

## **Prof. ERHAN ALTUNEL**

### **Personal Information**

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### **International Researcher IDs**

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Yoksis Researcher ID: 2501

### **Education Information**

Doctorate, University of Bristol, Department Of Earth Sciences, United Kingdom 1991 - 1994

Undergraduate, Hacettepe University, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, Turkey 1983 - 1987

### **Dissertations**

Doctorate, Active Tectonics and the Evolution of Quaternary Travertines at Pamukkale, Western Turkey, University of Bristol, Department Of Earth Sciences, 1994

### **Research Areas**

Geoarcheology, Areal Geology (general,maps and charts), Tectonics (Paleotectonics, Neotectonics, Seismotectonics), Structural Geology, Surficial Geology (geomorphology, quaternary geology, soils)

### **Academic Titles / Tasks**

Professor, Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Jeoloji Mühendisliği Bölümü, 2005 - Continues

Associate Professor, Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Jeoloji Mühendisliği Bölümü, 2000 - 2005

Assistant Professor, Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Jeoloji Mühendisliği Bölümü, 1995 - 2000

Research Assistant, Hacettepe University, Mühendislik Fakültesi, Hidrojeoloji Mühendisliği Bölümü, 1987 - 1988

### **Academic and Administrative Experience**

Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Jeoloji Mühendisliği Bölümü, 2005 - Continues  
Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Jeoloji Mühendisliği Bölümü, 2006 - 2009

### **Courses**

Arkeojeoloji, Undergraduate, 2019 - 2020  
Neotektonik, Postgraduate, 2020 - 2021  
Türkiye Jeolojisi, Undergraduate, 2019 - 2020  
Deprem Jeolojisi Araştırmaları, Undergraduate, 2020 - 2021  
Global Tektonik, Undergraduate, 2020 - 2021  
Deprem Jeolojisi, Undergraduate, 2020 - 2021

## Advising Theses

Altunel E., Aktif Fayları Geçen Antik Yollarda Tarihsel Deprem İzlerinin Araştırılması: Kuzey Anadolu Fay Zonu Üzerinde Pilot Çalışma, Postgraduate, İELMA(Student), 2020  
Altunel E., Kuzey Anadolu Fay Zonu'nuda Gerede Bayramören arasında meydana gelen krip hareketinin yersel lidar ile izlenmesi, Doctorate, S. ALTINOK(Student), 2016  
Altunel E., Potansiyel alan (manyetik ve gravite) verileri ile Eskişehir fay zonunun incelenmesi, Postgraduate, Y.CAN(Student), 2016  
Altunel E., Kuzey Anadolu fay zonu'nun Ladik-Taşova segmenti üzerinde devam eden deformasyonun takibi, Postgraduate, E.TUNÇEL(Student), 2015  
Altunel E., Doğu Anadolu Fay Zonu'nun Gölbaşı (Adıyaman) İle Karataş (Adana) arasındaki kesiminin geç kuvaterner aktivitesi, Doctorate, Ö.YÖNLÜ(Student), 2012  
Altunel E., Kütahya fay zonu'nun kuvaterner aktivitesi, Postgraduate, S. ALTINOK(Student), 2010  
Altunel E., Gömülü yapıların yeraltı radarı (GPR) yöntemi ile araştırılması: Büyük Menderes grabeninde paleosismolojik ve arkeosismolojik uygulamalar, Doctorate, C.ÇAĞLAR(Student), 2009  
Altunel E., Büyük Menderes grabeninin batı kesiminin morfotektonik özellikleri ve tarihsel deprem aktivitesi, Postgraduate, Ö.YÖNLÜ(Student), 2008  
Altunel E., Ölü deniz fay zonu kuzey kesiminin kuvaterner aktivitesi, Doctorate, V.KARABACAK(Student), 2007  
Altunel E., Hierapolis antik kentinin arkeosismolojik açıdan incelenmesi, Postgraduate, B.MÜSLİHİN(Student), 2006  
Altunel E., Vlf-Em yönteminin aktif fay çalışmalarında kullanılması: Eskişehir fay zonu üzerindeki örnek bir çalışma, Postgraduate, Ç.YALÇINER(Student), 2004  
Altunel E., İhlara vadisi civarındaki traverten oluşumları ve tektonik önemleri, Postgraduate, V.KARABACAK(Student), 2002  
Altunel E., Eskişehir fay zonunun İnönü-Dodurga segmentinin neotektonik özellikleri, Postgraduate, F.TOKAY(Student), 2001  
Altunel E., Uzaktan Algılama Yöntemleri ile Eskişehir Civarındaki Tektonik Hatların Belirlenmesi, Postgraduate, A.Sinan(Student), 1997  
Altunel E., Eskişehir Güneyinde (Meşelik Mevkii) Neotektonik Deformasyonları Belirten Yapılar, Postgraduate, D.Ateş(Student), 1997

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

- I. **Tectonic implications of the Mw 6.8, 30 October 2020 Kusadasi Gulf earthquake in the frame of active faults of Western Turkey**  
Altunel E., Pınar A.  
TURKISH JOURNAL OF EARTH SCIENCES, vol.30, no.4, pp.436-448, 2021 (SCI-Expanded)
- II. **High-resolution ground penetrating radar investigation of yerebatan (Basilica) cistern in istanbul (constantinople) for restoration purposes**  
AYDINGÜN Ş., Kurban Y., YALÇINER C. Ç., BÜYÜKSARAÇ A., GÜNDÖĞDU E., ALTUNEL E.  
Mediterranean Archaeology and Archaeometry, vol.20, no.3, pp.13-26, 2020 (AHCI)
- III. **Pamukkale Travertines: A Natural and Cultural Monument in the World Heritage List**  
ALTUNEL E., D'Andria F.

- LANDSCAPES AND LANDFORMS OF TURKEY, pp.219-229, 2019 (SCI-Expanded)
- IV. Paleoseismic history and slip rate along the Sapanca-Akyazi segment of the 1999 Izmit earthquake rupture ( $M_w=7.4$ ) of the North Anatolian Fault (Turkey)**  
 Dikbas A., Akyüz H. S., Meghraoui M., Ferry M., ALTUNEL E., Zabci C., Langridge R., YALÇINER C. Ç.  
*TECTONOPHYSICS*, vol.738, pp.92-111, 2018 (SCI-Expanded)
- V. Comment on "First records of syn-diagenetic non-tectonic folding in Quaternary thermogenic travertines caused by hydrothermal incremental veining" by Billi et al. *Tectonophysics* 700-701 (2017) 60-79**  
 Alcicek M. C., Alcicek H., Altunel E., Arenas C., Bons P., Brogi A., Capezzuoli E., De Riese T., Della Porta G., Gandin A., et al.  
*TECTONOPHYSICS*, vol.721, pp.491-500, 2017 (SCI-Expanded)
- VI. Geological and geomorphological evidence for the southwestern extension of the East Anatolian Fault Zone, Turkey**  
 Yonlu O., ALTUNEL E., KARABACAK V.  
*EARTH AND PLANETARY SCIENCE LETTERS*, vol.469, pp.1-14, 2017 (SCI-Expanded)
- VII. Research using GPR into the cause of cracks and depressions in the floor of the gallery of Hagia Sophia Museum**  
 YALÇINER C. Ç., Kurban Y. C., ALTUNEL E.  
*CONSTRUCTION AND BUILDING MATERIALS*, vol.139, pp.458-466, 2017 (SCI-Expanded)
- VIII. Seismotectonics and rupture process of the M-W 7.1 2011 Van reverse-faulting earthquake, eastern Turkey, and implications for hazard in regions of distributed shortening**  
 Mackenzie D., Elliott J. R., ALTUNEL E., Walker R. T., Kurban Y. C., Schwenninger J. -, Parsons B.  
*GEOPHYSICAL JOURNAL INTERNATIONAL*, vol.206, no.1, pp.501-524, 2016 (SCI-Expanded)
- IX. Reply to Comment on "Analyses of Seismic Deformation at the Kibyra Roman Stadium, Southwest Turkey"**  
 KARABACAK V., Yonlu O., Doku E., KIYAK N. G., ALTUNEL E., ÖZÜDOĞRU Ş., YALÇINER C. Ç., Akyüz H. S.  
*GEOARCHAEOLOGY-AN INTERNATIONAL JOURNAL*, vol.29, no.4, pp.353-356, 2014 (SCI-Expanded)
- X. Analyses of Seismic Deformation at the Kibyra Roman Stadium, Southwest Turkey**  
 KARABACAK V., Yonlu O., Doku E., KIYAK N. G., ALTUNEL E., ÖZÜDOĞRU Ş., YALÇINER C. Ç., Akyüz H. S.  
*GEOARCHAEOLOGY-AN INTERNATIONAL JOURNAL*, vol.28, no.6, pp.531-543, 2013 (SCI-Expanded)
- XI. Application of GPR to normal faults in the Buyuk Menderes Graben, western Turkey**  
 YALÇINER C. Ç., ALTUNEL E., Bano M., Meghraoui M., KARABACAK V., Akyüz H. S.  
*JOURNAL OF GEODYNAMICS*, vol.65, pp.218-227, 2013 (SCI-Expanded)
- XII. Evolution of the Golbasi basin and its implications for the long-term offset on the East Anatolian Fault Zone, Turkey**  
 Yonlu O., ALTUNEL E., KARABACAK V., Akyüz H. S.  
*JOURNAL OF GEODYNAMICS*, vol.65, pp.272-281, 2013 (SCI-Expanded)
- XIII. Evolution of the northern Dead Sea Fault Zone in southern Turkey**  
 KARABACAK V., ALTUNEL E.  
*JOURNAL OF GEODYNAMICS*, vol.65, pp.282-291, 2013 (SCI-Expanded)
- XIV. The efficacy of travertine as a palaeoenvironmental indicator: palaeomagnetic study of neotectonic examples from Denizli, Turkey**  
 MESKİ B. L., TATAR O., Piper J. D. A., GÜRSOY H., ALTUNEL E., Crowley S.  
*TURKISH JOURNAL OF EARTH SCIENCES*, vol.22, no.2, pp.191-203, 2013 (SCI-Expanded)
- XV. Microplate boundaries as obstacles to pre-earthquake strain transfer in Western Turkey: Inferences from continuous geochemical monitoring**  
 İnan S., Pabuccu Z., Kulak F., Ergintav S., TATAR O., ALTUNEL E., Akyüz H. S., TAN O., Seyis C., Cakmak R., et al.  
*JOURNAL OF ASIAN EARTH SCIENCES*, vol.48, pp.56-71, 2012 (SCI-Expanded)
- XVI. Paleoseismology of the North Anatolian Fault at Guzelkoy (Ganos segment, Turkey): Size and recurrence time of earthquake ruptures west of the Sea of Marmara**  
 Meghraoui M., Aksoy M. E., Akyüz H. S., Ferry M., Dikbas A., ALTUNEL E.

- GEOCHEMISTRY GEOPHYSICS GEOSYSTEMS, vol.13, 2012 (SCI-Expanded)
- XVII. Paleoseismological investigations on a slow-moving active fault in central Anatolia, Tecer Fault, Sivas  
Akyüz H. S., Uçarkuş G., ALTUNEL E., Dogan B., Dikbas A.  
ANNALS OF GEOPHYSICS, vol.55, no.5, pp.847-857, 2012 (SCI-Expanded)
- XVIII. Monitoring aseismic surface creep along the North Anatolian Fault (Turkey) using ground-based  
LIDAR  
Karabacak V., ALTUNEL E., Cakir Z.  
Earth and Planetary Science Letters, vol.304, pp.64-70, 2011 (SCI-Expanded)
- XIX. The North Anatolian Fault on the Hersek Peninsula, Turkey: Its Geometry and Implications for the  
1999 Izmit Earthquake Rupture Propagation  
Kozaci O., ALTUNEL E., Lindvall S., Brankman C., Lettis W.  
TURKISH JOURNAL OF EARTH SCIENCES, vol.20, no.4, pp.359-381, 2011 (SCI-Expanded)
- XX. Palaeoearthquakes on the Kelkit Valley Segment of the North Anatolian Fault, Turkey: Implications  
for the Surface Rupture of the Historical 17 August 1668 Anatolian Earthquake  
Zabcı C., Akyüz H. S., KARABACAK V., Sancar T., ALTUNEL E., GÜRSOY H., TATAR O.  
TURKISH JOURNAL OF EARTH SCIENCES, vol.20, no.4, pp.411-427, 2011 (SCI-Expanded)
- XXI. Rb-Sr systematics of fault gouges from the North Anatolian Fault Zone (Turkey)  
Mutlu H., Uysal I. T., ALTUNEL E., KARABACAK V., Feng Y., Zhao J., Atalay O.  
JOURNAL OF STRUCTURAL GEOLOGY, vol.32, no.2, pp.216-221, 2010 (SCI-Expanded)
- XXII. Field evidences from northern Dead Sea Fault Zone (South Turkey): New findings for the initiation  
age and slip rate  
Karabacak V., ALTUNEL E., Meghraoui M., Akyüz H. S.  
Tectonophysics, vol.480, pp.172-182, 2010 (SCI-Expanded)
- XXIII. Offset archaeological relics in the western part of the Buyuk Menderes graben (western Turkey) and  
their tectonic implications  
Yonlu O., ALTUNEL E., KARABACAK V., Akyüz H. S., YALÇINER C. Ç.  
ANCIENT EARTHQUAKES, vol.471, pp.269-279, 2010 (SCI-Expanded)
- XXIV. Bala (Ankara) Earthquakes: Implications for Shallow Crustal Deformation in Central Anatolian  
Section of the Anatolian Platelet (Turkey)  
TAN O., Tapirdamaz M. C., Ergintav S., İnan S., Iravul Y., SAATÇILAR R., Tuzel B., Tarancioglu A., Karakisa S., Kartal R.  
F., et al.  
TURKISH JOURNAL OF EARTH SCIENCES, vol.19, no.4, pp.449-471, 2010 (SCI-Expanded)
- XXV. Assessment of seismically induced damage using LIDAR: The ancient city of Pinara (SW Turkey) as a  
case study  
Yerli B., Ten Veen J., Sintubin M., KARABACAK V., YALÇINER C. Ç., ALTUNEL E.  
ANCIENT EARTHQUAKES, vol.471, pp.157-170, 2010 (SCI-Expanded)
- XXVI. Ancient Earthquakes Preface  
Sintubin M., Stewart I. S., Niemi T. M., ALTUNEL E.  
ANCIENT EARTHQUAKES, vol.471, 2010 (SCI-Expanded)
- XXVII. Archaeological sites (Tell and Road) offset by the Dead Sea Fault in the Amik Basin, Southern  
Turkey  
Altunel E., Meghraoui M., Karabacak V., Akyüz H. S., Ferry M., Yalcmer C., Munsch M.  
GEOPHYSICAL JOURNAL INTERNATIONAL, vol.179, no.3, pp.1313-1329, 2009 (SCI-Expanded)
- XXVIII. Long-term evolution of the North Anatolian Fault: new constraints from its eastern termination  
Hubert-Ferrari A., King G., van der Woerd J., Villa I., ALTUNEL E., Armijo R.  
COLLISION AND COLLAPSE AT THE AFRICA-ARABIA-EURASIA SUBDUCTION ZONE, vol.311, pp.133-154, 2009  
(SCI-Expanded)
- XXIX. New temple discovery at the archaeological site of Nysa (western Turkey) using GPR method  
YALÇINER C. Ç., Bano M., Kadioglu M., Karabacak V., Meghraoui M., ALTUNEL E.  
Journal of Archaeological Science, vol.36, no.8, pp.1680-1689, 2009 (SCI-Expanded)
- XXX. Earthquake Archaeology-Just a Good Story?

- Sintubin M., Stewart I. S., Niemi T., ALTUNEL E.  
 SEISMOLOGICAL RESEARCH LETTERS, vol.79, no.6, pp.767-768, 2008 (SCI-Expanded)
- XXXI. **Thematic set: Active tectonics and earthquake hazard of Western Anatolia - Preface**  
 SÖZBİLİR H., Akyuez S., ALTUNEL E., GÜRSOY H.  
 TURKISH JOURNAL OF EARTH SCIENCES, vol.17, no.3, pp.543-544, 2008 (SCI-Expanded)
- XXXII. **U-series dating and geochemical tracing of late Quaternary travertine in co-seismic fissures**  
 Uysal I. T., Feng Y., Zhao J., ALTUNEL E., Weatherley D., Karabacak V., Cengiz O., Golding S. D., Lawrence M. G., Collerson K. D.  
 Earth and Planetary Science Letters, vol.257, pp.450-462, 2007 (SCI-Expanded)
- XXXIII. **Historical earthquake activity of the northern part of the Dead Sea Fault Zone, southern Turkey**  
 Akyüz H. S., ALTUNEL E., Karabacak V., YALÇINER C. Ç.  
 Tectonophysics, vol.426, pp.281-293, 2006 (SCI-Expanded)
- XXXIV. **Clay mineralogical and isotopic (K-Ar,  $\delta^{18}\text{O}$ ,  $\delta\text{D}$ ) constraints on the evolution of the North Anatolian Fault Zone, Turkey**  
 Uysal I., Mutlu H., ALTUNEL E., Karabacak V., Golding S.  
 Earth and Planetary Science Letters, vol.243, pp.181-194, 2006 (SCI-Expanded)
- XXXV. **Determination of horizontal extension from fissure-ridge travertines: A case study from the denizli Basin, southwestern Turkey**  
 ALTUNEL E., Karabacak V.  
 Geodinamica Acta, vol.18, pp.333-342, 2005 (SCI-Expanded)
- XXXVI. **Characteristics of the 1912 co-seismic rupture along the North Anatolian Fault Zone (Turkey): implications for the expected Marmara earthquake**  
 ALTUNEL E., Meghraoui M., Akyüz H. S., Dikbas A.  
 TERRA NOVA, vol.16, no.4, pp.198-204, 2004 (SCI-Expanded)
- XXXVII. **Paleoseismic evidence of characteristic slip on the western segment of the North Anatolian fault, Turkey**  
 Klinger Y., Sieh K., ALTUNEL E., Akoglu A., Barka A., Dawson T., Gonzalez T., Meltzner A., Rockwell T.  
 BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA, vol.93, no.6, pp.2317-2332, 2003 (SCI-Expanded)
- XXXVIII. **Earthquake faulting at ancient Cnidus, SW Turkey**  
 ALTUNEL E., Stewart I. S., Barka A., Piccardi L.  
 Turkish Journal of Earth Sciences, vol.12, no.1, pp.137-151, 2003 (SCI-Expanded)
- XXXIX. **Timing of Late Holocene earthquakes on the Eastern Düzce Fault and implications for slip transfer between the Southern and Northern strands of the North Anatolian fault systems, Bolu, Turkey**  
 Hitchcock C., ALTUNEL E., Barka A., Bachhuber J., Lettis W., Kozaci Ö., Helms J., Lindvall S.  
 Turkish Journal of Earth Sciences, vol.12, no.1, pp.119-136, 2003 (SCI-Expanded)
- XL. **Surface rupture and slip distribution along the Karadere segment of the 17 August 1999 Izmit and the western section of the 12 November 1999 Duzce, Turkey, earthquakes**  
 Hartleb R., Dolan J., Akyüz H. S., Dawson T., Tucker A., Yerli B., Rockwell T., Toraman E., Cakir Z., DİKBAŞ A., et al.  
 BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA, vol.92, no.1, pp.67-78, 2002 (SCI-Expanded)
- XLI. **Surface rupture and slip distribution of the 12 November 1999 Duzce earthquake (M 7.1), North Anatolian fault, Bolu, Turkey**  
 Akyüz H. S., Hartleb R., Barka A., ALTUNEL E., Sunal G., Meyer B., Armijo R.  
 BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA, vol.92, no.1, pp.61-66, 2002 (SCI-Expanded)
- XLII. **The surface rupture and slip distribution of the 17 August 1999 Izmit earthquake (M 7.4), North Anatolian fault**  
 Barka A., Akyüz H. S., ALTUNEL E., Sunal G., Cakir Z., Dikbas A., Yerli B., Armijo R., Meyer B., de Chabalier J., et al.  
 BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA, vol.92, no.1, pp.43-60, 2002 (SCI-Expanded)
- XLIII. **Geological and archaeological evidence for post-Roman earthquake surface faulting at Cibyra, SW Turkey**  
 Akyüz H. S., ALTUNEL E.  
 GEODINAMICA ACTA, vol.14, pp.95-101, 2001 (SCI-Expanded)

- XLIV. **Creation and destruction of travertine monumental stone by earthquake faulting at Hierapolis, Turkey**  
 Hancock P., Chalmers R., ALTUNEL E., Çakır Z., Becher-Hancock A.  
 Geological Society Special Publication, vol.171, pp.1-14, 2000 (SCI-Expanded)
- XLV. **Palaeoseismicity of the Dinar fault, SW Turkey**  
 ALTUNEL E., Barka A., Akyuz S.  
 TERRA NOVA, vol.11, no.6, pp.297-302, 1999 (SCI-Expanded)
- XLVI. **Travitonics: using travertines in active fault studies**  
 Hancock P., Chalmers R., ALTUNEL E., Cakir Z.  
 JOURNAL OF STRUCTURAL GEOLOGY, vol.21, pp.903-916, 1999 (SCI-Expanded)
- XLVII. **Geological and geomorphological observations in relation to the 20 September 1899 Menderes earthquake, western Turkey**  
 ALTUNEL E.  
 JOURNAL OF THE GEOLOGICAL SOCIETY, vol.156, pp.241-246, 1999 (SCI-Expanded)
- XLVIII. **Faulted archaeological relics at Hierapolis (Pamukkale), Turkey**  
 Hancock P., ALTUNEL E.  
 JOURNAL OF GEODYNAMICS, vol.24, pp.21-36, 1997 (SCI-Expanded)
- XLIX. **Structural attributes of travertine-filled extensional fissures in the pamukkale plateau, western turkey**  
 ALTUNEL E., Hancock P. L.  
 International Geology Review, vol.38, no.8, pp.768-777, 1996 (SCI-Expanded)
- L. **MORPHOLOGY AND STRUCTURAL SETTING OF QUATERNARY TRAVERTINES AT PAMUKKALE, TURKEY**  
 ALTUNEL E., HANCOCK P.  
 GEOLOGICAL JOURNAL, vol.28, pp.335-346, 1993 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Eski Eserlerdeki Yapısal Tahribatların Termal Görüntüleme ve Mikrodalga Nem Ölçümleri ile Belirlenmesi: Ayasofya Müzesi Örnek Çalışması**  
 YALÇINER C. Ç., GÜNDÖĞDU E., KURBAN Y. C., ALTUNEL E.  
 Çanakkale Onsekiz Mart Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.2, no.2, pp.34-47, 2017 (Peer-Reviewed Journal)
- II. **Holocene Activity of Kutahya Fault Zone**  
 Altinok S., Karabacak V., Yalçiner C. Ç., Bilgen A. N., Altunel E., Kiyak N. G.  
 TURKIYE JELOJİ BULTENI-GEOLOGICAL BULLETIN OF TURKEY, vol.55, pp.1-17, 2012 (ESCI)
- III. **Dating and geochemical tracing of paleoseismic events**  
 Uysal T., Zhao J., Golding S. D., Feng Y., Weatherley D., Altunel E., Mutlu H., Karabacak V.  
 ASEG Extended Abstracts, vol.2006, no.1, 2006 (Peer-Reviewed Journal)
- IV. **Hersek Deltası'nda paleosismolojik çalışmalar**  
 Barka A. A., Kozacı Ö., Altunel E., Evren E., Lindwall S., Brankman C., Seitz G.  
 Aktif Tektonik Araştırma Grubu Makaleler Kitabı, no.4, pp.16-26, 2001 (Conference Book)
- V. **Pamukkale bölgesinde tektonik aktivitenin traverten morfolojisi üzerindeki rolü**  
 Altunel E., Hancock P. L.  
 Aktif Tektonik Araştırma Grubu Makaleler Kitabı, no.2, pp.167-173, 1999 (Conference Book)
- VI. **Adana çevresinin güncel tektoniği ve 1998 Adana depremi**  
 Barka A. A., Akyüz H. S., Altunel E.  
 Aktif Tektonik Araştırma Grubu Makaleler Kitabı, no.2, pp.20-31, 1999 (Conference Book)
- VII. **Cibyra depremi: Burdur-Fethiye Fay Zonu' nun sol yanal hareketine ait veriler**  
 Akyüz H. S., Altunel E.  
 Aktif Tektonik Araştırma Grubu Makaleler Kitabı, no.1, pp.161-170, 1998 (Conference Book)

- VIII. **Eskişehir fay zonunun neotektonik aktivitesi**  
 Altunel E., Barka A.  
 TJK Bülteni, vol.41, pp.41-52, 1998 (Peer-Reviewed Journal)
- IX. **Evidence for damaging historical earthquakes at Priene, western Turkey**  
 Altunel E.  
 Turkish Journal of Earth Science, vol.7, pp.25-35, 1998 (Peer-Reviewed Journal)
- X. **Pamukkale (Hierapolis) 'de arkeologlar tarafından yanlış yorumlanan jeolojik yapılar: kendiliğinden oluşan kanal travertenler ve sırt tipi travertenler**  
 Altunel E.  
 Jeoloji Mühendisliği, vol.49, pp.35-40, 1997 (Peer-Reviewed Journal)
- XI. **Evaluation of archaeoseismic damages at Hierapolis**  
 Altunel E., Barka A.  
 Geological Bulletin of Turkey, vol.39, no.2, pp.65-74, 1996 (Scopus)
- XII. **Pamukkale Travertenlerinin morfolojik özellikleri, yaşları ve neotektonik önemleri**  
 Altunel E.  
 MTA Dergisi, vol.118, pp.47-64, 1996 (Peer-Reviewed Journal)
- XIII. **Pamukkale travertenleri kaç yaşında**  
 Altunel E., Hancock P. L.  
 TÜBİTAK Bilim Teknik, vol.26, pp.496-497, 1993 (Non Peer-Reviewed Journal)
- XIV. **Active fissuring and faulting in Quaternary travertines at Pamukkale, western Turkey**  
 Altunel E., Hancock P.  
 Zeitschrift fur Geomorphologie, Supplementband, vol.94, pp.285-302, 1993 (Scopus)

## Books & Book Chapters

- I. **Kültürel Jeoloji: Jeoloji'nin İnsanoğlu'nun Yaşamı Üzerindeki Etkileri**  
 Altunel E.  
 in: Kuvaterner Bilimi, Kazancı N, Gürbüz A, Editor, Ankara Üniversitesi, Ankara, pp.195-214, 2012
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Altunel E., TUBITAK Project, Gediz ve Küçük Menderes Grabenlerindeki Antik Kentlerde Tarihsel Deprem Hasarlarının Araştırılması ve Değerlendirilmesi, 1999 - 2001

Altunel E., TUBITAK Project, Dinar Fayının Paleosismisitesi, 1998 - 1999

Altunel E., TUBITAK Project, Büyük Menderes grabeninde tarihsel devirlerde meydana gelen büyük depremlere ait yüzey kırıklarının belirlenmesi ve değerlendirilmesi, 1996 - 1999

Altunel E., Project Supported by Higher Education Institutions, Eskişehir Fay Zonunun Depremsellik Aktivitesi Bu Zon Üzerinde Meydan Gelen Depremlere Ait Yüzey Kırıklarının Belirlenmesi ve Değerlendirilmesi, 1996 - 1998

## Metrics

Publication: 153  
Citation (WoS): 1930  
Citation (Scopus): 2339  
H-Index (WoS): 23  
H-Index (Scopus): 25

## Congress and Symposium Activities

ATAG 22 Toplantısı, Invited Speaker, Çanakkale, Turkey, 2018  
Interdisciplinary meeting on climate change and seismic hazards during the Holocene in the mediterranean, Invited Speaker, Aix-En-Provence, France, 2014  
1st International Symposium on Travertine, Invited Speaker, Denizli, Turkey, 2005  
CIESM, Invited Speaker, Athens, Greece, 2003

## Awards

Altunel E., Eşik Üstü Ödülü for QUAKE N TIME, Tübitak, June 2016  
Altunel E., Eşik Üstü Ödülü/Active Tectonics And Large Earthquakes In The Mediterranean, Tübitak, June 2015  
Altunel E., Altın Çekiç Ödülü, Jeoloji Mühendisleri Odası, May 2001

Altunel E., Üstün Başarı Ödülü, İhsan Doğramacı Vakfı, June 1987

### **Non Academic Experience**

TÜBİTAK-MAM  
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Hacettep Üniversitesi