

# 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 Eğitici 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, Karadeniz Teknik Üniversitesi, 2014 - 2016  
Karadeniz Technical University, Of Teknoloji Fakültesi, 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

- 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
- Doctoral Examination, Doctoral Examination, Karadeniz Teknik Üniversitesi, January, 2021
- Associate Professor Exam, Associate Professor Exam, İstanbul Üniversitesi-Cerrahpaşa, 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  
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  
Academic Staff Examination, Academic Staff Examination, 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  
Appointment to Academic Staff-Assistant Professorship, Yrd. Doç. Kadrosuna Yeniden Atama, Karadeniz Teknik Üniversitesi, February, 2019  
Doctorate, Doctorate, 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, 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, Recep Tayyip Erdoğan Üniversitesi, July, 2014

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

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

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

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

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

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

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

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-Assistant Professorship, Akademik Kadroya Atama Jürisi, Rize Üniversitesi, July, 2012

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

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

Post Graduate, Yüksek Lisans Tez Savunması, Karadeniz Teknik 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, 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. **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)
- IV. **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.00, no.00, 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.  
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T:C: AKÇAABAT 2. ASLİYE CEZA MAHKEMESİ HAKİMLİĞİ, pp.4, Trabzon, 2017

## Supported Projects

BİRİNCİ A., YAYLACI M., ADIYAMAN G., KARABULUT P. M., ÖNER E., TUBITAK Project, Fonksiyonel Derecelendirilmiş

Malzemelerin Sürekli ve Süreksiz Temas Mekaniği, Continues

Birinci A., Yazıcıoğlu A., Project Supported by Higher Education Institutions, PASTERNAK TEMELE OTURAN VE RİJİT DAİRESEL BLOK ARACILIĞIYLA YÜKLENEN BİRİ FONKSİYONEL DERECELENDİRİLMİŞ İKİ TABAKANIN TEMAS PROBLEMİ, 2023 - 2024

## Activities in Scientific Journals

Journal of Structural Engineering & Applied Mechanics, Committee Member, 2018 - Continues

## Memberships / Tasks in Scientific Organizations

İnşaat Mühendisleri Odası, Member, 1991 - Continues

Of Teknik Eğitim Fakültesi Derneği, Chairman, 2015 - 2016

## Scientific Refereeing

TUBITAK 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

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): 1196

Citation (Scopus): 1093

H-Index (WoS): 19

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, Attendee, Trabzon, Turkey, 2015

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

XVII. Ulusal Mekanik Kongresi, Attendee, 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