

Assoc. Prof. ÖZKAN CORUK



Personal Information

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Öğretim Üyesi, Umuttepe Yerleşkesi 41001, İzmit/KOCAELİ



International Researcher IDs

ORCID: 0000-0001-5072-200X

Publons / Web Of Science ResearcherID: F-4917-2018

Yoksis Researcher ID: 28492

Education Information

Doctorate, Istanbul University, Institute Of Graduate Studies In Sciences, Mühendislik Fakültesi Bölümü, Turkey 1985 - 1992

Postgraduate, Istanbul University, Institute Of Graduate Studies In Sciences, Mühendislik Fakültesi Bölümü, Turkey 1983 - 1985

Undergraduate, İstanbul University-Cerrahpaşa, Faculty Of Engineering, Department Of Geological Engineering, Turkey 1979 - 1983

Foreign Languages

English, B1 Intermediate

Dissertations

Doctorate, Engineering geology and geotechnical properties of grounds at the route of Thrace motorway , Istanbul University, Devletler Umumi Hukuku, Mühendislik Fakültesi Bölümü, 1992

Postgraduate, Engineering geology and grouting applications of Atatürk Dam, Istanbul University, Devletler Umumi Hukuku, Mühendislik Fakültesi Bölümü, 1985

Research Areas

Geological Engineering, Geology, Applied Geology, Hydrogeology and Hidrology, Urban Geology, Engineering Geology foundations, earthquakes, dams, reservoirs, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Kocaeli University, Mühendislik Fakültesi, Jeoloji Mühendisliği, 2022 - Continues

Assistant Professor, Kocaeli University, Mühendislik Fakültesi, Jeoloji Mühendisliği, 2018 - 2022
Assistant Professor, Kocaeli University, Mühendislik Fakültesi, Jeoloji Mühendisliği, 1993 - 2018
Research Assistant, Istanbul University, Jeoloji Mühendisliği Bölümü, 1984 - 1993

Academic and Administrative Experience

Kocaeli Üniversitesi, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, 1997 - 2009
Kocaeli Üniversitesi, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, 1997 - 2000

Courses

SOIL MECHANICS, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011
ADVANCED ROCK MECHANICS, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017
ENGINEERING GEOLOGY, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011
ADVANCED ROCK MECHANICS, Doctorate, 2023 - 2024, 2021 - 2022, 2019 - 2020, 2018 - 2019
ADVANCED ENGINEERING GEOLOGY, Postgraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016
ROCK MECHANICS, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011
RRock Mechanics in Excavation and Blasting, Postgraduate, 2022 - 2023
ADVANCED ENGINEERING GEOLOGY, Doctorate, 2020 - 2021, 2019 - 2020, 2018 - 2019
TUNNEL GEOLOGY, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

Advising Theses

Coruk Ö., Landslide Susceptibility Analysis of Yalova-Çınarcık Region with Logistic Regression, Frequency Ratio, and Suitability Model, Postgraduate, Z.TAŞ(Student), 2023
Coruk Ö., Investigation of Aggregate Properties Affecting the Quality of Shotcrete Used in Tunnels, Postgraduate, E.Güngören(Student), 2021
Coruk Ö., Soil Stabilization With Cement And Novocrete At Modernization Project Of Samsun-Kalın (Sivas) Railway, Postgraduate, B.YEMENİCİ(Student), 2019
Coruk Ö., Engineering Geological Properties Of Darıca-Bayramoğlu Wastewater Tunnel And Their Effects On Selection Of Tunnel Boring Machine (TBM) , Postgraduate, A.ALTUNTAŞ(Student), 2018
Coruk Ö., Engineering geology and geotechnical properties of soils on Azerbaijan Atbulaq-Sabirabad highway route, Postgraduate, S.BOZ(Student), 2013
Coruk Ö., Engineering geology of Bursaray B Stage route, Postgraduate, M.GÖNÜL(Student), 2009
Coruk Ö., Engineering Geology of the Coastal and Shallow Marine Deposits at the North of Izmit Bay, Postgraduate, Ş.Emel(Student), 2008
Coruk Ö., Engineering geology of Istanbul Tuzla Bay shallow sea and coastal sediments, Postgraduate, B.ŞİMŞEK(Student), 2008
Coruk Ö., Hydrogeology of the Izmit basin, Postgraduate, H.DUMAN(Student), 2006
Coruk Ö., Engineering geology investigation of Derince settlement area, Postgraduate, B.YAZICIOĞLU(Student), 2006
Coruk Ö., Evaluation of engineering geology characteristics of Kocaeli Körfez settlement area with Geographical Information Systems (GIS), Postgraduate, Ç.KAYABAŞLI(Student), 2005

Coruk Ö., The behavior of young sediments of the Izmit basin during an earthquake, Doctorate, A.KARAKAŞ(Student), 2005

Coruk Ö., East Bursa Plain hydrogeological modeling and problems, Doctorate, E.MERT(Student), 2003

Coruk Ö., The effect of soil properties on the structural damage caused by the 17 August 1999 earthquake in Gölcük-Değirmendere region, Postgraduate, U.MURAT(Student), 2002

Coruk Ö., Engineering geology features affecting the settlement planning of the İstanbul Yenidoğan Distric, Postgraduate, E.SANĞU(Student), 2001

Coruk Ö., Engineering Geology Investigation of the Area Between Büyükçekmece Hadımköy, Postgraduate, R.Osmançelebioğlu(Student), 2001

Coruk Ö., Engineering geology investigation of Yalova-Orhangazi Motorway route , Postgraduate, C.ÖZER(Student), 2000

Coruk Ö., The effect of the engineering geology and geotechnical characteristics of the Bolu Tunnel on the support system, Postgraduate, C.HÜSEYİN(Student), 1999

Coruk Ö., Engineering geology and grouting applications of Çanakkale Umurbey dam, Postgraduate, G.YENİTÜRK(Student), 1999

Jury Memberships

Post Graduate, Post Graduate, İstanbul Üniversitesi-Cerrahpaşa, December, 2023

Post Graduate, Post Graduate, Kocaeli Üniversitesi, December, 2022

Post Graduate, Post Graduate, Kocaeli Üniversitesi, June, 2022

Post Graduate, Post Graduate, Kocaeli Üniversitesi, June, 2022

Post Graduate, Post Graduate, Kocaeli Üniversitesi, January, 2022

Post Graduate, Post Graduate, Kocaeli Üniversitesi, October, 2021

Post Graduate, Post Graduate, İstanbul Üniversitesi-Cerrahpaşa, February, 2021

Doctorate, Doctorate, İstanbul Üniversitesi-Cerrahpaşa, December, 2020

Post Graduate, Post Graduate, Kocaeli Üniversitesi, December, 2020

Doctorate, Doctorate, İstanbul Üniversitesi-Cerrahpaşa, November, 2020

Post Graduate, Post Graduate, Kocaeli Üniversitesi, October, 2019

Post Graduate, Post Graduate, Kocaeli Üniversitesi, October, 2019

Post Graduate, Post Graduate, Kocaeli Üniversitesi, July, 2018

Post Graduate, Post Graduate, Kocaeli Üniversitesi, July, 2017

Post Graduate, Post Graduate, Kocaeli Üniversitesi, November, 2010

Post Graduate, Post Graduate, İstanbul Üniversitesi-Cerrahpaşa, October, 2008

Post Graduate, Post Graduate, Kocaeli Üniversitesi, August, 2007

Post Graduate, Post Graduate, Kocaeli Üniversitesi, August, 2007

Doctorate, Doctorate, Kocaeli Üniversitesi, July, 2007

Doctorate, Doctorate, Kocaeli Üniversitesi, June, 2006

Taught Courses And Trainings

Coruk Ö., Şenol S., Çivril K., SOIL STABILIZATION METHODS AND CONTROL TESTS, 2019 - 2019

Coruk Ö., Şenol S., Çivril K., SOIL STABILIZATION METHODS and CONTROL TESTS, 2019 - 2019

Coruk Ö., Dalgiç S., Mahmutoğlu Y., JEOTEKNİK EĞİTİM, 2017 - 2017

Coruk Ö., GEOTECHNICAL COURSE, 2016 - 2016

Coruk Ö., Karakaş A., Atmaca S., GEOLOGICAL AND GEOTECHNICAL SURVEY COURSE ON THE SETTLEMENT PLANNING, 2013 - 2013

Coruk Ö., Mass Movements-Landslide, 2006 - 2006

Coruk Ö., Karakaş A., Liquefaction, 2006 - 2006

Coruk Ö., What is Soil Investigation and How is Done?, 2005 - 2005

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Geomechanical, durability-hygrothermal and thermal shock properties of Kocaeli Kandira stone used as building stone in historical structures**
KARAKAŞ A., Morali G., CORUK Ö., Bozkurtoğlu E.
ENVIRONMENTAL EARTH SCIENCES, vol.80, no.4, 2021 (SCI-Expanded)
- II. **Investigation of engineering properties for usability of Lefke stone (Osmaneli/Bilecik) as building stone**
Selim H. H., Karakaş A., Coruk Ö.
BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.78, pp.6047-6059, 2019 (SCI-Expanded)
- III. **Engineering geologic assessment of the slope movements and liquefaction failures of the 23 October 2011 Van earthquake (M-w=7.2)**
KARAKAŞ A., CORUK Ö., DOĞAN B.
NATURAL HAZARDS AND EARTH SYSTEM SCIENCES, vol.13, no.4, pp.1113-1126, 2013 (SCI-Expanded)
- IV. **A study of residuals for strong ground motions in Adapazari basin, NW Turkey, by ground motion prediction equations (GMPes)**
Ulutaş E., Coruk Ö., Karakaş A.
STUDIA GEOPHYSICA ET GEODAETICA, vol.55, pp.213-240, 2011 (SCI-Expanded)
- V. **Liquefaction Analysis of Soils in the Western Izmit Basin, Turkey**
Karakas A., Coruk Ö.
ENVIRONMENTAL & ENGINEERING GEOSCIENCE, vol.16, pp.411-430, 2010 (SCI-Expanded)

Articles Published in Other Journals

- I. **Investigation of the Time-Dependent Increase in Bearing Capacity of Driven Piles at Kocaeli Yarımca RO-RO Port**
İnce M., Coruk Ö., Karakaş A., Yüksel O.
Karadeniz Fen Bilimleri Dergisi, vol.14, no.4, pp.1836-1857, 2024 (Peer-Reviewed Journal)
- II. **Landslide Susceptibility Analysis of Yalova-Çınarcık Region with Logistic Regression, Frequency Ratio, and ArcGIS Pro Suitability Model**
Taş Z., Coruk Ö.
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.12, no.1, pp.185-198, 2024 (Peer-Reviewed Journal)
- III. **Problems encountered as a result of the determination of soil and geotechnical design parameters by correlation methods in the construction of the Izmit Bay Crossing Bridge (Osman Gazi Bridge) Hersek foot dry dock construction**
İnce M., Karakaş A., Coruk Ö.
Dicle Üniversitesi Mühendislik Fakültesi Mühendislik Dergisi, vol.13, no.4, pp.723-729, 2022 (Peer-Reviewed Journal)
- IV. **Local Geology Effects on Soil Amplification and Predominant Period in Düzce Basin, NW Turkey**
Ulutaş E., Coruk Ö., Karakaş A.
Kocaeli Journal of Science and Engineering, vol.4, no.2, pp.160-170, 2021 (Peer-Reviewed Journal)
- V. **Causes of Bursa Yıldırım district mollaarap landslide and improvement studies**
CORUK Ö., KAVAK A.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.26, no.8, pp.1408-1412, 2020 (ESCI)
- VI. **Geological and Engineering Properties of Lefke Stone (Osmaneli /Bilecik) used as Natural Building**

Stone in Old Structures

Selim H. H., Karakaş A., Coruk Ö.

DÜMF Mühendislik Dergisi, vol.10, no.3, pp.1019-1032, 2019 (Peer-Reviewed Journal)

- VII. **Railway NovoCrete @ Applications in Ground Stabilization of In Railways**
Coruk Ö., Kavak A., Aydiner A.
Demiryolu Mühendisliği Dergisi , vol.6, no.6, pp.73-78, 2017 (Non Peer-Reviewed Journal)
- VIII. **Engineering Geological Properties of Young Sediments is Anatolian Side of İstanbul and Gebze**
Karakaş A., Coruk Ö., Uysal T.
Uygulamalı Yerbilimleri Dergisi, vol.15, no.2, pp.38-48, 2016 (Peer-Reviewed Journal)
- IX. **Earthquake Reality and Urbanization In terms of geosciences**
Coruk Ö.
Deprem Gerçeği ve Kentleşme, no.1, pp.34-37, 2014 (Non Peer-Reviewed Journal)
- X. **Engineering Geologic Assessment of the Rock Slide Occurred in East of Izmit - Tavsantepe**
Karaağaç S., Karakaş A., Coruk Ö.
Uygulamalı Yerbilimleri Dergisi, vol.12, no.1, pp.1-9, 2013 (Peer-Reviewed Journal)
- XI. **Impact of Mass Movements in the Kocaeli Province Turkey**
KARAKAŞ A., CORUK Ö.
GEOLOGY TODAY, vol.27, no.2, pp.70-73, 2011 (Scopus)
- XII. **Nature and Human Settlements**
Coruk Ö., Kuvel F.
SEKA Kağıtçılık Dergisi, no.65, pp.18-20, 2000 (Non Peer-Reviewed Journal)
- XIII. **Engineering Geology Research in Structure and Settlement Fields**
Öztaş T., Coruk Ö.
Hazır Beton Dergisi, no.34, pp.48-52, 1999 (Peer-Reviewed Journal)
- XIV. **August 17, 1999: Transformation of a Natural Event into a Natural Disaster**
Öztaş T., Coruk Ö.
Hazır Beton Dergisi , no.35, pp.29-31, 1999 (Non Peer-Reviewed Journal)
- XV. **Earthquake; Is It A Natural Disaster? Marmara Earthquake**
Coruk Ö., Kuvel F.
Seka Kağıtçılık Dergisi,, no.63, pp.14-19, 1999 (Non Peer-Reviewed Journal)
- XVI. **Wastewater and Recycling Recommendations in the Paper Industry**
Coruk Ö., Kuvel F.
SEKA Kağıtçılık Dergisi, no.58, pp.16-18, 1997 (Non Peer-Reviewed Journal)
- XVII. **Engineering Geology of Edirne Kınalı Motorway**
Okay E., Coruk Ö.
Mühendislik Jeolojisi Türk Milli Komitesi Bülteni, vol.12, no.12, pp.5-10, 1991 (Peer-Reviewed Journal)
- XVIII. **Engineering Geology in Motorway Projects**
Eroskay O., Coruk Ö.
Mühendislik Jeolojisi Türk Milli Komitesi Bülteni, vol.11, no.11, pp.19-24, 1989 (Peer-Reviewed Journal)
- XIX. **Geotechnical Investigation of the Soils in the South of Yalova Çiftlikköy District**
Okay E., Gürpınar O., Coruk Ö.
Mühendislik Jeolojisi Türk Milli Komitesi Bülteni, vol.9, no.9, pp.7-13, 1987 (Peer-Reviewed Journal)
- XX. **Atatürk Dam Engineering Geology and grouting Applications**
Coruk Ö.
Mühendislik Jeolojisi Türk Milli Komitesi Bülteni, vol.8, no.8, pp.50-51, 1986 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. Usability of Karacaören Basalts as Ballast

Karakaş A., Coruk Ö., Eyigün Y.

MÜHJEO'2024 Ulusal Mühendislik Jeolojisi ve Jeoteknik Sempozyumu, Nevşehir, Turkey, 6 - 08 June 2024, pp.417-424

- II. **Compaction Control with Zone Load Test in Port Reclamation Filling**
İnce M., Karakaş A., Coruk Ö.
MÜHJEO'2024 Ulusal Mühendislik Jeolojisi ve Jeoteknik Sempozyumu, Nevşehir, Turkey, 6 - 08 June 2024, pp.297-304
- III. **Geological-Geotechnical Factors Affecting Settlement Planning in Yalova**
Cangir O. B., Coruk Ö., Karakaş A.
Uluslararası Katılımlı 76. Türkiye Jeoloji Kurultayı, Ankara, Turkey, 15 - 19 April 2024, pp.75-76
- IV. **Impacts of Rock Fall and Topple Risks on Urban Planning: Çoruh Basın Example**
Durmuş E., Coruk Ö., Karakaş A.
Uluslararası Katılımlı 76. Türkiye Jeoloji Kurultayı, Ankara, Turkey, 15 - 19 April 2024, pp.80-81
- V. **Multiple Local Hazards and Multi-Criteria Decision Analysis in Determination of Earthquake Insurance Policies:A Case Study in Kocaeli**
Ulutaş E., Coruk Ö., Yuvay M., Karaboğa A., Gökçelik C., Güzeler E.
HER YÖNÜYLE DEPREM SEMPOZYUMU, Edirne, Turkey, 19 - 20 October 2023, pp.26-27
- VI. **Reinforcement and Replanning Studies in Bursa Yıldırım District Mollaarap Landslide Area**
Coruk Ö., Kavak A., Sönmez M., Selcen Türkyılmaz N.
Uluslararası Katılımlı 73. Türkiye Jeoloji Kurultayı, Ankara, Turkey, 24 - 28 May 2021, vol.1, no.144, pp.522-523
- VII. **Microzonation Studies in Balıkesir Province and Its Counties**
Coruk Ö., Aksoy T., Gürbüz E., Ulu E., Yaman M., Öztürk M.
Uluslararası Katılımlı 73. Türkiye Jeoloji Kurultayı, Ankara, Turkey, 24 - 28 May 2021, vol.1, no.144, pp.507-508
- VIII. **Kocaeli Kandıra Taşının Fiziksel ve Mekanik Özelliklerinin Yapı Taşı Kullanımı Açısından Değerlendirilmesi**
Morah G., KARAKAŞ A., CORUK Ö., BOZKURTOĞLU E.
73. Uluslararası Katılımlı Türkiye Jeoloji Kurultayı, Ankara, Turkey, 24 - 27 May 2021, no.144, pp.297-300
- IX. **Tünellerde Kullanılan Püskürtme Betonların Kalitesini Etkileyen Agregra Özellikleri**
CORUK Ö., GÜNGÖREN E.
III. ULUSLARARASI MÜHENDİSLİK FEN BİLİMLERİ VE MİMARLIK SEMPOZYUMU, Kocaeli, Turkey, 16 April 2020, pp.75
- X. **Causes and Remediation Studies of Mollaarap Landslide in Bursa Yıldırım District**
Coruk Ö., Kavak A., Sönmez M., Varlı G., Selcen Türkyılmaz N.
MÜHJEO'2019: Ulusal Mühendislik Jeolojisi ve Jeoteknik Sempozyumu, Denizli, Turkey, 3 - 05 October 2019, pp.301-308
- XI. **Denizli-Afyonkarahisar Demiryolu Bozkurt-Dinar Arası Hat Yenileme Projesinde Novocrete® Teknolojisi ile Zemin İyileştirme Uygulamaları**
CORUK Ö., KAVAK A., AYDINER A.
MÜHJEO'2019, Ulusal Mühendislik Jeolojisi ve Jeoteknik Sempozyumu, Turkey, 03 October 2019, pp.81-87
- XII. **Usage Area Determination of Carbonate Rocks based on Material Properties around Kocaeli Hereke**
Öztürk M., Karakaş A., Coruk Ö.
MühJeo'2019, Denizli, Turkey, 3 - 05 October 2019, pp.665-671
- XIII. **Killi Zeminlerin Seçilmiş Bazı Kimyasallar ile Rehabilitasyonu**
BİLGİN G., KAVAK A., CORUK Ö.
18. Ulusal Kil Sempozyumu, Kocaeli, Turkey, 25 - 27 September 2019, pp.92-98
- XIV. **Rehabilitation of Clayey Soil with Selected Additives**
Bilgen G., Kavak A., Coruk Ö.
18. ULUSAL KİL SEMPOZYUMU, Kocaeli, Turkey, 25 - 28 September 2019, pp.92-98
- XV. **Microzonation Studies and Obtained Findings in Settlements of Balıkesir Province and Districts**
Coruk Ö., Gürbüz E., Ulu E., Çetin S.
Balıkesir'in Afet Durumu ve Yönetimi Çalıştayı, Balıkesir, Turkey, 28 February - 01 March 2019, no.141, pp.93-107
- XVI. **BALIKESİR İLİ VE İLÇELERİ YERLEŞİM ALANLARINDAKİ MİKROBÖLGELEME ÇALIŞMALARI VE ELDE**

EDİLEN BULGULAR

CORUK Ö., GÜRBÜZ E., ULU E., Çetin S.

BALIKESİR'İN AFET DURUMU VE YÖNETİMİ ÇALIŞTAYI, Balıkesir, Turkey, 28 February 2019, pp.93-107

- XVII. **NovoCrete® Technology and Applications in the Improvement of Soils with Cement**
Yemenici B., Coruk Ö.
71. Türkiye Jeoloji Kurultayı , Ankara, Turkey, 23 - 27 April 2018, pp.287-288
- XVIII. **Evaluation Of Geological And Geomechanical Properties Of Osmaneli (Bilecik) Lefke Building Stone**
Karakaş A., Selim H. H., Coruk Ö., Çatalbaş A., Taş Ö. K.
71. Türkiye Jeoloji Kurultayı, Ankara, Turkey, 23 - 27 April 2018, pp.281-282
- XIX. **ÇİMENTO İLE ZEMİNLERİN İYİLEŞTİRİLMESİNDE NOVOCRETE® TEKNOLOJİSİ VE UYGULAMALARI**
YEMENİCİ B., CORUK Ö.
71.Türkiye Jeoloji Kurultayı, Ankara, Turkey, 23 - 26 April 2018, pp.287-288
- XX. **Selection of Tunnel Boring Machine (TBM) for Darıca-Bayramoğlu Wastewater Tunnel and Contribution of the Engineering Geology Investigations to Project**
Altuntaş A., Coruk Ö.
MÜHJEO'2017: Ulusal Mühendislik Jeolojisi ve Jeoteknik Sempozyumu, Adana, Turkey, 12 September - 14 October 2017, pp.27-34
- XXI. **Darıca-Bayramoğlu Atıksu Tüneli TBM Seçimi ve Mühendislik Jeolojisi ve Araştırmalarının Projeye Olan Katkısı**
ALTUNTAŞ A., CORUK Ö.
MÜHJEO'2017, Ulusal Mühendislik Jeolojisi ve Jeoteknik Sempozyumu, 12 October 2017
- XXII. **NovoCrete ® Technology and Applications in Stabilization of In-Situ Soils**
Yemenici B., Coruk Ö.
MÜHJEO'2017: Ulusal Mühendislik Jeolojisi ve Jeoteknik Sempozyumu, Adana, Turkey, 12 - 14 October 2017, pp.239-244
- XXIII. **A New Binder Mineral for Cement Stabilized Road Pavement Soils**
KAVAK A., CORUK Ö., AYDINER A.
Sixth International Conference On Advances in Civil, Structural and Mechanical Engineering - ACSM 2017, Bangkok, Thailand, 25 - 26 February 2017
- XXIV. **Evaluation of Current and Potential Aggregate Resources for Crushed Rock in the North of Kocaeli Province**
Karakaş A., Coruk Ö.
7.Ulusal Kırmataş Sepozyumu, İstanbul, Turkey, 5 - 06 March 2015, pp.277-283
- XXV. **Aggregate Potential of Eocene Volcanic Rocks Around Yuvacık (Kocaeli)**
Karaağaç S., Karakaş A., Coruk Ö.
3. Uluslararası Mermer Ve Doğaltaşlar Kongresi, İzmir, Turkey, 6 - 08 February 2013, pp.14-15
- XXVI. **Determination of Soil Amplification and Predominant Period in Düzce Basin**
Ulutaş E., Coruk Ö., Karakaş A.
İstanbul International Geophysical Conference and Oil & Gas Exhibition, İstanbul, Turkey, 17 - 19 September 2012, pp.1-4
- XXVII. **Hydrogeology of Izmit Basin**
Coruk Ö., Karakaş A.
Su Tüketimi Arıtma Yeniden Kullanım Sempozyumu, Bursa, Turkey, 2 - 05 June 2008, pp.153-163
- XXVIII. **Groundwater Potential of Kocaeli Region**
Coruk Ö., Karakaş A.
Su Tüketimi Arıtma Yeniden Kullanım Sempozyumu, Bursa, Turkey, 2 - 05 June 2008, pp.163
- XXIX. **Geology and Engineering Geology of Izmit and its Near Area**
Coruk Ö., Karakaş A.
TMMOB Kocaeli Kent Sempozyumu, Kocaeli, Turkey, 6 - 08 December 2007, pp.174-185
- XXX. **Liquefaction Potential of Izmit Basin Young Sediments**
Karakaş A., Coruk Ö.

- TMMOB Kocaeli Kent Sempozyumu, Kocaeli, Turkey, 6 - 08 December 2007, pp.205-213
- XXXI. **Liquefaction Analysis of Young Sediments in Western Part of İzmit Basin**
Karakaş A., Coruk Ö.
International Earthquake Symposium Kocaeli 2007, Kocaeli, Turkey, 22 - 24 October 2007, pp.494-498
- XXXII. **Assessment of Liquefaction Potential of Gölcük Soils with GIS Method**
Koç G., Karakaş A., Coruk Ö.
International Symposium "The Importance of the City Information System in Earthquake Regions Deprem Bölgelerinde CBS'nin Önemi Uluslararası Sempozyum, Kocaeli, Turkey, 6 - 07 September 2007, pp.211-223
- XXXIII. **Izmit Settlement Area Geographic Information Systems Based Seismic Micro-zoning**
Özer M. F., Coruk Ö., Kenar Ö., Aşçı M., Ulutaş E., Güven İ. T., Karakaş A., Çetinoğlu T., Tunç B., Mert E., et al.
Kocaeli 2003 Deprem Sempozyumu, Kocaeli, Turkey, 12 - 14 March 2003, pp.136-137
- XXXIV. **GIS Applications for Transport of Aggregate from the Quarry to the Usage Area**
Karakaş A., Coruk Ö.
2. Ulusal Kırmataş Sempozyumu, İstanbul, Turkey, 7 - 11 June 1999, pp.331-340
- XXXV. **Effects of Geological Factors in the Selection of New Settlements and Applications in Local Government**
Coruk Ö.
Kentleşme ve Jeoloji Sempozyumu, İstanbul, Turkey, 19 - 20 November 1998, pp.7
- XXXVI. **A Cooperation Proposal Between Municipalities and Geological Engineering Discipline**
Öztaş T., Coruk Ö.
Kentleşme ve Jeoloji, İstanbul, Turkey, 19 - 20 November 1998, pp.291-300
- XXXVII. **Causes and Effects of Decreasing Groundwater Level in İzmit Basin and Protection Methods**
Coruk Ö., Özer C., Mert E.
International Symposium on Geology and Environment, İstanbul, Turkey, 1 - 05 September 1997, pp.232-233
- XXXVIII. **Slope Stability in İstanbul Green Clay and Effects to Urbanization**
Coruk Ö.
International Symposium on Geology and Environment GEONV'97, İstanbul, Turkey, 1 - 05 September 1997, pp.88
- XXXIX. **Causes and Effects of Decreasing Groundwater Level in İzmit Basin and Protection Methods**
Coruk Ö., Özer C., Mert E.
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- XL. **Wastewater and Recycling in the Paper Industry**
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- XLI. **Yeraltısuyu Havzalarının Korunması İzmit Havzası Örneği**
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- XLII. **Protection of Groundwater Basins, The Case of Izmit Basin**
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- XLIII. **İstanbul Sazlıdere Dam Grouting Applications**
Süleyman D., Coruk Ö., Hasan A.
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- XLIV. **Stabilization of Slopes in İstanbul Green Clay**
Toğrol E., Eroskay O., Lord A., Coruk Ö.
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- XLV. **Geotechnical Properties of Babaeski Clay on the Thrace Motorway**
Coruk Ö.
TMMOB-JMO Türkiye Jeoloji Kurultayı, Ankara, Turkey, 8 - 12 February 1993, pp.63-67

Other Publications

I. Soil Mechanics Lecture Notes (Introduction to Soil Mechanics)

Coruk Ö., Karakaş A.

Lecture Note, pp.1-78, 2012

II. Rock Mechanics Lecture Notes

Coruk Ö., Karakaş A.

Lecture Note, pp.1-72, 2008

Supported Projects

Coruk Ö., Technopark, Kinematic Analysis of Kartal National Garden Excavation Slopes and Investigation of Slope Stability, 2024 - 2024

Coruk Ö., Özden ., Erkayaoğlu M., Karpuz C., Culture and Tourism Ministry, Erzurum Province Oltu District Historical Oltu Castle Restoration Project, Engineering Geological Features Of The Rock Environment At The Foundation Of Oltu Castle, 2024 - 2024

Coruk Ö., Ulutaş E., Technopark, Creating a Seismic Zoning Map for Insurance Risk Levels of Address-Based Locations, 2023 - 2024

Coruk Ö., Karademir A., Kavak A., Technopark, Research and Development (R&D) Project on Preparation of the Sea Bottom Sludge Storage Area, 2023 - 2023

Coruk Ö., Technopark, NEXT LEVEL ISTANBUL Research and Development of Technological (such as Excavatability, Drillability) and Engineering Geology Properties of the Soil/Rock Environment of the Project Area, 2023 - 2023

Coruk Ö., Kavak A., Technopark, Stabilization and Improvement of the Engineering Properties of the Soils In Place By an Pozzolanic, Powder, Pure Binder, 2023 - 2023

Coruk Ö., Kavak A., Technopark, Researching of the Causes and Improvement Methods of Landslides in Çınarcık Poyraz and Hasanbaba Region, 2021 - 2021

Coruk Ö., Company, Trabzon İli, Ortahisar İlçesi, Kaymaklı Mahallesi ve 2 Nolu Erdoğan Mahallesindeki Riskli Alanlardaki 10.5 Hektarlık Alana Ait İmar Planına Esas Mikrobölgeleme Etüt Raporu Kapsamında Kaymaklı Mahallesi (Alan 1) Sahasının Kinematik Analizi, 2020 - 2020

Coruk Ö., Kavak A., Technopark, SAFI Derince International Port Project Investigation of Geotechnical Properties of Port Embankment Layers, Embankment Slope Stability and Improvement of Soil Layers in Embankment, 2019 - 2019

Coruk Ö., Kavak A., Technopark, Bursa Yıldırım Municipality, Mollaarap District, Research and Development Project on the investigation of the improvement methods of the landslide that occurred on the excavation slope, the improvement project, development, inspection, control and consultancy, 2018 - 2019

Selim H. H., Coruk Ö., Karakaş A., Project Supported by Higher Education Institutions, Investigation of the Engineering Properties of Lefke Stone (Osmaneli / BİLECİK) and Its Usability as a Building Stone, 2017 - 2019

Coruk Ö., Kavak A., Technopark, Yalova Gemi İhtisas Organized Industrial Zone (GİOSB) Infrastructure-Ground Works, Excavation Slopes and Earth Fill Manufacturing Works Research and Development Project, 2017 - 2018

Coruk Ö., Kavak A., Ministry of Transport, Stabilization and Improvement of the Engineering Properties of the Soils In Place By an Pozzolanic, Powder, Pure Binder, 2016 - 2018

Coruk Ö., Kavak A., Technopark, Anadolu Motor (ANTOR) Çayırova District, Şekerpınar Production and Storage Facility Area, Investigation of Damages and Deformations in the Earth Wall at the Southwest Border, Identification of Causes and Solution Suggestions and Identification of Improvement Methods, 2017 - 2017

Coruk Ö., Karakaş A., Company, Kinematic Analysis Report of Rock Slopes Between Km:15+640 and Km:15+900, within the Scope of Gebze-Orhangazi-İzmir Motorway, Gebze-Orhangazi Section Construction Between Km:8+411-19+213, 2012 - 2012

Karakaş A., Coruk Ö., Project Supported by Higher Education Institutions, Determination of Aggregate Potential and Quality of Carbonate Rocks in Northern Kocaeli, 2009 - 2012

Coruk Ö., Karakaş A., Mert E., Project Supported by Higher Education Institutions, Groundwater Potential and Quality of İzmit Basin, 2002 - 2003

Özer M. F., Coruk Ö., Karakaş A., TUBITAK Project, Geographical Information Systems (GIS) Based Seismic Microzonation of Izmit and its Vicinity, 2000 - 2001

Coruk Ö., Project Supported by Higher Education Institutions, Preparation of Engineering Geology Maps of Izmit and its vicinity by Geographical Information System, 1999 - 2000

Contractual Researches

Ergül H. A., Özen F., Coruk Ö., AUTOPORT LİMAN İŞLETMELERİ A.Ş., Ecosystem Assessment within the scope of capacity building projects of Autoport Liman İşletmeleri A.Ş., 2024 - 2024

Excavation And Surface Survey

Gürer Ö. F., Coruk Ö., Sanğu E., Archaeological Excavation, Sakarya İli, Hendek İlçesi, Karadere Mahallesi 142/9 Ve 142/16 Nolu Parsellerine Ait Paleosismolojik Amaçlı Hendek (Trench) Çalışmaları ve Raporlama, 2019 - 2019

Gürer Ö. F., Coruk Ö., Ulutaş E., Sanğu E., Surface Survey, Manisa İli, Alaşehir İlçesi, Akkeçili Köyü, Jeotermal İşletme Ruhsatlı Kuyudaki Hasarların Depremlerle İlişkisinin Değerlendirilmesi, 2019 - 2019

Gürer Ö. F., Coruk Ö., Sanğu E., Archaeological Excavation, G24d01d01a-G24d01a04d Ve G24d05c02b Paftalarında Yer Alan 17 Ağustos 1999 Depreminin Oluşturduğu Yüzey Faylanması ve Tampon Bölgenin Devamlılığının Paftalar Arasındaki Uyuşmazlığının Giderilmesine Yönelik Paleosismolojik Amaçlı Hendek (Trench) Çalışmaları ve Raporlama, 2019 - 2019

Gürer Ö. F., Coruk Ö., Sanğu E., Archaeological Excavation, Yeşilyurt-Kurugöl ve Susuz-Karkın Arasında Yer Alan Olası Kuvaterner Faylarının/Çizgiselliklerinin Mucur İlçe Sınırları İçerisinde Kalan Kısımlarına Yönelik Paleosismolojik Amaçlı Hendek (Trench) Çalışmaları ve Raporlama, 2019 - 2019

Gürer Ö. F., Coruk Ö., Sanğu E., Surface Survey, Bursa İli, Yıldırım İlçesi, Mollaarap Mahallesi, 559 Ada 10 Ve 11 Numaralı Parsellere Ait Alan Ve Yakın Dolayındaki Fayların Araştırılması Ve Aktivitesinin Değerlendirilmesi, 2018 - 2018

Gürer Ö. F., Coruk Ö., Sanğu E., Archaeological Excavation, Düzce İli, Çilimli İlçesi, Çilimli Belediyesi İlave+Revize İmar Planına Esas Jeolojik ve Jeoteknik Etüt Yapımı İşi Projesi Kapsamında, Paleosismolojik Amaçlı Arazi ve Hendek (Trench) Çalışmaları ve Raporlama, 2017 - 2017

Gürer Ö. F., Coruk Ö., Sanğu E., Archaeological Excavation, Yalova İli, Çımarcık İlçesi, Teşvikiye Belde Belediyesi Sınırlarında Kalan 1/1000 Ölçekli G22D12A1C, G22D12A2C, G22D12A3B, G22D12A4B, G22D12B1D, G22D12B4A, G22D12A3A, G22D12A2D Paftalarına Ait İlave+Revize İmar Planına Esas Jeolojik ve Jeoteknik Etüt Yapımı İşi Projesi Kapsamında, Paleosismolojik Amaçlı Arazi ve Hendek (Trench) Çalışmaları ve Raporlama, 2017 - 2017

Gürer Ö. F., Coruk Ö., Sanğu E., Surface Survey, Yalova İli, Merkez İlçesi, Soğucak Köyü, 1/1000 Ölçekli G22.C16a2a-G22.C16A2b- G22.C16.A2c- G22.C16.A2d Nolu Paftalarındaki Alanın İmar Planına Esas Jeolojik-Jeoteknik Etüdü Kapsamında Proje Alanı Yakın Dolayındaki Fayların Araştırılması Ve Aktivitesinin Değerlendirilmesi, 2017 - 2017

Gürer Ö. F., Coruk Ö., Sanğu E., Surface Survey, Paleoseismological Field Studies and Reporting within the Scope of 1 / 5.000-1 / 1.000 Scale Geological and Geotechnical Survey Project Based on 1 / 5.000-1 / 1.000 Scaled Protection Zoning Plan in Izmir Province Karaburun District Kuyucak, İskele, Center and Saip Areas, 2016 - 2016

Gürer Ö. F., Coruk Ö., Sanğu E., Archaeological Excavation, Paleosismological Field and Trench Studies and Reporting within the Kocaeli Province Gölcük County 1 / 1.000 Scale G23c01c1c-G23c01c1d Sheets 64 Block 6-7-8 Parcels, 175 Block 2 Parcel and 191 Block 12 Parcel Revise Development Plan Based on Geological and Geotechnical Investigation project , 2015 - 2015

Gürer Ö. F., Coruk Ö., Sanğu E., Archaeological Excavation, Geological and Geotechnical Investigation Project, Geology, Engineering Geology, for Paleoseismological Purposes Trench Studies and Reporting, Based on 1/5000 and 1/1000 Scale Development Plan in Tekirdağ Province, Şarköy County Gaziköy District, 2015 - 2015

Gürer Ö. F., Coruk Ö., Sanğu E., Archaeological Excavation, Geological and Geotechnical Investigation Project, Geology, Engineering Geology, for Paleoseismological Purposes Trench Studies and Reporting Based on the Construction Plan of the Tekirdağ Metropolitan Municipality Sarköy County, Mursallı, Yörgüç, Sofuköy, Güzelköy, Gölcük and Yayaköy Districts., 2015 - 2015

Memberships / Tasks in Scientific Organizations

Mühendislik Jeolojisi Derneği, Member, 2013 - Continues, Turkey

Scientific Refereeing

DSİ TEKNİK BÜLTENİ, National Scientific Refreed Journal, January 2019

TÜRKİYE JEOLOJİ BÜLTENİ, National Scientific Refreed Journal, August 1998

Scientific Consultations

Erzincan Binali Yıldırım University Earthquake Technologies Institute, Scientific Consultancy, Kocaeli University, Mühendislik Fakültesi, Jeoloji Mühendisliği, Turkey, 2023 - Continues

Balıkesir Province, Bandırma, Erdek, Marmara, Gönen, Manyas, Susurluk, Sındırgı, Kepsut, Bigadiç Counties 19292,25 Hectare Area Microzonation Investigation Project Based on the Development Plan, Analiz Company Balıkesir Metropolitan Municipality, Scientific Consultancy, Kocaeli University, Mühendislik Fakültesi, Jeoloji Mühendisliği, Turkey, 2016 - 2017

Balıkesir Province, Ayvalık, Edremit, Gömeç, Burhaniye, Havran, İvrindi, Balya, Savaştepe Counties 14.240,23 Hectare Area Microzonation Investigation Project Based on the Development Plan, Analiz Company- Balıkesir Metropolitan Municipality, Scientific Consultancy, Kocaeli University, Mühendislik Fakültesi, Jeoloji Mühendisliği, Turkey, 2016 - 2016

Anadolu Motor (ANTOR) Production and Marketing Company, Şekerpınar Production-Storage Facility, Support of Excavation Slope Project (Project Consultant). LOGO Management Construction Industry and Trade Limited Company, Scientific Consultancy, Kocaeli University, Mühendislik Fakültesi, Jeoloji Mühendisliği, Turkey, 2014 - 2014

ADEL-FABER Trade and Industry Company, Şekerpınar Production-Storage Facility, Project of Jet-Grouting Application for Soil Improvement (Project Consultant). LOGO Management Construction Industry and Trade Limited Company, Scientific Consultancy, Kocaeli University, Mühendislik Fakültesi, Jeoloji Mühendisliği, Turkey, 2014 - 2014

EURASIA TUNNEL, ISRCP Istanbul Highway Bosphorus Crossing Project, ATAS/YAPI MERKEZİ-DLH, ZEMAR , Scientific Consultancy, Kocaeli University, Mühendislik Fakültesi, Jeoloji Mühendisliği, Turkey, 2012 - 2012

Adapazarı-Istanbul North Crossing High Speed Train Line Study, Project, TCDD, SWS (ITALY)-ZEMAR , Scientific Consultancy, Kocaeli University, Mühendislik Fakültesi, Jeoloji Mühendisliği, Turkey, 2011 - 2012

Ereğli Demir ve Çelik Fabrikaları T.A.Ş. Ground Research Drilling in Various Fields within the Scope of Erdemir Projects and Preparation of Geotechnical Report , Scientific Consultancy, Kocaeli University, Mühendislik Fakültesi, Jeoloji Mühendisliği, Turkey, 2010 - 2010

MARMARAY-CR1 Project, Performance Evaluation of Km: 01 + 392 Söğütlüçeşme Viaduct Performance Evaluation, Scientific Consultancy, Kocaeli University, Mühendislik Fakültesi, Jeoloji Mühendisliği, Turkey, 2009 - 2009

Kocaeli Province Water Resources Inventory Project, Kocaeli Büyükşehir Belediyesi-İSU Genel Müdürlüğü, Scientific Consultancy, Kocaeli University, Mühendislik Fakültesi, Jeoloji Mühendisliği, Turkey, 2007 - 2007

Marmaray CR1 Gebze-Haydarpaşa, Sirkeci-Halkalı Improvement of Suburban Lines Project, AMD/DOĞUŞ İNŞAAT-DLH, CEMRE-ZEMAR Ortak Girişimi, , Scientific Consultancy, Kocaeli University, Mühendislik Fakültesi, Jeoloji Mühendisliği, Turkey, 2007 - 2007

Tasks In Event Organizations

Coruk Ö., Engineering Architecture Education Symposium, Scientific Congress, İstanbul, Turkey, Ekim 1999

Coruk Ö., 2nd National Crushed Stone Symposium, Scientific Congress, İstanbul, Turkey, Haziran 1999

Yüzer E., Coruk Ö., Urbanization and Geology Symposium, Scientific Congress, İstanbul, Turkey, Kasım 1998

Coruk Ö., Water and Environment Symposium, Scientific Congress, İstanbul, Turkey, Haziran 1997

Metrics

Publication: 78

Citation (WoS): 31

Citation (Scopus): 39

H-Index (WoS): 4

H-Index (Scopus): 5

Congress and Symposium Activities

DEPREME DUYARLILIK ETKİNLİĞİ, Moderator, Kocaeli, Turkey, 2023

MERKEZ ÜSSÜ YALOVA, Invited Speaker, Yalova, Turkey, 2023

Disaster Condition and Management Workshop of Balıkesir Province, Invited Speaker, Balıkesir, Turkey, 2019

The Reality of EARTHQUAKE from Yesterday to Tomorrow, UCTEA (Union of Chambers of Turkish Engineers and Architects), Panelists, Kocaeli, Turkey, 2018

Earthquake Sensitivity Activity, UCTEA (Union of Chambers of Turkish Engineers and Architects) , Invited Speaker, Kocaeli, Turkey, 2015

EARTHQUAKE Reality and Urbanization Workshop, Invited Speaker, Kocaeli, Turkey, 2014

Bülent Ecevit University Earth Sciences Research and Application Center Geology Conferences, Invited Speaker, Zonguldak, Turkey, 2013

Water Problems of Kocaeli Province, Panelists, Kocaeli, Turkey, 2009

Invited Talks

Site and Foundation Survey Data and Geotechnical Report Preparation Methods, Conference, Balıkesir Metropolitan Municipality, Turkey, May 2023

Forgotten from the 17 August 1999 Earthquake, Conference, 21st Year of the 1999 Marmara Earthquake Commemoration Activities, UCTEA (Union of Chambers of Turkish Engineers and Architects), Turkey, August 2020

Before and After the Earthquake, Conference, Neighborhood Disaster Volunteers (MAG), Turkey, August 2008

Awards

Coruk Ö., Karakaş A., IAEG (International Associate of Engineering Geology) Turkish National Committee, Erguvanlı Engineering Geology Best Article Award , Uluslararası Mühendislik Jeolojisi Türk Milli Komitesi, International Associate Of Engineering Geology Turkish National Committee, June 2011

Coruk Ö., UCTEA, Chamber of Geological Engineers Serving Award , Tmmob Jeoloji Mühendisleri Odası, Uctea, Chamber Of Geological Engineers, February 1998

Coruk Ö., IAEG (International Associate of Engineering Geology) Turkish National Committee, Best Master's Thesis Award, Uluslararası Mühendislik Jeolojisi Birliği Türk Milli Komitesi, International Associate Of Engineering Geology Turkish National Committee , February 1986

Visual Activities

Coruk Ö., Emergency Bag, TV / Radio Training Program in Corporate Studios, 2015 - 2015