

Prof. MURAT YAYLACI

Personal Information

Mobile Phone: [+90 542 367 3401](tel:+905423673401)

Office Phone: [+90 464 223 7518](tel:+904642237518) Extension: (1219)-(4411)

Email: murat.yaylaci@erdogan.edu.tr

Other Email: yaylaci_murat@hotmail.com

Web: <https://avesis.erdogan.edu.tr/murat.yaylaci>

Address: RTEÜ MÜH. FAK. ZİHNİ DERİN YERLEŞKESİ

International Researcher IDs

ScholarID: n8eLAWQAAAAJ

ORCID: 0000-0003-0407-1685

Publons / Web Of Science ResearcherID: ABB-5279-2021

ScopusID: 55906015300

Yoksis Researcher ID: 152748

Education Information

Post Doctorate, University of Santiago de Compostela, Faculty of Mathematics, Department of Applied Mathematics, Spain
2021 - 2022

Post Doctorate, Germany 2017 - 2017

Post Doctorate, Universitaet Stuttgart, Institute of Engineering and Computational Mechanics, Institute of Engineering and Computational Mechanics, Germany 2016 - 2016

Doctorate, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, Turkey 2007 - 2013

Postgraduate, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, Turkey 2004 - 2007

Undergraduate, Dumlupınar Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği, Turkey 1999 - 2003

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, İKİ ELASTİK ÇEYREK DÜZLEME OTURAN İKİ ELASTİK TABAKANIN TEMAS PROBLEMİ, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği/ Mekanik Anabilimdalı, 2013

Postgraduate, AÇIK DENİZ YAPILARI VE BUNLARIN TASARIM PARAMETRELERİNİN İRDELENMESİ, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği/ Yapı Anabilimdalı, 2007

Research Areas

Mechanics of Solid Bodies, Civil Engineering, Mechanical, Structural Mechanics, Finite Element Methods, Biomechanics, Engineering and Technology

Academic Titles / Tasks

Professor, Recep Tayyip Erdogan University, MÜHENDİSLİK VE MİMARLIK FAKÜLTESİ, İNŞAAT MÜHENDİSLİĞİ, 2023 - Continues
Associate Professor, Recep Tayyip Erdogan University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2018 - 2023
Assistant Professor, Recep Tayyip Erdogan University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2014 - 2018
Research Assistant, Karadeniz Technical University, Deniz Bilimleri Fakültesi, Gemi İnşaatı Ve Gemi Makineleri Mühendisliği, 2006 - 2014

Academic and Administrative Experience

University Executive Board Member, Recep Tayyip Erdogan University, Mühendislik Ve Mimarlık Fakültesi, İnşaat Mühendisliği, 2024 - Continues
Dean, Recep Tayyip Erdogan University, Turgut Kıran Denizcilik Fakültesi, 2024 - Continues
Member of the Senate, Recep Tayyip Erdogan University, Mühendislik Ve Mimarlık Fakültesi, İnşaat Mühendisliği, 2024 - Continues
Fakülte Kurulu Üyesi, Recep Tayyip Erdogan University, Turgut Kıran Denizcilik Fakültesi, 2024 - Continues
Fakülte Yönetim Kurulu Üyesi, Recep Tayyip Erdogan University, Turgut Kıran Denizcilik Fakültesi, 2024 - Continues
Fakülte Kurulu Üyesi, Recep Tayyip Erdogan University, Mühendislik Ve Mimarlık Fakültesi, İnşaat Mühendisliği, 2023 - Continues
Fakülte Yönetim Kurulu Üyesi, Recep Tayyip Erdogan University, Mühendislik Ve Mimarlık Fakültesi, İnşaat Mühendisliği, 2023 - Continues
Head of Department, Recep Tayyip Erdogan University, MÜHENDİSLİK VE MİMARLIK FAKÜLTESİ, İNŞAAT MÜHENDİSLİĞİ, 2014 - Continues
Vice Dean, Recep Tayyip Erdogan University, Mühendislik Ve Mimarlık Fakültesi, İnşaat Mühendisliği, 2023 - 2024
Recep Tayyip Erdogan University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2017 - 2018
Assistant Director of the Institute, Recep Tayyip Erdogan University, Fen Bilimleri Enstitüsü, 2016 - 2017
Head of Department, Recep Tayyip Erdogan University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2015 - 2016
Deputy Head of Department, Recep Tayyip Erdogan University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2014 - 2015

Courses

KIRILMA MEKANİĞİ, Doctorate, 2023 - 2024, 2022 - 2023, 2020 - 2021
UYGULAMALI SONLU ELEMANLAR ANALİZİ, Postgraduate, 2023 - 2024, 2022 - 2023, 2020 - 2021, 2018 - 2019, 2017 - 2018
UZMANLIK ALAN DERSLERİ II, Postgraduate, 2023 - 2024, 2022 - 2023, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015
UZMANLIK ALAN DERSİ II, Doctorate, 2023 - 2024, 2022 - 2023, 2020 - 2021, 2019 - 2020
YÜKSEK LİSANS TEZİ, Postgraduate, 2023 - 2024, 2022 - 2023, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017
MUKAVEMET II, Undergraduate, 2023 - 2024, 2022 - 2023, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015
UZMANLIK ALAN DERSİ-I, Postgraduate, 2023 - 2024, 2022 - 2023, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015
Bitirme Tezi, Undergraduate, 2023 - 2024, 2022 - 2023, 2020 - 2021, 2019 - 2020
STATİK, Undergraduate, 2023 - 2024, 2022 - 2023, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014
UZMANLIK ALAN DERSİ I, Doctorate, 2023 - 2024, 2022 - 2023, 2020 - 2021, 2019 - 2020
ELASTİSİTE TEORİSİ, Postgraduate, 2023 - 2024, 2022 - 2023, 2020 - 2021, 2019 - 2020, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

Doktora Tezi, Doctorate, 2023 - 2024, 2022 - 2023
İNŞAAT MÜHENDİSLİĞİNDE ANSYS UYGULAMALARI, Doctorate, 2023 - 2024, 2022 - 2023, 2020 - 2021
DİNAMİK, Undergraduate, 2023 - 2024, 2022 - 2023, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2016 - 2017, 2015 - 2016, 2014 - 2015
SONLU ELEMANLAR YÖNTEMİNE GİRİŞ, Doctorate, 2023 - 2024, 2022 - 2023, 2020 - 2021
MUKAVEMET I, Undergraduate, 2023 - 2024, 2022 - 2023, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015
SUNUM VE SUNUŞ TEKNİKLERİ, Undergraduate, 2023 - 2024, 2022 - 2023, 2020 - 2021, 2019 - 2020
İNTEGRAL DÖNÜŞÜM TEKNİKLERİ, Postgraduate, 2023 - 2024, 2022 - 2023, 2019 - 2020, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015
TEMAS PROBLEMLERİNDE ANSYS UYGULAMALARI, Postgraduate, 2023 - 2024, 2022 - 2023, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017
SEMİNER, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016
SEMİNER, Doctorate, 2019 - 2020
YAPI STATİĞİ, Undergraduate, 2019 - 2020, 2016 - 2017, 2014 - 2015
DÖNEM PROJESİ, Postgraduate, 2019 - 2020
Mühendislik Bitirme Tezi-II, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017
YAPI İŞLERİNDE İSG, Postgraduate, 2018 - 2019
MUHENDİSLİK MEKANİĞİ, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2015 - 2016, 2014 - 2015
Mühendislik Bitirme Tezi-I, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017
YAPI MALZEMELERİ, Associate Degree, 2016 - 2017
Malzeme Bilimi ve Yapı Malzemeleri, Associate Degree, 2016 - 2017
YAPI DENETİM UYGULAMALARI, Associate Degree, 2014 - 2015
ELASTİSİTE TEORİSİ, Postgraduate, 2015 - 2016
PROJE, Associate Degree, 2014 - 2015
TEKNİK RESİM, Associate Degree, 2014 - 2015
ÇELİK YAPILAR, Associate Degree, 2014 - 2015

Advising Theses

Yaylacı M., Pas payı yüksekliğinin kirişli betonarme döşeme hesaplarına etkisi, Postgraduate, M.ZEYTİN(Student), 2023
Yaylacı M., TBDY 2018'e göre betonarme yapıların farklı tip sismik izolatör birimleri kullanılarak modellenmesi ve analizi, Postgraduate, Ş.ÖZTÜRK(Student), 2023
Yaylacı M., Dolgu barajlarda şev stabilitesi analizi, Postgraduate, Ş.ONAT(Student), 2023
Yaylacı M., Farklı tasarımdaki dental implantların sayısal analizi, Postgraduate, C.AYDIN(Student), 2023
Yaylacı M., Sonlu elemanlar yöntemi ile balık kafeslerinin katı sıvı etkileşim analizi, Postgraduate, M.EMİN(Student), 2021
YAYLACI M., Kemik Dokuda ve İmplant Çevresindeki Gerilme Dağılımına Farklı Protez Tasarımlarının Etkisinin İncelenmesi, Postgraduate, G.NUR(Student), 2020
YAYLACI M., Kemik Dokuda ve İmplant Çevresindeki Gerilme Dağılımına Farklı Protez Malzemelerin Etkisinin İncelenmesi, Postgraduate, M.TERZİ(Student), 2020
YAYLACI M., 2007 ve 2018 Türkiye Deprem Yönetmeliklerine Göre Farklı Döşeme Sistemlerine Sahip Betonarme Bir Yapının Deprem Davranışlarının Karşılaştırılması, Postgraduate, G.EDA(Student), 2020
YAYLACI M., Yarım Düzlem Üzerine Oturan Fonksiyonel Derecelendirilmiş Tabakanın Temas Problemi, Postgraduate, M.YAYLI(Student), 2019
YAYLACI M., Rijit Bir Panç Aracılığıyla Yüklenmiş Ve Rijit Temele Bağlanmış Fonksiyonel Derecelendirilmiş Tabakanın Temas Problemi, Postgraduate, M.ABANOZ(Student), 2018

Advising Graduates (Non-Thesis)

Yaylacı M., YAPI İŞLERİNDE İSG, Masters (Non-Thesis), A.DÖNE(Student), 2020
Yaylacı M., YAPI İŞLERİNDE İSG, Masters (Non-Thesis), G.AYDIN(Student), 2020
Yaylacı M., YAPI İŞLERİNDE İSG, Masters (Non-Thesis), S.TOPALOĞLU(Student), 2020
Yaylacı M., YAPI İŞLERİNDE İSG, Masters (Non-Thesis), M.ŞENOL(Student), 2020
Yaylacı M., YAPI İŞLERİNDE İSG, Masters (Non-Thesis), B.KOÇAK(Student), 2020
Yaylacı M., YAPI İŞLERİNDE İSG, Masters (Non-Thesis), F.DERECİ(Student), 2019
Yaylacı M., YAPI İŞLERİNDE İSG, Masters (Non-Thesis), Ö.ÖZGÜR(Student), 2019
Yaylacı M., YAPI İŞLERİNDE İSG, Masters (Non-Thesis), A.KÖSEOĞLU(Student), 2019
Yaylacı M., YAPI İŞLERİNDE İSG, Masters (Non-Thesis), T.DORUM(Student), 2019
Yaylacı M., YAPI İŞLERİNDE İSG, Masters (Non-Thesis), F.BAYKUŞAK(Student), 2019
Yaylacı M., YAPI İŞLERİNDE İSG, Masters (Non-Thesis), K.DEDEMEN(Student), 2019
Yaylacı M., YAPI İŞLERİNDE İSG, Masters (Non-Thesis), Y.KESKİN(Student), 2019

Jury Memberships

Post Graduate, Post Graduate, Çankırı Karatekin Üniversitesi, December, 2023
Associate Professor Exam, Associate Professor Exam, Recep Tayyip Erdoğan Üniversitesi, December, 2023
Post Graduate, Post Graduate, Çankırı Karatekin Üniversitesi, December, 2023
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Recep Tayyip Erdoğan Üniversitesi, December, 2023
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Recep Tayyip Erdoğan Üniversitesi, November, 2023
Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Yalova Üniversitesi, October, 2023
Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Karadeniz Teknik Üniversitesi, October, 2023
Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Recep Tayyip Erdoğan Üniversitesi, October, 2023
Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Aydın Adnan Menderes Üniversitesi, October, 2023
Post Graduate, Post Graduate, Çankırı Karatekin Üniversitesi, August, 2023
Post Graduate, Post Graduate, Recep Tayyip Erdoğan Üniversitesi, August, 2023
Post Graduate, Post Graduate, Recep Tayyip Erdoğan Üniversitesi, August, 2023
Post Graduate, Post Graduate, Bayburt Üniversitesi, July, 2023
Post Graduate, Post Graduate, Çankırı Karatekin Üniversitesi, February, 2023
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Recep Tayyip Erdoğan Üniversitesi, February, 2023
Post Graduate, Post Graduate, Çankırı Karatekin Üniversitesi, February, 2023
Doctoral Examination, Doctoral Examination, Karadeniz Teknik Üniversitesi, February, 2023
Doctoral Examination, Doctoral Examination, Recep Tayyip Erdoğan Üniversitesi, January, 2023
Post Graduate, Post Graduate, Aydın Adnan Menderes Üniversitesi, August, 2022
Post Graduate, Post Graduate, Çankırı Karatekin Üniversitesi, August, 2022
Post Graduate, Post Graduate, Çankırı Karatekin Üniversitesi, August, 2022
Post Graduate, Post Graduate, Çankırı Karatekin Üniversitesi, July, 2022
Post Graduate, Post Graduate, Çankırı Karatekin Üniversitesi, June, 2022
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Çankırı Karatekin Üniversitesi, October, 2020
Post Graduate, Post Graduate, Karadeniz Teknik Üniversitesi, June, 2020
Post Graduate, Post Graduate, Recep Tayyip Erdoğan Üniversitesi, June, 2020
Doctoral Examination, Doctoral Examination, Recep Tayyip Erdoğan Üniversitesi, March, 2020

Doctoral Examination, Doctoral Examination, Karadeniz Teknik Üniversitesi, February, 2020
Post Graduate, Post Graduate, Recep Tayyip Erdoğan Üniversitesi, January, 2020
Post Graduate, Post Graduate, Recep Tayyip Erdoğan Üniversitesi, January, 2020
Post Graduate, Post Graduate, Karadeniz Teknik Üniversitesi, January, 2020
Post Graduate, Post Graduate, Recep Tayyip Erdoğan Üniversitesi, January, 2020
Post Graduate, Post Graduate, Recep Tayyip Erdoğan Üniversitesi, January, 2020
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Recep Tayyip Erdoğan Üniversitesi, December, 2019
Doctoral Examination, Doctoral Examination, Karadeniz Teknik Üniversitesi, June, 2019
Post Graduate, Post Graduate, Karadeniz Teknik Üniversitesi, May, 2019
Doctoral Examination, Doctoral Examination, Karadeniz Teknik Üniversitesi, February, 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Multi-method examination of contact mechanics in orthotropic layers under gravity**
Öner E., Uzun Yaylacı E., Yaylacı M.
MECHANICS OF MATERIALS, vol.1, no.1, pp.1-34, 2024 (SCI-Expanded)
- II. **Examining the contact problem of a functionally graded layer supported by an elastic half-plane with the analytical and numerical methods**
Yaylacı M., Yaylı M., Öztürk Ş., Ay S., Özdemir M. E., Uzun Yaylacı E., Birinci A.
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.1, no.1, pp.1-10, 2024 (SCI-Expanded)
- III. **Vibration of piezo-magneto-thermoelastic FG nanobeam submerged in fluid with variable nonlocal parameter**
Rajendran S., Loganathan R., Yaylacı M., Uzun Yaylacı E., Özdemir M. E.
ADVANCES IN NANO RESEARCH, vol.16, no.5, pp.1-15, 2024 (SCI-Expanded)
- IV. **Dynamic Instability Behaviour Prediction of Curved Shell Composite Structure using Different Higher-Order Theories**
Gangwa A. R., Sahoo A., Kumar V., Sharma N., Yaylacı M., Panda S. K.
JOURNAL OF VIBRATION ENGINEERING & TECHNOLOGIES, vol.1, no.1, pp.1-20, 2024 (SCI-Expanded)
- V. **Accurate Free and Forced Vibration Behavior Prediction of Functionally Graded Sandwich Beams with Variable Cross-Section: A Finite Element Assessment**
Belabed Z., Tounsi A., Bousahla A. A., Tounsi A., Yaylacı M.
MECHANICS BASED DESIGN OF STRUCTURES AND MACHINES, vol.1, no.1, pp.1-15, 2024 (SCI-Expanded)
- VI. **Energy Harvesting Estimation from Vibration of Chopped Fiber Rods Reinforced Microbeams with Piezoelectric Patch Based on Five Parameter-Surface-Strain Gradient Beam Model**
Balubaid M., Ramady A., Mamoud S., Kolahchi R., Kestegar B., Ali S. I., Algarni A., Yaylacı M., Farrokhan A.
INTERNATIONAL JOURNAL OF STRUCTURAL STABILITY AND DYNAMICS, vol.1, no.1, pp.1-12, 2024 (SCI-Expanded)
- VII. **Effects of the stiffness of an inclusion on the mechanical behavior of an aluminum alloy plate with a lateral notch**
Abdelmadjid M., El Sallah Z. M., Yaylacı M., Djafar A. K., Ali B., Abdelghani B., Öztürk Ş., Özdemir M. E., Uzun Yaylacı E.
STEEL AND COMPOSITE STRUCTURES, vol.51, no.1, pp.1-12, 2024 (SCI-Expanded)
- VIII. **Investigation Formability Behavior of Friction Stir Welded High Strength Shipbuilding Steel Using Experimental, Finite Element and Artificial Neural Network Methods**
Sekban D. M., Uzun Yaylacı E., Özdemir M. E., Yaylacı M., Tounsi A.
JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, vol.6, no.2, pp.402-412, 2024 (SCI-Expanded)
- IX. **Finite element analysis of the behavior of elliptical cracks emanating from the orthopedic cement interface in total hip prostheses**
Benouis A., El Sallah Zagane M., Moulgada A., Yaylacı M., Ait Kaci D., Terzi M., Özdemir M. E., Uzun Yaylacı E.
STRUCTURAL ENGINEERING AND MECHANICS, vol.89, no.5, pp.706-711, 2024 (SCI-Expanded)

- X. **Evaluation of the effect on the permanent tooth germ and adjacent teeth by finite element impact analysis in the traumatized primary tooth** Finite element impact analysis in the primary tooth
Kurt A., Yaylacı M., Dizdar A., Naralan M. E., Uzun Yaylacı E., Öztürk Ş., Çakır B.
INTERNATIONAL JOURNAL OF PAEDIATRIC DENTISTRY, vol.1, pp.1-10, 2024 (SCI-Expanded)
- XI. **Research of the crack problem of a functionally graded layer**
Yaylacı M., Uzun Yaylacı E., Turan M., Özdemir M. E., Öztürk Ş., Ay S.
STEEL AND COMPOSITE STRUCTURES, vol.50, no.1, pp.77-87, 2024 (SCI-Expanded)
- XII. **An improved first-order shear deformation theory for wave propagation analysis in FG CNTRC beams resting on a viscoelastic substrate**
Gawah Q., Bourada F., Al-Osta M. A., Tahir S. I., Tounsi A., Yaylacı M.
INTERNATIONAL JOURNAL OF STRUCTURAL STABILITY AND DYNAMICS, vol.1, no.1, pp.1-10, 2024 (SCI-Expanded)
- XIII. **Free vibration and bending analysis of porous bi-directional FGM sandwich shell using a TSDT p-version finite element method**
Lakhdar Z., Chorfi S. M., Belalia S. A., Khedher K. M., Alluqmani A. E., Tounsi A., Yaylacı M.
Acta Mechanica, 2024 (SCI-Expanded)
- XIV. **Impact of material distribution on the dynamic response of a bidirectional FG beam under general boundary conditions and supported by nonlinear substrate**
Laoud B., Benyoucef S., Bachiri A., Bourada F., Tounsi A., Yaylacı M., Salem M. A., Khedher K. M.
Acta Mechanica, 2024 (SCI-Expanded)
- XV. **Combined influence of variable distribution models and boundary conditions on the thermodynamic behavior of FG sandwich plates lying on various elastic foundations**
Lafi D. E., Bouhadra A., Mamen B., Menasria A., Bourada M., Bousahla A. A., Bourada F., Tounsi A., Tounsi A., Yaylacı M.
STRUCTURAL ENGINEERING AND MECHANICS, vol.1, no.1, pp.1-8, 2024 (SCI-Expanded)
- XVI. **Computational Modelling and Mechanical Characteristics of Polymeric Hybrid Composite Materials: An Extensive Review**
Pal A., Kumar V., Yaylacı M., Panda S. K.
ARCHIVES OF COMPUTATIONAL METHODS IN ENGINEERING, vol.1, pp.1-11, 2024 (SCI-Expanded)
- XVII. **Finite element analysis of ratcheting on beam under bending-bending loading conditions**
Fuyad S. T. M., Md Abdullah Al B., Makfidunnabi M., Nain H. Z., Özdemir M. E., Yaylacı M.
STRUCTURAL ENGINEERING AND MECHANICS, vol.89, no.1, pp.23-31, 2024 (SCI-Expanded)
- XVIII. **Analysis of the mechano-bactericidal effects of nanopatterned surfaces on implant-derived bacteria using the FEM**
Uzun Yaylacı E., Özdemir M. E., Güvercin Y., Öztürk Ş., Yaylacı M.
ADVANCES IN NANO RESEARCH, vol.15, no.6, pp.567-577, 2023 (SCI-Expanded)
- XIX. **Finite element analysis of the femur fracture for a different total hip prosthesis (Charnley, Osteal, and Thompson)**
Zagane, M.S. M. E. S., Moulgada A., Yaylacı M., Abderahmen S., Uzun Yaylacı E.
STRUCTURAL ENGINEERING AND MECHANICS, vol.88, no.6, pp.583-588, 2023 (SCI-Expanded)
- XX. **Comparative study by the finite element method of three activities of a wearer of total hip prosthesis during the postoperative period**
Moulgada A., Zagane M. E. S., Yaylacı M., Djafar ., Abderahmen S., Öztürk Ş., Uzun Yaylacı E.
STRUCTURAL ENGINEERING AND MECHANICS, vol.87, no.6, pp.575-583, 2023 (SCI-Expanded)
- XXI. **Analyzing of continuous and discontinuous contact problems of a functionally graded layer: Theory of elasticity and finite element method**
Yaylacı M., Öner E., Adıyaman G., Öztürk Ş., Uzun Yaylacı E., Birinci A.
MECHANICS BASED DESIGN OF STRUCTURES AND MACHINES, vol.6, no.7, pp.540-551, 2023 (SCI-Expanded)
- XXII. **Numerical simulation of the total hip prosthesis under static and dynamic loading (for three activities)**
El Sallah Zagane M., Moulgada A., YAYLACI M., Abderahmen S., Özdemir M. E., Yaylacı E. U.

- Structural Engineering and Mechanics, vol.86, no.5, pp.635-645, 2023 (SCI-Expanded)
- XXIII. **The contact problem of a functionally graded layer under the effect of gravity**
Adiyaman G., Öner E., Yaylacı M., Birinci A.
ZAMM ZEITSCHRIFT FÜR ANGEWANDTE MATHEMATIK UND MECHANIK, vol.1, no.1, pp.1-19, 2023 (SCI-Expanded)
- XXIV. **Free vibration and buckling of functionally graded porous beams using analytical, finite element, and artificial neural network methods**
Turan M., Yaylacı E. U., Yaylacı M.
ARCHIVE OF APPLIED MECHANICS, vol.92, no.13, pp.1-34, 2023 (SCI-Expanded)
- XXV. **A study on the contact problem of a layer consisting of functionally graded material (FGM) in the presence of body force**
Adiyaman G., Öner E., Yaylacı M., Birinci A.
JOURNAL OF MECHANICS OF MATERIALS AND STRUCTURES, vol.18, no.1, pp.125-141, 2023 (SCI-Expanded)
- XXVI. **Vibration and buckling analyses of FGM beam with edge crack: Finite element and multilayer perceptron methods**
YAYLACI M., Yaylacı E. U., Özdemir M. E., ÖZTÜRK Ş., Sesli H.
Steel and Composite Structures, vol.46, no.4, pp.565-575, 2023 (SCI-Expanded)
- XXVII. **Research of the impact of material and flow properties on fluid-structure interaction in cage systems**
Özdemir M. E., Yaylacı M.
WIND AND STRUCTURES, AN INTERNATIONAL JOURNAL, vol.36, no.1, pp.31-40, 2023 (SCI-Expanded)
- XXVIII. **Analyzing the mechano mechano-bactericidal effect of nano nano-patterned surfaces by finite element method and verification with artificial neural networks**
Yaylacı E. U., YAYLACI M., Özdemir M. E., Terzi M., ÖZTÜRK Ş.
Advances in Nano Research, vol.15, no.2, pp.165-174, 2023 (SCI-Expanded)
- XXIX. **Biomechanical analysis of odontoid and transverse atlantal ligament in humans with ponticulus posticus variation under different loading conditions: Finite element study.**
Güvercin Y., Yaylacı M., Dizdar A., Kanat A., Uzun Yaylacı E., Ay S., Abdioglu A. A., Şen A.
Injury, vol.53, pp.3879-3886, 2022 (SCI-Expanded)
- XXX. **Implementation of finite element and artificial neural network methods to analyze the contact problem of a functionally graded layer containing crack**
YAYLACI M., Yaylacı E. U., Özdemir M. E., Ay S., ÖZTÜRK Ş.
Steel and Composite Structures, vol.45, no.4, pp.501-511, 2022 (SCI-Expanded)
- XXXI. **Application of artificial neural networks in the analysis of the continuous contact problem**
Yaylacı E., Oner E., YAYLACI M., Ozdemir M. E., Abushattal A., BİRİNCİ A.
STRUCTURAL ENGINEERING AND MECHANICS, vol.84, no.1, pp.35-48, 2022 (SCI-Expanded)
- XXXII. **Suture button fixation method used in the treatment of syndesmosis injury: A biomechanical analysis of the effect of the placement of the button on the distal tibiofibular joint in the mid-stance phase with finite elements method**
Guvercin Y., Abdioglu A. A., Dizdar A., Yaylacı E., YAYLACI M.
INJURY-INTERNATIONAL JOURNAL OF THE CARE OF THE INJURED, vol.53, no.7, pp.2437-2445, 2022 (SCI-Expanded)
- XXXIII. **Evaluation of the contact problem of functionally graded layer resting on rigid foundation pressed via rigid punch by analytical and numerical (FEM and MLP) methods**
YAYLACI M., Abanoz M., Yaylacı E., ÖLMEZ H., SEKBAN D. M., BİRİNCİ A.
ARCHIVE OF APPLIED MECHANICS, vol.92, no.6, pp.1953-1971, 2022 (SCI-Expanded)
- XXXIV. **The contact problem of the functionally graded layer resting on rigid foundation pressed via rigid punch**
YAYLACI M., Abanoz M., Yaylacı E., ÖLMEZ H., SEKBAN D. M., BİRİNCİ A.
STEEL AND COMPOSITE STRUCTURES, vol.43, no.5, pp.661-672, 2022 (SCI-Expanded)
- XXXV. **Solving the contact problem of functionally graded layers resting on a HP and pressed with a**

uniformly distributed load by analytical and numerical methods

YAYLACI M., Sabano B. S., Ozdemir M. E., BİRİNCİ A.

STRUCTURAL ENGINEERING AND MECHANICS, vol.82, no.3, pp.401-416, 2022 (SCI-Expanded)

- XXXVI. **Simulate of edge and an internal crack problem and estimation of stress intensity factor through finite element method**

YAYLACI M.

ADVANCES IN NANO RESEARCH, vol.12, no.4, pp.405-414, 2022 (SCI-Expanded)

- XXXVII. **On the plane receding contact between two functionally graded layers using computational, finite element and artificial neural network methods**

ÖNER E., Sengul Sabano B., Uzun Yaylaci E., ADIYAMAN G., YAYLACI M., BİRİNCİ A.

ZAMM-ZEITSCHRIFT FUR ANGEWANDTE MATHEMATIK UND MECHANIK, vol.102, no.2, 2022 (SCI-Expanded)

- XXXVIII. **Analyzing the contact problem of a functionally graded layer resting on an elastic half plane with theory of elasticity, finite element method and multilayer perceptron**

YAYLACI M., Yayli M., Yaylaci E., ÖLMEZ H., BİRİNCİ A.

STRUCTURAL ENGINEERING AND MECHANICS, vol.78, no.5, pp.585-597, 2021 (SCI-Expanded)

- XXXIX. **Assessment of different solution methods for receding contact problems in functionally graded layered mediums**

YAYLACI M., Eyuboglu A., ADIYAMAN G., Yaylaci E., ÖNER E., BİRİNCİ A.

MECHANICS OF MATERIALS, vol.154, 2021 (SCI-Expanded)

- XL. **Investigation of continuous and discontinuous contact cases in the contact mechanics of graded materials using analytical method and FEM**

YAYLACI M., ADIYAMAN G., Oner E., BİRİNCİ A.

COMPUTERS AND CONCRETE, vol.27, no.3, pp.199-210, 2021 (SCI-Expanded)

- XLI. **Examination of analytical and finite element solutions regarding contact of a functionally graded layer**

YAYLACI M., Adiyaman G., Oener E., BİRİNCİ A.

STRUCTURAL ENGINEERING AND MECHANICS, vol.76, no.3, pp.325-336, 2020 (SCI-Expanded)

- XLII. **Finite element modeling of contact between an elastic layer and two elastic quarter planes**

YAYLACI M., AVCAR M.

COMPUTERS AND CONCRETE, vol.26, no.2, pp.107-114, 2020 (SCI-Expanded)

- XLIII. **Artificial neural network calculations for a receding contact problem**

Yaylaci E., Yaylaci M., ÖLMEZ H., BİRİNCİ A.

COMPUTERS AND CONCRETE, vol.25, no.6, pp.551-563, 2020 (SCI-Expanded)

- XLIV. **Numerical analysis of the receding contact problem of two bonded layers resting on an elastic half plane**

Yaylaci M., TERZİ C., AVCAR M.

STRUCTURAL ENGINEERING AND MECHANICS, vol.72, no.6, pp.775-783, 2019 (SCI-Expanded)

- XLV. **A receding contact problem between a functionally graded layer and two homogeneous quarter planes**

ADIYAMAN G., BİRİNCİ A., Oner E., Yaylaci M.

ACTA MECHANICA, vol.227, no.6, pp.1753-1766, 2016 (SCI-Expanded)

- XLVI. **The investigation crack problem through numerical analysis**

Yaylaci M.

STRUCTURAL ENGINEERING AND MECHANICS, vol.57, no.6, pp.1143-1156, 2016 (SCI-Expanded)

- XLVII. **Analytical solution of a contact problem and comparison with the results from FEM**

Oner E., Yaylaci M., BİRİNCİ A.

STRUCTURAL ENGINEERING AND MECHANICS, vol.54, no.4, pp.607-622, 2015 (SCI-Expanded)

- XLVIII. **Analytical and finite element solution of a receding contact problem**

ADIYAMAN G., Yaylaci M., BİRİNCİ A.

STRUCTURAL ENGINEERING AND MECHANICS, vol.54, no.1, pp.69-85, 2015 (SCI-Expanded)

- XLIX. **Analysis of Continuous and Discontinuous Cases of a Contact Problem Using Analytical Method and**

FEM

BİRİNCİ A., ADIYAMAN G., YAYLACI M., Oner E.

LATIN AMERICAN JOURNAL OF SOLIDS AND STRUCTURES, vol.12, no.9, pp.1771-1789, 2015 (SCI-Expanded)

L. **Comparison between Analytical and ANSYS Calculations for a Receding Contact Problem**

Yaylaci M., Oner E., BİRİNCİ A.

JOURNAL OF ENGINEERING MECHANICS, vol.140, no.9, 2014 (SCI-Expanded)

LI. **SOLUTION OF A RECEDING CONTACT PROBLEM USING AN ANALYTICAL METHOD AND A FINITE ELEMENT METHOD**

Oner E., Yaylaci M., BİRİNCİ A.

JOURNAL OF MECHANICS OF MATERIALS AND STRUCTURES, vol.9, no.3, pp.333-345, 2014 (SCI-Expanded)

LII. **The receding contact problem of two elastic layers supported by two elastic quarter planes**

Yaylaci M., BİRİNCİ A.

STRUCTURAL ENGINEERING AND MECHANICS, vol.48, no.2, pp.241-255, 2013 (SCI-Expanded)

Articles Published in Other Journals

I. **Biomechanical Investigation Of e E cts Of Various Treatment Options On e Talus In Supination External Rotation Type 4 Ankle Injuries With Ruptured Deltoid Ligament: Finite Element Analysis**

Yaylaci M., Güvercin Y.

Sakarya Tıp Dergisi, vol.13, no.1, pp.62-69, 2023 (Peer-Reviewed Journal)

II. **Finite element analysis of the mechanical behavior of the different angle hip femoral stem**

Guvercin Y., YAYLACI M., ÖLMEZ H., Yaylaci E., Ozdemir M. E., Dizdar A.

BIOMATERIALS AND BIOMECHANICS IN BIOENGINEERING, vol.6, no.1, pp.29-46, 2022 (ESCI)

III. **İnsan ve Koyun Femur Kemiğinin Sonlu Elemanlar Yöntemiyle Karşılaştırılması**

YAYLACI M., GÜVERCİN Y.

Journal of Anatolian Environmental and Animal Sciences, vol.6, no.4, pp.599-603, 2021 (Peer-Reviewed Journal)

IV. **Investigation of The Effect of Different Prosthesis Designs and Numbers on Stress, Strain and Deformation Distribution**

NİŞANCI G. N., GÜVERCİN Y., ATEŞ S. M., ÖLMEZ H., UZUN Y. E., YAYLACI M.

International Journal of Engineering and Applied Sciences, vol.12, no.4, pp.138-152, 2020 (Peer-Reviewed Journal)

V. **EFFECT OF DIFFERENT ABUTMENT MATERIALS ON STRESS DISTRIBUTION IN PERIPHERAL BONE AND DENTAL IMPLANT SYSTEM**

Terzi M., GÜVERCİN Y., ATEŞ S. M., SEKBAN D. M., YAYLACI M.

SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BİLİMLERİ DERGİSİ, vol.38, no.3, pp.1495-1507, 2020 (ESCI)

VI. **Investigation of The Effect of Different Prosthesis Designs and Numbers on Stress, Strain and Deformation Distribution**

Nişancı G. N., GÜVERCİN Y., ATEŞ S. M., ÖLMEZ H., UZUN YAYLACI E., YAYLACI M.

International Journal of Engineering and Applied Sciences, vol.12, no.4, pp.138-152, 2020 (Peer-Reviewed Journal)

VII. **Finite Element Modeling of Receding Contact Problem**

YAYLACI M., BAYRAK M. Ç., AVCAR M.

International Journal of Engineering and Applied Sciences, vol.11, pp.468-475, 2019 (Peer-Reviewed Journal)

VIII. **YARIM DÜZLEM ÜZERİNE OTURAN FONKSİYONEL DERECELENDİRİLMİŞ TABAKANIN DEĞME MEKANİĞİ**

YAYLI M., YAYLACI M., BİRİNCİ A.

Mühendislik Bilimleri ve Tasarım Dergisi, vol.7, pp.639-646, 2019 (Peer-Reviewed Journal)

IX. **YARIM DÜZLEM ÜZERİNE OTURAN FONKSİYONEL DERECELENDİRİLMİŞ TABAKANIN DEĞME MEKANİĞİ**

YAYLI M., YAYLACI M., BİRİNCİ A.

Mühendislik Bilimleri ve Tasarım Dergisi, vol.7, no.3, pp.639-646, 2019 (Peer-Reviewed Journal)

- X. **Contact problems between a functionally graded layer and a rigid support**
ABANOZ M., YAYLACI M., BİRİNCİ A.
Journal of Structural Engineering Applied Mechanics, vol.2, pp.23-35, 2019 (Peer-Reviewed Journal)
- XI. **TEMAS PROBLEMLERİNDE SONLU ELEMANLAR YÖNTEMİNİN DOĞRULUĞUNUN İNCELENMESİ**
YAYLACI M., TERZİ C.
Mühendislik Bilimleri ve Tasarım Dergisi, vol.6, no.3, pp.511-519, 2018 (Peer-Reviewed Journal)
- XII. **Finite Element Solution of the Contact Problem**
KARABULUT P. M., YAYLACI M., BİRİNCİ A.
Turkish Journal of Science Technology, vol.13, pp.113-117, 2018 (Peer-Reviewed Journal)
- XIII. **COMPARISON BETWEEN NUMERICAL AND ANALYTICAL SOLUTIONS FOR THE RECEDING CONTACT PROBLEM**
Yaylaci M.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.35, no.2, pp.333-346, 2017 (ESCI)
- XIV. **ANALYSIS OF A LONG STRIP CONTAINING AN INTERNAL OR EDGE CRACK USING FEM**
Yaylaci M., BİRİNCİ A., ADIYAMAN G., Oner E.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.34, no.2, pp.269-278, 2016 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **FINITE ELEMENT METHOD AND ARTIFICIAL NEURAL NETWORK BASED NUMERICAL SOLUTION OF THE CONTACT PROBLEM**
YAYLACI M., UZUN YAYLACI E., ÖZDEMİR M. E.
V-International European Conference on Interdisciplinary Scientific Research, Valencia, Spain, 28 - 29 January 2022
- II. **Finite Element Method and Artificial Neural Network Based Numerical Solution of The Contact Problem**
YAYLACI M., Yaylaci E. U., ÖZDEMİR M. E.
V-International European Conference on Interdisciplinary Scientific Research, 28 - 29 January 2022
- III. **FINITE ELEMENT ANALYSIS OF CONTACT PROBLEM OF BILAYER SYSTEM RESTING ON SIMPLE SUPPORTS**
ÖNER E., YAYLACI M.
INTERNATIONAL SIIRT SCIENTIFIC RESEARCH CONGRESS, Siirt, Turkey, 05 November 2021
- IV. **ELASTİK YARIM DÜZLEME OTURAN VE YAYILI YÜK İLE YÜKLENEN FONKSİYONEL DERECELENDİRİLMİŞ İKİ TABAKANIN TEMAS PROBLEMİ**
ŞABANO B., YAYLACI M., ADIYAMAN G., ÖNER E., BİRİNCİ A.
22. ULUSAL MEKANİK KONGRESİ, Turkey, 06 September 2021
- V. **A Finite Element Modelling for Interface Separation in Contact Problem of Functionally Graded Layer and Homogeneous Half Space**
YAYLACI M., ÖNER E., ADIYAMAN G., BİRİNCİ A.
3rd International Conference on Advanced Engineering Technologies (ICADET 2019), 19 - 21 September 2019
- VI. **Contact Problem for Functionally Graded Layer Pressed by a Rigid Punch**
ABANOZ M., YAYLACI M., BİRİNCİ A.
3rd International Conference on Advanced Engineering Technologies (ICADET 2019), 19 - 21 September 2019
- VII. **Discontinuous Contact Problem of A Functionally Graded Layer Resting on A Half Plane**
ADIYAMAN G., ÖNER E., YAYLACI M., BİRİNCİ A.
International Civil Engineering and Architecture Conference 2019 (ICEARC'19), Trabzon, Turkey, 17 - 20 April 2019
- VIII. **Continuous Contact Problem between a Functionally Graded Layer and a Rigid Foundation Pressed**

by a Rigid Stamp

ÖNER E., ADIYAMAN G., YAYLACI M., BİRİNCİ A.

1st International Technology Sciences and Design Symposium (ITESDES), Giresun, Turkey, 27 - 29 June 2018, pp.587-588

- IX. **Plane Contact Problem on Indentation of a Circular Punch into a Functionally Graded Layer**
ÖNER E., ADIYAMAN G., YAYLACI M., BİRİNCİ A.
3. International Congress on Engineering, Architecture and Design, Kocaeli, Turkey, 4 - 05 May 2018
- X. **The Continuous Contact Problem Of A Functionally Graded Layer Resting On A Half Plane**
ADIYAMAN G., ÖNER E., YAYLACI M., BİRİNCİ A.
3. INTERNATIONAL CONFERENCE ON CIVIL AND ENVIRONMENTAL ENGINEERING, 24 - 27 April 2018
- XI. **Contact Problem Of A Functionally Graded Layer Under Gravity**
YAYLACI M., ADIYAMAN G., ÖNER E., BİRİNCİ A.
3. International Conference on Civil and Environmental Engineering (ICOCEE –2018), 24 - 27 April 2018
- XII. **TEMAS PROBLEMİNİN SONLU ELEMANLAR YÖNTEMİ İLE ANALİZİ**
KARABULUT P. M., YAYLACI M., BİRİNCİ A.
20. ULUSAL MEKANİK KONGRESİ, Turkey, 5 - 09 September 2017
- XIII. **Fonksiyonel derecelendirilmiş tabaka ve yarı sonsuz düzlem arasındaki sürtünmesiz ve ayrılmalı temas problemi**
KARABULUT P. M., YAYLACI M., BİRİNCİ A.
20. ULUSAL MEKANİK KONGRESİ, Turkey, 5 - 09 September 2017
- XIV. **Finite element solution of the contact problem**
KARABULUT P. M., YAYLACI M., BİRİNCİ A.
International Conference on Advances and Innovations in Engineering at Elazığ/Turkey, 10 - 12 May 2017, pp.313-317
- XV. **WİNKLER ZEMİNE OTURAN ELASTİK İKİ TABAKA İÇİN SÜREKLİ TEMAS PROBLEMİNİN SONLU ELEMANLAR YÖNTEMİ KULLANILARAK ÇÖZÜMÜ**
YAYLACI M.
XIX. ULUSAL MEKANİK KONGRESİ, Trabzon, Turkey, 24 - 28 August 2015, pp.1-10
- XVI. **ANALYTICAL SOLUTION AND FINITE ELEMENT ANALYSIS FOR RECEDING CONTACT PROBLEM**
YAYLACI M., ÖNER E., BİRİNCİ A.
Proceedings of the Fourth International Conference on Mathematical and Computational Applications, 11 - 13 June 2013
- XVII. **Receding Contact Problem for Two Elastic Layers Resting on a Winkler Foundation**
YAYLACI M.
2 th International Balkans Conference on Challenges of Civil Engineering BCCCE, Tiran, Albania, 23 - 25 May 2013, pp.458-466
- XVIII. **İKİ ELASTİK ÇEYREK DÜZLEME OTURAN ELASTİK İKİ TABAKANIN TEMASPROBLEMİ**
YAYLACI M., BİRİNCİ A.
Fırat Üniversitesi, Elazığ, Turkey, 5 - 09 September 2011

Expert Reports

- I. **Pazar 2.Asliye Hukuk Mahkemesi**
USTABAŞ İ., SÜME V., YAYLACI M.
Recep Tayyip Erdoğan Üniversitesi, pp.1, Rize, 2015
- II. **Pazar 2.Asliye Hukuk Mahkemesi**
USTABAŞ İ., SÜME V., YAYLACI M.
Recep Tayyip Erdoğan Üniversitesi, pp.1, Rize, 2015

Supported Projects

Uzun Yaylacı E., Yaylacı M., Çağlak E., Öztürk Ş., Kara A., TUBITAK Project, Biyobeton Uygulamalarında Kullanılmak Üzere Deniz Suyundan Bakteri İzolasyonu, Tanımlanması ve Aktif İzolatların Beton Üzerindeki Fiziksel Etkilerinin İncelenmesi, 2023 - 2024

Yaylacı M., Birinci A., TUBITAK Project, Fonksiyonel Derecelendirilmiş Malzemelerin Sürekli ve Süreksiz Temas Mekanığı, 2017 - 2018

YAYLACI M., TERZİ C., Project Supported by Higher Education Institutions, Temas Problemlerinin Sonlu Elemanlar Yöntemi İle Analizi, 2016 - 2018

YAYLACI M., Project Supported by Higher Education Institutions, Fonksiyonel Derecelendirilmiş Malzemelerin Temas Mekanığı, 2015 - 2016

Scientific Refereeing

JOURNAL OF MINING AND ENVIRONMENT, SCI Journal, December 2023

PROCEEDINGS OF THE INSTITUTION OF CIVIL ENGINEERS: ENGINEERING SUSTAINABILITY, SCI Journal, December 2023

REINFORCED PLASTICS, SCI Journal, December 2023

Sustainability Editorial Office, SCI Journal, December 2023

Mühendislik Bilimleri ve Tasarım Dergisi, National Scientific Refreed Journal, December 2023

APPLIED SCIENCES, SCI Journal, December 2023

JOURNAL OF MINING AND ENVIRONMENT, SCI Journal, December 2023

SENSORS AND ACTUATORS, A: PHYSICAL, SCI Journal, December 2023

Designs, SCI Journal, June 2023

SUSTAINABILITY, SCI Journal, January 2023

SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, Journal Indexed in ESCI, January 2023

SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, Journal Indexed in ESCI, January 2023

JOURNAL OF MINING AND ENVIRONMENT, SCI Journal, January 2023

Düzce Üniversitesi Bilim ve Teknoloji Dergisi, National Scientific Refreed Journal, January 2023

SN APPLIED SCIENCES, SCI Journal, January 2023

CRYSTALS, SCI Journal, January 2023

MECHANICAL ENGINEERING, SCI Journal, January 2023

MECHANICS BASED DESIGN OF STRUCTURES AND MACHINES, SCI Journal, January 2023

JOURNAL OF MINING AND ENVIRONMENT, SCI Journal, December 2022

JOURNAL OF MINING AND ENVIRONMENT, SCI Journal, August 2022

SUSTAINABILITY, SCI Journal, August 2022

MECHANICS OF COMPOSITE MATERIALS, SCI Journal, August 2022

MECHANICS OF COMPOSITE MATERIALS, SCI Journal, July 2022

Gümüşhane Üniversitesi Fen Bilimleri Dergisi, National Scientific Refreed Journal, July 2022

FATIGUE AND FRACTURE OF ENGINEERING MATERIALS AND STRUCTURES, SCI Journal, July 2022

SUSTAINABILITY, SCI Journal, July 2022

GEOMECHANICS AND ENGINEERING, SCI Journal, July 2022

COMPOSITE STRUCTURES, SCI Journal, July 2022

JOURNAL OF REINFORCED PLASTICS AND COMPOSITES, SCI Journal, June 2022

APPLIED SCIENCES, SCI Journal, June 2022

STRUCTURAL ENGINEERING AND MECHANICS, SCI Journal, June 2022

EUROPEAN JOURNAL OF MECHANICS, A/SOLIDS, SCI Journal, June 2022

PHYSICAL MESOMECHANICS, SCI Journal, June 2022

JOURNAL OF REINFORCED PLASTICS AND COMPOSITES, SCI Journal, June 2022

MECHANICS OF COMPOSITE MATERIALS, SCI Journal, June 2022

DEMONSTRATIO MATHEMATICA, SCI Journal, May 2022
INTERNATIONAL JOURNAL OF BIOMATHEMATICS, SCI Journal, May 2022
STEEL AND COMPOSITE STRUCTURES, SCI Journal, May 2022
COMPUTERS AND CONCRETE, SCI Journal, May 2022
APPLIED SCIENCES, SCI Journal, May 2022
GEOMECHANICS AND ENGINEERING, SCI Journal, May 2022
STRUCTURAL ENGINEERING AND MECHANICS, SCI Journal, May 2022
PERIODICA POLYTECHNICA. CIVIL ENGINEERING, SCI Journal, May 2022
STEEL AND COMPOSITE STRUCTURES, SCI Journal, April 2022
STRUCTURAL ENGINEERING AND MECHANICS, SCI Journal, April 2022
ADVANCES IN NANO RESEARCH, SCI Journal, April 2022
METALLURGICAL AND MATERIALS TRANSACTIONS A: PHYSICAL METALLURGY AND MATERIALS SCIENCE, SCI Journal, April 2022
ACADEMIA XXII, SCI Journal, March 2022
STRUCTURAL ENGINEERING AND MECHANICS, SCI Journal, March 2022
APPLIED SCIENCES, SCI Journal, March 2022
STEEL AND COMPOSITE STRUCTURES, SCI Journal, March 2022
STRUCTURAL ENGINEERING AND MECHANICS, SCI Journal, March 2022
STRUCTURAL ENGINEERING AND MECHANICS, SCI Journal, March 2022
SMART STRUCTURES AND SYSTEMS, SCI Journal, March 2022
OCEAN ENGINEERING, SCI Journal, March 2022
STEEL AND COMPOSITE STRUCTURES, SCI Journal, March 2022
ADVANCES IN NANO RESEARCH, SCI Journal, February 2022
Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, National Scientific Refreed Journal, February 2022
ARCHIVE OF APPLIED MECHANICS, SCI Journal, February 2022
JOURNAL OF MINING AND ENVIRONMENT, SCI Journal, January 2022
STEEL AND COMPOSITE STRUCTURES, SCI Journal, January 2022
CRYSTALS, SCI Journal, January 2022
STRUCTURAL ENGINEERING AND MECHANICS, SCI Journal, January 2022
STRUCTURAL ENGINEERING AND MECHANICS, SCI Journal, January 2022
STRUCTURAL ENGINEERING AND MECHANICS, SCI Journal, January 2022
STEEL AND COMPOSITE STRUCTURES, SCI Journal, December 2021
Advances in Computational Design, SCI Journal, December 2021
GEOMECHANICS AND ENGINEERING, SCI Journal, December 2021
COMPUTERS AND CONCRETE, SCI Journal, December 2021
JOURNAL OF ANATOLIAN ENVIRONMENTAL AND ANIMAL SCIENCES, National Scientific Refreed Journal, December 2021
COMPUTERS AND CONCRETE, SCI Journal, November 2021
STRUCTURAL ENGINEERING AND MECHANICS, SCI Journal, November 2021
STRUCTURAL ENGINEERING AND MECHANICS, SCI Journal, November 2021
STRUCTURAL ENGINEERING AND MECHANICS, SCI Journal, November 2021
STEEL AND COMPOSITE STRUCTURES, SCI Journal, October 2021
COMPUTERS IN BIOLOGY AND MEDICINE, SCI Journal, October 2021
JOURNAL OF MINING AND ENVIRONMENT, SCI Journal, September 2021
COMPUTERS AND CONCRETE, SCI Journal, September 2021
COMPUTERS AND CONCRETE, SCI Journal, September 2021
STRUCTURAL ENGINEERING AND MECHANICS, SCI Journal, September 2021
ADVANCES IN NANO RESEARCH, SCI Journal, September 2021
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY - TRANSACTIONS OF MECHANICAL ENGINEERING, SCI Journal, September 2021
STEEL AND COMPOSITE STRUCTURES, SCI Journal, September 2021

STEEL AND COMPOSITE STRUCTURES, SCI Journal, August 2021
STEEL AND COMPOSITE STRUCTURES, SCI Journal, August 2021
STEEL AND COMPOSITE STRUCTURES, SCI Journal, August 2021
ARCHIVE OF APPLIED MECHANICS, SCI Journal, August 2021
STRUCTURAL ENGINEERING AND MECHANICS, SCI Journal, August 2021
COMPUTERS AND CONCRETE, SCI Journal, August 2021
STEEL AND COMPOSITE STRUCTURES, SCI Journal, August 2021
INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES, SCI Journal, August 2021
Advances in Concrete Construction, SCI Journal, July 2021
GEOMECHANICS AND ENGINEERING, SCI Journal, July 2021
PERIODICA POLYTECHNICA. CIVIL ENGINEERING, SCI Journal, July 2021
STEEL AND COMPOSITE STRUCTURES, SCI Journal, July 2021
Advances in Concrete Construction, SCI Journal, July 2021
STRUCTURAL ENGINEERING AND MECHANICS, SCI Journal, July 2021
STRUCTURAL ENGINEERING AND MECHANICS, SCI Journal, July 2021
COMPUTERS AND CONCRETE, SCI Journal, June 2021
STEEL AND COMPOSITE STRUCTURES, SCI Journal, June 2021
GEOMECHANICS AND ENGINEERING, SCI Journal, June 2021
STEEL AND COMPOSITE STRUCTURES, SCI Journal, June 2021
JOURNAL OF MINING AND ENVIRONMENT, SCI Journal, May 2021
STEEL AND COMPOSITE STRUCTURES, SCI Journal, May 2021
Advances in Concrete Construction, SCI Journal, May 2021
COMPUTERS AND CONCRETE, SCI Journal, May 2021
STEEL AND COMPOSITE STRUCTURES, SCI Journal, May 2021
COMPUTERS AND CONCRETE, SCI Journal, May 2021
ARCHIVE OF APPLIED MECHANICS, SCI Journal, May 2021
COMPUTERS AND CONCRETE, SCI Journal, May 2021
GEOMECHANICS AND ENGINEERING, SCI Journal, May 2021
ADVANCES IN NANO RESEARCH, SCI Journal, May 2021
COMPUTERS AND CONCRETE, SCI Journal, May 2021
Coupled Systems Mechanics, SCI Journal, May 2021
STRUCTURAL ENGINEERING AND MECHANICS, SCI Journal, April 2021
STEEL AND COMPOSITE STRUCTURES, SCI Journal, April 2021
COMPUTERS AND CONCRETE, SCI Journal, April 2021
STEEL AND COMPOSITE STRUCTURES, SCI Journal, April 2021
OCEAN ENGINEERING, SCI Journal, April 2021
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY - TRANSACTIONS OF MECHANICAL ENGINEERING, SCI Journal, April
2021
STEEL AND COMPOSITE STRUCTURES, SCI Journal, April 2021
STRUCTURAL ENGINEERING AND MECHANICS, SCI Journal, April 2021
STEEL AND COMPOSITE STRUCTURES, SCI Journal, April 2021
STEEL AND COMPOSITE STRUCTURES, SCI Journal, April 2021
Advances in Concrete Construction, SCI Journal, March 2021
STEEL AND COMPOSITE STRUCTURES, SCI Journal, March 2021
STEEL AND COMPOSITE STRUCTURES, SCI Journal, March 2021
Advances in Concrete Construction, SCI Journal, March 2021
COMPUTERS AND CONCRETE, SCI Journal, March 2021
SMART STRUCTURES AND SYSTEMS, SCI Journal, March 2021
SMART STRUCTURES AND SYSTEMS, SCI Journal, March 2021
SMART STRUCTURES AND SYSTEMS, SCI Journal, March 2021
STRUCTURAL ENGINEERING AND MECHANICS, SCI Journal, February 2021

COMPUTERS AND CONCRETE, SCI Journal, February 2021
STRUCTURAL ENGINEERING AND MECHANICS, SCI Journal, February 2021
PERIODICA POLYTECHNICA. CIVIL ENGINEERING, SCI Journal, January 2021
COMPUTERS IN BIOLOGY AND MEDICINE, SCI Journal, January 2021
Gemi ve Deniz Teknolojisi, National Scientific Refreed Journal, December 2020
Mühendislik Bilimleri ve Tasarım Dergisi, National Scientific Refreed Journal, December 2020
STEEL AND COMPOSITE STRUCTURES, SCI Journal, November 2020
APPLIED MATHEMATICAL MODELLING, SCI Journal, November 2020
COMPUTERS AND CONCRETE, SCI Journal, November 2020
JOURNAL OF MINING AND ENVIRONMENT, SCI Journal, November 2020
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY - TRANSACTIONS OF MECHANICAL ENGINEERING, SCI Journal, October 2020
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS, PART C: JOURNAL OF MECHANICAL ENGINEERING SCIENCE, SCI Journal, October 2020
SMART STRUCTURES AND SYSTEMS, SCI Journal, September 2020
PERIODICA POLYTECHNICA. CIVIL ENGINEERING, SCI Journal, September 2020
Universities of Other Countries Supported Project, King Fahad University of Petroleum and Minerals, Saudi Arabia, September 2020
STEEL AND COMPOSITE STRUCTURES, SCI Journal, August 2020
COMPUTERS AND CONCRETE, SCI Journal, July 2020
COMPUTERS AND CONCRETE, SCI Journal, June 2020
AIAA JOURNAL, SCI Journal, April 2020
STEEL AND COMPOSITE STRUCTURES, SCI Journal, March 2020
Mühendislik Bilimleri ve Tasarım Dergisi, National Scientific Refreed Journal, February 2020
Sciennovation, National Scientific Refreed Journal, February 2020
STEEL AND COMPOSITE STRUCTURES, SCI Journal, February 2020
COMPUTERS AND CONCRETE, SCI Journal, February 2020
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, Journal Indexed in SCI-E, February 2020
Challenge Journal of Structural Mechanics, Other Indexed Journal, December 2019
PERIODICA POLYTECHNICA. CIVIL ENGINEERING, SCI Journal, December 2019
STRUCTURAL ENGINEERING AND MECHANICS, SCI Journal, November 2019
Advances in Concrete Construction, SCI Journal, October 2019
JOURNAL OF ANATOLIAN ENVIRONMENTAL AND ANIMAL SCIENCES, National Scientific Refreed Journal, October 2019
Sciennovation, National Scientific Refreed Journal, September 2019
MEMBRANE WATER TREATMENT, SCI Journal, September 2019
Turkish Journal of Hydraulic, National Scientific Refreed Journal, September 2019
STEEL AND COMPOSITE STRUCTURES, SCI Journal, August 2019
COMPUTERS AND CONCRETE, SCI Journal, August 2019
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, National Scientific Refreed Journal, July 2019
STRUCTURAL ENGINEERING AND MECHANICS, SCI Journal, June 2019
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, National Scientific Refreed Journal, April 2019
COMPUTERS AND CONCRETE, SCI Journal, March 2019

Tasks In Event Organizations

Yaylacı M., 4th International Conference on Advanced Engineering Technologies, Scientific Congress, Turkey, Eylül 2022
Yaylacı M., 1st International Karatekin Science and Technology Conference, Scientific Congress, Turkey, Eylül 2022

Metrics

Publication: 87

Citation (WoS): 1302

Citation (Scopus): 1174

H-Index (WoS): 23

H-Index (Scopus): 22

Non Academic Experience

Company, OT-FA İNŞAAT, OT-FA İNŞAAT