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Personal Information

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International Researcher IDs

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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

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

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

Fakülte Yönetim Kurulu Üyesi, Middle East Technical University, Faculty of Engineering, Department of Geological Engineering, 2020 - Continues

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

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., 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

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

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., EARTHQUAKE FOCAL MECHANISM ANALYSIS OF CENTRAL ANATOLIA, Postgraduate, S.BİRSOY(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**
ÇETİN 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., Buyukakpinar 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

1. **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, Viyana, Austria, 24 April 2023
- III. **Do Large Earthquakes along Major Faults Synchronize in Time?**
Sopacı E., Özacar A. A.
EGU General Assembly 2022, Vienna, Austria, 23 - 27 May 2022, no.508, pp.508
- IV. **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
- V. **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
- VI. **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
- VII. **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
- VIII. **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
- IX. **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
- X. **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
- XI. **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

- XII. **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
- XIII. **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
- XIV. **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
- XV. **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
- XVI. **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
- XVII. **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
- XVIII. **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
- XIX. **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
- XX. **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
- XXI. **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., Türkelli N., Kalafat D.
European Geophysical Union, 23 - 28 April 2017
- XXII. **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
- XXIII. **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
- XXIV. **The Nature of Central Anatolian Crust and Uppermost Mantle from Teleseismic Receiver Functions The Role of Slab Dynamics on Rapid Uplift**
Abgarmi B., Delph J. R., ÖZACAR A. A., Beck S. L., George Z., Sandvol E. A., Türkelli N., Biryol C. B.

American Geophysical Union, 12 - 16 December 2016

- XXV. **Probabilistic Seismic Hazard Assessment for East Anatolian Fault Zone Using Planar Source Models**
GÜLERCE Z., Menekşe A., ÖZACAR A. A., ÇETİN K. Ö., Kaymakçı N.
2016 Annual Meeting of Seismological Society of America, 19 - 21 April 2016
- XXVI. **KABUK ve ÜST-MANTO YAPILARININ FARKLI TEKTONİK REJİMLERDE GÖRÜNTÜLENMESİ**
KAHRAMAN M., Turkelli N., ÖZACAR A. A., Teoman U., Altuncu S. P., GÜLEN L., UTKUCU M.
3. Türkiye Deprem Mühendisliği ve Sismoloji Konferansı, İzmir, Turkey, 14 - 16 October 2015
- XXVII. **Kuzey Anadolu ve Doğu Anadolu Fay Zonu için Deprem Tekrarlanma Parametrelerinin Belirlenmesi**
Güner B., Menekşe A., ÖZACAR A. A., GÜLERCE Z.
3. Türkiye Deprem Mühendisliği ve Sismoloji Konferansı, Turkey, 14 - 16 October 2015
- XXVIII. **Central Anatolian Seismic Network Initial Analysis of the Seismicity and Earth Structure**
ÖZACAR A. A., Abgarmi B., Delph J., Beck S. L., Sandvol E., Türkelli N., Kalafat D., Kahraman M., Teoman U.
European Geophysical Union General Assembly 2015, 12 - 17 April 2015
- XXIX. **Crustal Structure of the Western Anatolian Extensional Province: Evidence for a ductile lower crust through the joint inversion of Receiver Functions and Dispersion Data**
Delph J. R., KAHRAMAN M., Zandt G., Beck S. L., ÖZACAR A. A., Turkelli N.
American Geophysical Union 2014 Fall Meeting, San-Francisco, Costa Rica, 15 - 19 December 2014
- XXX. **Earthquake Detection Near the Central Anatolian Fault Zone Using Continuous Data from the CD-CAT Experiment**
Russell J. B., Beck S. L., Turkelli N., KALAFAT D., ÖZACAR A. A., Sandvol E.
American Geophysical Union 2014 Fall Meeting, San-Francisco, Costa Rica, 15 - 19 December 2014
- XXXI. **Structure of the Crust beneath Central Anatolia Preliminary Analysis of Teleseismic Receiver Functions**
Abgarmi B., ÖZACAR A. A., Delph J. R., Beck S. L., Sandvol E., Turkelli N., KALAFAT D., KAHRAMAN M., Teoman U.
The 8th International Symposium on Eastern Mediterranean Geology, Muğla, Turkey, 13 - 17 October 2014, pp.59
- XXXII. **Overview of the CD CAT Project Cenozoic Surface to Mantle Dynamics of Central Anatolia during the Transition from Subduction to Collision to Escape**
Whitney D. L., Beck S. L., Cosca M., Brocard ., KAYMAKCI N., KUŞCU G., Lefebvre C., Meijers M., Mulch A., ÖZACAR A. A., et al.
The 8th International Symposium on Eastern Mediterranean Geology, Muğla, Turkey, 13 - 17 October 2014, pp.58
- XXXIII. **Receiver Function Analysis of Crustal Structure beneath Western Anatolia**
KAHRAMAN M., ÖZACAR A. A., Turkelli N.
The 8th International Symposium on Eastern Mediterranean Geology, Muğla, Turkey, 13 - 17 October 2014, pp.61
- XXXIV. **Fethiye Burdur Fault Zone a Myth**
KAYMAKCI N., ÖZACAR A. A., ÖZKAPTAN M., KOÇ A., GÜLYÜZ E., Lefebvre C., UZEL B., LANGEREİS C. G., SÖZBİLİR H.
The 8th International Symposium on Eastern Mediterranean Geology, Muğla, Turkey, 13 - 17 October 2014, pp.56
- XXXV. **CAT Seismic Network Preliminary Results Implications on Central Anatolian Tectonics**
ÖZACAR A. A., Abgarmi B., Delph J. R., Beck S. L., Sandvol E., Turkelli N., KALAFAT D., KAHRAMAN M., Teoman U., POLAT KARACA G.
The 8th International Symposium on Eastern Mediterranean Geology, Muğla, Turkey, 13 - 17 October 2014, pp.60
- XXXVI. **Large Block Rotations Around the Intersection of the İzmir Ankara and Intra Tauride Suture Zones in Turkey**
ÖZKAPTAN M., GÜLYÜZ E., KAYMAKCI N., LANGEREİS C. G., Lefebvre C., ÖZACAR A. A.
The 8th International Symposium on Eastern Mediterranean Geology, Muğla, Turkey, 13 - 17 October 2014, pp.62
- XXXVII. **Kinematics of SW Anatolia implications on crustal deformation above slab tear**
ÖZKAPTAN M., KOÇ A., GÜLYÜZ E., UZEL B., KAYMAKCI N., Cor L., ÖZACAR A. A.
EGU General Assembly Conference Abstracts, viyana, Austria, 27 - 29 April 2014
- XXXVIII. **Analysis of Seismic Anisotropy Across Central Anatolia by Shear Wave Splitting**
Pamir D., Abgarmi B., ÖZACAR A. A.
European Geosciences Union General Assembly 2014, VİYANA, Austria, 27 April - 02 May 2014, vol.16
- XXXIX. **Structure and Dynamics of the Eastern Mediterranean Upper Mantle Results from Shear wave**

Splitting and Seismic Tomography

Biryol C. B., Beck S. L., Zandt G., ÖZACAR A. A.

American Geophysical Union (AGU) 2013 Fall Meeting, San-Francisco, Costa Rica, 9 - 13 December 2013

- XL. **AMİK HAVZASINDAKİ HATAY ÇÖZÜNMÜŞ VE SERBEST HALDEKİ GAZLARIN JEOKİMYASI VE TEKTONİK YAPI İLE İLİŞKİSİ**
YÜCE G., Italiano F., Yang F., Yalcin T. H., ROJAY F. B., KARABACAK V., Gulbay A. H., Yasin D. U., ÖZACAR A. A., D'Alessandro W., et al.
2. Türkiye Deprem Mühendisliği ve Sismoloji Konferansı, Hatay, Turkey, 25 - 27 September 2013, pp.1-8
- XLI. **Geochemistry of free and dissolved gases in the Amik basin area Turkey and its relationships with the tectonic setting**
YÜCE G., Italiano F., Yang F., Yalcin T. H., ROJAY F. B., KARABACAK V., Gulbay A. H., Yasin D. U., ÖZACAR A. A., D'Alessandro W., et al.
European Geosciences Union General Assembly 2013, VİYANA, Austria, 7 - 12 April 2013, vol.15
- XLII. **From Collision to Escape Cenozoic Surface to Mantle Dynamics of Central Anatolia**
Whitney D. L., Teyssier C., KAYMAKCI N., ROJAY F. B., ÖZACAR A. A., Umhoefer P., Reid M., Beck S. L., Thomson S., Brocard ., et al.
American Geophysical Union (AGU) 2012 Fall Meeting, San-Francisco, Costa Rica, 3 - 07 December 2012
- XLIII. **Jeotermal Kaynakların Aranmasında Gaz Jeokimyası Çalışmaları Great Artesian Basin GAB Avustralya ve Amik Ovası Hatay Örnekleri**
YÜCE G., Italiano F., Yalcin T. H., UYSAL I. T., Yang F., Fu C., ROJAY F. B., KARABACAK V., D'Alessandro W., Bellomo S., et al.
TÜRKİYE'DE JEOTERMAL KAYNAKLAR ARAMA VE UYGULAMALAR SEMPOZYUMU, İstanbul, Turkey, 8 - 09 November 2012, pp.1-11
- XLIV. **3-D Crustal Structure along the North Anatolian Fault Zone in North Central Anatolia from local earthquake tomography**
YOLSAL ÇEVİKBİLEN S., Biryol C. B., Beck S. L., Zandt G., TAYMAZ T., Adiyaman H. E., ÖZACAR A. A.
European Geosciences Union General Assembly 2011, Viyana, Austria, 3 - 08 April 2011, vol.13
- XLV. **Factors Controlling the Evolution of Anatolia Clues from Teleseismic Finite Frequency Tomography**
Biryol C. B., Beck S. L., Zandt G., ÖZACAR A. A.
American Geophysical Union (AGU) 2010 Fall Meeting, San-Francisco, Costa Rica, 13 - 17 December 2010
- XLVI. **Earthquake Focal Mechanism And Stress Tensor Inversion Along The Central Segment Of The North Anatolian Fault**
Karasözen E., ÖZACAR A. A., Biryol C. B., Beck S. L., Zandt G.
Tectonic Crossroads: Evolving Orogens of Eurasia-Africa-Arabia, Ankara, Turkey, 4 - 08 October 2010, pp.66
- XLVII. **Crust And Upper Mantle Dynamics Of Turkey Inferred From Passive Seismology Implications Of Segmented Slab Geometry**
ÖZACAR A. A., Biryol C. B., Beck S. L., Zandt G., KAYMAKCI N.
Tectonic Crossroads: Evolving Orogens of Eurasia-Africa-Arabia, Ankara, Turkey, 4 - 08 October 2010, pp.46
- XLVIII. **How Many Subduction Zones And Oceans Post Cretaceous Evolution Of Turkey Inferences From Mantle Tomography**
KAYMAKCI N., Spakman W., ÖZACAR A. A., Biryol C. B., Van Hinsbergen D.
Tectonic Crossroads: Evolving Orogens of Eurasia-Africa-Arabia, Ankara, Turkey, 4 - 08 October 2010, pp.73
- XLIX. **Segmented African Lithosphere Beneath Anatolia Imaged by Teleseismic P Wave Tomography**
Biryol C. B., Zandt G., Beck S. L., ÖZACAR A. A.
European Geosciences Union General Assembly 2010, VİYANA, Austria, 2 - 07 May 2010, vol.12
- L. **Earthquake Focal Mechanisms Along the Central Segment of the North Anatolian Fault**
Karasözen E., ÖZACAR A. A., Biryol C. B., Beck S. L., Zandt G.
European Geosciences Union General Assembly 2010, VİYANA, Austria, 2 - 07 May 2010, vol.12
- LI. **Deep Structure of Continental Strike slip Faults Imaged by Receiver Functions**
ÖZACAR A. A., Biryol C. B., Zandt G., Beck S. L.
European Geosciences Union General Assembly 2010, VİYANA, Austria, 2 - 07 May 2010, vol.12

- LII. **3D Geometry of Salt Controlled Normal Faults on Friesland Platform NW Netherlands**
YÜCEL K., KAYMAKCI N., ÖZACAR A. A.
European Geosciences Union General Assembly 2010, VİYANA, Austria, 2 - 07 May 2010, vol.12
- LIII. **Crustal Velocity Structure of Turkey from Ambient Noise Tomography**
Warren L. M., Beck S. L., Biryol C. B., Zandt G., ÖZACAR A. A., Yang Y.
American Geophysical Union (AGU) 2009 Fall Meeting, San-Francisco, Costa Rica, 14 - 18 December 2009, vol.90
- LIV. **Eastern Termination of the Subducting African Lithosphere Beneath Anatolia Imaged by Teleseismic P wave Tomography**
Biryol C. B., Zandt G., Beck S. L., ÖZACAR A. A., Schmandt B.
American Geophysical Union (AGU) 2009 Fall Meeting, San-Francisco, Costa Rica, 14 - 18 December 2009, vol.90
- LV. **NAF Experiment Lithospheric Structure of the Central North Anatolia From S wave Receiver Function Analysis**
Adiyaman H., Beck S. L., Zandt G., Biryol C. B., Warren L. M., ÖZACAR A. A., TAYMAZ T.
International Symposium on Historical Earthquakes and Conservation of Monuments and Sites in the Eastern Mediterranean Region, İstanbul, Turkey, 10 - 12 September 2009, pp.277-285
- LVI. **North Anatolian Fault NAF Passive Seismic Experiment Continental Lithospheric Deformation along a Major Strike Slip Fault central Turkey**
ÖZACAR A. A., Biryol C. B., Tok H., Gans C. R., Zandt G., Beck S. L., Warren L. M., TAYMAZ T.
International Symposium on Historical Earthquakes and Conservation of Monuments and Sites in the Eastern Mediterranean Region, İstanbul, Turkey, 10 - 12 September 2009, pp.236-237
- LVII. **Kuzey Anadolu Fayı Pasif Sismik Deneyi İlk Bulgular North Anatolian Fault Passive Seismic Experiment Preliminary Results**
ÖZACAR A. A., Biryol C. B., Tok H., Gans C. R., Zandt G., Beck S. L., Warren L. M., TAYMAZ T.
62. Türkiye Jeoloji Kurultayı, Ankara, Turkey, 13 - 17 April 2009, pp.828-829
- LVIII. **Anadolu Platosu nun Alıcı Fonksiyon Analizi Receiver Function Analysis of East Anatolian Plateau**
ÖZACAR A. A., Zandt G., Gilbert H., Beck S. L.
62. Türkiye Jeoloji Kurultayı, Ankara, Turkey, 13 - 17 April 2009, pp.446-447
- LIX. **NAF Experiment Lithospheric Structure of the Central North Anatolia From S wave Receiver Function Analysis**
Tok H., Beck S. L., Zandt G., Biryol C. B., Warren L. M., ÖZACAR A. A., TAYMAZ T.
American Geophysical Union (AGU) 2008 Fall Meeting, San-Francisco, Costa Rica, 15 - 19 December 2008, vol.89
- LX. **Ambient Noise Tomography Around the Central North Anatolian Fault Turkey**
Warren L. M., Beck S. L., Biryol C. B., Zandt G., ÖZACAR A. A., Yang Y.
American Geophysical Union (AGU) 2008 Fall Meeting, San-Francisco, Costa Rica, 15 - 19 December 2008, vol.89
- LXI. **The NAF Experiment Uppermost Mantle Structure Beneath North Central Turkey Using Pn Tomography**
Gans C. R., Biryol C. B., Beck S. L., Zandt G., ÖZACAR A. A., Tok H., Turkelli N., TAYMAZ T.
American Geophysical Union (AGU) 2008 Fall Meeting, San-Francisco, Costa Rica, 15 - 19 December 2008, vol.89
- LXII. **NAF Experiment Seismic Anisotropy Beneath Northern Anatolia From Shear Wave Splitting**
Biryol C. B., Zandt G., Beck S. L., Gans C. R., ÖZACAR A. A., Tok H., KOÇYİĞİT A., BOZKURT E., TAYMAZ T.
American Geophysical Union (AGU) 2008 Fall Meeting, San-Francisco, Costa Rica, 15 - 19 December 2008, vol.89
- LXIII. **Preliminary results from the North Anatolian Fault Passive Seismic Experiment Seismicity and anisotropy**
Biryol C. B., ÖZACAR A. A., Beck S. L., Zandt G.
American Geophysical Union (AGU) 2006 Fall Meeting, San-Francisco, Costa Rica, 11 - 15 December 2006, vol.87
- LXIV. **North Anatolian Fault Passive Seismic Experiment Receiver functions along a major strike slip fault**
ÖZACAR A. A., Biryol C. B., Zandt G., Beck S. L.
American Geophysical Union (AGU) 2006 Fall Meeting, San-Francisco, Costa Rica, 11 - 15 December 2006, vol.87
- LXV. **Fine scale structure of the Moho from receiver functions Effects of a deforming crust**
Zandt G., Gilbert H., ÖZACAR A. A., Owens T.
American Geophysical Union (AGU) 2004 Fall Meeting, San-Francisco, Costa Rica, 13 - 17 December 2004, vol.85

- LXVI. **Crustal deformation and crust mantle interaction in active collision zones Central Tibet and East Anatolia**
ÖZACAR A. A., Zandt G., Beck S. L.
American Geophysical Union (AGU) 2004 Fall Meeting, San-Francisco, Costa Rica, 13 - 17 December 2004, vol.85
- LXVII. **Receiver functions in central Tibet implications for deformational style and seismic anisotropy in the crust**
ÖZACAR A. A., Zandt G., Gilbert H., Guynn J.
16th Annual IRIS Workshop, TUCSON, United States Of America, 10 - 12 June 2004
- LXVIII. **Receiver functions in central Tibet implications for crustal structure and anisotropy**
ÖZACAR A. A., Zandt G., Gilbert H., Guynn J.
American Geophysical Union (AGU) 2003 Fall Meeting, San-Francisco, Costa Rica, 8 - 12 December 2003, vol.84
- LXIX. **Source process of the 2002 Denali fault earthquake compared to other large strike slip events**
ÖZACAR A. A., Fromm R., Beck S. L., Christensen D.
IRIS - UNAVCO Joint Workshop, YOSEMITE, United States Of America, 22 - 24 June 2003
- LXX. **Complex rupture process of the November 14 2001 Kunlun earthquake and its tectonic significance**
ÖZACAR A. A., Beck S. L.
American Geophysical Union (AGU) 2002 Fall Meeting, San-Francisco, Costa Rica, 6 - 10 December 2002, vol.83
- LXXI. **Source process of the 3 November 2002 Denali fault earthquake central Alaska**
ÖZACAR A. A., Beck S. L., Christensen D.
American Geophysical Union (AGU) 2002 Fall Meeting, San-Francisco, Costa Rica, 6 - 10 December 2002, vol.83
- LXXII. **Neotectonic significance of the Dombayova graben SW Turkey**
ÖZACAR A. A., KOÇYİĞİT A.
American Geophysical Union (AGU) 2001 Spring Meeting, BOSTON, United States Of America, 29 May - 02 June 2001, vol.80
- LXXIII. **Batı Anadolu Horst Graben Sisteminin Doğu Uzantısı ve Isparta Acısı ile İlişkisi Nedir?: Fethiye Burdur Zonu Olarak Bilinen Yapının Tektonik Niteliği**
KOÇYİĞİT A., ÖZACAR A. A., cihan m.
Aktif Tektonik Arastırma Grubu 4. toplantısı (ATAG-4), Eskişehir, Turkey, 16 - 17 November 2000
- LXXIV. **Dombayova grabeninin neotektonik özellikleri Neotectonic characteristics of Dombayova graben**
ÖZACAR A. A., KOÇYİĞİT A.
Batı Anadolu Deprem Sempozyumu (BADSEM), İzmir, Turkey, 24 - 27 May 2000, pp.175-183
- LXXV. **17 Augustos 1999 Golcuk-Arifiye depremi yuzey kirigi ve tektonik onemi**
Koçyiğit A., Bozkurt E., Cihan M., Özacar A. A., Teksöz B.
Aktif Tektonik Arastırma Grubu 3. toplantısı (ATAG-3), Sivas, Turkey, 3 - 04 November 1999, pp.0-1
- LXXVI. **Neotectonic Frame of Turkey a Special Emphasis on the 17 August 1999 Gölcük Arifiye Earthquake NE Marmara Turkey**
KOÇYİĞİT A., BOZKURT E., Cihan M., ÖZACAR A. A., Teksöz B.
International Conference on Earthquake Hazard and Risk in the Mediterranean Region, Lefkoşa, Cyprus (Kktc), 18 - 22 October 1999, pp.1-12

Other Publications

- I. **Seismological and Engineering Effects of the M 7.0 Samos Island (Aegean Sea) Earthquake, Chapter 1: Regional Tectonics and Seismic Source**
Kiratzi A., Özacar A. A., Papazachos C., Pınar A.
Technical Report, pp.1-61, 2020
- II. **THE OCTOBER 30, 2020 İZMİR-SEFERİHİSAR OFFSHORE (SAMOS) EARTHQUAKE (MW=6.6) RECONNAISSANCE OBSERVATIONS AND FINDINGS (REPORT NO: METU/EERC 2020-03), 2: Observations on İzmir Seferihisar Offshore (Samos) Earthquake and Active Tectonism**
Özacar A. A., Gülerce Z., Sopaçlı E., Askan Gündoğan A.

Technical Report, pp.3-7, 2020

III. **9 KASIM 2011 Mw 5.6 VAN-EDREMİT DEPREMİ SİSMİK ve YAPISAL HASARA İLİŞKİN GÖZLEMLER 1. BÖLÜM: SİSMOTEKTONİK ve KUVVETLİ YER HAREKETİ**

Akkar D. S., Özacar A. A., Kale Ö., Sandikkaya M. A.

Technical Report, pp.9-25, 2012

IV. **23 EKİM 2011 MW 7.2 VAN DEPREMİ SİSMİK ve YAPISAL HASARA İLİŞKİN SAHA GÖZLEMLERİ 1.BÖLÜM: SİSMOTEKTONİK, SAHA GÖZLEMLERİ ve KUVVETLİ YER HAREKETİ**

Özacar A. A., Kaymakci N., Akkar D. S., Azari A., Kale Ö., Sandikkaya M. A., Ay B. Ö.

Technical Report, pp.11-26, 2011

Supported Projects

YALÇINER A. C., ÖZACAR A. A., SÜZEN M. L., Basılı R., YÜCEMEN M. S., PEKCAN O., GÜLERCE Z., Babeyko A., OKAY H. B., TUBITAK Project, Ege Denizinde Sismik Etkilerle Tsunami Oluşum ve Kıyılardaki Etkilerinin Olasılıksal Analizi, Çevrimiçi Etkileşimli Olasılıksal Tsunami Bilgi Sistemi, 2021 - 2024

Bozkurt E., Yalçiner A. C., Süzen M. L., Rojay F. B., Topal T., Toksoy Köksal F., Avşar U., Özacar A. A., Gülerce Z., Ince Özkan M. D., et al., Municipality, İzmir İli Depremsellik Araştırması ve Bayraklı, Bornova ve Konak İlçe Sınırları İçerisindeki Yaklaşık 10802 Hektarlık Alanın Zemin Yapısı İle Zemin Davranış Özelliklerinin Modellenmesi, 2021 - 2024

Uzel B., Kaymakci N., Özacar A. A., Özkaptan M., Langereis C. G., Sümer Ö., Koralay O. E., TUBITAK Project, İzmir-Balıkesir Transfer Zonu ile Kuzey Anadolu Fay Zonu'nun Jeodinamik İlişkisi, 2018 - 2022

ÖZACAR A. A., TUBITAK Project, Dinamik Ve Statik Değişimlerin Deprem Tetiklemesine Etkisinin Farklı Sürtünme Yasaları Kullanarak İncelenmesi Ve Gerçek Durum Simülasyonları (Düzce, Marmara, Elazığ), 2020 - 2021

Özacar A. A., Yalçiner A. C., Süzen M. L., Technopark, Düşük eğimli, sığ kıyı alanlarında CBS kullanarak deniz kaynaklı tehlikelerin azaltılması için metod geliştirilmesi ve Suudi Arabistan nükleer santral aday bölgelerine uygulanması, 2019 - 2020

Koç A., Özacar A. A., Özdemir A., TUBITAK Project, Köprüçay-Manavgat havzasının Neojen evriminin çok disiplinli yöntemler kullanılarak test edilmesi, 2018 - 2020

Rojay F. B., Kaymakci N., Özacar A. A., Whitney D., National Research Fund Supported Project, Collaborative Research Continental Dynamics Central Anatolian Tectonics CD CAT Surface to Mantle dynamics during collision to escape NSF 1109826 11099336 1109762 1109699 1109703, 2011 - 2019

Kaymakci N., Özacar A. A., Sözbilir H., TUBITAK Project, Güney Batı Anadolunun Aktif Tektoniği ve Geç Senezoyik Evrimi Project No ÇAYDAG 111Y239, 2012 - 2015

Özacar A. A., Yüce G., TÜBİTAK - AB COST Project, Determination of fault activity and geothermal origin by soil and groundwater degassing The extension of Dead Sea Fault Zone DSFZ in the Amik Basin Hatay and its relation with Karasu Fault Zone and origin of thermal waters in Amik Basin Project No 111Y090 COST Action ES1301, 2012 - 2015

ERCİYAS D. B., SÜZEN M. L., ÖZACAR A. A., Project Supported by Higher Education Institutions, Komana Arkeolojik Araştırmaları, Uzaktan Algılama Uygulamaları Ve Malzeme Analizi, 2012 - 2014

Özacar A. A., Süzen M. L., Kaymakci N., Project Supported by Other Private Institutions, Uzaktan Algılama Jeoloji ve Jeofizik Veri Setlerinin Coğrafi Bilgi Sistemleri ile Entegrasyonu ve 2 3 Boyutlu Jeolojik Modellerin Oluşturulması, 2012 - 2013

Özacar A. A., Zandt G., National Research Fund Supported Project, Collaborative Research: Using Mineral Physics to Interpret Seismic Anisotropy of the Basin and Range Crust, 2008 - 2012

ÖZACAR A. A., Other International Funding Programs, Continental Lithospheric Deformation Along a Major Strike Slip Fault Zone The Central North Anatolian Fault Zone Turkey NSF EAR0309838, 2003 - 2009

Zandt G., National Research Fund Supported Project, Crustal Anisotropy and Mantle Stratigraphy in the Tibetan Plateau and Central Andes NSF EAR0125121, 2002 - 2005

Activities in Scientific Journals

Journal Of Geodynamics, Committee Member, 2011 - Continues

Scientific Refereeing

JOURNAL OF GEODYNAMICS, Journal Indexed in SCI-E, December 2022

Acta Geophysica, Journal Indexed in SCI-E, August 2022

TECTONOPHYSICS INTERNATIONAL JOURNAL OF GEOTECTONICS AND THE GEOLOGY AND PHYSICS OF THE INTERIOR OF THE EARTH, SCI Journal, May 2022

Journal of Asian Earth Sciences: X, Journal Indexed in SCI-E, January 2022

JOURNAL OF GEODYNAMICS, Journal Indexed in SCI-E, January 2022

JOURNAL OF SEISMOLOGY, SCI Journal, March 2021

Metrics

Publication: 115

Citation (WoS): 1105

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H-Index (WoS): 18

H-Index (Scopus): 18