

## Prof. REŞAT ULUSAY

### Personal Information

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### Education Information

Doctorate, Middle East Technical University, Faculty Of Engineering, Jeoloji Mühendisliği, Turkey 1987 - 1991

### Foreign Languages

English, B2 Upper Intermediate

### Research Areas

Geological Engineering, Applied Geology, Engineering Geology foundations, earthquakes, dams, reservoirs, Engineering and Technology

### Academic Titles / Tasks

Professor, Hacettepe University, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, 2000 - Continues

Associate Professor, Hacettepe University, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, 1995 - 2000

### Academic and Administrative Experience

Hacettepe Üniversitesi, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, 2004 - 2010

### Supervised Theses

ULUSAY R., Isıl etkiye maruz kalmış granit ve mermer örneklerinin fiziksel ve mekanik özelliklerindeki değişimin araştırılması, Postgraduate, D.KARAPINAR(Student), 2017

Tuncay E., Ulusay R., TKİ – Milas Hüsamlar Açık Linyit Ocağı'nda şev duraysızlık mekanizmalarının araştırılması ve güvenli şev tasarımı, Postgraduate, K.CEM(Student), 2016

ULUSAY R., Kayseri civarındaki turba zeminlerin jeomekanik karakteristiklerinin ve dinamik davranışlarının arazi, laboratuvar ve sayısal modelleme teknikleriyle araştırılması, Doctorate, N.TUNAR(Student), 2015

ULUSAY R., Isparta Ovası'ndaki volkanik zeminlerin jeo-mühendislik karakterizasyonu ve mekanik davranışının araştırılması, Doctorate, E.AVŞAR(Student), 2013

ULUSAY R., Farklı doyumluk koşullarında kayaların dayanım parametreleri ile P-dalga hızı arasındaki ilişkilerin

araştırılması, Doctorate, H.KARAKUL(Student), 2012

ULUSAY R., Zelve Açık Hava Müzesi'ndeki (Kapadokya) kayadan oyma tarihi yapıların jeomekanik açıdan değerlendirilmesi, Doctorate, Ö.KAŞMER(Student), 2011

ULUSAY R., Sıvılaşmayla ilişkili yanılma yer değiştirmesinin kestirimi, Doctorate, N.HASANÇEBİ(Student), 2011

ULUSAY R., Alipaşa (Çine-Aydın) feldispat açık işletmesinde süreksizlik denetimli şev duraysızlıklarının kinematik, analitik ve sayısal çözümleme teknikleriyle incelenmesi, Postgraduate, H.TANYAŞ(Student), 2011

ULUSAY R., Developing a geotechnical microzonation model for Yenişehir (Bursa) settlement area, Doctorate, Ç.KOLAT(Student), 2010

ULUSAY R., Lahanos (Giresun) bakır-çinko tesisi atık barajının şev duraylılığı açısından değerlendirilmesi, Postgraduate, N.TUNAR(Student), 2009

ULUSAY R., Su içeriğinin kil içeren kayaların mühendislik davranışı üzerindeki etkisinin araştırılması, Doctorate, Z.ABİDDİN(Student), 2007

GÖKÇEĞLU C., ULUSAY R., Barla-Besparmak-Kapı dağlarının kuzey yamaçlarındaki moloz oluşumunu etkileyen faktörlerin ve moloz akma koşullarının araştırılması, Doctorate, M.CELAL(Student), 2007

ULUSAY R., Disk makaslama indeks deneyi ile dayanım anizotropisinin araştırılması, Postgraduate, H.KARAKUL(Student), 2007

ULUSAY R., Akustik emisyon (yayıma) tekniğinin arazi gerilmelerinin belirlenmesinde uygulanabilirliğinin araştırılması, Doctorate, E.TUNCAY(Student), 2006

ULUSAY R., Kocaeli Körfezi güney kıyısında sıvılaşma potansiyelinin ve kapak zemini kalınlığının yüzey deformasyonlarına etkisinin araştırılması, Postgraduate, B.SÖNMEZ(Student), 2006

ULUSAY R., Experimental and numerical assessment of pressuremeter testing, Doctorate, N.SİNAN(Student), 2006

ULUSAY R., Yenişehir (Bursa) ilçesinde zemin büyütmesinin jeoteknik açıdan değerlendirilmesi, Postgraduate, N.OKAN(Student), 2005

ULUSAY R., TKİ-Himmetoğlu linyit açık işletmesindeki şevlerin duraylılığının deterministik ve olasılığa dayalı yöntemlerle değerlendirilmesi, Postgraduate, E.TUNCAY(Student), 1999

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The leeb (Equotip) hardness test for rock materials: An overview, assessments on the factors influencing test results, and prediction models based on a large database**  
ULUSAY R., ERSOY H., SÜNNETÇİ M. O., KARAHAN M.  
BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, no.3, 2025 (SCI-Expanded)
- II. **An alternative method for predicting internal friction angle of rock materials**  
Karakul H., ULUSAY R.  
ENVIRONMENTAL EARTH SCIENCES, vol.83, no.10, 2024 (SCI-Expanded)
- III. **A new internal friction angle-based approach for estimating Hoek-Brown constant  $m(i)$  and its comparison with those estimated from some current methods**  
Karakul H., ULUSAY R.  
BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.81, no.8, 2022 (SCI-Expanded)
- IV. **An experimental investigation on stress-induced cracking mechanisms of a volcanic rock**  
Kong R., TUNCAY E., Ulusay R., Zhang X., Feng X.  
Engineering Geology, vol.280, 2021 (SCI-Expanded)
- V. **Celebrating the 50th anniversary of bulletin of engineering geology and the environment**  
ULUSAY R., Wong L.  
BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.79, no.7, pp.3285-3287, 2020 (SCI-Expanded)
- VI. **Point Load Strength Index of Half-Cut Core Specimens and Correlation with Uniaxial Compressive Strength**  
Sahin M., ULUSAY R., Karakul H.  
ROCK MECHANICS AND ROCK ENGINEERING, vol.53, no.8, pp.3745-3760, 2020 (SCI-Expanded)

- VII. **Geo-engineering characterization and an approach to estimate the in-situ long-term settlement of a peat deposit at an industrial district**  
 Ozcan N., ULUSAY R., IŞIK N. S.  
 ENGINEERING GEOLOGY, vol.265, 2020 (SCI-Expanded)
- VIII. **Effects of Earthquake Faulting on Civil Engineering Structures**  
 Aydan O., Nasiry N. Z., Ohta Y., ULUSAY R.  
 JOURNAL OF EARTHQUAKE AND TSUNAMI, vol.12, no.4, 2018 (SCI-Expanded)
- IX. **The 2016 Hans Cloos lecture**  
 ULUSAY R., Aydan O.  
 BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.77, no.2, pp.457-488, 2018 (SCI-Expanded)
- X. **An investigation on the mechanisms of instabilities and safe design of the south slope at a lignite pit (SW Turkey) based on a sensitivity approach**  
 SOLAK K. C., TUNCAY E., ULUSAY R.  
 BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.76, no.4, pp.1321-1341, 2017 (SCI-Expanded)
- XI. **Assessment of the Mechanism of a Slope Failure in a Hydroelectric Power Plant Site and Considerations on Some Remedial Measures**  
 TUNCAY E., ULUSAY R.  
 ENVIRONMENTAL & ENGINEERING GEOSCIENCE, vol.23, no.1, pp.23-41, 2017 (SCI-Expanded)
- XII. **Assessment of basic friction angles of various rock types from Turkey under dry, wet and submerged conditions and some considerations on tilt testing**  
 ULUSAY R., Karakul H.  
 BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.75, no.4, pp.1683-1699, 2016 (SCI-Expanded)
- XIII. **An Integrated Geomechanical Investigation, Multi-Parameter Monitoring and Analyses of Babadag-Gundogdu Creep-like Landslide**  
 KUMSAR H., Aydan O., Tano H., ÇELİK S. B., ULUSAY R.  
 ROCK MECHANICS AND ROCK ENGINEERING, vol.49, no.6, pp.2277-2299, 2016 (SCI-Expanded)
- XIV. **On the difficulties of geotechnical sampling and practical estimates of the strength of a weakly bonded volcanic soil**  
 Avsar E., ULUSAY R., Aydan O., MUTLUTÜRK M.  
 BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.74, no.4, pp.1375-1394, 2015 (SCI-Expanded)
- XV. **Comparison of undrained shear strength by pressuremeter and other tests, and numerical assessment of the effect of finite probe length in pressuremeter tests**  
 IŞIK N. S., ULUSAY R., Doyuran V.  
 BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.74, no.3, pp.685-695, 2015 (SCI-Expanded)
- XVI. **An experimental investigation of the mechanical behavior and microstructural features of a volcanic soil (Isparta, Turkey) and stability of cut slopes in this soil**  
 Avsar E., ULUSAY R., MUTLUTÜRK M.  
 ENGINEERING GEOLOGY, vol.189, pp.68-83, 2015 (SCI-Expanded)
- XVII. **Improvement of slope stability based on integrated geotechnical evaluations and hydrogeological conceptualisation at a lignite open pit**  
 ULUSAY R., EKMEKÇİ M., TUNCAY E., Hasancebi N.  
 ENGINEERING GEOLOGY, vol.181, pp.261-280, 2014 (SCI-Expanded)
- XVIII. **A New Rock Mass Quality Rating System: Rock Mass Quality Rating (RMQR) and Its Application to the Estimation of Geomechanical Characteristics of Rock Masses**  
 AYDAN O., ULUSAY R., TOKASHIKI N.  
 ROCK MECHANICS AND ROCK ENGINEERING, vol.47, no.4, pp.1255-1276, 2014 (SCI-Expanded)
- XIX. **ISRM Suggested Method for the Needle Penetration Test**  
 ULUSAY R., Aydan O., ERGÜLER Z. A., Ngan-Tillard D. J. M., Seiki T., Verwaal W., Sasaki Y., Sato A.

- ROCK MECHANICS AND ROCK ENGINEERING, vol.47, no.3, pp.1073-1085, 2014 (SCI-Expanded)
- XX. **Seismic, ground motion and geotechnical characteristics of the 2011 Van-Ercis and Van-Edremit earthquakes of Turkey, and assessment of geotechnical damages**  
Aydan O., ULUSAY R., KUMSAR H.  
BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.73, no.2, pp.643-666, 2014 (SCI-Expanded)
- XXI. **Stability Assessment of Avanos Underground Congress Centre (Cappadocia, Turkey) in Soft Tuffs Through an Integrated Scheme of Rock Engineering Methods**  
ULUSAY R., Aydan O., GENİŞ M., Tano H.  
ROCK MECHANICS AND ROCK ENGINEERING, vol.46, no.6, pp.1303-1321, 2013 (SCI-Expanded)
- XXII. **Empirical Correlations for Predicting Strength Properties of Rocks from P-Wave Velocity Under Different Degrees of Saturation**  
Karakul H., ULUSAY R.  
ROCK MECHANICS AND ROCK ENGINEERING, vol.46, no.5, pp.981-999, 2013 (SCI-Expanded)
- XXIII. **Geomechanical Evaluation of Derinkuyu Antique Underground City and its Implications in Geoengineering**  
Aydan O., ULUSAY R.  
ROCK MECHANICS AND ROCK ENGINEERING, vol.46, no.4, pp.731-754, 2013 (SCI-Expanded)
- XXIV. **A study on geotechnical characterization and stability of downstream slope of a tailings dam to improve its storage capacity (Turkey)**  
Ozcan N., ULUSAY R., Isik N. S.  
ENVIRONMENTAL EARTH SCIENCES, vol.69, no.6, pp.1871-1890, 2013 (SCI-Expanded)
- XXV. **Effects of Geo-Engineering Characteristics of the Soft Tuffs and Environmental Conditions on the Rock-Hewn Historical Structures at Zelve Open Air Museum, Cappadocia, Turkey**  
Kasmer O., ULUSAY R.  
ENVIRONMENTAL & ENGINEERING GEOSCIENCE, vol.19, no.2, pp.149-171, 2013 (SCI-Expanded)
- XXVI. **Assessments on the stability of natural slopes prone to toe erosion, and man-made historical semi-underground openings carved in soft tuffs at Zelve Open-Air Museum (Cappadocia, Turkey)**  
Kasmer O., ULUSAY R., GENİŞ M.  
ENGINEERING GEOLOGY, vol.158, pp.135-158, 2013 (SCI-Expanded)
- XXVII. **Assessment of structurally-controlled slope failure mechanisms and remedial design considerations at a feldspar open pit mine, Western Turkey**  
Tanyas H., ULUSAY R.  
ENGINEERING GEOLOGY, vol.155, pp.54-68, 2013 (SCI-Expanded)
- XXVIII. **Geotechnical aspects of the 2010 Darfield and 2011 Christchurch earthquakes, New Zealand, and geotechnical damage to structures and lifelines**  
Aydan O., ULUSAY R., Hamada M., Beetham D.  
BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.71, no.4, pp.637-662, 2012 (SCI-Expanded)
- XXIX. **Development of geotechnical microzonation model for Yenisehir (Bursa, Turkey) located at a seismically active region**  
KOLAT Ç., ULUSAY R., SÜZEN M. L.  
ENGINEERING GEOLOGY, vol.127, pp.36-53, 2012 (SCI-Expanded)
- XXX. **Evaluation of damage to light structures erected on a fill material rich in expansive soil**  
ÖZER M., ULUSAY R., IŞIK N. S.  
BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.71, no.1, pp.21-36, 2012 (SCI-Expanded)
- XXXI. **Geo-engineering properties and settlement of peaty soils at an industrial site (Turkey)**  
ULUSAY R., TUNCAI E., HASANCEBI N.  
BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.69, no.3, pp.397-410, 2010 (SCI-Expanded)
- XXXII. **An assistant tool for the Geological Strength Index to better characterize poor and very poor rock masses**  
Osgoui R. R., ULUSAY R., Unal E.  
INTERNATIONAL JOURNAL OF ROCK MECHANICS AND MINING SCIENCES, vol.47, no.4, pp.690-697, 2010 (SCI-

- Expanded)
- XXXIII. **Assessments of swelling anisotropy of Ankara clay**  
Avsar E., ULUSAY R., SÖNMEZ H.  
ENGINEERING GEOLOGY, vol.105, pp.24-31, 2009 (SCI-Expanded)
- XXXIV. **Deformation modulus of heavily jointed-sheared and blocky greywackes by pressuremeter tests: Numerical, experimental and empirical assessments**  
IŞIK N. S., ULUSAY R., Doyuran V.  
ENGINEERING GEOLOGY, vol.101, pp.269-282, 2008 (SCI-Expanded)
- XXXV. **Assessment of deformation modulus of weak rock masses from pressuremeter tests and seismic surveys**  
IŞIK N. S., Doyuran V., ULUSAY R.  
BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.67, no.3, pp.293-304, 2008 (SCI-Expanded)
- XXXVI. **Relation between Kaiser effect levels and pre-stresses applied in the laboratory**  
TUNCAY E., ULUSAY R.  
INTERNATIONAL JOURNAL OF ROCK MECHANICS AND MINING SCIENCES, vol.45, no.4, pp.524-537, 2008 (SCI-Expanded)
- XXXVII. **A study on the identification of liquefaction-induced failures on ground surface based on the data from the 1999 Kocaeli and Chi-Chi earthquakes**  
Sonmez B., ULUSAY R., Sonmez H.  
ENGINEERING GEOLOGY, vol.97, pp.112-125, 2008 (SCI-Expanded)
- XXXVIII. **Evaluation of ground deformations induced by the 1999 Kocaeli earthquake (Turkey) at selected sites on shorelines**  
Aydan O., ULUSAY R., Atak V. O.  
ENVIRONMENTAL GEOLOGY, vol.54, no.1, pp.165-182, 2008 (SCI-Expanded)
- XXXIX. **Liquefaction potential at Izmit Bay: comparison of predicted and observed soil liquefaction during the Kocaeli earthquake**  
Sonmez B., ULUSAY R.  
BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.67, no.1, pp.1-9, 2008 (SCI-Expanded)
- XL. **Characterization of weathered acidic volcanic rocks and a weathering classification based on a rating system**  
Arikan F., Ulusay R., Aydin N.  
BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.66, no.4, pp.415-430, 2007 (SCI-Expanded)
- XLI. **Liquefaction assessments by field-based methodologies: foundation soils at a dam site in Northeast Turkey**  
Ulusay R., Tuncay E., HASANCEBI N.  
BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.66, no.3, pp.361-375, 2007 (SCI-Expanded)
- XLII. **Empirical correlations between shear wave velocity and penetration resistance for ground shaking assessments**  
Hasancebi N., Ulusay R.  
BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.66, no.2, pp.203-213, 2007 (SCI-Expanded)
- XLIII. **Geotechnical assessment of the 2005 Kuzulu landslide (Turkey)**  
Ulusay R., Aydan O., Kilic R.  
ENGINEERING GEOLOGY, vol.89, pp.112-128, 2007 (SCI-Expanded)
- XLIV. **Stability of spoil piles at two coal mines in Turkey: Geotechnical characterization and design considerations**  
Kasmer O., Ulusay R.  
ENVIRONMENTAL & ENGINEERING GEOSCIENCE, vol.12, no.4, pp.337-352, 2006 (SCI-Expanded)
- XLV. **Evaluation of site amplification and site period using different methods for an earthquake-prone settlement in Western Turkey**  
Hasancebi N., Ulusay R.  
ENGINEERING GEOLOGY, vol.87, pp.85-104, 2006 (SCI-Expanded)

- XLVI. **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)
- XLVII. **Reply to Discussion by G. Kalkan and P. Gülkan on "Attenuation relationship based on Turkish strong motion data and iso-acceleration map of Turkey" by Ulusay et. al., Eng. Geol., 74: 265-291 (2004)**  
ULUSAY R., TUNCAY E., GÖKÇEOĞLU C., SÖNMEZ H.  
ENGINEERING GEOLOGY, vol.79, pp.291-292, 2005 (SCI-Expanded)
- XLVIII. **An attenuation relationship based on Turkish strong motion data and iso-acceleration map of Turkey**  
ULUSAY R., Tuncay E., SONMEZ H., GOKCEOGLU C.  
ENGINEERING GEOLOGY, vol.74, pp.265-291, 2004 (SCI-Expanded)
- XLIX. **An overview of geotechnical aspects of the Cay-Eber (Turkey) earthquake**  
Ulusay R., AYDAN O., ERKEN A., Tuncay E., KUMSAR H., KAYA Z. B.  
ENGINEERING GEOLOGY, vol.73, pp.51-70, 2004 (SCI-Expanded)
- L. **Predicting intact rock properties of selected sandstones using petrographic thin-section data**  
ZORLU K., ULUSAY R., OCAKOGLU F., Gokceoglu C., SONMEZ H.  
INTERNATIONAL JOURNAL OF ROCK MECHANICS AND MINING SCIENCES, vol.41, no.3, pp.370-371, 2004 (SCI-Expanded)
- LI. **An application of fuzzy sets to the Geological Strength Index (GSI) system used in rock engineering**  
SONMEZ H., Gokceoglu C., ULUSAY R.  
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, vol.16, no.3, pp.251-269, 2003 (SCI-Expanded)
- LII. **Akustik Emisyon (AE) tekniği: 2- AE tekniğiyle Türkiye'de arazi gerilmelerinin belirlenmesi konusunda bir ön inceleme**  
TUNCAY E., ULUSAY R., WATANABE H., TANO H., AYDAN O., Yüzer E.  
Yerbilimleri/Hacettepe Üniversitesi Yerbilimleri Uygulama ve Araştırma Merkezi Dergisi, vol.25, pp.83-98, 2002 (SCI-Expanded)
- LIII. **Akustik Emisyon (Yayıma) (AE) tekniği: 1- AE'nin Temel ilkeleri ve kaya mühendisliğindeki uygulama alanları**  
TUNCAY E., ULUSAY R.  
Yerbilimleri/Hacettepe Üniversitesi Yerbilimleri Uygulama ve Araştırma Merkezi Dergisi, vol.25, pp.65-82, 2002 (SCI-Expanded)
- LIV. **Draft ISRM suggested method for determining block punch strength index (BPI)**  
ULUSAY R., Gokceoglu C., SULUKCU S.  
INTERNATIONAL JOURNAL OF ROCK MECHANICS AND MINING SCIENCES, vol.38, no.8, pp.1113-1119, 2001 (SCI-Expanded)
- LV. **Deterministic and probabilistic treatments of multiplanar pitwall failures at Himmetoglu (Turkey) coal mine**  
Tuncay E., Ulusay R.  
CANADIAN GEOTECHNICAL JOURNAL, vol.38, no.4, pp.828-849, 2001 (SCI-Expanded)
- LVI. **Causes, mechanism and environmental impacts of instabilities at Himmetoglu coal mine and possible remedial measures**  
ULUSAY R., Gokceoglu C., SONMEZ H., TUNCAY E.  
ENVIRONMENTAL GEOLOGY, vol.40, no.6, pp.769-786, 2001 (SCI-Expanded)
- LVII. **Factors affecting the durability of selected weak and clay-bearing rocks from Turkey, with particular emphasis on the influence of the number of drying and wetting cycles**  
Gokceoglu C., ULUSAY R., SONMEZ H.  
ENGINEERING GEOLOGY, vol.57, pp.215-237, 2000 (SCI-Expanded)
- LVIII. **Süreksizlik denetimli şev duraysızlıklarının değerlendirilmesinde olasılığa dayalı kinematik analiz yaklaşımı ve bir uygulama**  
TUNCAY E., ULUSAY R.

Yerbilimleri/Hacettepe Üniversitesi Yerbilimleri Uygulama ve Araştırma Merkezi Dergisi, vol.22, pp.205-222, 2000 (SCI-Expanded)

- LIX. **A practical procedure for the back analysis of slope failures in closely jointed rock masses**  
SONMEZ H., ULUSAY R., Gokceoglu C.  
INTERNATIONAL JOURNAL OF ROCK MECHANICS AND MINING SCIENCES, vol.35, no.2, pp.219-233, 1998 (SCI-Expanded)
- LX. **The modified block punch index test**  
ULUSAY R., Gokceoglu C.  
CANADIAN GEOTECHNICAL JOURNAL, vol.34, no.6, pp.991-1001, 1997 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Faulting by the 2023 great earthquakes of Türkiye and associated stress field and its effects on built environment**  
Aydan O., ULUSAY R., KUMSAR H.  
GEOENVIRONMENTAL DISASTERS, vol.11, no.1, 2024 (ESCI)
- II. **Preliminary report of field reconnaissance on the 6 February 2023 Kahramanmaraş Earthquakes in Türkiye**  
Yan K., Miyajima M., Kumsar H., Aydan Ö., Ulusay R., Tao Z., Chen Y., Wang F.  
Geoenvironmental Disasters, vol.11, no.1, 2024 (ESCI)

## Books

- I. **Kaya Mekanığı Laboratuvar Deneyleri Rock Mechanics Laboratory Experiments**  
ULUSAY R., GÖKÇEOĞLU C., BİNAL A.  
Jeoloji Mühendisleri Odası Yayını, Ankara, 2011

## Papers Published in Refereed Scientific Meetings

- I. **A Study on Model Experiments and Numerical Simulations on Rockfalls and Its Utilization to Assess the Rockfall Hazards in Miyagi Island (Japan) and Cappadocia (Turkey)**  
TUNAR ÖZCAN N., Aydan Ö., Murayama Y., Horiuchi K., Ulusay R.  
16th International Conference of the International Association for Computer Methods and Advances in Geomechanics, IACMAG 2021, Turin, Italy, 5 - 08 May 2021, vol.126, pp.482-490
- II. **TKİ Hüsamlar linyit açık işletmesi güney şevlerindeki duraysızlık mekanizmaları**  
SOLAK K. C., TUNCAY E., ULUSAY R.  
MÜHJE02017, Ulusal Mühendislik Jeolojisi ve Jeoteknik Sempozyumu, Adana, Turkey, 12 October 2017, vol.1, pp.66-73
- III. **KAYSERİ SERBEST BÖLGEDEKİ TURBA ZEMİNLERİN DİNAMİK ÖZELLİKLERİNİN VE SİSMİK YER TEPKİSİNİN İNCELENMESİ**  
TUNAR ÖZCAN N., ULUSAY R., IŞIK N. S.  
69. Türkiye Jeoloji Kurultayı, Ankara, Turkey, 11 - 15 April 2016
- IV. **Rock Mass Quality Rating (RMQR) System and Its Application to the Estimation of Geomechanical Characteristics of Rock Masses**  
Aydan O., ULUSAY R., Tokashiki N.  
12th International IAEG Congress, Torino, Italy, 15 - 19 September 2014, pp.769-772
- V. **Geo-engineering Aspects of the Van Earthquakes (Turkey) of October and November 2011 and Associated Geotechnical Damages**

ULUSAY R., KUMSAR H., Aydan O.

12th International IAEG Congress, Torino, Italy, 15 - 19 September 2014, pp.1053-1057

- VI. **Slope optimization and design based on geotechnical and hydrogeological assessments for a new deep open pit coal mine**  
ULUSAY R., EKMEKÇİ M., TUNCAY E., HASANCEBİ N.  
ISRM International Symposium (EUROCK), Wroclaw, Poland, 23 - 26 September 2013, pp.703-708
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