

## Assoc. Prof. ATILLA ARDA ÖZACAR

### Personal Information

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### International Researcher IDs

ScholarID: pQNag-YAAAAJ

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Publons / Web Of Science ResearcherID: AAZ-8730-2020

ScopusID: 55941618800

Yoksis Researcher ID: 163426

### Education Information

Doctorate, University of Arizona, Department Of Geosciences, United States Of America 2001 - 2007

Postgraduate, Middle East Technical University, Faculty of Engineering, Department of Geological Engineering, Turkey  
1999 - 2001

Undergraduate, Middle East Technical University, Faculty of Engineering, Department of Geological Engineering, Turkey  
1995 - 1999

### Dissertations

Doctorate, Complex rupture processes of large strike-slip earthquakes and receiver function analysis of crust and upper mantle in active tectonic settings, University Of Arizona, Department Of Geosciences, 2007

Postgraduate, Neotectonic characteristics of Dombayova (Dinar-Afyon) graben, Middle East Technical University, Faculty of Engineering, Department of Geological Engineering, 2001

### Research Areas

Natural Sciences, Engineering and Technology

### Academic Titles / Tasks

Associate Professor, Middle East Technical University, Faculty Of Engineering, Department Of Geological Engineering,  
2023 - Continues

Assistant Professor, Middle East Technical University, Faculty Of Engineering, Department Of Geological Engineering,  
2018 - 2023

Assistant Professor, Middle East Technical University, Faculty of Engineering, Department of Geological Engineering,  
2010 - 2018

Lecturer, Middle East Technical University, Faculty of Engineering, Department of Geological Engineering, 2007 - 2009

Research Assistant, University of Arizona, Graduate College, Department Of Geosciences, 2003 - 2007

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

1999 - 2001

## Academic and Administrative Experience

Middle East Technical University, Afet Yönetimi Uygulama Ve Araştırma Merkezi, 2014 - Continues

Faculty Management Board Member, Middle East Technical University, Faculty Of Engineering, Department Of Geological Engineering, 2020 - 2023

Middle East Technical University, Faculty of Engineering, Department of Geological Engineering, 2008 - 2011

## Courses

SEISMOLOGY, Postgraduate, 2021 - 2022, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2009 - 2010

RESEARCH METHODOLOGY AND ETHICS IN GEOLOGICAL ENGINEERING, Postgraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

EARTHQUAKE GEOLOGY, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2012 - 2013, 2010 - 2011

GLOBAL TECTONICS, Postgraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2015 - 2016, 2014 - 2015, 2013 - 2014

GEOPHYSICAL PROSPECTING, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010

FIELD GEOLOGY, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2009 - 2010

FIELD GEOLOGIC MAPPING, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2009 - 2010

## Advising Theses

Özacar A. A., Physics-based earthquake triggering and fault interactions, Doctorate, E.SOPACI(Student), 2023

Özacar A. A., A new Vs30 prediction strategy taking geology, terrain, and saturation into account: Application to Türkiye, Postgraduate, H.BORA(Student), 2022

Gülerce Z., Özacar A. A., Estimation of high-frequency attenuation parameter (KAPPA) for hard rock stations of Turkish strong motion network, Postgraduate, A.ÖZGÜN(Student), 2021

Gülerce Z., Özacar A. A., Fault based probabilistic seismic hazard assessment at different tectonic regimes and data sampling conditions: Emphasis on sensitivity of seismic source characterization, Doctorate, S.TANVIR(Student), 2019

ÖZACAR A. A., Analysis of crust and mantle structure across Turkey using passive seismic data, Doctorate, B.ABGARMI(Student), 2019

ÖZACAR A. A., EARTHQUAKE FOCAL MECHANISM ANALYSIS OF CENTRAL ANATOLIA, Postgraduate, S.BİRİSOY(Student), 2018

Kaymakçı N., Özacar A. A., Post-late cretaceous rotational evolution of neotethyan sutures around Ankara region, Doctorate, M.ÖZKAPTAN(Student), 2016

Karahanoğlu N., Özacar A. A., QUANTITATIVE SEISMIC INTERPRETATION AND RESERVOIR CHARACTERIZATION OF AKÇAKOCA PRODUCTION FIELD AT WESTERN BLACK SEA, TURKEY, Doctorate, S.AKTEPE(Student), 2015

Süzen M. L., Özacar A. A., Morphometric analysis of active tectonic imprints at the junction of Büyük Menderes and Bozdoğan grabens, Western Anatolia, Postgraduate, S.GAMZE(Student), 2015

Özacar A. A., Bozkurt E., Stress tensor inversion from focal mechanism solutions and earthquake probability analysis of Western Anatolia, Turkey, Postgraduate, S.TANVIR(Student), 2015

ÖZACAR A. A., Analysis of seismic anisotropy across Central Anatolia by shear wave splitting, Postgraduate,

D.PAMİR(Student), 2014

Askan Gündoğan A., Özacar A. A., Estimation of dynamic soil properties and soil amplification ratios with alternative techniques, Postgraduate, F.NURTEN(Student), 2013

ÖZACAR A. A., KAYMAKCI N., Subsurface structure of the Central Thrace basin from 3D seismic reflection data, Postgraduate, Y.TAİKULAKOV(Student), 2011

KAYMAKCI N., ÖZACAR A. A., Modeling permian petroleum system of Netherlands: hydrocarbon generation and migration, Postgraduate, E.Mert(Student), 2010

Özacar A. A., Kaymakçı N., Earthquake focal mechanism and stress tensor analysis along the central segment of the North Anatolian fault, Postgraduate, E.KARASÖZEN(Student), 2010

KAYMAKCI N., ÖZACAR A. A., 3D modeling of salt related structures in the friesland platform the Netherlands, Postgraduate, K.Yücel(Student), 2010

## Designed Lessons

Özacar A. A., RESEARCH METHODOLOGY AND ETHICS IN GEOLOGICAL ENGINEERING, Postgraduate, 2019 - 2020

Özacar A. A., SEISMOLOGY, Postgraduate, 2008 - 2009

## Taught Courses And Trainings

Özacar A. A., Intensive Programme in Mathematical Models in Seismology, Lifelong Learning Programme, 2011 - 2011

Özacar A. A., Uygulamalı Hidrografi Eğitimi , 2010 - 2010

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

- I. **A Novel VS30 Prediction Strategy Taking Fluid Saturation into Account and a New VS30 Model of Türkiye**  
OKAY H. B., ÖZACAR A. A.  
Bulletin of the Seismological Society of America, vol.114, no.2, pp.1048-1065, 2024 (SCI-Expanded)
- II. **Impact of 2019 Mw 5.8 Marmara Sea Earthquake on the seismic cycle of locked North Anatolian Fault segment**  
Sopacı E., ÖZACAR A. A.  
Tectonophysics, vol.859, 2023 (SCI-Expanded)
- III. **The Samos Island (Aegean Sea) M7.0 earthquake: analysis and engineering implications of strong motion data**  
Askan Gündoğan A., Gülerce Z., Roumelioti Z., Sotiriadis D., Melis N. S., Altındal A., Akbaş B., Sopacı E., Karimzadeh S., Kalogeras I., et al.  
BULLETIN OF EARTHQUAKE ENGINEERING, vol.20, no.14, pp.7737-7762, 2022 (SCI-Expanded)
- IV. **Characteristics of the 2020 Samos earthquake (Aegean Sea) using seismic data**  
Kiratzi A., Papazachos C., ozacar A. A., PINAR A., Kkallas C., Sopacı E.  
Bulletin of Earthquake Engineering, vol.20, no.14, pp.7713-7735, 2022 (SCI-Expanded)
- V. **Seismic attenuation tomography of the Sn phase beneath the Turkish-Iranian Plateau and the Zagros mountain belt**  
Kaviani A., Sandvol E., Ku W., Beck S. L., Türkelli N., ÖZACAR A. A., Delph J. R.  
Geosphere, vol.18, no.4, pp.1377-1393, 2022 (SCI-Expanded)
- VI. **Slab Induced Mantle Upwelling Beneath the Anatolian Plateau**  
Lynner C., Delph J. R., Portner D. E., Beck S. L., Sandvol E., ÖZACAR A. A.  
GEOPHYSICAL RESEARCH LETTERS, vol.49, no.11, 2022 (SCI-Expanded)
- VII. **The site effects in Izmir Bay of October 30 2020, M7.0 Samos Earthquake**

Çetin K. Ö., Altun S., Askan Gündoğan A., Akgün M., Sezer A., Kincal C., Özdağ Ö. C., İpek Y., Unutmaz B., Gülerce Z., et al.

SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, vol.152, 2022 (SCI-Expanded)

- VIII. **Predictive performance of current ground motion models for recorded strong motions in 2020 Samos Earthquake**  
GÜLERCE Z., Akbaş B., ÖZACAR A. A., Sopacı E., Önder F. M., UZEL B., CAN G., ÇAKIR E., ILGAÇ M., SÖYLEMEZ B., et al.  
SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, vol.152, 2022 (SCI-Expanded)
- IX. **Deformation in SW Anatolia (Turkey) Documented by Anisotropy of Magnetic Susceptibility Data**  
ÖZKAPTAN M., Gülyüz E., UZEL B., Langereis C. G., ÖZACAR A. A., KAYMAKCI N.  
TECTONICS, vol.40, no.12, 2021 (SCI-Expanded)
- X. **Fault-based probabilistic seismic hazard assessment of the eastern Makran subduction and the Chaman transform fault, Pakistan: Emphasis on the source characterization of megathrust**  
Shah S. T., ÖZACAR A. A., GÜLERCE Z.  
Journal of Asian Earth Sciences, vol.205, 2021 (SCI-Expanded)
- XI. **Simulation of seismic triggering and failure time perturbations associated with the 30 October 2020 Samos earthquake (Mw 7.0)**  
Sopacı E., ÖZACAR A. A.  
TURKISH JOURNAL OF EARTH SCIENCES, vol.30, no.5, pp.653-664, 2021 (SCI-Expanded)
- XII. **Age and kinematics of the Burdur Basin: Inferences for the existence of the Fethiye Burdur Fault Zone in SW Anatolia (Turkey)**  
ÖZKAPTAN M., KAYMAKCI N., Langereis C. G., Gulyuz E., ÖZACAR A. A., UZEL B., SÖZBİLİR H.  
TECTONOPHYSICS, vol.744, pp.256-274, 2018 (SCI-Expanded)
- XIII. **Paleomagnetic evidence for upper plate response to a STEP fault, SW Anatolia**  
KAYMAKCI N., Langereis C., ÖZKAPTAN M., Ozacar A. A., Gülyüz E., UZEL B., SÖZBİLİR H.  
EARTH AND PLANETARY SCIENCE LETTERS, vol.498, pp.101-115, 2018 (SCI-Expanded)
- XIV. **The 2017 July 20 M-w 6.6 Bodrum-Kos earthquake illuminates active faulting in the Gulf of Gokova, SW Turkey**  
Karasozen E., Nissen E., Buyukakpınar P., CAMBAZ M. D., Kahraman M., Ertan E. K., Abgarmi B., Bergman E., Ghods A., ÖZACAR A. A.  
GEOPHYSICAL JOURNAL INTERNATIONAL, vol.214, no.1, pp.185-199, 2018 (SCI-Expanded)
- XV. **Subduction termination through progressive slab deformation across Eastern Mediterranean subduction zones from updated P-wave tomography beneath Anatolia**  
Portner D. E., Delph J. R., Biryol C. B., Beck S. L., Zandt G., ÖZACAR A. A., Sandvol E., TÜRKELLİ N.  
GEOSPHERE, vol.14, no.3, pp.907-925, 2018 (SCI-Expanded)
- XVI. **The effects of subduction termination on the continental lithosphere: Linking volcanism, deformation, surface uplift, and slab tearing in central Anatolia**  
Delph J. R., Abgarmi B., Ward K. M., Beck S. L., ÖZACAR A. A., Zandt G., Sandvol E., TÜRKELLİ N., Kalafat D.  
GEOSPHERE, vol.13, no.6, pp.1788-1805, 2017 (SCI-Expanded)
- XVII. **Structure of the crust and African slab beneath the central Anatolian plateau from receiver functions: New insights on isostatic compensation and slab dynamics**  
Abgarmi B., Delph J. R., ÖZACAR A. A., Beck S. L., Zandt G., Sandvol E., TÜRKELLİ N., Biryol C. B.  
GEOSPHERE, vol.13, no.6, pp.1774-1787, 2017 (SCI-Expanded)
- XVIII. **Probabilistic Seismic-Hazard Assessment for East Anatolian Fault Zone Using Planar Fault Source Models**  
GÜLERCE Z., SHAH S. T., MENEKŞE A., Ozacar A. A., Kaymakci N., ÇETİN K. Ö.  
BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA, vol.107, no.5, pp.2353-2366, 2017 (SCI-Expanded)
- XIX. **M-Split: A Graphical User Interface to Analyze Multilayered Anisotropy from Shear-Wave Splitting**  
Abgarmi B., ÖZACAR A. A.  
SEISMOLOGICAL RESEARCH LETTERS, vol.88, no.4, pp.1146-1155, 2017 (SCI-Expanded)
- XX. **Origin and interactions of fluids circulating over the Amik Basin (Hatay, Turkey) and relationships with the hydrologic, geologic and tectonic settings**

YÜCE G., Italiano F., D'Alessandro W., Yalcin T. H., YASİN D., Gulbay A. H., ÖZYURT N. N., Rojay B., KARABACAK V., Bellomo S., et al.

CHEMICAL GEOLOGY, vol.388, pp.23-39, 2014 (SCI-Expanded)

- XXI. **Seismicity, focal mechanisms and active stress field around the central segment of the North Anatolian Fault in Turkey**  
Karasozen E., ÖZACAR A. A., Biryol C. B., Beck S. L.  
GEOPHYSICAL JOURNAL INTERNATIONAL, vol.196, no.1, pp.405-421, 2014 (SCI-Expanded)
- XXII. **Crustal velocity structure of Central and Eastern Turkey from ambient noise tomography**  
Warren L. M., Beck S. L., Biryol C. B., Zandt G., ÖZACAR A. A., Yang Y.  
GEOPHYSICAL JOURNAL INTERNATIONAL, vol.194, no.3, pp.1941-1954, 2013 (SCI-Expanded)
- XXIII. **3-D crustal structure along the North Anatolian Fault Zone in north-central Anatolia revealed by local earthquake tomography**  
Yolsal Çevikbilen S., Biryol C. B., Beck S., Zandt G., Taymaz T., Adiyaman H. E., ÖZACAR A. A.  
GEOPHYSICAL JOURNAL INTERNATIONAL, vol.188, no.3, pp.819-849, 2012 (SCI-Expanded)
- XXIV. **Segmented African lithosphere beneath the Anatolian region inferred from teleseismic P-wave tomography**  
Biryol C. B., Beck S. L., Zandt G., ÖZACAR A. A.  
GEOPHYSICAL JOURNAL INTERNATIONAL, vol.184, no.3, pp.1037-1057, 2011 (SCI-Expanded)
- XXV. **Shear wave splitting along a nascent plate boundary: the North Anatolian Fault Zone**  
Biryol C. B., Zandt G., Beck S. L., ÖZACAR A. A., Adiyaman H. E., Gans C. R.  
GEOPHYSICAL JOURNAL INTERNATIONAL, vol.181, no.3, pp.1201-1213, 2010 (SCI-Expanded)
- XXVI. **Detecting the limit of slab break-off in central Turkey: new high-resolution Pn tomography results**  
Gans C. R., Beck S. L., Zandt G., Biryol C. B., ÖZACAR A. A.  
GEOPHYSICAL JOURNAL INTERNATIONAL, vol.179, no.3, pp.1566-1572, 2009 (SCI-Expanded)
- XXVII. **Crustal structure and seismic anisotropy near the San Andreas Fault at Parkfield, California**  
ÖZACAR A. A., Zandt G.  
GEOPHYSICAL JOURNAL INTERNATIONAL, vol.178, no.2, pp.1098-1104, 2009 (SCI-Expanded)
- XXVIII. **Upper mantle discontinuity structure beneath East Anatolian Plateau (Turkey) from receiver functions**  
ÖZACAR A. A., Gilbert H., Zandt G.  
EARTH AND PLANETARY SCIENCE LETTERS, vol.269, pp.426-434, 2008 (SCI-Expanded)
- XXIX. **The 2002 Denali fault and 2001 Kunlun fault earthquakes: Complex rupture processes of two large strike-slip events**  
Ozacar A. A., Beck S.  
BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA, vol.94, no.6, 2004 (SCI-Expanded)
- XXX. **Crustal seismic anisotropy in central Tibet: Implications for deformational style and flow in the crust**  
Ozacar A., Zandt G.  
GEOPHYSICAL RESEARCH LETTERS, vol.31, no.23, 2004 (SCI-Expanded)
- XXXI. **Source process of the 3 November 2002 Denali fault earthquake (central Alaska) from teleseismic observations**  
Ozacar A. A., Beck S., Christensen D.  
GEOPHYSICAL RESEARCH LETTERS, vol.30, no.12, 2003 (SCI-Expanded)
- XXXII. **Extensional Neotectonic Regime through the NE Edge of the Outer Isparta Angle, SW Turkey: New Field and Seismic Data**  
Koçyiğit A., Özacar A. A.  
TURKISH JOURNAL OF EARTH SCIENCES, vol.12, pp.67-90, 2003 (SCI-Expanded)
- XXXIII. **The June 6 2000 Orta Çankırı Turkey Earthquake Sourced from a New Antithetic Sinistral Strike slip Structure of the North Anatolian Fault System the Dodurga Fault Zone**  
Koçyiğit A., Rojay F. B., Cihan M., Özacar A. A.  
TURKISH JOURNAL OF EARTH SCIENCES, vol.10, no.2, pp.69-82, 2001 (SCI-Expanded)

## Books & Book Chapters

- I. **Seismic images of crustal variations beneath the East Anatolian Plateau (Turkey) from teleseismic receiver functions**  
ÖZACAR A. A., Zandt G., Gilbert H., Beck S. L.  
in: Sedimentary Basin Tectonics from the Black Sea and Caucasus to the Arabian Platform, SOSSON M., KAYMAKCI N., STEPHENSON R. A., BERGERAT F., STAROSTENKO V., Editor, The Geological Society Publishing House, Somerset-West, pp.485-496, 2010

## Refereed Congress / Symposium Publications in Proceedings

- I. **Ege Denizi Kıyıları İçin Sismik Tsunami Tehlike Analizi: Olasılıksal Yaklaşım**  
DOĞAN G. G., YALÇINER A. C., ÖZACAR A. A., GÜLERCE Z., TÜFEKÇİ ENGİNAR D., SÜZEN M. L., KARAKÜTÜK B., OKAY H. B., KANUN O., PEKCAN O., et al.  
10. Kıyı Mühendisliği Sempozyumu, İzmir, Turkey, 16 - 17 November 2023
- II. **A New Vs30 Prediction Strategy Taking Topography, Geology, Terrain and Water Saturation into Account: Application to Türkiye and California**  
Okay H. B., Özacar A. A.  
EGU General Assembly 2023, Vienna, Austria, 24 April 2023
- III. **Transient signal-based quantification of earthquake triggering effects on nearby faults using rate and state friction**  
Sopacı E., ÖZACAR A. A.  
EGU General Assembly 2023, Viyana, Austria, 23 - 28 April 2023
- IV. **Fault Based Tsunami Generation and Hazard Analysis: A Probabilistic Study for Aegean Coasts of Türkiye**  
DOĞAN G. G., YALÇINER A. C., ÖZACAR A. A., GÜLERCE Z., TÜFEKÇİ ENGİNAR D., SÜZEN M. L., Kanun O., PEKCAN O., YÜCEMEN M. S.  
EGU General Assembly 2023, Viyana, Austria, 23 - 28 April 2023
- V. **Do Large Earthquakes along Major Faults Synchronize in Time?**  
Sopacı E., ÖZACAR A. A.  
European Geophysical Union General Assembly 2022, Viyana, Austria, 23 May 2022, no.508
- VI. **Performance Analysis of Existing Vs30 Prediction Models for Turkey and New Approaches to Improve / Mevcut Vs30 Tahmin Modellerinin Türkiye için Performans Analizi ve İyileştirilmesine Yönelik Yeni Yaklaşımlar**  
Okay H. B., Özacar A. A.  
74st Geological Congress of Turkey, Ankara, Turkey, 11 April 2022, pp.230
- VII. **Performance Analysis of Existing Vs30 Prediction Models for Turkey and New Approaches to Improve**  
Okay H. B., Özacar A. A.  
74.TÜRKİYE JEOLJİ KURULTAYI, Ankara, Turkey, 11 - 15 April 2022, pp.1
- VIII. **Simulation of Instant and Delayed Seismic Triggering Observed After the 30 October 2020 Samos Earthquake at Nearby Faults**  
Sopacı E., ÖZACAR A. A.  
European Geosciences Union General Assembly 2021, Viyana, Austria, 19 - 30 April 2021
- IX. **Estimation Of High-Frequency Attenuation Parameter (Kappa) For Hard Rock Stations Of Turkish Strong Motion Network**  
Akgün A. Ö., Gülerce Z., Özacar A. A.  
European Geosciences Union General Assembly 2021, Vienna, Austria, 19 - 30 April 2021
- X. **Investigation of Dynamic and Static Effects on Earthquake Triggering Using Different Rate and State Friction Laws and Marmara Simulation**

Sopacı E., ÖZACAR A. A.

EGU2020, Austria, 4 - 08 May 2020

- XI. **Fault-based Probabilistic Seismic Hazard Assessment of the Makran Subduction Zone and the Chaman Transform Fault in Pakistan: Emphasis on the Effect of Source Characterization of Megathrust**  
Shah S. T., ÖZACAR A. A., GÜLERCE Z.  
EGU General Assembly 2019, 7 - 12 April 2019
- XII. **Evidence for dynamic relationship between faulting and Neogene-Quaternary volcanism in post-collisional Central Anatolia (Turkey): Implications for shallow slab subduction and rollback**  
Schleiffarth . K., Umhoefer P., Cosca M., Reid M., Delph J. R., Portner D. E., Beck S. L., Abgarmi B., ÖZACAR A. A.  
American Geophysical Union 2018 Fall Meeting, Washington, Kiribati, 10 - 14 December 2018
- XIII. **Yeni Paleomanyetizma ve Paleostres Verileri Işığında Güney Batı Anadolu'xxnun Geç Senozoyik Evrimi**  
KAYMAKCI N., ÖZACAR A. A., LANGEREIS C., UZEL B., ÖZKAPTAN M., TOSUN L., GÜLYÜZ E., SÖZBİLİR H.  
22. Aktif Tektonik Araştırma Grubu Çalıştayı, Çanakkale, Turkey, 1 - 03 November 2018, vol.1
- XIV. **MAGNETOSTRATIGRAPHY AND KINEMATICS OF THE BURDUR BASIN: INFERENCES FOR THE FETHİYE BURDUR FAULT ZONE, SW ANATOLIA (TURKEY)**  
KAYMAKCI N., LANGEREIS C., ÖZKAPTAN M., UZEL B., KOÇ A., GÜLYÜZ E., SÖZBİLİR H., ÖZACAR A. A.  
71th Geological Congress of Turkey, Ankara, Turkey, 23 - 27 April 2018, vol.1, pp.25
- XV. **THE MYTH OF FETHİYE BURDUR FAULT ZONE, SW ANATOLIA (TURKEY)**  
KAYMAKCI N., LANGEREIS C., ÖZKAPTAN M., UZEL B., KOÇ A., GÜLYÜZ E., SÖZBİLİR H., ÖZACAR A. A.  
71th Geological Congress of Turkey, Ankara, Turkey, 23 - 27 April 2018, vol.1, pp.42
- XVI. **SPATIAL VARIATIONS OF ACTIVE STRESS PATTERNS AND FREQUENCY MAGNITUDE DISTRIBUTION OF EARTHQUAKES IN WESTERN ANATOLIA, TURKEY**  
Shah S. T., ÖZACAR A. A.  
71th Geological Congress of Turkey, 23 - 27 April 2018
- XVII. **Procedure for fault-based PSHA in complex tectonic regimes (eg Western Anatolia): Implications of activity rate characterization**  
Shah S. T., ÖZACAR A. A., GÜLERCE Z.  
European Geosciences Union General Assembly 2018, 8 - 13 April 2018
- XVIII. **Extensional Tectonics of SW Anatolia In relation to Slab Edge Processes in the Eastern Mediterranean**  
KAYMAKCI N., LANGEREIS C., ÖZKAPTAN M., ÖZACAR A. A., KOÇ A., UZEL B., GÜLYÜZ E., SÖZBİLİR H.  
AGU FALL MEETING 2017, 10 - 14 December 2017
- XIX. **Mantle to Surface Dynamics Across Subduction-Collision Transitions in Space and Time: Results from the CD-CAT Project in Anatolia**  
Whitney D. L., Abgarmi B., Beck S. L., Brocard ., Cosca M., Darin M., Delph J. R., Hui H., KAHRAMAN M., KAYMAKCI N., et al.  
American Geophysical Union 2017 Fall Meeting, New Orleans, United States Of America, 11 - 15 December 2017
- XX. **Subsurface signature of North Anatolian Fault Zone and its relation with old sutures: New insight from receiver function analysis.**  
ÖZACAR A. A., Abgarmi B.  
European Geophysical Union, 23 - 28 April 2017
- XXI. **Aksu-Dinar Fault System: Its bearing on the evolution of the Isparta Angle (SW Turkey)**  
KAYMAKCI N., ÖZACAR A. A., LANGEREIS C., ÖZKAPTAN M., GÜLYÜZ E., HINSBERGEN D., UZEL B., MCPHEE P., SÖZBİLİR H.  
EGU 2017, VİYENA, Austria, 23 - 28 April 2017
- XXII. **Fethiye-Burdur Fault Zone (SW Turkey): a myth**  
KAYMAKCI N., LANGEREIS C., ÖZKAPTAN M., ÖZACAR A. A., GÜLYÜZ E., UZEL B., SÖZBİLİR H.  
EGU-2017, VİYANA, Austria, 23 - 28 April 2017
- XXIII. **The effects of subduction termination on the continental lithosphere: Linking volcanism,**

**deformation, surface uplift, and slab tearing in central Anatolia**

Delph J. R., Abgarmi B., Ward K. M., Beck S. L., ÖZACAR A. A., Zandt G., Sandvol E., Turkelli N., Kalafat D.  
European Geophysical Union, 23 - 28 April 2017

- XXIV. **M-Split: A Graphical User Interface to Analyze Multilayered Anisotropy from Shear Wave Splitting**  
Abgarmi B., ÖZACAR A. A.  
European Geophysical Union, 23 - 28 April 2017
- XXV. **Detection and Classification of Volcanic Earthquakes/Tremors in Central Anatolian Volcanic Province**  
Kahraman M., ÖZACAR A. A., TANK S. B., USLULAR G., KUŞCU G., Türkelli N.  
European Geosciences Union General Assembly 2017, Viyana, Austria, 23 - 28 April 2017
- XXVI. **New Finite Frequency Teleseismic P wave Tomography of the Anatolian Sub continent and the Fate of the Subducted Cyprean Slab**  
Portner D. E., Biryol C. B., Delph J. R., Beck S. L., Zandt G., ÖZACAR A. A., Eric A S., Türkelli N.  
American Geophysical Union, 12 - 16 December 2016
- XXVII. **The Nature of Central Anatolian Crust and Uppermost Mantle from Teleseismic Receiver Functions The Role of Slab Dynamics on Rapid Uplift**  
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