

Prof. TAMER TOPAL

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Middle East Technical University, Faculty of Engineering, Department of Geological Engineering, Turkey 1988 - 1995

Postgraduate, Middle East Technical University, Faculty of Engineering, Department of Geological Engineering, Turkey 1985 - 1987

Undergraduate, Middle East Technical University, Faculty of Engineering, Department of Geological Engineering, Turkey 1979 - 1984

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Education Management and Planning, Engineering Geology, ITC/TU Delft, 1987

Dissertations

Doctorate, Formation and Deterioration of Fairy Chimneys of the Kavak Tuff in Ürgüp-Göreme Area (Nevşehir-Turkey), Middle East Technical University, Faculty of Engineering, Department of Geological Engineering, 1995

Postgraduate, Engineering Geological Investigation Along The İncegez Tunnel Alignment , Middle East Technical University, Faculty of Engineering, Department of Geological Engineering, 1987

Research Areas

Engineering Geology foundations, earthquakes, dams, reservoirs

Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Engineering, Department of Geological Engineering, 2006 - Continues

Associate Professor, Middle East Technical University, Faculty of Engineering, Department of Geological Engineering, 2002 - 2006

Assistant Professor, Middle East Technical University, Faculty of Engineering, Department of Geological Engineering, 1996 - 2002

Lecturer, Middle East Technical University, Faculty of Engineering, Department of Geological Engineering, 1991 - 1996

Research Assistant, Middle East Technical University, Faculty of Engineering, Department of Geological Engineering, 1985 - 1991

Academic and Administrative Experience

Uygulama ve Araştırma Merkezi Yönetim Kurulu Üyesi, Middle East Technical University, 2013 - 2016

Deputy Head of Department, Middle East Technical University, Faculty of Engineering, Department of Geological Engineering, 2002 - 2005

Advising Theses

TOPAL T., Assessment of Slope Stability For A Segment (Km: 89+100 - 89+400) of Bursa - Inegol - Bozuyuk Highway, Postgraduate, M.ÜNLÜSOY(Student), 2021

TOPAL T., Assessment of consolidation settlements in Karacabey soft clays: Estimated and monitored behaviour, Doctorate, G.Çelik(Student), 2020

TOPAL T., Assessment of slope stability for km: 109+590-128+630 segment of Kırıkkale-Yerköy section (section-2) of Ankara-Sivas high speed railway project, Postgraduate, E.Atar(Student), 2019

TOPAL T., Assessment of cut slope stability in western Black Sea Region (Turkey), Postgraduate, M.Özköse(Student), 2019

TOPAL T., Assessment of twin tunnel induced ground deformation by empirical and numerical analyses (Eurasia Tunnel: NATM part, İstanbul, Turkey), Doctorate, E.AĞBAY(Student), 2019

TOPAL T., Assessment of plastic zone thickness and convergences for tunnels excavated in weak to fair quality rocks in Turkey, Doctorate, Ö.SATICI(Student), 2018

TOPAL T., Slope stability assessment of various road cuts with effects of weathering at North West Black Sea Region (Turkey), Postgraduate, T.Ersöz(Student), 2017

TOPAL T., Investigation on deterioration mechanisms on the basalts used in the Diyarbakır city walls, Doctorate, F.Dursun(Student), 2017

TOPAL T., Investigation of rockfall around Ankara Citadel, Postgraduate, N.El(Student), 2017

TOPAL T., Investigation on deterioration mechanisms of the basalts used in the Diyarbakır city walls, Doctorate, F.DURSUN(Student), 2017

TOPAL T., Slope stability assessment of various road cuts with effects of weathering at North East Black Sea region (Turkey), Postgraduate, T.ERSÖZ(Student), 2017

TOPAL T., Determination of tunnel support systems of Belkahve (İzmir) Tunnel with empirical and numerical methods, Postgraduate, C.MURAT(Student), 2016

TOPAL T., Durability assessment of Central Anatolian (Kayseri- Aksaray) tuffs to be used as building stone, Doctorate, B.DENİZ(Student), 2016

TOPAL T., Durability assessment of Central Anatolian (Kayseri- aksaray) tuffs to be used as building stone, Doctorate, B.Ertaş(Student), 2016

TOPAL T., Assessment of rock slope stability for a coastal area near Kuşadası, Aydın, Türkiye, Postgraduate, Y.KAYA(Student), 2013

TOPAL T., Assessment of rock slope stability for a coastal area near Kuşadası, Aydın, Turkey, Postgraduate, Y.Kaya(Student), 2013

TOPAL T., Archaeometric investigations of stone deterioration in Kalecik (Ankara) Castle, Postgraduate, A.OSMAN(Student), 2012

TOPAL T., An investigation of landslide at km: 12+200 of Artvin-Şavsat junction-Meydancık provincial road, Postgraduate, E.TOPSAKAL(Student), 2012

TOPAL T., Investigation of tuff quarries around The Temple of Apollon Smintheus (Çanakkale, Turkey), Postgraduate, D.ERGENÇ(Student), 2011

TOPAL T., Verification of empirically determined support systems of The Kiliçlar Highway Tunnel by numerical modelling, Postgraduate, G.ÇELİK(Student), 2011

TOPAL T., Assessment of slope stability for a segment (Km: 25+600-26+000) of Antalya-Korkuteli highway, Postgraduate, H.ASLI(Student), 2010

TOPAL T., Seismic microzonation of Erbaa (Tokat-Turkey) located along eastern segment of The North Anatolian Fault Zone (nafz), Doctorate, M.Akn(Student), 2010

TOPAL T., Investigation of Koyulhisar (Sivas) settlement area in terms of slope instability, Postgraduate, O.HATİBOĞLU(Student), 2009

TOPAL T., GIS-based microzonation map of Niksar (Tokat) settlement area for the purpose of urban planning, Postgraduate, G.EROL(Student), 2009

TOPAL T., Seismic microzonation of Erbaa (Tokat-Turkey) located along eastern segment of the North Anatolian fault zone (NAFZ), Doctorate, M.AKIN(Student), 2009

TOPAL T., Gis-based microzontion of Niksar (Tokat) settlement area for the purpose of the urban planning, Postgraduate, G.Erol(Student), 2009

SÜZEN M. L., TOPAL T., GIS-based landslide susceptibility mapping in Devrek (Zonguldak Turkey), Postgraduate, Ç.YILMAZ(Student), 2007

TOPAL T., Assessment of durability criteria of the armourstones used in Mersin and Kumkuyu harbours based on their site and laboratory performances, Postgraduate, B.ERTAŞ(Student), 2006

TOPAL T., Quality assessment of the armourstones for some Black Sea rubble mound breakwaters, Postgraduate, U.AHMET(Student), 2006

TOPAL T., Assessment of durability criteria of the armourstones used in Mersin and Kumkuyu harbors based on their site and laboratory performances, Postgraduate, B.Ertaş(Student), 2006

TOPAL T., Assessment of degradation mechanism and stability of a cut slope in jointed and sheared limestone along Ankara-Eskişehir E90 highway, Postgraduate, B.ÖZTEKİN(Student), 2004

TOPAL T., Assessment of degradation mechanism and stability of a cut slope in jointed and sheared limestone along Ankara-Eskişehir E90 highway, Postgraduate, B.Öztekin(Student), 2004

TOPAL T., Assessment of excavatability and slope stability for Çiftehan-Pozantı segment of the Ankara-Pozantı motorway., Postgraduate, B.Kentli(Student), 2002

TOPAL T., Assessment of slope stability in Ankara clay: A case study along Ankara-Eskişehir E-90 highway, Postgraduate, M.BORA(Student), 2002

TOPAL T., Quality assessment of the potential armourstones for the Helaldi rubble mound breakwater (Sinop- Turkey), Postgraduate, Ö.Acır(Student), 2002

TOPAL T., GIS based landslide susceptibility mapping for the segment (km 60-km 83) of natural gas pipeline, North of Hendek, Postgraduate, E.ÇEVİK(Student), 2002

TOPAL T., Quality assessment of the potential armourstones for the Helaldi rouble mound breakwater (Sinop-Turkey), Postgraduate, Ö.ACIR(Student), 2002

TOPAL T., AKIN S., Assessment of slope stability in Ankara clay: A case study along Ankara-Eskişehir e90 highway., Postgraduate, M.Bora(Student), 2002

TOPAL T., GIS based landslide susceptibility mapping for the segment (KM 60- KM 83) of NG pipeline, North of Hendek., Postgraduate, E.Çevik(Student), 2002

TOPAL T., Assessment of excavatability and slope stability for Çiftehan-Pozantı segment of the Ankara-Pozantı Motorway, Postgraduate, B.KENTLİ(Student), 2002

TOPAL T., Investigation of deterioration mechanisms of Yazılıkaya tuffs in Midas monument (Eskişehir-Turkey), Postgraduate, B.Sözmen(Student), 2000

TOPAL T., Investigation of deterioration mechenisms of Yazılıkaya tuffs in Midas monument (Eskişehir-Turkey),

Jury Memberships

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Hakkari Üniversitesi, April, 2019
Associate Professor Exam, Associate Professor Exam, Middle East Technical University, March, 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Classification and modification of slake durability test for different types of rocks**
Ersöz T., TOPAL T.
Bulletin of Engineering Geology and the Environment, vol.83, no.4, 2024 (SCI-Expanded)
- II. **Assessment of geoenvironmental problems at Hasankeyf Antique City (Türkiye)**
TOPAL T., Kaya Y.
International Journal of Environmental Science and Technology, 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. **Durability assessment of some Cappadocian tuffs using factor analysis, multiple regression analysis, and analytical hierarchy process**
Deniz B. E., Topal T.
BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.81, no.1, 2022 (SCI-Expanded)
- V. **Effect of disturbed zone thickness on rock slope stability**
ERSÖZ T., Ozkose M., TOPAL T.
NATURAL HAZARDS, vol.108, no.2, pp.1919-1942, 2021 (SCI-Expanded)
- VI. **A new durability assessment method of the tuffs used in some historical buildings of Cappadocia (Turkey)**
Deniz B. E., Topal T.
ENVIRONMENTAL EARTH SCIENCES, vol.80, no.7, 2021 (SCI-Expanded)
- VII. **Assessment of the effectiveness of a rockfall ditch through 3-D probabilistic rockfall simulations and automated image processing**
AKIN M., DİNÇER İ., OK A. Ö., ORHAN A., AKIN M., TOPAL T.
ENGINEERING GEOLOGY, vol.283, 2021 (SCI-Expanded)
- VIII. **Assessment of damage zone thickness and wall convergence for tunnels excavated in strain-softening rock masses**
Satici O., TOPAL T.
TUNNELLING AND UNDERGROUND SPACE TECHNOLOGY, vol.108, 2021 (SCI-Expanded)
- IX. **Evaluation of twin tunnel-induced surface ground deformation by empirical and numerical analyses (NATM part of Eurasia tunnel, Turkey)**
Agbay E., TOPAL T.
COMPUTERS AND GEOTECHNICS, vol.119, 2020 (SCI-Expanded)
- X. **Durability assessment of the basalts used in the Diyarbakr City Walls, Turkey**
Dursun F., TOPAL T.
ENVIRONMENTAL EARTH SCIENCES, vol.78, no.15, 2019 (SCI-Expanded)
- XI. **Assessment of rock slope stability with the effects of weathering and excavation by comparing deterministic methods and slope stability probability classification (SSPC)**
ERSÖZ T., TOPAL T.
ENVIRONMENTAL EARTH SCIENCES, vol.77, no.14, 2018 (SCI-Expanded)
- XII. **Evaluation of the physico-mechanical parameters affecting the deterioration rate of Ahlat**

ignimbrites (Bitlis, Turkey)

AKIN M., Özvan A., Dincer I., TOPAL T.

ENVIRONMENTAL EARTH SCIENCES, vol.76, no.24, 2017 (SCI-Expanded)

- XIII. **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)
- XIV. **Effects of different drying temperatures on the physical and mechanical properties of some marbles (Mugla, Turkey) during salt crystallization tests**
YAVUZ A. B., TOPAL T.
ENVIRONMENTAL EARTH SCIENCES, vol.75, no.11, 2016 (SCI-Expanded)
- XV. **Assessment of deterioration and collapse mechanisms of dolomitic limestone at Hasankeyf Antique City before and after reservoir impounding (Turkey)**
TOPAL T., Kaya Y.
ENVIRONMENTAL EARTH SCIENCES, vol.75, no.2, 2016 (SCI-Expanded)
- XVI. **Evaluation of rock slope stability for a touristic coastal area near Kusadasi, Aydin (Turkey)**
Kaya Y., TOPAL T.
ENVIRONMENTAL EARTH SCIENCES, vol.74, no.5, pp.4187-4199, 2015 (SCI-Expanded)
- XVII. **Assessment of slope stability and monitoring of a landslide in the Koyulhisar settlement area (Sivas, Turkey)**
TOPAL T., Hatipoglu O.
ENVIRONMENTAL EARTH SCIENCES, vol.74, no.5, pp.4507-4522, 2015 (SCI-Expanded)
- XVIII. **Slope stability assessment of a re-activated landslide on the Artvin-Savsat junction of a provincial road in Meydancik, Turkey**
Topsakal E., TOPAL T.
ARABIAN JOURNAL OF GEOSCIENCES, vol.8, no.3, pp.1769-1786, 2015 (SCI-Expanded)
- XIX. **Decay of Limestone Statues at Mount Nemrut (Adiyaman, Turkey)**
TOPAL T., Deniz B. E., ŞAHİN GÜÇHAN N.
INTERNATIONAL JOURNAL OF ARCHITECTURAL HERITAGE, vol.9, no.3, pp.244-264, 2015 (SCI-Expanded)
- XX. **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)
- XXI. **GIS-based microzonation of the Niksar settlement area for the purpose of urban planning (Tokat, Turkey)**
Erol G., TOPAL T.
ENVIRONMENTAL EARTH SCIENCES, vol.68, no.7, pp.2065-2084, 2013 (SCI-Expanded)
- XXII. **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. K., TOPAL T., Kramer S. L.
NATURAL HAZARDS, vol.65, no.3, pp.1411-1442, 2013 (SCI-Expanded)
- XXIII. **GIS based microzonation of Niksar settlement area for the purpose of urban planning Tokat Turkey**
EROL G., TOPAL T.
ENVIRONMENTAL EARTH SCIENCES, vol.68, pp.2065-2084, 2013 (SCI-Expanded)
- XXIV. **Seismic Microzonation of Erbaa, Tokat Province, Turkey, Based on Analytical Hierarchical Process**
Akin M. K., TOPAL T., Kramer S. L.
ENVIRONMENTAL & ENGINEERING GEOSCIENCE, vol.18, no.2, pp.191-207, 2012 (SCI-Expanded)
- XXV. **GIS-based landslide susceptibility mapping using bivariate statistical analysis in Devrek (Zonguldak-Turkey)**
YİLMAZ C., Topal T., Suzen M. L.
ENVIRONMENTAL EARTH SCIENCES, vol.65, no.7, pp.2161-2178, 2012 (SCI-Expanded)
- XXVI. **Analytical Hierarchical Process AHP based Seismic Microzonation Map of Erbaa Tokat Turkey**

- AKIN M., TOPAL T., KRAMER S. L.
ENVIRONMENTAL AND ENGINEERING GEOSCIENCE, vol.18, pp.191-207, 2012 (SCI-Expanded)
- XXVII. **Rockfall hazard analysis for a Castle in Kastamonu Turkey**
TOPAL T., AKIN M., AKIN M.
NATURAL HAZARDS, vol.62, pp.255-274, 2012 (SCI-Expanded)
- XXVIII. **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. K., Kramer S. L., TOPAL T.
ENGINEERING GEOLOGY, vol.119, pp.1-17, 2011 (SCI-Expanded)
- XXIX. **Evaluation of andesite source as armourstone for a rubble mound breakwater (Hisaronu, Turkey)**
ÖZDEN A. U., TOPAL T.
ENVIRONMENTAL EARTH SCIENCES, vol.59, no.1, pp.39-49, 2009 (SCI-Expanded)
- XXX. **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)
- XXXI. **Testing of Armourstone for the Purpose of Durability: A Case Study from Two Rubble Mound Breakwaters (Mersin, TURKEY)**
Deniz B. E., TOPAL T.
JOURNAL OF COASTAL RESEARCH, pp.501-504, 2009 (SCI-Expanded)
- XXXII. **Reply to discussion by H. Sonmez on "Effect of weathering on the geomechanical properties of andesite, ankara, turkey" by M. Orhan, N.S. Isik, T. Topal, M. Ozer, environmental geology, 50 (1): 85-100 (2006)**
ORHAN M., IŞIK N. S., TOPAL T., ÖZER M.
ENVIRONMENTAL GEOLOGY, vol.55, no.4, pp.917-919, 2008 (SCI-Expanded)
- XXXIII. **Evaluation of the alkali reactivity of cherts from Turkey**
Bektas F., TOPAL T., GÖNCÜOĞLU M. C., TURANLI L.
CONSTRUCTION AND BUILDING MATERIALS, vol.22, no.6, pp.1183-1190, 2008 (SCI-Expanded)
- XXXIV. **Effects of chert content and type on the alkali silica reaction of mortars**
BEKTAŞ F., TOPAL T., GÖNCÜOĞLU M. C., TURANLI L.
CONSTRUCTION AND BUILDING MATERIALS, vol.22, pp.1183-1190, 2008 (SCI-Expanded)
- XXXV. **Quality and durability assessments of the armourstones for two rubble mound breakwaters (Mersin, Turkey)**
Ertas B., TOPAL T.
ENVIRONMENTAL GEOLOGY, vol.53, no.6, pp.1235-1247, 2008 (SCI-Expanded)
- XXXVI. **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)
- XXXVII. **Thermal and salt crystallization effects on marble deterioration: Examples from Western Anatolia, Turkey**
Yavuz A. B., Topal T.
ENGINEERING GEOLOGY, vol.90, pp.30-40, 2007 (SCI-Expanded)
- XXXVIII. **Quality Assessment of the Armourstones for Some Black Sea Rubble Mound Breakwaters, Turkey**
Ozden U. A., TOPAL T.
JOURNAL OF COASTAL RESEARCH, pp.190-194, 2007 (SCI-Expanded)
- XXXIX. **Discussion of A new approach for application of rock mass classification on rock slope stability assessment by Liu and Chen Engineering Geology 89 129 143 2007**
TOPAL T.
ENGINEERING GEOLOGY, vol.91, pp.99-100, 2007 (SCI-Expanded)
- XL. **Assessment of environmental and engineering geological problems for the possible re-use of an abandoned rock-hewn settlement in Urgup (Cappadocia), Turkey**

- Ulusay R., Gokceoglu C., Topal T., Sonmez H., Tuncay E., Erguler Z. A., Kasmer O.
ENVIRONMENTAL GEOLOGY, vol.50, no.4, pp.473-494, 2006 (SCI-Expanded)
- XLII. **Effect of weathering on the geomechanical properties of andesite, Ankara - Turkey**
Orhan M., Isik N. S., Topal T., Ozer M.
ENVIRONMENTAL GEOLOGY, vol.50, no.1, pp.85-100, 2006 (SCI-Expanded)
- XLIII. **Assessment of degradation and stability of a cut slope in limestone, Ankara-Turkey**
Oztekin B., Topal T., Kolat C.
ENGINEERING GEOLOGY, vol.84, pp.12-30, 2006 (SCI-Expanded)
- XLIII. **Assessment of geoenvironmental and environmental problems for the possible use of abandoned rock hewn settlement area in Ürgüp Cappadocia Turkey**
ULUSAY R., GÖKÇEOĞLU C., TOPAL T., SÖNMEZ H., ERGUN T., ABİDİN ZEYNEL E., ÖZGÜ K.
ENVIRONMENTAL GEOLOGY, vol.50, pp.473-494, 2006 (SCI-Expanded)
- XLIV. **GIS-based detachment susceptibility analyses of a cut slope in limestone, Ankara-Turkey**
Oztekin B., Topal T.
ENVIRONMENTAL GEOLOGY, vol.49, no.1, pp.124-132, 2005 (SCI-Expanded)
- XLV. **Landslide susceptibility mapping: A comparison of logistic regression and neural networks methods in a medium scale study, Hendek region (Turkey)**
Yesilnacar E., TOPAL T.
ENGINEERING GEOLOGY, vol.79, pp.251-266, 2005 (SCI-Expanded)
- XLVI. **Alkali reactivity of mortars containing chert and incorporating moderate-calcium fly ash**
Bektas F., Turanli L., Topal T., Goncuoglu M.
CEMENT AND CONCRETE RESEARCH, vol.34, no.12, pp.2209-2214, 2004 (SCI-Expanded)
- XLVII. **Quality assessment of armourstone for a rubble mound breakwater (Sinop, Turkey)**
Topal T., Acir O.
ENVIRONMENTAL GEOLOGY, vol.46, pp.905-913, 2004 (SCI-Expanded)
- XLVIII. **Evaluation of rock excavatability and slope stability along a segment of motorway, Pozanti, Turkey**
KENTLİ B., TOPAL T.
ENVIRONMENTAL GEOLOGY, vol.46, no.1, pp.83-95, 2004 (SCI-Expanded)
- XLIX. **Assessment of rock slope stability for a segment of the Ankara-Pozanti motorway, Turkey**
KENTLİ B., TOPAL T.
ENGINEERING GEOLOGY, vol.74, pp.73-90, 2004 (SCI-Expanded)
- L. **Assessment of slope stability in Ankara clay: a case study along E90 highway**
Teoman M., Topal T., Isik N.
ENVIRONMENTAL GEOLOGY, vol.45, no.7, pp.963-977, 2004 (SCI-Expanded)
- LI. **Quality assessment of armourstone for a rubble mound breakwater Sinop Turkey**
TOPAL T., ACIR Ö.
ENVIRONMENTAL GEOLOGY, vol.46, pp.905-913, 2004 (SCI-Expanded)
- LII. **GIS-based landslide susceptibility mapping for a problematic segment of the natural gas pipeline, Hendek (Turkey)**
Cevik E., Topal T.
ENVIRONMENTAL GEOLOGY, vol.44, no.8, pp.949-962, 2003 (SCI-Expanded)
- LIII. **Lichenic growth as a factor in the physical deterioration or protection of Cappadocian monuments**
Garcia-Valles M., TOPAL T., Vendrell-Saz M.
ENVIRONMENTAL GEOLOGY, vol.43, no.7, pp.776-781, 2003 (SCI-Expanded)
- LIV. **Deterioration mechanisms of tuffs in Midas monument**
Topal T., Sozmen B.
ENGINEERING GEOLOGY, vol.68, pp.201-223, 2003 (SCI-Expanded)
- LV. **Hydrogeological and Hydrochemical Investigation for Below sea level BSL Mining of a Raw Material Site in Kocaeli Darıca Turkey**
DOYURAN V., KARAHANOĞLU N., ÇAMUR M. Z., TOPAL T., SÜZEN M. L., YEŞİLNACAR E.
J. of Env. Sci. and Health (A), vol.38, pp.1421-1433, 2003 (SCI-Expanded)

- LVI. **Deterioration mechanisms of tuffs in the Midas monument**
TOPAL T., BURAK S.
ENGINEERING GEOLOGY, vol.68, pp.201-223, 2003 (SCI-Expanded)
- LVII. **Hydrogeological and hydrochemical investigation for below-sea-level quarrying at cement raw material site (Kocaeli-Darica, Turkey)**
Doyuran V., Karahanoglu N., Camur Z., Topal T., Suzen M. L., Yesilnacar E.
JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART A-TOXIC/HAZARDOUS SUBSTANCES & ENVIRONMENTAL ENGINEERING, vol.38, pp.1421-1433, 2003 (SCI-Expanded)
- LVIII. **Microzonation for earthquake hazards: Yenişehir settlement, Bursa, Turkey**
TOPAL T., DOYURAN V., KARAHANOĞLU N., TOPRAK V., SÜZEN M. L., YESİLNACAR E.
Engineering Geology, vol.70, pp.93-108, 2003 (SCI-Expanded)
- LIX. **Quantification of weathering depths in slightly weathered tuffs**
Topal T.
ENVIRONMENTAL GEOLOGY, vol.42, no.6, pp.632-641, 2002 (SCI-Expanded)
- LX. **Analyses of Deterioration of the Capadocian Tuff Turkey**
TOPAL T., DOYURAN V.
ENVIRONMENTAL GEOLOGY, vol.34, pp.5-20, 1998 (SCI-Expanded)
- LXI. **Engineering geological properties and durability assessment of the Cappadocian tuff**
Topal T., Doyuran V.
ENGINEERING GEOLOGY, vol.47, pp.175-187, 1997 (SCI-Expanded)

Articles Published in Other Journals

- I. **Investigation of the Relationships Between Pumice Shape and the PhysicalMechanical Properties of Ignimbrites**
Akin M., Topal T., Dinçer İ., Akın M., Özvan A., Orhan A., Orhan A.
Geosound, vol.55, no.1, pp.80-104, 2022 (Peer-Reviewed Journal)
- II. **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)
- III. **Prediction of tunnel wall convergences for NATM tunnels which are excavated in weak-to-fair-quality rock masses using decision-tree technique and rock mass strength parameters**
Satici O., TOPAL T.
SN APPLIED SCIENCES, vol.2, no.4, 2020 (ESCI)
- IV. **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)
- V. **Weathering and Excavation Effects on the Stability of Various Cut Slopes in Flysch-Like Deposits**
ERSÖZ T., TOPAL T.
GEOTECHNICAL AND GEOLOGICAL ENGINEERING, vol.36, no.6, pp.3707-3729, 2018 (ESCI)
- VI. **Tünel Açma Yöntemlerinin Mühendislik Jeolojisi ve Kaya Sınıflama Sistemleri ile Değerlendirilmesi**
ÖZGÜR S., TOPAL T.
Jeoloji Mühendisliği Dergisi, vol.39, pp.45-57, 2015 (Scopus)
- VII. **23 Ekim 2011 Tabanlı Van depreminin sismik jeomorfolojisi ve Doğu Anadolu daki aktif tektonik yapıyla olan ilişkisi**
ÖZKAYMAK Ç., SÖZBİLİR H., BOZKURT E., DİRİK R. K., TOPAL T., HÜSEYİN A., ÇAĞLAN D.
JEOLOJİ MÜHENDİSLİĞİ DERGİSİ, vol.35, pp.175-199, 2011 (Scopus)
- VIII. **Van depreminde jeolojik özelliklerin yıkımlar üzerindeki etkisi**

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Moment Proje, Scientific Consultancy, Middle East Technical University, Faculty of Engineering, Department of Geological Engineering, Turkey, 2018 - 2018

Eureko Sigorta A.Ş., Scientific Consultancy, Middle East Technical University, Faculty of Engineering, Department of Geological Engineering, Turkey, 2018 - 2018

Prestij Agro Tarım İnşaat A.Ş., Scientific Consultancy, Middle East Technical University, Faculty of Engineering, Department of Geological Engineering, Turkey, 2018 - 2018

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