pp.339-353, 2023 (SCI-Expanded)

XXXII. **On nonlinear stability analysis of saturated embedded porous nanobeams**

Civalek Ö., Uzun B., Yaylı M. Ö.

International Journal of Engineering Science, vol.190, 2023 (SCI-Expanded)

XXXIII. **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.

ZAMM-ZEITSCHRIFT FUR ANGEWANDTE MATHEMATIK UND MECHANIK, vol.103, no.9, 2023 (SCI-Expanded)

XXXIV. **Thermal vibration of perforated nanobeams with deformable boundary conditions via nonlocal strain gradient theory**

Kafkas U., Uzun B., YAYLI M. Ö., Guclu G.

ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL SCIENCES, vol.78, no.8, pp.681-701, 2023 (SCI-Expanded)

XXXV. **Torsional static and vibration analysis of a non-circular restrained micro/nanowire**

Uzun B., Yaylı M. Ö.

WAVES IN RANDOM AND COMPLEX MEDIA, vol.2023, pp.1-25, 2023 (SCI-Expanded)

XXXVI. **A Hardening Nonlocal Elasticity Approach to Axial Vibration Analysis of an Arbitrarily Supported FG Nanorod**

Uzun B., Civalek O., YAYLI M. Ö.

PHYSICAL MESOMECHANICS, vol.26, no.3, pp.295-312, 2023 (SCI-Expanded)

XXXVII. **A hardening nonlocal approach for vibration of axially loaded nanobeam with deformable boundaries**

Uzun B., Civalek Ö., Yaylı M. Ö.

Acta Mechanica, vol.234, no.5, pp.2205-2222, 2023 (SCI-Expanded)

XXXVIII. **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)

XXXIX. **Size-Dependent Vibration of Porous Bishop Nanorod with Arbitrary Boundary Conditions and Nonlocal Elasticity Effects**

UZUN B., Kafkas U., DELİKTAŞ B., YAYLI M. Ö.

JOURNAL OF VIBRATION ENGINEERING & TECHNOLOGIES, vol.11, no.3, pp.809-826, 2023 (SCI-Expanded)

XL. **Critical buckling loads of embedded perforated microbeams with arbitrary boundary conditions via an efficient solution method**

Uzun B., Civalek Ö., Yaylı M. Ö.

Zeitschrift fur Naturforschung - Section A Journal of Physical Sciences, vol.78, no.2, pp.195-207, 2023 (SCI-

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XLI. **Torsional static and free vibration analysis of noncircular short-fiber-reinforced microwires with arbitrary boundary conditions**
Civalek Ö., Uzun B., Yaylı M. Ö.
Polymer Composites, 2023 (SCI-Expanded)

XLII. **Vibration of FG nano-sized beams embedded in Winkler elastic foundation and with various boundary conditions**
Uzun B., Civalek Ö., Yaylı M. Ö.
Mechanics Based Design of Structures and Machines, vol.51, no.1, pp.481-500, 2023 (SCI-Expanded)

XLIII. **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)

XLIV. **Size dependent torsional vibration of a restrained single walled carbon nanotube (SWCNT) via nonlocal strain gradient approach**
Civalek O., UZUN B., YAYLI M. Ö.
MATERIALS TODAY COMMUNICATIONS, vol.33, 2022 (SCI-Expanded)

XLV. **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)

XLVI. **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)

XLVII. **Nonlocal Free Vibration of Embedded Short-Fiber-Reinforced Nano-/Micro-Rods with Deformable Boundary Conditions**
CİVALEK Ö., UZUN B., YAYLI M. Ö.
MATERIALS, vol.15, no.19, 2022 (SCI-Expanded)

XLVIII. **Porosity dependent torsional vibrations of restrained FG nanotubes using modified couple stress theory**
UZUN B., Yaylı M. Ö.
MATERIALS TODAY COMMUNICATIONS, vol.32, 2022 (SCI-Expanded)

XLIX. **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)

L. **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)

LI. **An effective analytical method for buckling solutions of a restrained FGM nonlocal beam**
Civalek O., UZUN B., YAYLI M. Ö.
COMPUTATIONAL & APPLIED MATHEMATICS, vol.41, no.2, 2022 (SCI-Expanded)

LII. **Finite element formulation for nano-scaled beam elements**
Civalek Ö., Uzun B., Yaylı M. Ö.
ZAMM Zeitschrift fur Angewandte Mathematik und Mechanik, vol.102, no.3, 2022 (SCI-Expanded)

LIII. **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)

LIV. **Buckling analysis of restrained nanobeams using strain gradient elasticity**
Yaylı M. Ö., Uzun B., Deliktaş B.

Waves in Random and Complex Media, vol.32, no.6, pp.2960-2979, 2022 (SCI-Expanded)

LV. **A Fourier sine series solution of static and dynamic response of nano/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)

LVI. **Buckling analysis of nanobeams with deformable boundaries via doublet mechanics**
Civalek O., UZUN B., YAYLI M. Ö.
ARCHIVE OF APPLIED MECHANICS, vol.91, no.12, pp.4765-4782, 2021 (SCI-Expanded)

LVII. **Size-Dependent Free Vibration of Silicon Nanobeams with Different Boundary Conditions and Beam Theories**
UZUN B., YAYLI M. Ö.
ACTA PHYSICA POLONICA A, vol.140, no.2, pp.161-174, 2021 (SCI-Expanded)

LVIII. **Free vibration analysis of nanotube based sensors including rotary inertia based on the Rayleigh beam and modified couple stress theories**
Uzun B., Kafkas U., Yaylı M. Ö.
MICROSYSTEM TECHNOLOGIES-MICRO-AND NANOSYSTEMS-INFORMATION STORAGE AND PROCESSING SYSTEMS, vol.27, no.5, pp.1913-1923, 2021 (SCI-Expanded)

LIX. **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)

LX. **Axial dynamic analysis of a Bishop nanorod with arbitrary boundary conditions**
Uzun B., Kafkas U., Yaylı M. Ö.
ZAMM-ZEITSCHRIFT FUR ANGEWANDTE MATHEMATIK UND MECHANIK, vol.100, no.12, 2020 (SCI-Expanded)

LXI. **Stability analysis of restrained nanotubes placed in electromagnetic field**
Uzun B., Kafkas U., Yaylı M. Ö.
MICROSYSTEM TECHNOLOGIES-MICRO-AND NANOSYSTEMS-INFORMATION STORAGE AND PROCESSING SYSTEMS, vol.26, no.12, pp.3725-3736, 2020 (SCI-Expanded)

LXII. **Stability analysis of nanobeams placed in electromagnetic field using a finite element method**
Civalek Ö., Uzun B., Yaylı M. Ö.
Arabian Journal of Geosciences, vol.13, 2020 (SCI-Expanded)

LXIII. **Frequency, bending and buckling loads of nanobeams with different cross sections**
Civalek O., Uzun B., Yaylı M. Ö.
ADVANCES IN NANO RESEARCH, vol.9, pp.91-104, 2020 (SCI-Expanded)

LXIV. **Size-dependent transverse and longitudinal vibrations of embedded carbon and silica carbide nanotubes by nonlocal finite element method**
Civalek O., Uzun B., Yaylı M. Ö., Akgöz B.
EUROPEAN PHYSICAL JOURNAL PLUS, vol.135, 2020 (SCI-Expanded)

LXV. **Nonlocal vibration analysis of Ti-6Al-4V/ZrO2 functionally graded nanobeam on elastic matrix**
Uzun B., Yaylı M. Ö.
ARABIAN JOURNAL OF GEOSCIENCES, vol.13, 2020 (SCI-Expanded)

LXVI. **Free vibration of FG nanobeam using a finite-element method**
Uzun B., Yaylı M. Ö., Deliktaş B.
MICRO & NANO LETTERS, vol.15, pp.35-40, 2020 (SCI-Expanded)

LXVII. **Free vibration analysis Silicon nanowires surrounded by elastic matrix by nonlocal finite element method**
UZUN B., CİVALEK Ö.
ADVANCES IN NANO RESEARCH, vol.7, no.2, pp.99-108, 2019 (SCI-Expanded)

LXVIII. **Carbon Nanotube Beam Model and Free Vibration Analysis**
UZUN B., CİVALEK Ö.
International Journal Of Engineering Applied Sciences, vol.10, no.1, pp.1-4, 2018 (SCI-Expanded)

Articles Published in Other Journals

I. **BENDING ANALYSIS OF A PERFORATED MICROBEAM WITH LAPLACE TRANSFORM**
UZUN B., YAYLI M. Ö.
KONYA JOURNAL OF ENGINEERING SCIENCES, pp.22-31, 2023 (ESCI)

II. **Free Vibration Response of a Steel Liquid Storage Tank with Porous and Perforated Columns via an Exact Continuum Method**
Kupeli T., Cavus Y. H., UZUN B., YAYLI M. Ö.
Gazi University Journal of Science, vol.36, no.2, pp.555-571, 2023 (ESCI)

III. **A Finite Element Solution for Bending Analysis of a Nanoframe using Modified Couple Stress Theory**
Uzun B., Yaylı M. Ö.
International Journal of Engineering and Applied Sciences, vol.14, no.1, pp.1-14, 2022 (Peer-Reviewed Journal)

IV. **An EIGENVALUE SOLUTION OF FUNCTIONALLY GRADED NANOBEAM with an ATTACHED SPRING MASS SYSTEM**
Küpeli T., Çavuş Y. H., UZUN B., YAYLI M. Ö.
Uludağ University Journal of The Faculty of Engineering, vol.26, no.3, 2021 (Peer-Reviewed Journal)

V. **EXACT SOLUTIONS FOR AXIAL STATIC ANALYSIS OF NANORODS USING WEIGHTED RESIDUALS**
YAYLI M. Ö., KAFKAS U., UZUN B.
Mühendislik Bilimleri ve Tasarım Dergisi, vol.9, 2021 (Peer-Reviewed Journal)

VI. **A Solution Method for Longitudinal Vibrations of Functionally Graded Nanorods**
Uzun B., Yayli M. Ö.
International Journal of Engineering and Applied Sciences, vol.12, no.2, pp.78-87, 2020 (Peer-Reviewed Journal)

VII. **Finite Element Model of Functionally Graded Nanobeam for Free Vibration Analysis**
UZUN B., YAYLI M. Ö.
International Journal of Engineering and Applied Sciences, vol.11, no.2, pp.387-400, 2019 (Peer-Reviewed Journal)

VIII. **Nonlocal FEM Formulation for Vibration Analysis of Nanowires on Elastic Matrix with Different Materials**
UZUN B., CİVALEK Ö.
MATHEMATICAL AND COMPUTATIONAL APPLICATIONS, vol.24, no.2, 2019 (ESCI)

IX. **Free vibration analysis of BNNT with different cross-Sections via nonlocal FEM**
UZUN B., Numanoglu H. M., CİVALEK Ö.
JOURNAL OF COMPUTATIONAL APPLIED MECHANICS, vol.49, no.2, pp.252-260, 2018 (ESCI)

X. **Defination of length-scale parameter in Eringen's Nonlocal Elasticity via Nolocal Lattice and Finite Element Formulation**
UZUN B., NUMANOĞLU H. M., CİVALEK Ö.
International Journal Of Engineering Applied Sciences, pp.264-275, 2018 (Peer-Reviewed Journal)

XI. **Derivation of Nonlocal Finite Element Formulation for Nano Beams**
NUMANOĞLU H. M., UZUN B., CİVALEK Ö.
International Journal Of Engineering Applied Sciences, pp.131-139, 2018 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. **FONKSİYONEL DERECELENDİRİLMİŞ BİR TIMOSHENKO KİRİŞİNİN ELASTİK SINIR KOŞULLARINDAKİ TİTREŞİM ANALİZİ**
Uzun B., Yaylı M. Ö.
23. Ulusal Mekanik Kongresi, Konya, Turkey, 04 September 2023, pp.370-378

II. **PERFORE BİR MİKRO KİRİŞİN LAPLACE DÖNÜŞÜMÜ İLE EĞİLME ANALİZİ**
Uzun B., Yaylı M. Ö.
23. Ulusal Mekanik Kongresi, Konya, Turkey, 04 September 2023, pp.365-370

III. **FONKSİYONEL DERECELENDİRİLMİŞ BİR NANOÇUBUĞUN BOYUT ETKİSİNE BAĞLI TİTREŞİM ANALİZİ**

Uzun B., Yaylı M. Ö.

22. ULUSAL MEKANİK KONGRESİ, Adana, Turkey, 6 - 10 September 2021, pp.663-670

IV. **Kayıcı Ankastre Mesnet Sınır Koşuluna Sahip Mikro Kirişlerin Değiştirilmiş Gerilme Çifti Teorisi ile Dinamik Analizi**

UZUN B., YAYLI M. Ö.

INTERNATIONAL ONLINE CONFERENCES ON ENGINEERING AND NATURAL SCIENCES (IOCENS'21), Gümüşhane, Turkey, 05 July 2021

V. **Boyut Etkisine Bağlı Nanokirişlerin Kayıcı Ankastre Mesnet Sınır Koşulunda Titreşim Davranışı**

UZUN B., YAYLI M. Ö.

INTERNATIONAL ONLINE CONFERENCES ON ENGINEERING AND NATURAL SCIENCES (IOCENS'21), Gümüşhane, Turkey, 05 July 2021

VI. **Buckling analysis of restrained nanobeams using strain gradient elasticity**

YAYLI M. Ö., UZUN B., DELİKTAŞ B.

23rd International Conference on Computer Methods in Mechanics, 8 - 12 September 2019

Supported Projects

YAYLI M. Ö., UZUN B., Project Supported by Higher Education Institutions, Elastik Sınır Koşullarındaki Fonksiyonel Derecelendirilmiş Nanokirişlerin Porozite ve Boyut Etkisine Bağlı Titreşim Problemleri için Bir Çözüm Yöntemi, 2022 - 2024

Civalek Ö., TUBITAK Project, Nano/Mikro Boyutlu Yapılar İçin Boyut Etkisine Bağlı Sonlu Elemanlar Formülasyonunun Geliştirilmesi, 2017 - 2019

Activities in Scientific Journals

Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, Assistant Editor/Section Editor, 2021 - Continues

Scientific Refereeing

JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING, Journal Indexed in SCI-E, November 2024

EUROPEAN PHYSICAL JOURNAL PLUS, National Scientific Refreed Journal, November 2024

INTERNATIONAL JOURNAL OF NON-LINEAR MECHANICS, Journal Indexed in SCI-E, October 2024

CMC-Computers, Materials & Continua, Journal Indexed in SCI-E, October 2024

Kafkas Üniversitesi Fen Bilimleri Enstitüsü Dergisi, Other journals, October 2024

ACTA MECHANICA, Journal Indexed in SCI-E, September 2024

NONLINEAR DYNAMICS, Journal Indexed in SCI-E, August 2024

ACTA MECHANICA, Journal Indexed in SCI-E, August 2024

EUROPEAN PHYSICAL JOURNAL PLUS, Journal Indexed in SCI-E, August 2024

EUROPEAN JOURNAL OF MECHANICS, A/SOLIDS, Journal Indexed in SCI-E, August 2024

JOURNAL OF CENTRAL SOUTH UNIVERSITY, Journal Indexed in SCI-E, August 2024

STEEL AND COMPOSITE STRUCTURES, Journal Indexed in SCI-E, July 2024

APPLIED MATHEMATICAL MODELLING, Journal Indexed in SCI-E, July 2024

JOURNAL OF VIBRATION ENGINEERING & TECHNOLOGIES, Journal Indexed in SCI-E, July 2024

ZAMM ZEITSCHRIFT FÜR ANGEWANDTE MATHEMATIK UND MECHANIK, Journal Indexed in SCI-E, July 2024

JOURNAL OF CENTRAL SOUTH UNIVERSITY, Journal Indexed in SCI-E, July 2024

ZAMM ZEITSCHRIFT FÜR ANGEWANDTE MATHEMATIK UND MECHANIK, Journal Indexed in SCI-E, July 2024

JOURNAL OF THERMAL STRESSES, Journal Indexed in SCI-E, June 2024

NONLINEAR DYNAMICS, Journal Indexed in SCI-E, June 2024

EUROPEAN JOURNAL OF MECHANICS, A/SOLIDS, Journal Indexed in SCI-E, June 2024

ARCHIVE OF APPLIED MECHANICS, Journal Indexed in SCI-E, May 2024

APPLIED MATHEMATICAL MODELLING, Journal Indexed in SCI-E, May 2024

JOURNAL OF VIBRATION ENGINEERING & TECHNOLOGIES, Journal Indexed in SCI-E, April 2024

JOURNAL OF VIBRATION ENGINEERING & TECHNOLOGIES, Journal Indexed in SCI-E, February 2024

Steel and Composite Structures, SCI Journal, February 2024

JOURNAL OF THERMAL STRESSES, Journal Indexed in SCI-E, February 2024

JOURNAL OF VIBRATION ENGINEERING & TECHNOLOGIES, Journal Indexed in SCI-E, December 2023

JOURNAL OF VIBRATION ENGINEERING & TECHNOLOGIES, Journal Indexed in SCI-E, November 2023

ZAMM ZEITSCHRIFT FÜR ANGEWANDTE MATHEMATIK UND MECHANIK, Journal Indexed in SCI-E, November 2023

MECHANICS OF COMPOSITE MATERIALS, Journal Indexed in SCI-E, October 2023

Mechanics of Advanced Composite Structures, Journal Indexed in SCI-E, August 2023

MECHANICS OF COMPOSITE MATERIALS, Journal Indexed in SCI-E, August 2023

JOURNAL OF THERMAL STRESSES, Journal Indexed in SCI-E, July 2023

STEEL AND COMPOSITE STRUCTURES, SCI Journal, July 2023

International Journal of Engineering and Applied Sciences, Other Indexed Journal, June 2023

Mechanics of Advanced Composite Structures, Journal Indexed in SCI-E, May 2023

Mechanics of Advanced Composite Structures, Journal Indexed in SCI-E, April 2023

ADVANCES IN NANO RESEARCH, Journal Indexed in SCI-E, December 2022

ADVANCES IN NANO RESEARCH, SCI Journal, December 2022

Hittite Journal of Science and Engineering (HJSE), Other Indexed Journal, July 2022

ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL SCIENCES, Journal Indexed in SCI-E, June 2022

WAVES IN RANDOM AND COMPLEX MEDIA, SCI Journal, June 2022

Hittite Journal of Science and Engineering (HJSE), Other Indexed Journal, June 2022

QUARTERLY JOURNAL OF MECHANICS AND APPLIED MATHEMATICS, Journal Indexed in SCI-E, April 2022

ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL SCIENCES, Journal Indexed in SCI-E, March 2022

Cogent Engineering, Journal Indexed in ESCI, February 2022

International Journal of Engineering and Applied Sciences, Other Indexed Journal, December 2021

WAVES IN RANDOM AND COMPLEX MEDIA, SCI Journal, August 2021

International Journal of Engineering and Applied Sciences, Other Indexed Journal, December 2020

WAVES IN RANDOM AND COMPLEX MEDIA, SCI Journal, November 2020

ENGINEERING COMPUTATIONS, Journal Indexed in SCI-E, May 2020

WAVES IN RANDOM AND COMPLEX MEDIA, SCI Journal, March 2020

Metrics

Publication: 86
Citation (WoS): 841
Citation (Scopus): 781
H-Index (WoS): 16
H-Index (Scopus): 15

Awards

Uzun B., En İyi Doktora Tezi Ödülü, Bursa Uludağ Üniversitesi Fen Bilimleri Enstitüsü, July 2024

Uzun B., BİNGÖLBALİ B., Bursa Uludağ Üniversitesi 2021 Yılı Bilim, Özel, Teşvik ve Hizmet Ödülleri kapsamında Teşvik

Ödülü, Bursa Uludağ Üniversitesi Rektörlüğü, December 2022

Ödülü, Bursa Uludağ Üniversitesi Rektörlüğü, December 2022