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International Researcher IDs

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Publons / Web Of Science ResearcherID: A-6056-2010

ScopusID: 18436212100

Yoksis Researcher ID: 111104

Education

Doctorate, University of Washington, Engineering, civil and environmental engineering,
United States Of America 2008 - 2009

Doctorate, Middle East Technical University, Graduate School Of Natural And Applied
Sciences, Turkey 2003 - 2009

Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, Turkey 1997 - 2001

Undergraduate, Ankara University, Mühendislik Fakültesi, Jeoloji Müh., Turkey 1993 -
1997

Biography

Dr. Müge Akin received her B.Sc. (1997) and M.Sc. (2001) in Geological Engineering from Ankara University and PhD. in Geological Engineering from Middle East Technical University (METU) (2009). On her studies in METU, she focused on the seismic microzonation of urban areas and dynamic soil characterization. As a Fulbright Visiting Scholar, she has a chance to make collaboration with Prof. Dr. Steven L. Kramer in the University of Washington (Seattle-USA) who is a worldwide well-known expert in Geotechnical Earthquake Engineering. In METU and University of Washington, she studied interdisciplinary (Civil Engineering and Geological-Geotechnical Engineering) topics for her PhD study. Her PhD has been awarded by a couple of prizes (2009 Erguvanlı Engineering Geology Prize by Turkish IAEG for the best PhD dissertation in Engineering Geology and METU Mustafa Parlar Foundation Prize for the best PhD dissertation in 2009-2010). She has co-authored numerous conference papers and 10 SCI journals.

Certificates, Courses and Trainings

Foreign Language, Pre-Academic Orientation-fulbright, UC Davis-USA, 2008

Education Management and Planning, MEES-One month course, University of Pavia-ITALY, 2007

IT, GIS -2, İŞLEM GIS ŞİRKETLER GRUBU, 2004

IT, GIS -1, İŞLEM GIS ŞİRKETLER GRUBU, 2004

Education Management and Planning, ITC-One course module, ITC-Delft-NETHERLANDS, 2003

Dissertations

Doctorate, Seismic Microzonation of Erbaa (Tokat) Located Along Eastern Segment of North Anatolian Fault Zone , Orta

Doğu Teknik Üniversitesi, Jeoloji Mühendisliği, Uygulamalı Jeoloji, 2009

Postgraduate, Deterministik Yöntemle Türkiye'nin Sismik Tehlike Analizi , Ankara Üniversitesi, Fen Bilimleri Enstitüsü,

Jeoloji Müh., 2001

Research Areas

Geological Engineering, Applied Geology, Civil Engineering, Geotechnical

Academic and Administrative Experience

Erasmus Program Department Coordinator, Abdullah Gul University, Fen Bilimleri Enstitüsü, 2022 - Continues
Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Abdullah Gul University, Mühendislik Fakültesi, İnşaat
Mühendisliği, 2020 - Continues

Head of Department, Abdullah Gul University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2017 - Continues

Erasmus Program Department Coordinator, Abdullah Gul University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2016 -
Continues

Vice Dean, Abdullah Gul University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2023 - 2024

Member of the Senate, Abdullah Gul University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2023 - 2024

Faculty Management Board Member, Abdullah Gul University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2022 - 2024

Courses

Postgraduate

NATURAL STONES IN ARCHITECTURE, Postgraduate, 2021 - 2022, 2020 - 2021

GIS BASED CITY INFORMATION SYSTEMS, Postgraduate, 2022 - 2023

NATURAL HAZARDS IN ARCHITECTURE, Postgraduate, 2020 - 2021

Undergraduate

CAPSTONE PROJECT, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

Foundation Engineering, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

GEOLOGY FOR CIVIL ENGINEERING, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019,
2017 - 2018, 2016 - 2017, 2015 - 2016

SOIL MECHANICS, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

USE OF IN-SITU TESTS IN GEOTECHNICAL ENGINEERING, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 -
2018

EXPLORING PROFESSION, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017

CAPSTONE PROJECT, Undergraduate, 2018 - 2019, 2017 - 2018

GROUND IMPROVEMENT, Undergraduate, 2018 - 2019, 2017 - 2018

Basics of Soil Mechanics, Undergraduate, 2016 - 2017

Zemin Mekaniği-2, Undergraduate, 2014 - 2015, 2012 - 2013

Geosentetikler, Undergraduate, 2014 - 2015

Zemin Mekaniği-1, Undergraduate, 2014 - 2015, 2013 - 2014, 2012 - 2013

Kaya Mekanığı, Undergraduate, 2013 - 2014

Depreme Hazırlık, Undergraduate, 2012 - 2013

Mühendislik Jeolojisi, Undergraduate, 2012 - 2013

Supervised Theses

- Akin M., Kaya Z., Alkali Aktif Uçucu Kül Katkısı İle Organik Zeminlerin İyileştirilmesi, Doctorate, H.YALÇIN(Student), Continues
- Çabalar A. F., Akin M., DYNAMIC SOIL CHARACTERIZATION OF KAHRAMANMARAŞ, TURKEY, Doctorate, D.ABD(Student), 2022
- Akin M., Akin M., Kayseri il merkezindeki bazı tarihi eserlerde bozunmanın değerlendirilmesi / Assessment of the stone deterioration of some historical monuments in Kayseri city center, Postgraduate, M.Kamil(Student), 2021
- Topal T., Akin M., Investigation of rockfall around Ankara Citadel / Ankara Kalesi çevresinde kaya düşmesinin incelenmesi, Postgraduate, N.EI(Student), 2017
- AKIN M., Finite element analysis of soil settlements in Kayseri Organized Industrial Zone, Postgraduate, h.yalçın(Student), 2017
- AKIN M., Van ili deprem sonrası zemin koşulları ve yapı hasar dağılımı, Postgraduate, Z.Aykaç(Student), 2017

Jury Memberships

- Doctorate, Doctorate, Erciyes Üniversitesi, December, 2023
- Doctoral Examination, Doctoral Examination, Erciyes Üniversitesi, June, 2023
- Post Graduate, Post Graduate, Erciyes Üniversitesi, December, 2022
- Doctorate, Doctorate, Orta Doğu Teknik Üniversitesi, September, 2020
- Post Graduate, Post Graduate, Erciyes Üniversitesi, January, 2019
- Post Graduate, Post Graduate, Nevşehir Hacı Bektaş Veli Üniversitesi, February, 2018
- Post Graduate, Post Graduate, Erciyes Üniversitesi, May, 2017
- Post Graduate, Post Graduate, Erciyes Üniversitesi, February, 2017
- Post Graduate, Post Graduate, Erciyes Üniversitesi, March, 2016
- Award, Lisans Bitirme Tez Ödülü, Mühendislik Jeolojisi Derneği, May, 2015

Taught Courses and Trainings

- Akin M., ERASMUS STAFF TEACHING MOBILITY-GEOTECHNICAL LECTURE, 2022 - 2022
- Akin M., ERASMUS STAFF TEACHING MOBILITY-GEOTECHNICAL LECTURE, 2021 - 2021

Journal articles indexed in SCI, SSCI, and AHCI

- I. **Experimental Investigation of Soil Disturbance Effect on Bearing Capacity of Organic Soil**
Çadır C. C., KAYA Z., YALÇIN H., EROL A., UNCUOĞLU E., AKIN M.
International Journal of Civil Engineering, vol.22, no.2, pp.225-240, 2024 (SCI-Expanded)
- II. **Emergency response, and community impact after February 6, 2023 Kahramanmaraş Pazarcık and Elbistan Earthquakes: reconnaissance findings and observations on affected region in Türkiye**
Şenol Balaban M., Doğulu C., Akdede N., Akoğlu H., Karakayalı O., Yılmaz S., Yılmaz S., Ajobiewe T., Güzel S., İkizer G., et al.
Bulletin of Earthquake Engineering, 2024 (SCI-Expanded)
- III. **A new quantitative welding degree classification for ignimbrites**
Akin M., TOPAL T., Dinçer İ., AKIN M., Özvan A., Orhan A., Orhan A.
Environmental Earth Sciences, vol.82, no.13, 2023 (SCI-Expanded)
- IV. **Improvement of an Undisturbed Peat Soil with Jet Grout Columns: Physical and Numerical Modeling**
Yalçın H., Kaya Z., Çadır C. C., Uncuoğlu E., Erol A., Akin M.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.48, no.7, pp.1-20, 2023 (SCI-Expanded)

- V. **Assessment of the effectiveness of a rockfall ditch through 3-D probabilistic rockfall simulations and automated image processing**
 Akin M., Dinçer İ., Ok A. Ö., Orhan A., Akin M., Topal T.
ENGINEERING GEOLOGY, vol.283, 2021 (SCI-Expanded)
- VI. **Evaluation of seismic site classification for Kahramanmaraş City, Turkey**
 Naji D. M., AKIN M., ÇABALAR A. F.
ENVIRONMENTAL EARTH SCIENCES, vol.80, no.3, 2021 (SCI-Expanded)
- VII. **A Comparative Study on the VS30 and N-30 Based Seismic Site Classification in Kahramanmaraş, Turkey**
 Naji D. M., AKIN M., ÇABALAR A. F.
ADVANCES IN CIVIL ENGINEERING, vol.2020, 2020 (SCI-Expanded)
- VIII. **A study of the relationship between the pressuremeter modulus and the preconsolidation pressure around a thrust fault**
 Özvan A., Ozvan E. E., Akkaya İ., Akin M., AKIN M.
ENVIRONMENTAL EARTH SCIENCES, vol.78, no.20, 2019 (SCI-Expanded)
- IX. **Impact of Jet-Grouting Pressure on the Strength and Deformation Characteristics of Sandy and Clayey Soils in the Compression Zone**
 Akin M., Akkaya İ., AKIN M., Özvan A., Ak Y.
KSCE JOURNAL OF CIVIL ENGINEERING, vol.23, no.8, pp.3340-3352, 2019 (SCI-Expanded)
- X. **Comparison of SPT and V-s-based liquefaction analyses: a case study in Ercis (Van, Turkey)**
 Akkaya İ., Özvan A., Akin M., AKIN M., Ovun U.
ACTA GEOPHYSICA, vol.66, no.1, pp.21-38, 2018 (SCI-Expanded)
- XI. **Dynamic soil characterization and site response estimation for Erbaa, Tokat (Turkey)**
 AKIN M., KRAMER S. L., TOPAL T.
NATURAL HAZARDS, vol.82, no.3, pp.1833-1868, 2016 (SCI-Expanded)
- XII. **Experimental studies on the physico-mechanical properties of jet-grout columns in sandy and silty soils**
 AKIN M.
JOURNAL OF AFRICAN EARTH SCIENCES, vol.116, pp.190-197, 2016 (SCI-Expanded)
- XIII. **Mikrobölgeleme Çalışmasına Altlık Oluşturmak Üzere Van Yüzüncü Yıl Üniversitesi Kampüs Zemininin Dinamik Özelliklerinin Belirlenmesi**
 AKIN M., AKIN M., AKKAYA İ., OZVAN A., SELÇUK L., ÜNER S., TAPAN M.
Jeoloji Mühendisliği Dergisi, vol.39, no.1, pp.1-26, 2015 (AHCI)
- XIV. **Evaluation of liquefaction in Karasu River floodplain after the October 23, 2011, Van (Turkey) earthquake**
 Akin M., Özvan A., Akin M. K., TOPAL T.
NATURAL HAZARDS, vol.69, no.3, pp.1551-1575, 2013 (SCI-Expanded)
- XV. **A newly developed seismic microzonation model of Erbaa (Tokat, Turkey) located on seismically active eastern segment of the North Anatolian Fault Zone (NAFZ)**
 Akin M., TOPAL T., KRAMER S. L.
NATURAL HAZARDS, vol.65, no.3, pp.1411-1442, 2013 (SCI-Expanded)
- XVI. **Rockfall hazard analysis for an historical Castle in Kastamonu (Turkey)**
 TOPAL T., Akin M., Akin M.
NATURAL HAZARDS, vol.62, no.2, pp.255-274, 2012 (SCI-Expanded)
- XVII. **Seismic Microzonation of Erbaa, Tokat Province, Turkey, Based on Analytical Hierarchical Process**
 Akin M., TOPAL T., Kramer S. L.
ENVIRONMENTAL & ENGINEERING GEOSCIENCE, vol.18, no.2, pp.191-207, 2012 (SCI-Expanded)
- XVIII. **Empirical correlations of shear wave velocity (V-s) and penetration resistance (SPT-N) for different soils in an earthquake-prone area (Erbaa-Turkey)**
 Akin M., KRAMER S. L., TOPAL T.
ENGINEERING GEOLOGY, vol.119, no.1-2, pp.1-17, 2011 (SCI-Expanded)

- XIX. **Investigation of the Macro Pore Geometry of Yellow Travertines Using the Shape Parameter Approach**
 Akin M., Ozsan A., AKIN M.
 ENVIRONMENTAL & ENGINEERING GEOSCIENCE, vol.15, no.3, pp.197-209, 2009 (SCI-Expanded)
- XX. **Geotechnical assessment of a landslide along a natural gas pipeline for possible remediations (Karacabey-Turkey)**
 TOPAL T., Akin M.
 ENVIRONMENTAL GEOLOGY, vol.57, no.3, pp.611-620, 2009 (SCI-Expanded)
- XXI. **Assessment of rockfall hazard around Afyon Castle, Turkey**
 TOPAL T., Akin K. M., OZDEN U. A.
 ENVIRONMENTAL GEOLOGY, vol.53, no.1, pp.191-200, 2007 (SCI-Expanded)
- XXII. **Seismic hazard map of Turkey using the deterministic approach**
 Kayabali K., Akin M.
 Engineering Geology, vol.69, pp.127-137, 2003 (SCI-Expanded)

Articles Published in Other Journals

- I. **Rockfall Hazard Assessment Around Ankara Citadel (Turkey) Using Rockfall Analyses and Hazard Rating System**
 San N. E., TOPAL T., AKIN M.
 GEOTECHNICAL AND GEOLOGICAL ENGINEERING, vol.38, no.4, pp.3831-3851, 2020 (ESCI)
- II. **Kaya Tutma Hendek Performansının 3-Boyutlu Kaya Düşme Analizleriyle Değerlendirilmesi: Akköy (Ürgüp) Örneği**
 AKIN M., DİNÇER İ., ORHAN A., OK A. Ö., AKIN M., TOPAL T.
 Jeoloji Mühendisliği Dergisi, vol.43, no.2, pp.211-232, 2019 (Scopus)
- III. **Düzce Kent Merkezi Zeminlerinin Sıvılaşma Potansiyelinin Değerlendirilmesi**
 AKIN M.
 jeoloji mühendisliği dergisi, vol.43, no.1, pp.39-56, 2019 (Scopus)
- IV. **Kayma Dalgası Hızı (Vs) Kullanılarak Erciş (Van) Yerleşim Alanının Sıvılaşma Potansiyelinin Değerlendirilmesi**
 AKKAYA İ., ÖZVAN A., AKIN M., AKIN M., Övün U.
 Çukurova Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi, vol.32, pp.55-68, 2017 (Peer-Reviewed Journal)
- V. **The Effect of Jet Grouting on The Cyclic Stress Ratio CSR For The Mitigation of Liquefaction**
 AKIN M., AKIN M., ÇİFTÇİ a., BAYRAM b. b.
 Elektronik Mesleki Gelişim ve Araştırma Dergisi, vol.1, pp.9-20, 2015 (Peer-Reviewed Journal)
- VI. **Measures to establish a safe route for new and existing gas pipelines between Turkey and Greece**
 TOPAL T., AKIN M.
 EXPLORATION AND PRODUCTION OIL-GAS REVIEW, vol.7, no.1, pp.102-104, 2009 (Peer-Reviewed Journal)

Books

- I. **Landslide Investigation of a Residential Area in Göynüklü Village, Bursa (Turkey)**
 TOPAL T., AKIN M., doyuran v.
 in: Advancing Culture of Living with Landslides Volume 2 Advances in Landslide Science, Mikoš, Matjaž Tiwari, Binod Yin Yueping Sassa, Kyoji, Editor, Springer, pp.281-288, 2017

Papers Presented at Peer-Reviewed Scientific Conferences

- I. INVESTIGATION OF ORGANIC SOIL REINFORCED WITH SINGLE STONE COLUMNS BY MODEL EXPERIMENTS**
Çadır C. C., Kaya Z., Yalçın H., Erol A., Uncuoğlu E., Akin M.
9th INTERNATIONAL BLACK SEA COASTLINE COUNTRIES SCIENTIFIC RESEARCH CONFERENCE, Ankara, Turkey,
10 - 11 August 2023, pp.184-194
- II. IMPROVEMENT OF ORGANIC SOIL USING JET GROUT COLUMNS**
Yalçın H., Kaya Z., Çadır C. C., Erol A., Uncuoğlu E., Akin M.
9th INTERNATIONAL BLACK SEA COASTLINE COUNTRIES SCIENTIFIC RESEARCH CONFERENCE, Ankara, Turkey,
10 - 11 August 2023, pp.176-183
- III. -Boyutlu Kaya Düşme Analizlerinde TLS ve İHA ile Oluşturulan Sayısal Yüzey Modellerinin Kullanımı
Use of Digital Surface Models Generated by TLS and UAV in 3-Dimensional Rockfall Analyses**
Akin M., Dinçer İ., Ok A. Ö., Orhan A., Akin M., Topal T.
mühjeo2021 Ulusal Mühendislik Jeolojisi ve Jeoteknik Sempozyumu, İstanbul, Turkey, 2 - 04 June 2022, pp.1-10
- IV. Assesment of design strategies of post-earthquake housing in Turkey**
Akin M., Aslan A., Aydin H. N.
6th International Conference on Earthquake engineering and seismology, Kocaeli, Turkey, 13 - 15 October 2021,
pp.528-537
- V. Determination of Geotechnical Properties of Kayseri Free Zone Organic Soils**
Yalçın H., Çadır C. C., Kaya Z., Erol A., Uncuoğlu E., Akin M.
The 3rd International Symposium of Engineering Applications on Civil Engineering and Earth Sciences 2021
(IEACES2021), Karabük, Turkey, 22 - 24 September 2021, pp.92-102
- VI. 2. AKGÜL, A., AKIN, M., AKIN, M.K., 2021. Evaluation of Kayseri soils based on shear wave velocity.**
2nd International Şişli Science Congress (İSSC) hosted by İstanbul Şişli Vocational School for Higher Education. 27-28 May 2021, Abstract Book, 65-66, İstanbul, Turkey.
Akin M.
2nd International Şişli Science Congress (İSSC) hosted by İstanbul Şişli Vocational School for Higher Education. 2, İstanbul, Turkey, 27 - 28 May 2021, pp.65-66
- VII. 1. AKGÜL, M.K., AKIN, M., AKIN, M.K., 2021. Investigation of the deterioration effects on several Seljuk tombs in Kayseri city. International Symposium of Scientific Research and Innovative Studies. 22-25 February 2021, Abstract Book, 76-78, Bandırma, Turkey.**
Akin M.
International Symposium of Scientific Research and Innovative Studies, Balıkesir, Turkey, 22 - 25 February 2021,
pp.76-78
- VIII. Rock Mass Instabilities in Historical Rock Hewn Structures in the Cappadocia Region**
AKIN M., DINÇER İ., AKIN M., ORHAN A.
First International Şişli Science Congress, İstanbul, Turkey, 24 - 25 October 2019, pp.56-57
- IX. ASSESSMENT OF LATERAL SPREADING IN KARASU, VAN (TURKEY) AFTER THE OCTOBER 23, 2011 VAN EARTHQUAKE**
AKIN M., AKIN M., ÖZVAN A., TOPAL T.
5. International Conference on Earthquake Engineering and Seismology (5ICEES), Ankara, Turkey, 8 - 11 October 2019, vol.1, pp.1-9
- X. Assessment of the durability of different travertine lithotypes used as armourstone around the coasts of Lake Van**
ÖZVAN A., AKIN M., AKIN M., TOPAL T.
7 International Earth Science Colloquium on the Aegean Region, İzmir, Turkey, 7 - 11 October 2019, pp.167
- XI. Van Fayı Civarındaki Kil Zeminlerin Mühendislik Özellikleri (Engineering Properties of Clay Soils near The Scarp of Van Thrust Fault)**
ÖZVAN A., Özvan E. E., AKKAYA İ., AKIN M., AKIN M.
Ulusal Mühendislik Jeolojisi ve Jeoteknik Sempozyumu 2019 (MühJeo 2019), Denizli, Turkey, 3 - 05 October 2019
- XII. Mapping of Vs30 and N30 values for Kahramanmaraş, Turkey with topo to raster technique**
Naji D., AKIN M., ÇABALAR A. F.

ISADET 2019, 2 - 04 May 2019

- XIII. **Jet-Enjeksiyon Basıncının Enjeksiyon Kolonu Çevresindeki Zeminlerin Dayanım Özellikleri Üzerindeki Etkisi**
AKIN M., AKKAYA İ., AKIN M., ÖZVAN A., Ak Y.
Uluslararası Katılımlı 72. Türkiye Jeoloji Kurultayı, Ankara, Turkey, 28 January - 01 February 2019
- XIV. **Van Gölü Kıyılarında Anroşman Olarak Kullanılan Volkanik Kayaların Duraylılığını Ve Performansının Değerlendirilmesi**
ÖZVAN A., AKIN M., AKIN M., TOPAL T.
9. Kıyı Mühendisliği Sempozyumu, Adana, Turkey, 1 - 03 November 2018, vol.1, pp.252-263
- XV. **3-B kaya düşme analizleri için sayısal yüzey modellerinin oluşturulmasında nokta bulutlarının kullanımı**
AKIN M., DİNÇER İ., OK A. Ö., ORHAN A., AKIN M., TOPAL T.
2. Ulusal Heyelan Sempozyumu, Ankara, Turkey, 11 - 12 October 2018, pp.15-16
- XVI. **Evaluation of the performance of geotextiles using Finite Element Analysis in the settlement results: A case study in Kayseri, Turkey**
Yalçın H., Çabalar A. F., Akin M.
11th International Conference on Geosynthetics (11ICG), Seoul, South Korea, 16 - 21 September 2018, pp.1-7
- XVII. **DÜZCE KENT MERKEZİ ZEMİNLERİNİN SİVİLİŞMA POTANSİYELİNİNDEĞERLENDİRİLMESİ**
AKIN M.
71 TÜRKİYE ULUSLARARASI KATILIMLI JEOLOJİ KURULTAYI, 23 - 27 April 2018
- XVIII. **Yersel lazer tarama ve insansız hava aracı ile elde edilen sayısal yüzey modelleri üzerinde 3-boyutlu kaya düşme analizleri: Akköy (Ürgüp) örneği**
AKIN M., DİNÇER İ., OK A. Ö., ORHAN A., AKIN M., TOPAL T.
71. TÜRKİYE JEOLOJİ KURULTAYI, Ankara, Turkey, 23 - 27 April 2018, pp.643-644
- XIX. **Landslide Investigation of a Residential Area in Goynuklu Village, Bursa (Turkey)**
TOPAL T., AKIN M., Doyuran V.
4th World Landslide Forum, Ljubljana, Slovenia, 29 May - 02 June 2017, pp.281-288
- XX. **Landslide Investigation of A Residential Area in Göynüklü Village, Bursa-Turkey**
TOPAL T., AKIN M., DOYURAN V.
4th World Landslide Forum, 29 May 2017 - 02 June 2917, pp.281-288
- XXI. **Significance of Geotechnical Investigations during the Minig of Underground Resources**
AKIN M., AKIN M.
Bozok University 1st International Underground Resources and Energy Conference, Yozgat, Turkey, 6 - 08 October 2016, pp.37
- XXII. **An examination of damage distribution patterns in Van, Turkey: geological and geotechnical considerations**
Aykaç Z., AKIN M., Çabalar A. F.
World Multidisciplinary Earth Sciences Symposium - WMESS, Prag, Czech Republic, 7 - 11 September 2015, pp.88
- XXIII. **Simple Additive Weighting (SAW)-GIS based-seismic microzonation model of Erbaa (Tokat-Turkey)**
AKIN M., TOPAL T., KRAMER S. L.
World Multidisciplinary Earth Sciences Symposium - WMESS, Prag, Czech Republic, 7 - 11 September 2015, pp.71
- XXIV. **2011 Van Depremleri Sonrası Hasar Dağılımının Zemin Özellikleri İle Olan İlişkisinin Araştırılması: Abdurrahmangazi Mahallesi Örneği**
Aykaç Z., AKIN M., Çabalar A. F.
Doğu Anadolu Jeoloji (DAJEO2015) sempozyumu, Van, Turkey, 7 - 11 September 2015, pp.1
- XXV. **Erciş (Van) yerleşim alanındaki zeminlerin sivillaşma potansiyelinin değerlendirilmesi**
AKIN M., AKIN M., AKKAYA İ., OZVAN A., Şengül A.
2015 Ulusal Mühendislik Jeolojisi Sempozyumu (MUHJEO'2015), Trabzon, Turkey, 3 - 05 September 2015, pp.1-10
- XXVI. **Yüzüncü Yıl Üniversitesi Zeve Yerleşkesi'nin Sivilleşme Potansiyelinin Değerlendirilmesi,**
AKIN M., AKIN M., AKKAYA İ., OZVAN A., ÜNER S., SELÇUK L., TAPAN M.
68. Türkiye Jeoloji Kurultayı Bildiri Özleri, Ankara, Turkey, 6 - 10 April 2015, pp.1

- XXVII. **The Rockfall Potential of the Southwestern Part of Kastamonu Castle (Turkey) Based on 2-D and 3-D Analyses**
AKIN M., TOPAL T., AKIN M.
Landslide Science for a Safer Geoenvironment, Pekin, China, 3 - 05 May 2014, pp.123-127
- XXVIII. **23 Ekim 2011 Van-Erciş depremi'nde meydana gelen sivilaşmanın geriye dönük analizle değerlendirilmesi**
AKIN M., OZVAN A., AKIN M., TOPAL T.
67. Türkiye Jeoloji Kurultayı Bildiri Özleri, Ankara, Turkey, 14 - 18 April 2014, pp.1
- XXIX. **Importance of Seismic Microzonation for Urban Planning**
TOPAL T., AKIN M.
International Van Earthquake Symposium, Van, Turkey, 23 - 27 October 2013, pp.1-10
- XXX. **Erbaa (Tokat) Yerleşim Alanındaki Sivilaşma Potansiyelinin Değerlendirilmesi.**
AKIN M., KRAMER S. L., TOPAL T.
2. Türkiye Deprem Mühendisliği ve Sismoloji Konferansı, Hatay, Turkey, 25 - 27 September 2013, pp.1-9
- XXXI. **Assessment of post-liquefaction settlements in Erbaa (Tokat-Turkey)**
AKIN M., KRAMER S. L., TOPAL T.
International Conference on Earthquake Geotechnical Engineering, from Case Histories to Practice; In the Honor of Prof. Kenji Isha, İstanbul, Turkey, 17 - 19 June 2013, pp.1-10
- XXXII. **Ground Deformations Observed after 23.10.2011 Mw 7.2 Van Earthquake 4.11a,**
AKIN M., OZVAN A., AKIN M., TOPAL T.
Seventh International Conference on Case Histories in Geotechnical Engineering and Symposium in Honor of Clyde Baker,, Wheeling, United States Of America, 29 April - 04 May 2013, pp.1-10
- XXXIII. **Evaluation of Site Amplification of Erbaa, Tokat (Turkey)**
AKIN M., KRAMER S. L., TOPAL T.
Seventh International Conference on Case Histories in Geotechnical Engineering and Symposium in Honor of Clyde Baker,, Wheeling, United States Of America, 29 April - 04 May 2013, pp.1-10
- XXXIV. **Ground Deformations Observed after 23 10 2011 Mw 7 2 Van Earthquake**
AKIN M., ÖZVAN A., AKIN M., TOPAL T.
Seventh International Conference on Case Histories in Geotechnical Engineering and Symposium in Honor of Clyde Baker, WHEELING, United States Of America, 29 April - 04 May 2013
- XXXV. **23 Ekim 2011 Van Depremi'nde oluşan sivilaşmaya yönelik arazi değerlendirmeleri**
AKIN M., OZVAN A., AKIN M., TOPAL T.
66. Türkiye Jeoloji Kurultayı Bildiri Özleri, Ankara, Turkey, 1 - 05 April 2013, pp.430-431
- XXXVI. **Evaluation of shear wave velocities using SPT-based uphole: A case study from Erbaa (Tokat-Turkey)**
AKIN M., Kramer S. L., Topal T.
4th International Conference on Site Characterization (ISC), Porto Galinhas, Brazil, 17 - 21 September 2012, pp.897-902
- XXXVII. **The potential of liquefaction-induced lateral spreading in Erbaa (Tokat-Turkey)**
AKIN M., Kramer S. L., Topal T.
4th International Conference on Site Characterization (ISC), Porto Galinhas, Brazil, 17 - 21 September 2012, pp.1513-1517
- XXXVIII. **Evaluation of the rockfall potential of Kastamonu Castle using 3-D Analysis.**
AKIN M., TOPAL T., AKIN M.
Proceedings of the Second World Landslide Forum, Roma, Italy, 3 - 07 October 2011, pp.1-5
- XXXIX. **Kentsel Tasarımdan Kaynaklanan Sorunlar: Bitlis Örneği**
Akin G., AKIN M.
7. Ulusal Van Gölü Havzası Sempozyumu, Bitlis, Turkey, 3 - 07 October 2011, pp.1-10
- XL. **Multidisciplinary natural hazard analysis along the eastern segments of the north Anatolian fault zone, Turkey**
Tatar O., TOPAL T., AKIN M.

- SIXTH NEPAL GEOLOGICAL CONGRESS on Geology, Natural Resources, Infrastructures, Climate Change and Natural Disasters, Kathmandu, Nepal, 15 - 17 October 2010, pp.122
- XLI. **GIS-based seismic microzonation of urban areas: A case study from Erbaa (Tokat-Turkey)**
AKIN M., TOPAL T.
Geologically Active: 5-10 September 2010 Proceedings of the 11th IAEG Congress, Auckland, New Zealand, 5 - 10 September 2010, pp.1-10
- XLII. **Evaluation of shear wave velocity in a seismically active area (Erbaa, Turkey)**
AKIN M., KRAMER S. L., TOPAL T.
5th International Conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics, San Diego, United States Of America, 24 - 29 May 2010, pp.1-5
- XLIII. **COMPARISON OF MEASURED AND ESTIMATED SHEAR WAVE VELOCITIESIN A SEISMICALLY ACTIVE AREA (ERBAA, TURKEY)**
AKIN M., KRAMER S., TOPAL T.
5th International Conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics, san diego, United States Of America, 24 - 29 May 2010
- XLIV. **Rockfall Potential of Kastamonu Castle**
TOPAL T., AKIN M., AKIN M.
ISRM-EUROCK-2009-121, Cavtat, Croatia, 29 - 31 October 2009, pp.745-748
- XLV. **Investigation of rockfall problems around Kastamonu Castle.**
TOPAL T., AKIN M., AKIN M.
Third International Conference on New Development in Rock Mechanics and Engineering. & Sanya forum for the plan of city and city construction, Sanya, China, 24 - 26 May 2009, pp.1-5
- XLVI. **Estimation of liquefaction effects of Erbaa (Turkey) by using liquefaction potential index**
AKIN M., TOPAL T.
Euroengeo 2008, Madrid, Spain, 15 - 20 September 2008, pp.1-10
- XLVII. **Assessment Of SPT-Based Liquefaction Potential Of Erbaa (Tokat), Turkey**
AKIN M., TOPAL T.
International Conference on Case Histories in Geotechnical Engineering, Arlington, United States Of America, 12 - 16 August 2008, pp.1-10
- XLVIII. **Assessment of SPT based liquefaction of Erbaa Tokat Turkey**
AKIN M., TOPAL T.
6th Int. Conference on Case Histories in Geotechnical Engineering, Darlington, United Kingdom, 12 - 16 August 2008
- XLIX. **Investigation of a landslide along a natural gas pipeline (Karacabey-Turkey)**
TOPAL T., AKIN M.
10th International Symposium on Landslides and Engineered Slopes, Xian, China, 30 June - 04 July 2008, pp.1647-1652
- L. **Kelkit Vadisi Afet Bilgi Sistemi (Kabis) Altyapısının Oluşturulması**
Tatar O., TOPAL T., AKIN M.
TMMOB Harita ve Kadastro Mühendisleri Odası Ulusal Coğrafi Bilgi Sistemleri Kongresi, Trabzon, Turkey, 30 October - 02 November 2007, pp.1
- LI. **Kuzey Anadolu Fay Zonu Üzerinde Kelkit Vadisi Boyunca Yer Alan Yerleşim Alanlarının Doğal Afet Risk Analizi, CBS Tabanlı Afet Bilgi Sistemi (KABİS) Tasarımı: Proje Tanıtımı ve Ön Bulgular**
Tatar O., TOPAL T., AKIN M.
Active Tectonic Research Group, 11th Meeting, Kocaeli, Turkey, 1 - 02 November 2007, pp.1
- LII. **Kelkit Vadisi Afet Bilgi Sistemi KABİS Altyapısının Oluşturulması**
TATAR O., TÜRK T., GÜRSOY H., HASTAOĞLU K. Ö., AYAZLI İ. E., POYRAZ F., GÜRSOY Ö., zabıcı c., DEMİR G., DİKMEN Ü., et al.
TMMOB Harita ve Kadastro Mühendisleri Odası Ulusal Coğrafi Bilgi Sistemleri Kongresi, Trabzon, Turkey, 30 October - 02 November 2007
- LIII. **Kuzey Anadolu Fay Zonu Üzerinde Kelkit Vadisi Boyunca Yer Alan Yerleşim Alanlarının Cbs Tabanlı**

- Afet Bilgi Sistemi (Kabis) Tasarımı Ve Ön Bulgular**
Tatar O., TOPAL T., AKIN M.
Cukurova Universitesi 30. Yıl Jeoloji Sempozyumu, Adana, Turkey, 25 - 27 October 2007, pp.1
- LIV. **Kuzey Anadolu Fay Zonu Üzerinde Kelkit Vadisi Boyunca Yer Alan Yerleşim Alanlarının CBS Tabanlı Afet Bilgi Sistemi KABİS Tasarımı ve Ön Bulgular**
TATAR O., GÜRSOY H., ALTUNEL E., AKYÜZ H. S., TOPAL T., SEZEN T. F., KOÇBULUT F., MESCİ B. L., KAVAK K. Ş., DİKMEN Ü., et al.
Çukurova Üniversitesi, Jeoloji Mühendisliği Bölümü 30. Yıl Sempozyumu, Adana, Turkey, 25 - 27 October 2007
- LV. **Kuzey Anadolu Fay zonu üzerinde Kelkit vadisi boyunca yer alan yerleşim alanlarının doğal afet risk analizi ve afet bilgi sisteminin oluşturulması: ilk sonuçlar**
Tatar O., TOPAL T., AKIN M.
Active Tectonic Research Group, 10th Meeting, İzmir, Turkey, 2 - 04 November 2006, pp.83-84
- LVI. **KAFZ üzerinde Kelkit Vadisi Boyunca Yer Alan Yerleşim Alanlarının Doğal Afet Risk Analizi ve Afet Bilgi Sisteminin Oluşturulması**
TATAR O., GÜRSOY H., ALTUNEL E., AKYÜZ H. S., TOPAL T., KAVAK K. Ş., SEZEN T. F., KOÇBULUT F., MESCİ B. L., DİKMEN Ü., et al.
Aktif Tektonik Araştırma Grubu 10. Toplantısı, İzmir, Turkey, 2 - 04 November 2006
- LVII. **Analysis and evaluation of rockfall hazard around Afyon Castle, Turkey**
TOPAL T., AKIN M., OZDEN U. A.
IAEG2006 Engineering geology for tomorrow's cities, Nottingham, United Kingdom, 6 - 10 September 2006, pp.1-10
- LVIII. **Evaluation of Afyonkarahisar rockfall problems**
TOPAL T., AKIN M., OZDEN U. A.
Symposium on Recent Application in Eng. Geology, Denizli, Turkey, 25 - 27 May 2006, pp.1
- LIX. **Afyonkarahisar kalesi çevresindeki olası kaya düşme riskinin değerlendirilmesi**
TOPAL T., AKIN M., ÖZDEN U.
Mühendislik Jeolojisinde Çağdaş Uygulamalar Semposyumu, Denizli, Turkey, 25 - 27 May 2006, pp.91-99
- LX. **Kinetic energies of rockfalls**
AKIN M., TOPAL T., OZDEN U. A.
59th Geological Congress of Turkey,, Ankara, Turkey, 20 - 24 March 2006, pp.1
- LXI. **Kaya düşmelerinin kinetik enerji dağılımı açısından değerlendirilmesine bir örnek çalışma**
AKIN M., TOPAL T., ÖZDEN U.
59. Türkiye Jeoloji Kurultayı, Ankara, Turkey, 20 - 24 March 2006
- LXII. **Possible rockfall problems around Afyonkarahisar Castle**
TOPAL T., AKIN M., OZDEN U. A.
40. Yıl Jeoloji Sempozyumu, Trabzon, Turkey, 27 - 30 September 2005, pp.1
- LXIII. **Afyonkarahisar Kalesi civarındaki olası kaya düşme problemleri**
TOPAL T., AKIN M., Özden A. U.
KTÜ 40. Yıl Jeoloji Sempozyumu, Trabzon, Turkey, 27 - 30 September 2005, pp.175-176
- LXIV. **Slope stability analysis in rock slopes by using probabilistic approach: A case study.**
AKIN M., AKIN M., OZSAN A.
58th Geological Congress of Turkey, Ankara, Turkey, 11 - 17 April 2005, pp.1
- LXV. **Seismic hazard map of Turkey**
AKIN M., kayabali k.
Active Tectonic Research Group, 5th Meeting, Ankara, Turkey, 15 - 16 November 2001, pp.1
- LXVI. **Türkiye nin sismik tehlike haritası**
AKIN M., KAYABALI K.
ATAG 5, Ankara, Turkey, 15 - 16 November 2001

Other Publications

I. TÜRKİYE'DEKİ DEPREM SONRASI KONUT TASARIM STRATEJİLERİNİN DEĞERLENDİRİLMESİ

Akin M., Aslan A.

Other, pp.30-37, 2022

Funded Projects

Akin M., TUBITAK Project, Geakdes: Gerçek Zamanlı Deprem Afet / Süreç Yönetimi için Yapay Zekâ Temelli Akıllı Karar Destek Sistemi, 2022 - 2024

Akin M., Metin B., Kaya Z., Özmen M., TUBITAK Project, Determining Ideal Post-Earthquake Housing Design Criteria with an Interdisciplinary Approach and Developing a Decision Support System, 2021 - 2024

Akin M., Bozkurt E., Topal T., Municipality, İzmir İli Depremsellik Araştırması Ve Bayraklı, Bornova Ve Konak İlçe Sınırları İçerisindeki Yaklaşık 10802 Hektarlık Alanın Zemin Yapısı İle Zemin Davranış Özelliklerinin Modellenmesi Ortak Hizmet Projesinde, 2021 - 2024

Kaya Z., Akin M., TUBITAK Project, Farklı Yöntemler İle Laboratuvar Ortamında Modellenerek İyileştirilen Organik Zeminlerin Nümerik Yöntemlere Bağlı Olarak Değerlendirilmesi, 2020 - 2023

Akin M., Project Supported by Other Official Institutions, Doğal Afetlerin Ekonomik Etkilerinin ÇOKLU KARAR MEKANİZMALARI, 2019 - 2022

Akin M., Ok A. Ö., Akin M., Project Supported by Other Official Institutions, Kapadokya (Nevşehir) Bölgesindeki Kaya Düşmelerinin Arazi Lazer Taraması (TLS) Yardımıyla 3-Boyutlu (3-D) Analizi ve Kaya Düşme Tehlike Haritalarının Oluşturulması, 2016 - 2019

Akin M., Özvan A., TUBITAK Project, Van Gölü çevresindeki kıyı koruma yapılarında kullanılan anroşmanların duraylılığının ve performansının değerlendirilmesi, 2014 - 2015

Akin M., Akin M., Özvan A., Akkaya İ., Project Supported by Higher Education Institutions, Erciş (Van) yerleşim alanının sivilashma potansiyelinin farklı yöntemlerle değerlendirilmesi, 2014 - 2015

Akin M., Akin M., Özvan A., Tapan M., Selçuk L., Üner S., Akkaya İ., Project Supported by Higher Education Institutions, Yüzüncü Yıl Üniversitesi ve yakını çevresindeki zeminlerin statik ve dinamik koşullardaki jeo-mühendislik özelliklerinin araştırılması ve mikrobölgeleme haritalarının hazırlanması, 2011 - 2015

Akin M., Topal T., Project Supported by Higher Education Institutions, Erbaa Tokat alüvyal zeminlerine ait makaslama dalgası hızları veri tabanı oluşturulması ve yerleşim alanı için zemin büyütme değerlerinin tespiti, 2009 - 2010

Akin M., Topal T., Akin M., Project Supported by Higher Education Institutions, Kastamonu kalesi çevresindeki kaya düşme tehlikesinin incelenmesi, 2008 - 2009

Akin M., Topal T., TUBITAK Project, GIS-based microzonation of Erbaa (Tokat) located on the North Anatolian Fault Zone, 2007 - 2009

AKIN M., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Aktif Fay Zonları ve Doğal Afetler : Kuzey Anadolu Fay Zonu Üzerinde Kelkit Vadisi Boyunca Yer Alan Yerleşim Alanlarının Doğal Afet Risk Analizi ve Afet Bilgi Sisteminin Oluşturulması, 2006 - 2009

Akin M., Akin M., Özsan A., Project Supported by Higher Education Institutions, Orta Anadolu daki bazı travertenlerin bozunma mekanizmasının araştırılması, 2007 - 2008

Akin M., Topal T., TUBITAK Project, Mersin ve Kumkuyu Limanlarında Kullanılan Anroşmanların Performansları Dikkate Alınarak Dayanıklılık Kriterlerinin Belirlenmesi, 2006 - 2007

Akin M., Topal T., Project Supported by Higher Education Institutions, Afyon kalesi çevresinde kaya düşmesi tehlikesinin belirlenmesi, 2004 - 2005

Activities in Scientific Journals

Jeoloji Mühendisliği Dergisi, Assistant Editor/Section Editor, 2017 - Continues

Memberships and Roles in Scientific Organizations

Zemin Mekaniği ve Geoteknik Mühendisliği Derneği, Member, 2015 - Continues
Türkiye Deprem Mühendisliği Derneği, Member, 2012 - Continues
Fulbright Derneği Üyeliği, Member, 2010 - Continues
Mühendislik Jeolojisi Derneği, Member, 2006 - Continues
JEOLOJİ MÜHENDİSLERİ ODASI, Member, 1997 - Continues

Peer Reviews in Scientific Publications

EARTHQUAKE SCIENCE, Other Indexed Journal, November 2016
Jeoloji Mühendisliği Dergisi, Other Indexed Journal, November 2016
SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, SCI Journal, July 2016
ENGINEERING GEOLOGY, SCI Journal, June 2016
Georisk: Assessment and Management of Risk for Engineered Systems and Geohazards, Other Indexed Journal, February 2016
GEODINAMICA ACTA, SCI Journal, February 2016
ENGINEERING GEOLOGY, SCI Journal, July 2015
ENVIRONMENTAL EARTH SCIENCES, SCI Journal, March 2015
Journal of African Earth Science, SCI Journal, January 2015
ENGINEERING GEOLOGY, SCI Journal, November 2014
ENGINEERING GEOLOGY, SCI Journal, August 2014
ENGINEERING GEOLOGY, SCI Journal, June 2014
ENGINEERING GEOLOGY, SCI Journal, January 2014
ENGINEERING GEOLOGY, SCI Journal, September 2013

Scientific Consultations

ÇEVRE VE ŞEHİRCİLİK BAKANLIĞI, Scientific Consultancy, Abdullah Gul University, Mühendislik Fakültesi, İnşaat Mühendisliği, Turkey, 2021 - Continues

Mobility Activity

Erasmus Programme, Lecturing, Università Degli Studi "G. D'Annunzio"-Chieti, Italy, 2022 - 2022
Erasmus Programme, Lecturing, Ostrava technical University, Czech Republic, 2021 - 2021

Metrics

Publication: 96
Citation (WoS): 239
Citation (Scopus): 450
H-Index (WoS): 8
H-Index (Scopus): 12

Congress and Symposium Activities

ZMGM 18, Working Group, Kayseri, Turkey, 2022

Ulusal Mühendislik Jeolojisi Sempozyumu, Session Moderator, Trabzon, Turkey, 2015
2013 International Van Earthquake Symposium, Session Moderator, Van, Turkey, 2013

Invited Talks

20 Aralık 1943 Erbaa Depremi ve Depremler, Conference, Erbaa Belediyesi, Turkey, December 2022

Scholarships

Fulbright Visiting Scholar, Fulbright Program, 2008 - 2009

Awards

Akin M., Dinçer İ., Ok A. Ö., Orhan A., Akin M., Topal T., Erguvanlı'2021 Mühendislik Jeolojisi Ödülleri , Ulusal Mühendislik Jeolojisi Derneği, November 2021

AKIN M., Erguvanlı Mühendislik Jeolojisi Doktora Tez Ödülü, Mühendislik Jeolojisi Derneği, December 2009

AKIN M., Yılın tezi ödülü, ODTÜ Mustafa Parlar Vakfı, May 2009

AKIN M., ODTÜ Akademik Aktivite Ödülü, ODTÜ, November 2007

Visual Activities

Akin M., Gündem Özel-AGÜ İnş.Müh.Doç.Dr.Müge Akin 16.11.2016, TV Show, 2016 - 2016

Representation and Promotion Activities

Institutional Representation, University Chieti-Pescara, Italy, Pescara, 2022 - 2022

Institutional Representation, TU OSTRAVA, Czech Republic, Ostrava, 2021 - 2021

Non Academic Experience

Business Establishment Private, İşlem Cbs

Business Establishment Private, Sprektra Jeotek