

Prof. AHMET BİRİNCİ

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAT-3538-2020

ScopusID: 6701577981

Yoksis Researcher ID: 19919

Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği Bölümü, Turkey 1994 - 1998

Postgraduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği Bölümü, Turkey 1991 - 1994

Undergraduate, Karadeniz Technical University, Mühendislik-Mimarlık Fakültesi, İnşaat Mühendisliği Bölümü, Turkey 1988 - 1991

Associate Degree, Karadeniz Technical University, Gümüşhane Meslek Yüksek Okulu, İnşaat Bölümü, Turkey 1983 - 1985

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Occupational Health and Safety, İşyeri Hekimliği ve İş Güvenliği Uzmanlığı Eğitimci Belgesi, Çalışma ve Sosyal Güvenlik Bakanlığı, 2014

Dissertations

Doctorate, Alt Tabakasında Düşey Bir Çatlağı Bulunan ve Rijit Bir Blok Aracılığı ile Yüklenen Bileşik Tabaka Problemi, Karadeniz Technical University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği Bölümü / Mekanik, 1998

Postgraduate, Elastik Mesnete Oturan Çift Şerit Problemi, Karadeniz Technical University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği Bölümü / Mekanik, 1994

Research Areas

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

Academic Titles / Tasks

Professor, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2011 - Continues
Associate Professor, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2005 - 2011
Assistant Professor, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2004 - 2005
Research Assistant PhD, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, 1998 - 2004
Research Assistant, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, 1991 - 1998

Academic and Administrative Experience

Fakülte Kurulu Üyesi, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2022 - Continues
Eğitim ve Müfredat Kurulu üyesi, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2015 - Continues
Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2012 - Continues
Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2004 - Continues
Head of Ethics Committee, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2021 - 2023
Investigation Commission Member, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2016 - 2018
Fakülte Kurulu Üyesi, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2014 - 2017
Karadeniz Technical University, Karadeniz Teknik Üniversitesi, 2014 - 2016
Karadeniz Technical University, Of Teknoloji Fakültesi, 2014 - 2016
Karadeniz Technical University, Karadeniz Teknik Üniversitesi, 2014 - 2016
Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2004 - 2007

Courses

Kırılma Mekaniği, Doctorate, 2021 - 2022
Statik ve Mukavemet, Undergraduate, 2019 - 2020
Statik, Undergraduate, 2019 - 2020
Elastisite Teorisi, Postgraduate, 2019 - 2020
Mukavemet II, Undergraduate, 2019 - 2020
Bitirme Projesi, Undergraduate, 2019 - 2020
Dinamik, Undergraduate, 2019 - 2020
Mühendislik Tasarımı, Undergraduate, 2019 - 2020
Mukavemet I, Undergraduate, 2019 - 2020
Statik, Undergraduate, 2016 - 2017, 2012 - 2013, 2011 - 2012, 2010 - 2011
Dinamik, Undergraduate, 2017 - 2018
Tasarım Projesi, Undergraduate, 2017 - 2018
Bitirme Çalışması, Undergraduate, 2017 - 2018, 2012 - 2013, 2011 - 2012, 2010 - 2011
Mukavemet I, Undergraduate, 2017 - 2018, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011
Mukavemet II, Undergraduate, 2017 - 2018, 2012 - 2013, 2011 - 2012, 2010 - 2011
Tasarım Projesi, Undergraduate, 2017 - 2018, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011
İş Yeri Eğitimi, Undergraduate, 2014 - 2015
Dinamik, Undergraduate, 2012 - 2013, 2011 - 2012, 2010 - 2011
Elastisite, Postgraduate, 2013 - 2014, 2012 - 2013
Mukavemet, Undergraduate, 2011 - 2012, 2010 - 2011
Mühendislik Mekaniği, Undergraduate, 2011 - 2012
Mühendislik Mekaniği, Undergraduate, 2010 - 2011

Advising Theses

Birinci A., Derecelendirilmiş Malzemelerde Temas Problemleri, Doctorate, A.EYÜBOĞLU(Student), Continues
Birinci A., Derecelendirilmiş Malzemelerde Temas Problemler, Doctorate, B.ŞENGÜL(Student), Continues
Birinci A., Derecelendirilmiş Malzemelerde Temas Problemleri, Doctorate, M.ABANOZ(Student), Continues
Birinci A., PASTERNAK ZEMİNE OTURAN VE DAİRESEL RİJİT BLOK ARACILIĞIYLA YÜKLENEN BİRİ FONKSİYONEL
DERECELENDİRİLMİŞ İKİ TABAKANIN TEMAS PROBLEMİ, Postgraduate, A.YAZICIOĞLU(Student), 2024
Birinci A., Elastik Yarı Sonsuz Düzleme Oturan ve Yaylı Yükle İle Yüklenen Fonksiyonel Derecelendirilmiş İki Tabakanın
Temas Problemi, Postgraduate, B.ŞENGÜL(Student), 2020
BİRİNCİ A., Winkler Temele Oturan ve Rijit Dairesel Blok Aracılığıyla Yüklenen Biri Fonksiyonel Derecelendirilmiş İki
Tabakanın Temas Problemi, Postgraduate, A.EYÜBOĞLU(Student), 2019
BİRİNCİ A., Yarım Düzlem Üzerine Oturan Fonksiyonel Derecelendirilmiş Tabakanın Temas Problemi, Postgraduate,
M.YAYLI(Student), 2019
BİRİNCİ A., Tabakalı Ortamlarda Temas Problemlerinin Çözümü ve Bu Çözüme İlişkin Bir Bilgisayar Programının
Geliştirilmesi, Doctorate, G.ADIYAMAN(Student), 2019
BİRİNCİ A., Rijit Bir Panç Aracılığıyla Yüklenmiş ve Rijit Temele Bağlanmış Fonksiyonel Derecelendirilmiş Tabakanın
Temas Problemi, Postgraduate, M.ABANOZ(Student), 2018
BİRİNCİ A., Rijit Bir Blok Aracılığıyla Yüklenmiş ve Elastik Yarım Düzleme Oturan Fonksiyonel Derecelendirilmiş
Tabakanın Sürekli ve Süreksiz Temas Problemi, Doctorate, E.ÖNER(Student), 2017
BİRİNCİ A., Elastik Yarım Düzleme Oturan Elastik Bir Tabakanın Sürtünmesiz Temas Problemi, Postgraduate,
P.Merve(Student), 2016
BİRİNCİ A., İki Çeyrek Düzlem Üzerine Oturan Elastik Bir Tabakanın Sürtünmesiz ve Ayrılmalı Temas Problemi,
Postgraduate, G.ADIYAMAN(Student), 2013
BİRİNCİ A., İki Elastik Çeyrek Düzleme Oturan İki Elastik Tabakanın Temas Problemi, Doctorate, M.YAYLACI(Student),
2013
BİRİNCİ A., Rijit Dairesel Bir Panç Aracılığıyla Yüklenmiş ve Elastik Yarı Sonsuz Düzleme Oturan İki Elastik Tabakanın
Sürekli Temas Problemi, Postgraduate, E.Öner(Student), 2011

Jury Memberships

Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, August, 2024
Post Graduate, Post Graduate, Karadeniz Teknik Üniversitesi, June, 2024
Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship,
Karadeniz Teknik Üniversitesi, July, 2023
Associate Professor Exam, Associate Professor Exam, Karadeniz Technical University, May, 2023
Post Graduate, Post Graduate, Karadeniz Teknik Üniversitesi, December, 2022
Associate Professor Exam, Associate Professor Exam, Karadeniz Technical University, December, 2022
Appointment to Academic Staff-Professorship, Appointment Academic Staff, Karadeniz Teknik Üniversitesi, November,
2022
Doctoral Examination, Doctoral Examination, Karadeniz Teknik Üniversitesi, February, 2022
Doctoral Examination, Doctoral Examination, Karadeniz Teknik Üniversitesi, February, 2022
Academic Staff Examination, Academic Staff Examination, Karadeniz Teknik Üniversitesi, January, 2022
Appointment to Academic Staff-Professorship, Appointment Academic Staff, Manisa Celal Bayar Üniversitesi, September,
2021
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Karadeniz Teknik Üniversitesi,
August, 2021
Committee Of Expert, Committee Of Expert, University of Bahrain, August, 2021
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Toros Üniversitesi, August, 2021
Appointment to Academic Staff-Professorship, Appointment Academic Staff, Karadeniz Teknik Üniversitesi, July, 2021
Associate Professor Exam, Associate Professor Exam, İstanbul Üniversitesi-Cerrahpaşa, January, 2021

Doctoral Examination, Doctoral Examination, Karadeniz Teknik Üniversitesi, January, 2021
Academic Staff Examination, Academic Staff Examination, Giresun University, December, 2020
Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, November, 2020
Associate Professor Exam, Associate Professor Exam, Karadeniz Technical University, September, 2020
Post Graduate, Post Graduate, Karadeniz Teknik Üniversitesi, July, 2020
Committee Of Expert, Committee Of Expert, Karadeniz Technical University, June, 2020
Appointment to Academic Staff-Professorship, Appointment Academic Staff, Karadeniz Teknik Üniversitesi, January, 2020
Appointment to Academic Staff-Assistant Professorship, Profesörlük Kadrosuna Atama, Ondokuz Mayıs Üniversitesi, November, 2019
Appointment to Academic Staff-Assistant Professorship, Doçentlik Kadrosuna Atama, Karadeniz Teknik Üniversitesi, July, 2019
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Karadeniz Teknik Üniversitesi, June, 2019
Academic Staff Examination, Academic Staff Examination, Karadeniz Teknik Üniversitesi, June, 2019
Post Graduate, Yüksek Lisans Tezi Jüri Üyeliği, Karadeniz Teknik Üniversitesi, June, 2019
Post Graduate, Yüksek Lisans Tezi Jüri Üyeliği, Karadeniz Teknik Üniversitesi, June, 2019
Post Graduate, Yüksek Lisans Tezi Jüri Üyeliği, Karadeniz Teknik Üniversitesi, June, 2019
Post Graduate, Yüksek Lisans Tezi Jüri Üyeliği, Recep Tayyip Erdoğan Üniversitesi, April, 2019
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Karadeniz Teknik Üniversitesi, March, 2019
Appointment to Academic Staff-Professorship, Appointment Academic Staff, Avrasya Üniversitesi, March, 2019
Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, March, 2019
Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, February, 2019
Appointment to Academic Staff-Assistant Professorship, Yrd. Doç. Kadrosuna Yeniden Atama, Karadeniz Teknik Üniversitesi, February, 2019
Appointment to Academic Staff-Professorship, Appointment Academic Staff, Karadeniz Teknik Üniversitesi, January, 2019
Appointment to Academic Staff-Assistant Professorship, Profesörlük Kadrosuna Atama, Atatürk Üniversitesi, December, 2018
Post Graduate, Yüksek Lisans Tezi Jüri Üyeliği, Recep Tayyip Erdoğan Üniversitesi, November, 2018
Doctoral Examination, Doktora Yeterlik Sınavı, Karadeniz Teknik Üniversitesi, September, 2018
Associate Professor Exam, 2018 Nisan Dönemi Doçentlik, ÜAK, September, 2018
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Karadeniz Teknik Üniversitesi, June, 2018
Doctorate, Doktora Tezi Jüri Üyeliği, Karadeniz Teknik Üniversitesi, June, 2018
Associate Professor Exam, 2017 Aralık Dönemi Doçentlik Sınavı, ÜAK, May, 2018
Appointment to Academic Staff-Assistant Professorship, Dr. Öğretim Üyeliğine Atama, Bayburt Üniversitesi, April, 2018
Appointment to Academic Staff-Assistant Professorship, Profesörlük Kadrosuna Atama, Niğde Ömer Halisdemir Üniversitesi, February, 2018
Appointment to Academic Staff-Assistant Professorship, Yrd. Doç. Kadrosuna Atama, Gümüşhane Üniversitesi, December, 2017
Appointment to Academic Staff-Professorship, Appointment Academic Staff, Aksaray Üniversitesi, October, 2017
Doctorate, Doktora Tez Savunması, Karadeniz Teknik Üniversitesi, July, 2017
Appointment to Academic Staff-Professorship, Appointment Academic Staff, Karadeniz Teknik Üniversitesi, May, 2017
Appointment to Academic Staff-Assistant Professorship, Yrd. Doç. Yeniden Atama, Karadeniz Teknik Üniversitesi, April, 2017
Appointment to Academic Staff-Professorship, Appointment Academic Staff, Avrasya Üniversitesi, October, 2016
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Karadeniz Teknik Üniversitesi, May, 2016
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Karadeniz Teknik Üniversitesi, March, 2016
Post Graduate, Yüksek Lisans Tezi Jüri Üyeliği, KTÜ Fen Bilimleri Enstitüsü, January, 2016

Appointment to Academic Staff-Assistant Professorship, Yrd. Doç. Yeniden Atama, Recep Tayyip Erdoğan Üniversitesi, January, 2016

Doctorate, Karadeniz Teknik Üniversitesi, August, 2015

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Karadeniz Teknik Üniversitesi, May, 2015

Appointment to Academic Staff-Professorship, Appointment Academic Staff, Gaziantep Üniversitesi, March, 2015

Appointment to Academic Staff-Professorship, Akademik Kadroya Atama Jürisi, Avrasya Üniversitesi, August, 2014

Appointment to Academic Staff-Assistant Professorship, Akademik Kadroya Atama Jürisi, Giresun Üniversitesi, July, 2014

Appointment to Academic Staff-Professorship, Akademik Kadroya Atama Jürisi, Atatürk Üniversitesi, July, 2014

Appointment to Academic Staff-Assistant Professorship, Akademik Kadroya Atama Jürisi, Recep Tayyip Erdoğan Üniversitesi, July, 2014

Appointment to Academic Staff-Assistant Professorship, Akademik Kadroya Atama Jürisi, Bayburt Üniversitesi, July, 2014

Appointment to Academic Staff-Assistant Professorship, Akademik Kadroya Atama Jürisi, Karadeniz Teknik Üniversitesi, July, 2014

Post Graduate, Yüksek Lisans Tez Savunması, Karadeniz Teknik Üniversitesi, October, 2013

Associate Professor Exam, Doçentlik Sınav Jürisi, Üniversiteler Arası Kurul, October, 2013

Associate Professor Exam, Doçentlik Sınav Jürisi, Üniversiteler Arası Kurul, October, 2013

Associate Professor Exam, Doçentlik Sınav Jürisi, Üniversiteler Arası Kurul, October, 2013

Appointment to Academic Staff-Assistant Professorship, Akademik Kadroya Atama Jürisi, Gümüşhane Üniversitesi, July, 2013

Appointment to Academic Staff-Assistant Professorship, Akademik Kadroya Atama Jürisi, Niğde Üniversitesi, July, 2013

Appointment to Academic Staff-Assistant Professorship, Akademik Kadroya Atama Jürisi, Karadeniz Teknik Üniversitesi, July, 2013

Doctorate, Doktora Tez Savunması, Karadeniz Teknik Üniversitesi, July, 2013

Associate Professor Exam, Doçentlik Sınav Jürisi, Üniversiteler Arası Kurul, April, 2013

Associate Professor Exam, Doçentlik Sınav Jürisi, Üniversiteler Arası Kurul, April, 2013

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Karadeniz Teknik Üniversitesi, March, 2013

Associate Professor Exam, Doçentlik Sınav Jürisi, Üniversiteler Arası Kurul, October, 2012

Associate Professor Exam, Doçentlik Sınav Jürisi, Üniversiteler Arası Kurul, October, 2012

Associate Professor Exam, Doçentlik Sınav Jürisi, Üniversiteler Arası Kurul, October, 2012

Appointment to Academic Staff-Professorship, Akademik Kadroya Atama Jürisi, Avrasya Üniversitesi, July, 2012

Appointment to Academic Staff-Assistant Professorship, Akademik Kadroya Atama Jürisi, Gaziantep Üniversitesi, July, 2012

Post Graduate, Yüksek Lisans Tez Savunması, Karadeniz Teknik Üniversitesi, July, 2012

Appointment to Academic Staff-Assistant Professorship, Akademik Kadroya Atama Jürisi, Rize Üniversitesi, July, 2012

Post Graduate, Yüksek Lisans Tez Savunması, Karadeniz Teknik Üniversitesi, January, 2012

Associate Professor Exam, Doçentlik Sınav Jürisi, Üniversiteler Arası Kurul, October, 2011

Associate Professor Exam, Doçentlik Sınav Jürisi, Üniversiteler Arası Kurul, October, 2011

Associate Professor Exam, Doçentlik Sınav Jürisi, Üniversiteler Arası Kurul, October, 2011

Appointment to Academic Staff-Assistant Professorship, Akademik Kadroya Atama Jürisi, Zonguldak Karaelmas Üniversitesi, July, 2011

Associate Professor Exam, Doçentlik Sınav Jürisi, Üniversiteler Arası Kurul, April, 2011

Associate Professor Exam, Doçentlik Sınav Jürisi, Üniversiteler Arası Kurul, April, 2011

Doctorate, Doktora Tez Savunması, Karadeniz Teknik Üniversitesi, July, 2010

Doctorate, Doktora Tez Savunması, Karadeniz Teknik Üniversitesi, July, 2010

Committee Of Expert, Committee Of Expert, Gaziosmanpaşa University, August, 2009

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Karadeniz Teknik Üniversitesi, June, 2006

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **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., Ozdemir M. E., Uzun Yaylacı E., Birinci A.
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.47, no.12, pp.10400-10420, 2024 (SCI-Expanded)
- II. **A Receding Contact Problem of Two Layers one of Functionally Graded, Loaded by Circular Rigid Block and Resting on a Pasternak Foundation**
Yazıcıoğlu A., Birinci A., Adıyaman G.
TEKNIK DERGI/TECHNICAL JOURNAL OF TURKISH CHAMBER OF CIVIL ENGINEERS, vol.35, no.5, pp.1-18, 2024 (SCI-Expanded)
- III. **Analyzing of continuous and discontinuous contact problems of a functionally graded layer: theory of elasticity and finite element method**
Yaylacı M., Oner E., Adıyaman G., Öztürk Ş., Uzun Yaylacı E., Birinci A.
MECHANICS BASED DESIGN OF STRUCTURES AND MACHINES, vol.52, no.8, pp.5720-5738, 2024 (SCI-Expanded)
- IV. **The contact problem of a functionally graded layer under the effect of gravity**
ADİYAMAN G., Oner E., YAYLACI M., BİRİNCİ A.
ZAMM Zeitschrift fur Angewandte Mathematik und Mechanik, vol.103, no.11, 2023 (SCI-Expanded)
- V. **A STUDY ON THE CONTACT PROBLEM OF A LAYER CONSISTING OF FUNCTIONALLY GRADED MATERIAL (FGM) IN THE PRESENCE OF BODY FORCE**
ADİYAMAN G., Öner E., YAYLACI M., BİRİNCİ A.
Journal of Mechanics of Materials and Structures, vol.18, no.1, pp.125-141, 2023 (SCI-Expanded)
- VI. **Application of artificial neural networks in the analysis of the continuous contact problem**
Yaylacı E. U., 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)
- VII. **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. U., ÖLMEZ H., SEKBAN D. M., BİRİNCİ A.
ARCHIVE OF APPLIED MECHANICS, vol.92, no.6, pp.1953-1971, 2022 (SCI-Expanded)
- VIII. **The contact problem of the functionally graded layer resting on rigid foundation pressed via rigid punch**
Yaylacı M., Abanoz M., Yaylacı E. U., Ölmez H., Sekban D. M., Birinci A.
STEEL AND COMPOSITE STRUCTURES, vol.43, no.5, pp.661-672, 2022 (SCI-Expanded)
- IX. **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)
- X. **On the plane receding contact between two functionally graded layers using computational, finite element and artificial neural network methods**
Oner E., Sengul Sabano B., Uzun Yaylacı E., ADİYAMAN G., YAYLACI M., BİRİNCİ A.
ZAMM-ZEITSCHRIFT FUR ANGEWANDTE MATHEMATIK UND MECHANIK, vol.102, no.2, 2022 (SCI-Expanded)
- XI. **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., Yaylı M., Yaylacı E. U., ÖLMEZ H., BİRİNCİ A.
STRUCTURAL ENGINEERING AND MECHANICS, vol.78, no.5, pp.585-597, 2021 (SCI-Expanded)
- XII. **Assessment of different solution methods for receding contact problems in functionally graded layered mediums**
Yaylacı M., Eyüboğlu A., Adıyaman G., Uzun Yaylacı E., Öner E., Birinci A.
Mechanics Of Materials, vol.154, pp.1-15, 2021 (SCI-Expanded)
- XIII. **Investigation of the solution for discontinuous contact problem between a functionally graded (FG) layer and homogeneous half-space**

- Öner E., Birinci A.
Archive Of Applied Mechanics, vol.90, no.12, pp.2799-2819, 2020 (SCI-Expanded)
- XIV. **Examination of analytical and finite element solutions regarding contact of a functionally graded layer**
Yaylacı M., Adıyaman G., Öner E., Birinci A.
Structural Engineering And Mechanics, vol.76, no.3, pp.325-336, 2020 (SCI-Expanded)
- XV. **Artificial neural network calculations for a receding contact problem**
Yaylacı E. U., Yaylacı M., Ölmez H., Birinci A.
COMPUTERS AND CONCRETE, vol.25, no.6, pp.551-563, 2020 (SCI-Expanded)
- XVI. **A receding contact problem of a layer resting on a half plane**
Karabulut P. M., ADIYAMAN G., BİRİNCİ A.
STRUCTURAL ENGINEERING AND MECHANICS, vol.64, no.4, pp.505-513, 2017 (SCI-Expanded)
- XVII. **Continuous and discontinuous contact problem of a functionally graded layer resting on a rigid foundation**
ADIYAMAN G., ÖNER E., BİRİNCİ A.
ACTA MECHANICA, vol.228, no.9, pp.3003-3017, 2017 (SCI-Expanded)
- XVIII. **Continuous contact problem of a functionally graded layer resting on an elastic half-plane**
Oner E., Adıyaman G., Birinci A.
ARCHIVES OF MECHANICS, vol.69, no.1, pp.53-73, 2017 (SCI-Expanded)
- XIX. **A receding contact problem between a functionally graded layer and two homogeneous quarter planes**
ADIYAMAN G., BİRİNCİ A., ÖNER E., Yaylacı M.
ACTA MECHANICA, vol.227, no.6, pp.1753-1766, 2016 (SCI-Expanded)
- XX. **Axisymmetric analysis of a functionally graded layer resting on elastic substrate**
TURAN M., ADIYAMAN G., KAHYA V., BİRİNCİ A.
STRUCTURAL ENGINEERING AND MECHANICS, vol.58, no.3, pp.423-442, 2016 (SCI-Expanded)
- XXI. **Analytical solution of a contact problem and comparison with the results from FEM**
ÖNER E., Yaylacı M., BİRİNCİ A.
STRUCTURAL ENGINEERING AND MECHANICS, vol.54, no.4, pp.607-622, 2015 (SCI-Expanded)
- XXII. **Analytical and finite element solution of a receding contact problem**
ADIYAMAN G., Yaylacı M., BİRİNCİ A.
STRUCTURAL ENGINEERING AND MECHANICS, vol.54, no.1, pp.69-85, 2015 (SCI-Expanded)
- XXIII. **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)
- XXIV. **Comparison between Analytical and ANSYS Calculations for a Receding Contact Problem**
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JOURNAL OF ENGINEERING MECHANICS, vol.140, no.9, 2014 (SCI-Expanded)
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Memberships / Tasks in Scientific Organizations

İnşaat Mühendisleri Odası, Member, 1991 - Continues

Of Teknik Eğitim Fakültesi Derneği, Chairman, 2015 - 2016

Scientific Refereeing

TUBİTAK Project, 1002 - Quick Support Program, Karadeniz Technical University, Turkey, November 2023

Project Supported by Higher Education Institutions, BAP Infrastructure, Karadeniz Technical University, Turkey, October 2023

GÜMÜŞHANE ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, National Scientific Refreed Journal, July 2022

ARCHIVE OF APPLIED MECHANICS, SCI Journal, May 2022

SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BİLİMLERİ DERGİSİ,

Journal Indexed in ESCI, January 2020

Teknik Dergi, SCI Journal, December 2019

Acta Mechanica, SCI Journal, July 2019

Project Supported by Higher Education Institutions, June 2019

Project Supported by Higher Education Institutions, September 2017

Computers and Concrete, SCI Journal, April 2017

Structural Engineering and Mechanics, SCI Journal, April 2017

Journal of Mechanics of Materials and Structures, SCI Journal, March 2017

Structural Engineering and Mechanics, SCI Journal, January 2016

Sigma Journal of Engineering and Natural Sciences, Journal Indexed in ESCI, December 2014

Structural Engineering & Mechanics, SCI Journal, July 2005

International Journal of Science and Technology , SCI Journal, April 2005

Scientific Consultations

TÜBİTAK, Project Consultancy, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, Turkey, 2024 - Continues

Akdeniz Üniversitesi, Project Consultancy, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, Turkey, 2008 - 2010

Tasks In Event Organizations

Birinci A., 5th International Conference on Advanced Engineering Technologies, Scientific Congress, Bayburt, Turkey, Ağustos 2024

Birinci A., 3rd International Civil Engineering and Architecture Conference (ICEARC'23), Trabzon, Turkey, Scientific

Congress, Trabzon, Turkey, Ekim 2023

Birinci A., 23. Ulusal Mekanik Kongresi, Scientific Congress, Konya, Turkey, Eylül 2023

Birinci A., 22. Ulusal Mekanik Kongresi, Scientific Congress, Adana, Turkey, Eylül 2021

Birinci A., 21. Ulusal Mekanik Kongresi, Scientific Congress, Niğde, Turkey, Eylül 2019

Metrics

Publication: 109

Citation (WoS): 1317

Citation (Scopus): 1187

H-Index (WoS): 20

H-Index (Scopus): 19

Congress and Symposium Activities

International Civil Engineering & Architecture Conference, Attendee, Trabzon, Turkey, 2019

ULUSLARARASI KATILIMLI 6.TARİHİ YAPILARIN KORUNMASI VE GÜÇLENDİRİLMESİ SEMPOZYUMU, Attendee, Trabzon, Turkey, 2017

Teknoloji Fakülteleri VIII. Dekanlar Toplantısı , Attendee, Afyonkarahisar, Turkey, 2016

XIX. Ulusal Mekanik Kongresi, Session Moderator, Trabzon, Turkey, 2015

XIX. Ulusal Mekanik Kongresi, Attendee, Trabzon, Turkey, 2015

XVIII. Ulusal Mekanik Kongresi, Attendee, Manisa, Turkey, 2013

4. International Conference on Mathematical and Computational Applications, Attendee, Manisa, Turkey, 2013

II. International Balkans Conference on Challenges of Civil Engineering, Attendee, Tirana, Albania, 2013

İnşaat Mühendisliğinde 100. Yıl Teknik Kongresi, Attendee, İstanbul, Turkey, 2012

XVII. Ulusal Mekanik Kongresi, Attendee, Elazığ, Turkey, 2011

XVII. Ulusal Mekanik Kongresi, Session Moderator, Elazığ, Turkey, 2011

XIII. Ulusal Mekanik Kongresi, Attendee, Gaziantep, Turkey, 2003

XII. Ulusal Mekanik Kongresi, Attendee, Konya, Turkey, 2001

XI. Ulusal Mekanik Kongresi, Attendee, Bolu, Turkey, 1999

III. Ulusal Hesaplamalı Mekanik Konferansı, Attendee, İstanbul, Turkey, 1998

X. Ulusal Mekanik Kongresi, Attendee, İstanbul, Turkey, 1997

3rd EUROMECH Solid Mechanics Conference, Attendee, Stockholm, Sweden, 1997

II. Ulusal Hesaplamalı Mekanik Konferansı, Attendee, Trabzon, Turkey, 1996

III Balıkesir Mühendislik-Mimarlık Sempozyumu, Attendee, Balıkesir, Turkey, 1995

Awards

BİRİNCİ A., Bölüm ve Fakülte Birinciliği Ödülü, KTÜ Mühendislik-Mimarlık Fakültesi, June 1991

Non Academic Experience

Cevahirler Şirketler Grubu