

Prof. TAMER TOPAL

Personal Information

Email: topal@metu.edu.tr

Web: <https://avesis.metu.edu.tr/topal>

Education Information

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

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

Under Graduate, 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

Post Graduate, 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

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

TOPAL T., Investigation of rockfall around Ankara Citadel, Post Graduate, N.EI(Student), 2017

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

TOPAL T., Determination of tunnel support systems of Belkahve (İzmir) Tunnel with empirical and numerical methods, Post Graduate, 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., Assessment of rock slope stability for a coastal area near Kuşadası, Aydın, Türkiye, Post Graduate, Y.KAYA(Student), 2013

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

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

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

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

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

TOPAL T., GIS-based microzonation map of Niksar (Tokat) settlement area for the purpose of urban planning, Post Graduate, 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., Investigation of Koyulhisar (Sivas) settlement area in terms of slope instability, Post Graduate, O.HATİBOĞLU(Student), 2009

SÜZEN M. L. , TOPAL T., GIS-based landslide susceptibility mapping in Devrek (Zonguldak-Turkey), Post Graduate, 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, Post Graduate, B.ERTAŞ(Student), 2006

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

TOPAL T., Assessment of degradation mechanism and stability of a cut slope in jointed and sheared limestone along

Anakara-Eskişehir E90 highway, Post Graduate, B.ÖZTEKİN(Student), 2004
TOPAL T., GIS based landslide susceptibility mapping for the segment (km 60-km 83) of natural gas pipeline, North of Hendek, Post Graduate, E.ÇEVİK(Student), 2002
TOPAL T., Quality assessment of the potential armourstones for the Helaldı rouble mound breakwater (Sinop-Turkey), Post Graduate, Ö.ACIR(Student), 2002
TOPAL T., Assessment of excavatability and slope stability for Çiftehan-Pozantı segment of the Ankara-Pozantı Motorway, Post Graduate, B.KENTLİ(Student), 2002
TOPAL T., Assessment of slope stability in Ankara clay: A case study along Ankara-Eskişehir E-90 highway, Post Graduate, M.BORA(Student), 2002
TOPAL T., Investigation of deterioration mechanisms of Yazılıkaya tuffs in Midas monument (Eskişehir-Turkey), Post Graduate, B.SÖZMEN(Student), 2000

Jury Memberships

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

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **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 (Journal Indexed in SCI)
- **Durability assessment of the basalts used in the Diyarbakr City Walls, Turkey**
Dursun F., TOPAL T.
ENVIRONMENTAL EARTH SCIENCES, vol.78, 2019 (Journal Indexed in SCI)
- **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, 2018 (Journal Indexed in SCI)
- **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, 2017 (Journal Indexed in SCI)
- **Dynamic soil characterization and site response estimation for Erbaa, Tokat (Turkey)**
AKIN M., Kramer S. L. , TOPAL T.
NATURAL HAZARDS, vol.82, pp.1833-1868, 2016 (Journal Indexed in SCI)
- **Effects of different drying temperatures on the physical and mechanical properties of some marbles (Muğla, Turkey) during salt crystallization tests**
YAVUZ A. B. , TOPAL T.
ENVIRONMENTAL EARTH SCIENCES, vol.75, 2016 (Journal Indexed in SCI)
- **Effects of different drying temperatures on the physical and mechanical properties of some marbles (Muğla, Turkey) during salt crystallization tests**
YAVUZ A. B. , TOPAL T.
ENVIRONMENTAL EARTH SCIENCES, vol.75, 2016 (Journal Indexed in SCI)
- **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, 2016 (Journal Indexed in SCI)

- **Evaluation of rock slope stability for a touristic coastal area near Kusadasi, Aydin (Turkey)**
Kaya Y., TOPAL T.
ENVIRONMENTAL EARTH SCIENCES, vol.74, pp.4187-4199, 2015 (Journal Indexed in SCI)
- **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, pp.4507-4522, 2015 (Journal Indexed in SCI)
- **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, pp.4507-4522, 2015 (Journal Indexed in SCI)
- **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, pp.1769-1786, 2015 (Journal Indexed in SCI)
- **Decay of Limestone Statues at Mount Nemrut (Adiyaman, Turkey)**
TOPAL T., Deniz B. E. , ŞAHİN GÜÇHAN N.
INTERNATIONAL JOURNAL OF ARCHITECTURAL HERITAGE, vol.9, pp.244-264, 2015 (Journal Indexed in SCI)
- **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, pp.1551-1575, 2013 (Journal Indexed in SCI)
- **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, pp.2065-2084, 2013 (Journal Indexed in SCI)
- **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, pp.1411-1442, 2013 (Journal Indexed in SCI)
- **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 (Journal Indexed in SCI Expanded)
- **Seismic Microzonation of Erbaa, Tokat Province, Turkey, Based on Analytical Hierarchical Process**
Akin M. K. , TOPAL T., Kramer S. L.
- **GIS-based landslide susceptibility mapping using bivariate statistical analysis in Devrek (Zonguldak-Turkey)**
YILMAZ C., Topal T., Suzen M. L.
ENVIRONMENTAL EARTH SCIENCES, vol.65, pp.2161-2178, 2012 (Journal Indexed in SCI)
- **Analytical Hierarchical Process AHP based Seismic Microzonation Map of Erbaa Tokat Turkey**
AKIN M., TOPAL T., KRAMER S. L.
- **Rockfall hazard analysis for a Castle in Kastamonu Turkey**
TOPAL T., AKIN M., AKIN M.
ENVIRONMENTAL AND ENGINEERING GEOSCIENCE, vol.18, pp.191-207, 2012 (Journal Indexed in SCI Expanded)
- **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 (Journal Indexed in SCI)
- **Evaluation of andesite source as armourstone for a rubble mound breakwater (Hisaronu, Turkey)**

Ozden U. A., TOPAL T.

ENVIRONMENTAL EARTH SCIENCES, vol.59, pp.39-49, 2009 (Journal Indexed in SCI)

● **Evaluation of andesite source as armourstone for a rubble mound breakwater (Hisaronu, Turkey)**

ÖZDEN A. U., TOPAL T.

ENVIRONMENTAL EARTH SCIENCES, vol.59, pp.39-49, 2009 (Journal Indexed in SCI)

● **Geotechnical assessment of a landslide along a natural gas pipeline for possible remediations (Karacabey-Turkey)**

TOPAL T., Akin M.

ENVIRONMENTAL GEOLOGY, vol.57, pp.611-620, 2009 (Journal Indexed in SCI)

● **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 (Journal Indexed in SCI)

● **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, pp.917-919, 2008 (Journal Indexed in SCI)

● **Evaluation of the alkali reactivity of cherts from Turkey**

Bektas F., TOPAL T., GÖNCÜOĞLU M. C., TURANLI L.

● CONSTRUCTION AND BUILDING MATERIALS, vol.22, pp.1183-1190, 2008 (Journal Indexed in SCI)

● **Quality and durability assessments of the armourstones for two rubble mound breakwaters (Mersin, Turkey)**

Ertas B., TOPAL T.

● ENVIRONMENTAL GEOLOGY, vol.53, pp.1235-1247, 2008 (Journal Indexed in SCI)

● **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 (Journal Indexed in SCI Expanded)

● **Assessment of rockfall hazard around Afyon Castle, Turkey**

Topal T., Akin K. M., Ozden U. A.

● ENVIRONMENTAL GEOLOGY, vol.53, pp.191-200, 2007 (Journal Indexed in SCI)

● **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 (Journal Indexed in SCI)

● **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 (Journal Indexed in SCI)

● **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 (Journal Indexed in SCI Expanded)

● **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, pp.473-494, 2006 (Journal Indexed in SCI)

● **Effect of weathering on the geomechanical properties of andesite, Ankara - Turkey**

Orhan M., Isik N. S., Topal T., Ozer M.

● ENVIRONMENTAL GEOLOGY, vol.50, pp.85-100, 2006 (Journal Indexed in SCI)

● **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 (Journal Indexed in SCI)
Assessment of geoengineering and environmental problems for the possible use of abandoned rock hewn settlement area in Ürgüp Cappadocia Turkey
ULUSAY R., GÖKÇEÖĞLU C., TOPAL T., SÖNMEZ H., ERGUN T., ABİDİN ZEYNEL E., ÖZGÜ K.
- ENVIRONMENTAL GEOLOGY, vol.50, pp.473-494, 2006 (Journal Indexed in SCI Expanded)
GIS-based detachment susceptibility analyses of a cut slope in limestone, Ankara-Turkey
Oztekin B., Topal T.
- ENVIRONMENTAL GEOLOGY, vol.49, pp.124-132, 2005 (Journal Indexed in SCI)
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 (Journal Indexed in SCI)
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 (Journal Indexed in SCI)
Alkali reactivity of mortars containing chert and incorporating moderate-calcium fly ash
Bektas F., Turanlı L., Topal T., Goncuoglu M.
- CEMENT AND CONCRETE RESEARCH, vol.34, pp.2209-2214, 2004 (Journal Indexed in SCI)
Quality assessment of armourstone for a rubble mound breakwater (Sinop, Turkey)
Topal T., Acir O.
- ENVIRONMENTAL GEOLOGY, vol.46, pp.905-913, 2004 (Journal Indexed in SCI)
Assessment of rock slope stability for a segment of the Ankara-Pozanti motorway, Turkey
Kentli B., Topal T.
- ENGINEERING GEOLOGY, vol.74, pp.73-90, 2004 (Journal Indexed in SCI)
Evaluation of rock excavatability and slope stability along a segment of motorway, Pozanti, Turkey
Kentli B., Topal T.
- ENVIRONMENTAL GEOLOGY, vol.46, pp.83-95, 2004 (Journal Indexed in SCI)
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 (Journal Indexed in SCI)
Evaluation of rock excavatability and slope stability along a segment of motorway, Pozanti, Turkey
KENTLİ B., TOPAL T.
- ENVIRONMENTAL GEOLOGY, vol.46, pp.83-95, 2004 (Journal Indexed in SCI)
Assessment of slope stability in Ankara clay: a case study along E90 highway
Teoman M., Topal T., Isik N.
- ENVIRONMENTAL GEOLOGY, vol.45, pp.963-977, 2004 (Journal Indexed in SCI)
Quality assessment of armourstone for a rubble mound breakwater Sinop Turkey
TOPAL T., ACIR Ö.
- ENVIRONMENTAL GEOLOGY, vol.46, pp.905-913, 2004 (Journal Indexed in SCI Expanded)
GIS-based landslide susceptibility mapping for a problematic segment of the natural gas pipeline, Hendek (Turkey)
Cevik E., Topal T.
- ENVIRONMENTAL GEOLOGY, vol.44, pp.949-962, 2003 (Journal Indexed in SCI)
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, pp.776-781, 2003 (Journal Indexed in SCI)
Deterioration mechanisms of tuffs in Midas monument
Topal T., Sozmen B.
- ENGINEERING GEOLOGY, vol.68, pp.201-223, 2003 (Journal Indexed in SCI)
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, pp.776-781, 2003 (Journal Indexed in SCI)

● **Hydrogeological and Hydrochemical Investigation for Below sea level BSL Mining of a Raw Material Site in Kocaeli Darica 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 (Journal Indexed in SCI Expanded)

● **Deterioration mechanisms of tuffs in the Midas monument**

TOPAL T., BURAK S.

ENGINEERING GEOLOGY, vol.68, pp.201-223, 2003 (Journal Indexed in SCI Expanded)

● **Microzonation for earthquake hazards: Yenişehir settlement, Bursa, Turkey**

TOPAL T., DOYURAN V., KARAHANOĞLU N., TOPRAK V., SÜZEN M. L., YEŞİLNACAR E.

Engineering Geology, vol.70, pp.93-108, 2003 (Journal Indexed in SCI)

● **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 (Journal Indexed in SCI)

● **Quantification of weathering depths in slightly weathered tuffs**

Topal T.

ENVIRONMENTAL GEOLOGY, vol.42, pp.632-641, 2002 (Journal Indexed in SCI)

● **Analyses of Deterioration of the Capadocian Tuff Turkey**

TOPAL T., DOYURAN V.

ENVIRONMENTAL GEOLOGY, vol.34, pp.5-20, 1998 (Journal Indexed in SCI Expanded)

● **Engineering geological properties and durability assessment of the Cappadocian tuff**

Topal T., Doyuran V.

ENGINEERING GEOLOGY, vol.47, pp.175-187, 1997 (Journal Indexed in SCI)

Articles Published in Other Journals

● **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, pp.3831-3851, 2020 (Journal Indexed in ESCI)

● **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, 2020 (Journal Indexed in ESCI)

● **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, pp.3707-3729, 2018 (Journal Indexed in ESCI)

● **Tünel Açma Yöntemlerinin Mühendislik Jeolojisi ve Kaya Sınıflama Sistemleri ile Değerlendirilmesi**

ÖZGÜR S., TOPAL T.

Jeoloji Mühendisliği Dergisi, vol.39, pp.45-57, 2015 (Other Refereed National Journals)

● **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 (Other Refereed National Journals)

● **Van depreminde jeolojik özelliklerin yıkımlar üzerindeki etkisi**

TOPAL T.

JEOLOJİ MÜHENDİSLERİ ODASI HABER BÜLTENİ, vol.3, pp.6-10, 2011 (Other Refereed National Journals)

- **Measures to establish a safe route for new and existing gas pipelines between Turkey and Greece**
TOPAL T., AKIN M.
EXPLORATION AND PRODUCTION:OIL AND GAS REVIEW, vol.7, pp.100-102, 2009 (Refereed Journals of Other Institutions)
- **Güney ilçesi Denizli batısındaki gösel kireçtaşının fiziksel jeokimyasal ve teknolojik özellikleri**
ATABEY E., GÖNCÜOĞLU M. C. , TOPAL T., ALPTEKİN C.
JEOLJİ MÜHENDİSLİĞİ DERGİSİ, vol.30, pp.27-37, 2006 (Other Refereed National Journals)
- **Helaldı Sinop dalgakıranında dolgu malzemesi olarak kullanılacak kayaçların kalitelerinin belirlenmesi**
ACIR Ö., TOPAL T.
MÜHENDİSLİK JEOLJİSİ BÜLTENİ, vol.21, pp.1-17, 2005 (Other Refereed National Journals)
- **Characteristics of the weathering zones developed within the tuffs of the Midas monument**
TOPAL T., SÖZMEN B.
TURKISH JOURNAL OF EARTH SCIENCES, vol.10, pp.83-91, 2001 (Refereed Journals of Other Institutions)
- **Nokta yükleme deneyi ile ilgili uygulamada karşılaşılan problemler**
TOPAL T.
JEOLJİ MÜHENDİSLİĞİ DERGİSİ, vol.23, pp.73-86, 2000 (Other Refereed National Journals)
- **Kapadokya jeoloji turizm ve koruma**
TOPAL T.
MAVİ GEZEGEN, vol.4, pp.50-53, 1999 (Other Refereed National Journals)
- **Effect of discontinuities on the development of fairy chimneys in the Cappadocia region Central Anatolia Turkey**
TOPAL T., DOYURAN V.
Turkish Journal of Earth Sciences, vol.4, pp.49-54, 1995 (Other Refereed National Journals)
- **Engineering geological evaluation of the Of Solaklı Hydropower Development Project NE Turkey**
DOYURAN V., TOPRAK V., TOPAL T., KOÇYİĞİT A., ROJAY F. B. , BOZKURT E.
Bulletin of International Association of Engineering Geology, vol.47, pp.97-107, 1993 (Refereed Journals of Other Institutions)

Books & Book Chapters

- **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
- **Restoration Project for Andron A in Labraunda**
Bilgin Altınöz A. G. , Coutignies S., Erdil B., AKYÜZ U., TOPAL T., AKOĞLU G., DİRİ F., ŞAHİN GÜÇHAN N.
ODTÜ, 2013

Refereed Congress / Symposium Publications in Proceedings

- **Van Gölü Kıyılarında Anroşman Olarak Kullanılan Volkanik Kayaların Duraylılığının 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
- **Van Gölü Kıyılarında Anroşman Olarak Kullanılan Volkanik Kayaların Duraylılığının Ve Performansının Değerlendirilmesi**
ÖZVAN A., AKIN M., AKIN M., TOPAL T.
9. Kıyı Mühendisliği Sempozyumu, Adana, Turkey, 1 - 03 November 2018

- **Van Gölü kıyılarında anroşman olarak kullanılan volkanik kayaların duraylılığının ve performansının değerlendirilmesi**
ÖZVAN A., AKIN M., AKIN M., TOPAL T.
9. Kıyı Mühendisliği Sempozyumu, Adana, Turkey, 1 - 03 November 2018, pp.252-263
- **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
- **Effect of Salt Crystallization on Microfracture Properties of the Basalts Used in Diyarbakir City Walls, Turkey**
DURSUN F., TOPAL T.
XII. International Conference of ASMOSIA (Association for the Study of Marble Other Stones in Antiquity), İzmir, Turkey, 8 - 14 October 2018
- **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 JEOLJİ KURULTAYI, Ankara, Turkey, 23 - 27 April 2018, pp.643-644
- **Sodyum Sülfat Yaşlandırma Deneylerinde Farklı Kuruma Sıcaklıklarının Bazı Muğla Mermerlerine Etkileri (Türkiye)**
YAVUZ A. B. , TOPAL T.
4. Uluslararası Taş Kongresi, İzmir, Turkey, 20 - 25 March 2017, pp.417-433
- **Sodyum Sülfat Yaşlandırma Deneylerinde Farklı Kuruma Sıcaklıklarının Bazı Muğla Mermerlerine Etkileri (Türkiye)**
YAVUZ A. B. , TOPAL T.
4. Uluslararası Taş Kongresi, İzmir, Turkey, 20 - 25 March 2017, pp.417-433
- **Hasakeyf Antik Kentindeki Dolomitik Kireçtaşının Özellikleri ve Alandaki Jeolojik Problemler (Batman, Türkiye)**
TOPAL T., KAYA Y.
4. Uluslararası Taş Kongresi, İzmir, Turkey, 20 - 25 March 2017, pp.391-406
- **Şev duraylılığı ve örnek çalışmalar**
TOPAL T.
DSİ Jeoteknik Semineri, Ankara, Turkey, 13 - 17 November 2017
- **Changes in the Physico-Mechanical Properties of Kayseri Tuffs**
ERTAŞ DENİZ B., TOPAL T.
9th Int. Symposium on the Conservation of Monuments in the Mediterranean Basin, 3 - 05 June 2014, pp.143-152
- **Deterioration Problems of Basalts in Diyarbakir City Walls**
DURSUN F., TOPAL T.
9th Int. Symposium on the Conservation of Monuments in the Mediterranean Basin, 3 - 05 June 2014, pp.97-107
- **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
- **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 2017, pp.281-288
- **Weathering Forms of Basalts on the Diyarbakir City Walls, Turkey**
DURSUN F., TOPAL T.
2nd International Conference on Civil and Environmental Engineering, Nevşehir, Turkey, 8 - 10 May 2017, pp.128
- **Weathering Forms of Basalt on the Diyarbakir City Walls, Turkey**
DURSUN F., TOPAL T.
2nd INTERNATIONAL CONFERENCE ON CIVIL AND ENVIRONMENTAL ENGINEERING, Nevşehir, Turkey, 8 - 10 May 2017, pp.128

● **Elmadağ-Kırıkkale Ayrımı Kalecik Yolu Heyelanının Mühendislik Jeolojisi Açısından İncelenmesi**

TEMUR M. A. , TÜRK E., TÜFENKÇİ O. O. , TOPAL T.

70. Türkiye Jeoloji Kurultayı, 10 - 14 April 2017

● **Jeoteknik sondaj ve loglama sırasında karşılaşılan problemler**

TOPAL T.

3. Sondaj Sempozyumu, Turkey, 7 - 09 December 2016, pp.17-18

● **Freeze thaw resistance of Diyarbakır City Walls**

DURSUN F., TOPAL T.

35th International Geological Congress, 27 August - 04 September 2016

● **Investigation of rock slope stability for an abandoned limestone quarry in Konya Turkey**

Kalpakçı V., Öztürk Ş., Topal T., Huvaj Sarihan N.

Landslides and Engineered Slopes. Experience, Theory and Practice, Naples, Italy, 12 - 19 June 2016

● **Contrast Behavior of Sandstone from Mount Nemrut (Adiyaman-Turkey) After the Accelerated Weathering Tests**

TOPAL T., Deniz B. E.

12th International IAEG Congress, Torino, Italy, 15 - 19 September 2014, pp.45-49

● **Engineering geological investigation of the Demirtaş Settlement Area Bursa Turkey**

DOYURAN v., KARAHANOĞLU N., BOZKURT E., TOPAL T., ROJAY F. B. , ARCASOY A., SÜZEN M. L.

Engineering Geology for Developing Countries - Proceedings of 9th Congress of IAEG, 16 - 20 September 2002, pp.432-438

● **An investigation for Below-Sea-Level Mining in a Coastal Aquifer in Kocaeli-Darıca, Turkey**

Doyuran V., Karahanoğlu N., Çamur M. Z. , Topal T.

International Conference on the Environmental Problems of the Mediterranean Region, Lefkoşa, Cyprus (Kktc), 12 - 15 April 2002, pp.31

● **Geological and Geotechnical Evaluation of the Yenişehir Settlement Area Bursa Turkey**

DOYURAN V., TOPAL T., YAZICIGİL H., KARAHANOĞLU N., TOPRAK v., SÜZEN M. L. , YESİLNACAR e.

Int. Symposium of the IAEG on "Engineering geological problems of urban areas, 30 July - 02 August 2001

● **Geological and geotechnical evaluation of the Karacabey settlement area Bursa Turkey**

DOYURAN V., TOPAL T., GÖNCÜOĞLU C., AKGÜN H., DİRİK R. K. , KARAHANOĞLU N., KANSU E., SÜZEN M. L.

6th International Congress on Earth Sciences, 7 - 11 August 2000

● **Pore-size distribution characteristics and durability of the Cappadocian tuff**

Topal T., De Witte E., Dupas M.

8th International Congress of the International-Association-for-Engineering-Geology-and-the-Environment, Vancouver, Canada, 21 - 25 September 1998, pp.2931-2938

● **Physico-chemical properties of the weathered Yazilikaya tuffs in Midas monument**

Topal T., Sozmen B.

8th International Congress of the International-Association-for-Engineering-Geology-and-the-Environment, Vancouver, Canada, 21 - 25 September 1998, pp.2939-2944

● **EFFECT OF DETERIORATION ON THE CHEMICAL AND PHYSICAL-PROPERTIES OF GOREME TUFFS**

TOPAL T., DOYURAN V.

7th International Congress of the International-Association-of-Engineering-Geology, Lisbon, Portugal, 5 - 09 September 1994, pp.3527-3537

Expert Reports

● **Ermenek Cenne linyit madeni kazası**

ATALAY M. Ü. , KARPUZ C., ÇAMUR M. Z. , TOPAL T., DEMİREL N.

Ankara 7. Ağır Ceza Mahkemesi, pp.24, Ankara, 2017

Supported Projects

- TOPAL T., KARATAŞ C., Project Supported by Higher Education Institutions, SİİRT İLİ BAYKAN İLÇESİ YAKININDAKİ KARAYOLU ŞEVLERİNİN DUYARLILIĞININ DEĞERLENDİRİLMESİ, 2018 - 2019
- TOPAL T., ERSÖZ T., Project Supported by Higher Education Institutions, KİL İÇEREN KAYALARIN DAYANIKLILIK SINIFLAMASININ GELİŞTİRİLMESİ İÇİN SUDA DAĞILMAYA KARŞI DURAYLILIK DENEYİMİN YENİDEN DEĞERLENDİRİLMESİ, 2018 - 2019
- TOPAL T., ECEM YÜKSEL B., Project Supported by Higher Education Institutions, ORDU YAKINLARINDAKİ BİR KARAYOLU ŞEVİNDE HAYALEN DEĞERLENDİRMESİ, 2018 - 2019
- TOPAL T., ERSÖZ T., KAYA Y., Project Supported by Higher Education Institutions, TÜRKİYE'DEKİ KARAYOLU ŞEVLERİNDEKİ KAYAÇLARIN BOZUNMA MEKANİZMASININ BELİRLENMESİ, 2016 - 2019
- TOPAL T., Project Supported by Higher Education Institutions, ZONGULDAK-BOLU KARAYOLU YOL YARMALARINDA ŞEV STABİLİTE ANALİZLERİ, 2017 - 2017
- TOPAL T., Project Supported by Higher Education Institutions, TÜRKİYE'DEKİ KARAYOLU ŞEVLERİNDEKİ KAYAÇLARIN BOZUNMA MEKANİZMALARININ BELİRLENMESİ, 2017 - 2017
- TOPAL T., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2016
- TOPAL T., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2016
- TOPAL T., Project Supported by Higher Education Institutions, DİYARBAKIR KENT SURLARINDA KULLANILAN TAŞLARIN KORUMAYA YÖNELİK BOZUNMA MEKANİZMALARININ İNCELENMESİ, 2014 - 2016
- TOPAL T., SAN N. E. , Project Supported by Higher Education Institutions, Ankara Kalesi Çevresindeki Kaya Düşme Tehlikesinin İncelenmesi, 2015 - 2015
- TOPAL T., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2015
- TOPAL T., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2015
- TOPAL T., Project Supported by Higher Education Institutions, Kayseri Ve Çevresindeki Tüflerin Uzun Dönemdeki Dayanımlarının Belirlenmesi, 2012 - 2014
- TOPAL T., Project Supported by Higher Education Institutions, Erbaa (tokat) Alüvyal Zeminlerine Ait Makaslama Dalgası Hızları (vs) Veri Tabanının Oluşturulması Ve Yerleşim Alanı İçin Zemin Büyütme Değerlerinin Tespiti, 2009 - 2010

Activities in Scientific Journals

- TÜBA Kültür Envanteri Dergisi, Committee Member, 2014 - Continues
- BULLETIN OF THE MINERAL RESEARCH AND EXPLORATION, Committee Member, 2013 - Continues
- Jeoloji Mühendisliği Dergisi, Editor, 2010 - Continues

Scientific Consultations

- Seda İnşaat, Scientific Consultancy, Middle East Technical University, Faculty Of Engineering, Department Of Geological Engineering, Turkey, 2018 - 2018
- Ray Sigorta A.Ş., Scientific Consultancy, Middle East Technical University, Faculty Of Engineering, Department Of Geological Engineering, Turkey, 2018 - 2018
- 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

HERA Restorasyon İnş. Tah. ve Tic. Ltd. Şti., Scientific Consultancy, Middle East Technical University, Faculty Of Engineering, Department Of Geological Engineering, Turkey, 2018 - 2018

NESCO Maden Tic San A.Ş., Scientific Consultancy, Middle East Technical University, Faculty Of Engineering, Department Of Geological Engineering, Turkey, 2018 - 2018

Kilci mühendislik, Scientific Consultancy, Middle East Technical University, Faculty Of Engineering, Department Of Geological Engineering, Turkey, 2018 - 2018

ASCE Gayrimenkul İnşaat, Scientific Consultancy, Middle East Technical University, Faculty Of Engineering, Department Of Geological Engineering, Turkey, 2018 - 2018

Ceysu İnşaat-ICC Group, Scientific Consultancy, Middle East Technical University, Faculty Of Engineering, Department Of Geological Engineering, Turkey, 2018 - 2018

Citations

Total Citations (WOS):1744

h-index (WOS):18

Invited Talks

State Hydraulic Works, Conference, Devlet Su İşleri, Turkey, February 2018