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Personal Information

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International Researcher IDs

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ScopusID: 55571479400

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Education Information

Doctorate, Universiteit Gent, Faculty of Science, Geology, Belgium 2006 - 2013

Postgraduate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Jeoloji Mühendisliği (YI) (Tezli), Turkey 2003 - 2006

Undergraduate, Middle East Technical University, Faculty of Engineering, Department of Geological Engineering, Turkey 1998 - 2003

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Lacustrine paleoseismic records from the North Anatolian Fault, Turkey, Universiteit Gent, Faculty Of Science, Geology, 2013

Postgraduate, Evaluation of alluvial deposits in gemlik basin in terms of earthquake codes, Middle East Technical University, Graduate School of Natural and Applied Sciences, Jeoloji Mühendisliği (YI) (Tezli), 2006

Research Areas

Geological Engineering, Geology, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Middle East Technical University, Faculty of Engineering, Department of Geological Engineering, 2021 - Continues

Assistant Professor, Middle East Technical University, Faculty of Engineering, Department of Geological Engineering, 2018 - 2021

Assistant Professor, Middle East Technical University, Faculty of Engineering, Department of Geological Engineering, 2017 - 2018

Academic and Administrative Experience

Uygulama ve Araştırma Merkezi Yönetim Kurulu Üyesi, Middle East Technical University, Faculty of Engineering, Department of Geological Engineering, 2021 - Continues

Courses

FIELD GEOLOGY, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018

PRINCIPLES OF STRUCTURAL GEOLOGY, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

FIELD GEOLOGICAL MAPPING, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018

GENERAL GEOLOGY, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018

GEOLOGY FOR CIVIL ENGINEERING, Undergraduate, 2022 - 2023, 2020 - 2021, 2019 - 2020, 2018 - 2019

MAPWORK, Undergraduate, 2021 - 2022

PHYSICAL GEOLOGY, Undergraduate, 2021 - 2022

Advising Theses

Avşar U., Geoarchaeological Traces of Climatic Changes in Amuq Valley during Holocene, Doctorate, Z.BEKTAŞ(Student), Continues

Avşar U., Subaqueous Paleoseismological Investigation in the Varved Sediments of Köyceğiz Lake (SW Anatolia), Postgraduate, A.Doğan(Student), 2023

Akar M., Avşar U., Açıca ve Toprakhisar Höyükleri (Hatay) Kerpiçlerinin Jeokimyasal Analizleri Kapsamında M.Ö 3. Bin Yılda 1. Bin Yıla İklimsel ve Tercihsel Değişimlerin Olası İzleri, Postgraduate, O.Hasan(Student), 2022

Avşar U., Paleoclimate Reconstruction from Varved Sediments in Köyceğiz Lake, Southwest Anatolia, Postgraduate, Ö.KARADAŞ(Student), 2022

Avşar U., Paleotsunami Investigation in Sediments of Demre Lagoon (Eastern Mediterranean), Postgraduate, S.Şen(Student), 2022

Toksoy Köksal F., Avşar U., Statistical Interpretation of the Relation between ICP-OES/MS Geochemical and Mineralogical Data Obtained from Lake and Floodplain Sediments (Amuq Valley / SE Turkey), Postgraduate, D.Aykasım(Student), 2022

Avşar U., Late Holocene Seismo-Turbidite Investigation in the Sediments of Gulf of Aqaba, Postgraduate, Z.Bektaş(Student), 2021

Avşar U., Geochemical Traces of Historical Eastern Mediterranean Tsunamis in the Sediments of Ölüdeniz Lagoon, SW Turkey, Postgraduate, M.TOYGAR(Student), 2020

Kaymakçı N., Avşar U., Active Tectonics and Kinematics of Fethiye-Göcek Bay, Postgraduate, L.Tosun(Student), 2018

Published journal articles indexed by SCI, SSCI, and AHCI

I. Evidence for Holocene Earthquakes along the Húsavík-Flatey Fault in North Iceland: Implications for the Seismic Behavior of Oceanic Transform Faults

Matrau R., Klínger Y., Thorðarson T., Guðmundsdóttir E. R., Avşar U., Parisi L., Fittipaldi M., Jónsson S. SEISMOLOGICAL SOCIETY OF AMERICA. BULLETIN, vol.114, pp.1-28, 2024 (SCI-Expanded)

II. Seismo-turbidites reveal locations of major earthquakes during the past millennium in the Gulf of Aqaba, southern Dead Sea Fault

BEKTAŞ Z., AVŞAR U., Ribot M., Klínger Y., Jónsson S.

Earth and Planetary Science Letters, vol.629, 2024 (SCI-Expanded)

- III. **Assessment of trace metal pollution in the coastal sediments of Fethiye-Go spacing diaeresis cek Bay (SW Turkey) and evaluation of pollution sources**
Gulsen-Rothmund H. I., ARSLAN Ş., Kurtulus B., Tunca E., AVŞAR U., Avsar O.
MARINE POLLUTION BULLETIN, vol.186, 2023 (SCI-Expanded)
- IV. **Active Faults' Geometry in the Gulf of Aqaba, Southern Dead Sea Fault, Illuminated by Multibeam Bathymetric Data**
Ribot M., Klinger Y., Jónsson S., AVŞAR U., Pons-Branchu E., Matrau R., Mallon F. L.
Tectonics, vol.40, no.4, 2021 (SCI-Expanded)
- V. **Active tectonics and kinematics of Fethiye-Göcek Bay, SW Turkey: Insight about the eastern edge of Pliny-Strabo Trenches**
TOSUN L., AVŞAR U., Avşar Ö., Dondurur D., KAYMAKCI N.
Journal of Structural Geology, vol.145, 2021 (SCI-Expanded)
- VI. **Evaluation of ecological changes in lake hazar (Elazig, Turkey) using diatom-based paleolimnological techniques**
Maraslioglu F., Soylu E. N., AVŞAR U., Hubert-Ferrari A.
Fresenius Environmental Bulletin, vol.29, no.12, pp.11129-11135, 2020 (SCI-Expanded)
- VII. **A 3800 yr paleoseismic record (Lake Hazar sediments, eastern Turkey): Implications for the East Anatolian Fault seismic cycle**
Hubert-Ferrari A., Lamair L., Hage S., Schmidt S., Cagatay M. N., AVŞAR U.
EARTH AND PLANETARY SCIENCE LETTERS, vol.538, 2020 (SCI-Expanded)
- VIII. **Evaluating the thermal stratification of Koycegiz Lake (SW Turkey) using in-situ and remote sensing observations**
Kurtulus T., Kurtulus B., Avsar O., AVŞAR U.
JOURNAL OF AFRICAN EARTH SCIENCES, vol.158, 2019 (SCI-Expanded)
- IX. **Sedimentary geochemical evidence of historical tsunamis in the Eastern Mediterranean from oludeniz Lagoon, SW Turkey**
Avsar U.
JOURNAL OF PALEOLIMNOLOGY, vol.61, pp.373-385, 2019 (SCI-Expanded)
- X. **Spatial distribution of some elements and elemental contamination in the sediments of Koycegiz Lake (SW Turkey)**
Gulsen-Rothmund H. I., Avsar O., Avşar U., Kurtulus B., Tunca E.
ENVIRONMENTAL EARTH SCIENCES, vol.77, 2018 (SCI-Expanded)
- XI. **Flow dynamics at the origin of thin clayey sand lacustrine turbidites: Examples from Lake Hazar, Turkey**
Hage S., Hubert-Ferrari A., Lamair L., Avsar U., El Ouahabi M., Van Daele M., Boulvain F., Bahri M. A., Seret A., Plenevaux A.
SEDIMENTOLOGY, vol.64, pp.1929-1956, 2017 (SCI-Expanded)
- XII. **Subaqueous hot springs in Koycegiz Lake, Dalyan Channel and Fethiye-Gocek Bay (SW Turkey): Locations, chemistry and origins**
Avsar O., Avsar U., Arslan S., Kurtulus B., Niedermann S., Gulec N. T.
JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH, vol.345, pp.81-97, 2017 (SCI-Expanded)
- XIII. **Earthquake imprints on a lacustrine deltaic system: The Kurk Delta along the East Anatolian Fault (Turkey)**
Hubert-Ferrari A., El-Ouahabi M., Garcia-Moreno D., Avsar U., Altinok S., Schmidt S., Fagel N., Cagatay M. N.
SEDIMENTOLOGY, vol.64, pp.1322-1353, 2017 (SCI-Expanded)
- XIV. **Earthquake-induced soft-sediment deformations and seismically amplified erosion rates recorded in varved sediments of Koycegiz Lake (SW Turkey)**
Avsar U., Jonsson S., Avsar O., Schmidt S.
JOURNAL OF GEOPHYSICAL RESEARCH-SOLID EARTH, vol.121, pp.4767-4779, 2016 (SCI-Expanded)
- XV. **Sedimentary records of past earthquakes in Boraboy Lake during the last ca 600 years (North**

Anatolian Fault, Turkey)

Avsar U., Hubert-Ferrari A., De Batist M., Schmidt S., Fagel N.

PALAEOGEOGRAPHY PALAEOCLIMATOLOGY PALAEOECOLOGY, vol.433, pp.1-9, 2015 (SCI-Expanded)

- XVI. **Seismically-triggered organic-rich layers in recent sediments from Gollukoy Lake (North Anatolian Fault, Turkey)**
Avsar U., Hubert-Ferrari A., De Batist M., Lepoint G., Schmidt S., Fagel N.
QUATERNARY SCIENCE REVIEWS, vol.103, pp.67-80, 2014 (SCI-Expanded)
- XVII. **A 3400 year lacustrine paleoseismic record from the North Anatolian Fault, Turkey: Implications for bimodal recurrence behavior**
Avsar U., Hubert-Ferrari A., De Batist M., Fagel N.
GEOPHYSICAL RESEARCH LETTERS, vol.41, pp.377-384, 2014 (SCI-Expanded)
- XVIII. **A 3000-year record of surface-rupturing earthquakes at Gunalan: variable fault-rupture lengths along the 1939 Erzincan earthquake-rupture segment of the North Anatolian Fault, Turkey**
Fraser J. G., Hubert-Ferrari A., Verbeeck K., Garcia-Moreno D., Avsar U., Maricq N., Coudijzer A., Vlamynck N., Vanneste K.
ANNALS OF GEOPHYSICS, vol.55, pp.895-927, 2012 (SCI-Expanded)
- XIX. **Paleoseismic record obtained by coring a sag-pond along the North Anatolian Fault (Turkey)**
Hubert-Ferrari A., Avsar U., El Ouahabi M., Lepoint G., Martinez P., Fagel N.
ANNALS OF GEOPHYSICS, vol.55, pp.929-953, 2012 (SCI-Expanded)
- XX. **Structure and recent evolution of the Hazar Basin: a strike-slip basin on the East Anatolian Fault, Eastern Turkey**
Moreno D. G., Hubert-Ferrari A., Moernaut J., Fraser J. G., Boes X., Van Daele M., Avsar U., Cagatay N., De Batist M.
BASIN RESEARCH, vol.23, pp.191-207, 2011 (SCI-Expanded)
- XXI. **A 3000-Year Record of Ground-Rupturing Earthquakes along the Central North Anatolian Fault near Lake Ladik, Turkey**
Fraser J., Pigati J. S., Hubert-Ferrari A., Vanneste K., Avsar U., Altinok S.
BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA, vol.99, pp.2681-2703, 2009 (SCI-Expanded)

Articles Published in Other Journals

- I. **The Destructive Earthquake Doublet of 6 February 2023 in South-Central Türkiye and Northwestern Syria: Initial Observations and Analyses**
Mai P. M., Aspiotis T., Aquib T. A., Cano E. V., Castro-Cruz D., Espindola-Carmona A., Li B., Li X., Liu J., Matrau R., et al.
The Seismic Record, vol.3, no.2, pp.105-115, 2023 (Scopus)
- II. **A Paleolimnological Approach to Understand Regime-Shift Dynamics in Ladik Lake (North Turkey)**
Maraşlıoğlu F., Soylu E. N., Avşar U., Hubert-Ferrari A.
APPLIED ECOLOGY AND ENVIRONMENTAL RESEARCH, vol.21, no.1, pp.637-650, 2023 (Peer-Reviewed Journal)
- III. **Sedimentary Traces of Tsunamis in the Aegean Sea During the Last 1500 Years, (Karine Lagoon, W Turkey)**
AVŞAR U.
TURKIYE JEOLOJİ BULTENİ-GEOLOGICAL BULLETIN OF TURKEY, vol.62, no.3, pp.199-220, 2019 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **Interdisciplinary Earthquake Hazard Research in Gulf of Aqaba**
Jonsson S., AVŞAR U., BEKTAŞ Z., Castro Perdomo N., Gabriel A., Hanafy S., Klinger Y., Lefevre M., Martin M., Masson F., et al.
European Geosciences Union - General Assembly, 7 - 12 April 2019
- II. **Seismoturbidites in the Gulf of Aqaba during the past 500 years**

BEKTAŞ Z., AVŞAR U., Jonsson S., Klinger Y.

European Geosciences Union - General Assembly, 7 - 12 April 2019

- III. **Doğu Anadolu Fayı'nın Sismik Döngüleri ve Sismik-Asismik Davranışı ile ilgili sorunlar**
Hubert-Ferrari A., Lamair L., Hage S., Çağatay N., AVŞAR U.
72. Türkiye Jeoloji Kurultayı, 28 January - 01 February 2019, pp.482-483
- IV. **Geoarchaeological Investigations in the Amuq Valley of Hatay: Sediment Coring Project in the Environs of Tell Atchana**
AVŞAR U., AKAR M., PEARSON C.
72. Türkiye Jeoloji Kurultayı, 28 January - 01 February 2019
- V. **Palaeoenvironment and human interaction during the last 4k years in the dried lake sediments (amik lake, southern turkey): evidences of lake level changes**
El Ouahabi M., Hubert-Ferrari A., Auwera V., AVŞAR U., KARABACAK V.
72. Türkiye Jeoloji Kurultayı, 28 January - 01 February 2019
- VI. **Responses of the Planktonic Foraminifera to Environmental Conditions Across the Cretaceous/Paleogene Boundary Interval in the Göynük Basin, Northwest Anatolia, Turkey**
ÖZDER R., ÖZKAN ALTINER S., TOKSOY KÖKSAL F., AVŞAR U.
72nd Geological Congress of Turkey with International Participation, 28 January - 01 February 2019, pp.536-537
- VII. **Gulf of Aqaba: A new structural model from high resolution multibeam bathymetric data**
Ribot M., Klinger Y., Jonsson S., AVŞAR U., Pons Branchu E., Matrau R.
AGU Fall Meeting, 10 - 14 December 2018
- VIII. **Distribution of Mollusc Fauna in Surface Sediments from Fethiye-Göcek Gulf, Lake Köyceğiz and Dalyan Canal**
BİLTEKİN D., AVŞAR Ö., AVŞAR U., TUNCA E., SÖZER A.
International Technological Sciences and Design Symposium, Giresun, Turkey, 27 - 29 June 2018
- IX. **Monitoring sea/depth surface temperature using Landsat thermal data and in-situ measurement in Fethiye-Göcek Bay, Turkey**
GÜRCAN T., KURTULUŞ B., AVŞAR Ö., AVŞAR U.
International Symposium on Sustainable Aviation (ISSA-2018), Roma, Italy, 9 - 11 July 2018
- X. **Monitoring sea/depth surface temperature using Landsat thermal data and in-situ measurement in Fethiye-Göcek Bay, Turkey**
Gürcan T., KURTULUŞ B., AVŞAR Ö., AVŞAR U.
International Symposium on Sustainable Aviation, 9 - 11 July 2018
- XI. **FETHİYE-GÖCEK KÖRFEZİ, KÖYCEĞİZ GÖLÜ VE DALYAN KANALI YÜZEY ÇÖKEL ÖRNEKLERİNİN PALEONTOLOJİK YÖNDEN ARAŞTIRILMASI**
BİLTEKİN D., AVŞAR Ö., AVŞAR U., TUNCA E., SÖZER A.
71. Türkiye Jeoloji Kurultayı, 23 - 27 April 2018
- XII. **EASTMED-PALEOTSUNAMI PROJESİ İLKSEL SONUÇLARI: ÖLÜDENİZ LAGÜNÜ (FETHİYE) PALEOTSUNAMI KAYITLARI**
AVŞAR U., BOZKURT E., TOKAY B.
71. Türkiye Jeoloji Kurultayı, 23 - 27 April 2018
- XIII. **SİSMİK YORUMLAMA VE PALEOSTRES VERİLERİNE DAYANILARAK FETHİYE-GÖCEK KÖRFEZİ'NİN AKTİF TEKTONİĞİ VE KİNEMATİĞİ**
TOSUN L., AVŞAR U., AVŞAR Ö., DONDURUR D., KAYMAKCI N.
71. Türkiye Jeoloji Kurultayı, Ankara, Turkey, 23 - 27 April 2018
- XIV. **Preliminary Results from Eastmed-Paleotsunami Project: Paleotsunami Records of Ölüdeniz Lagoon (Fethiye)**
AVŞAR U., BOZKURT E., TOKAY B.
71. Türkiye Jeoloji Kurultayı, Ankara, Turkey, 23 - 27 April 2018
- XV. **Heavy Metal Contamination Analysis of Bottom Sediments of Köyceğiz Lake and Fethiye - Göcek Bay, SW Turkey**
GÜLŞEN ROTHMUND H. İ., AVŞAR Ö., AVŞAR U., KURTULUŞ B., TUNCA E.

European Geosciences Union General Assembly 2018, Viyana, Austria, 8 - 13 April 2018

- XVI. **Heavy Metal Contamination Analysis of Bottom Sediments of Köycegiz Lake and Fethiye-Göcek Bay, SW Turkey**
Gülşen Rothmund H., AVŞAR Ö., AVŞAR U., KURTULUŞ B., TUNCA E.
European Geosciences Union - General Assembly, 8 - 13 April 2018
- XVII. **Sedimentary Paleotsunami Records from the Lagoons along the Southern Coasts of Turkey**
AVŞAR U., BOZKURT E., TOKAY B.
EGU 2018, Viyana, Austria, 8 - 13 April 2018
- XVIII. **Fethiye Körfezi ve Civarının Aktif Tektoniği ve Kinematığı**
TOSUN L., AVŞAR U., AVŞAR Ö., DONDURUR D., KAYMAKCI N.
Aktif Tektonik Araştırma Grubu 21. Çalıştayı, Afyon, Turkey, 26 - 28 October 2017
- XIX. **A 3000 yr Paleoseismological History of the Central East Anatolian Fault (Turkey) Based on Sedimentary Record of Hazar Lake**
LAMAIR L., HUBERT-FERRARİ A., HAGE S., AVŞAR U., SCHMİDT S., ÇAĞATAY N.
International Meeting of Sedimentology, 10 - 12 October 2017
- XX. **Gas geochemistry studies in geothermal and mineral waters of Mugla (SW Turkey)**
ARSLAN Ş., NİEDERMANN S., AVŞAR Ö., AVŞAR U.
44th Annual Congress of the International Association of Hydrogeologists (IAH), Dubrovnik, Croatia, 25 - 29 September 2017, pp.431
- XXI. **Gas geochemistry studies in geothermal and mineral waters of Muğla (SW Turkey)**
ARSLAN Ş., Neidermann S., AVŞAR Ö., AVŞAR U.
44th Annual Congress of the International Association of Hydrogeologists, 25 - 29 September 2017
- XXII. **3D Thermal Stratification of Köycegiz Lake, Turkey**
GÜRCAN T., KURTULUŞ B., AVŞAR Ö., AVŞAR U.
European Geoscience Union 2017 Assembly, Viyana, Austria, 23 - 28 April 2017
- XXIII. **3D Thermal Stratification of Koycegiz Lake, Turkey**
Gürcan T., KURTULUŞ B., AVŞAR Ö., AVŞAR U.
European Geosciences Union - General Assembly, 23 - 28 April 2017
- XXIV. **Earthquake imprints on a lacustrine deltaic system: Example of the Kürk Delta along the East Anatolian Fault (Turkey)**
Hubert-Ferrari A., El Ouahabi M., Garcia Moreno D., AVŞAR U., Altınok S., Fagel N., Çağatay N.
European Geosciences Union 2017 Assembly, 23 - 28 April 2017
- XXV. **Çınarcık Havzası ve Yakın Civarının Yerbilimsel Açından İncelenmesi: Tektonik ve Paleoklimsel Özellikler , Doğu Marmara**
ARI Z., GÜRBOĞA Ş., AVŞAR U., KORKMAZ T., ÖZSOY H. R., KIRAT U. Z., SERKAN P., AYLAN E., BAŞER O. E., ÖZBEK E., et al.
70. Türkiye Jeoloji Kurultayı, 10 - 14 April 2017
- XXVI. **Güney Ege ve Levant denizlerinde bir paleotsunami kronolojisine doğru: EASTMED PALEOTSUNAMI Projesi**
AVŞAR U., BOZKURT E., AVŞAR Ö., TOKAY B.
Aktif Tektonik Araştırma Grubu (ATAG) 20, Turkey, 13 - 15 October 2016
- XXVII. **Towards a paleotsunami chronology in the southern Aegean and Levantine seas, Eastern Mediterranean: EASTMED-PALEOTSUNAMI**
AVŞAR U., BOZKURT E., AVŞAR Ö., TOKAY B.
20. Aktif Tektonik Araştırma Grubu Çalıştayı, Denizli, Turkey, 13 - 15 October 2016
- XXVIII. **Noble gas isotopes and gas compositions of on land and subaqueous thermal springs in the Koycegiz Lake and Dalaman plain area Turkey**
ARSLAN S., GÜLEÇ N. T., KURTULUŞ B., AVŞAR U., NIEDERMANN S., AVŞAR Ö.
3rd IAH Congress Groundwater and society: 60 years of IAH, Montpellier, France, 25 - 29 September 2016
- XXIX. **Fault trenching and geologic slip rates of the Húsavík-Flatey Fault, North Iceland**
Harrington J., AVŞAR U., Klinger Y., Jonsson S., Gudmundsdottir E.

- International Workshop on Earthquakes in North Iceland, 31 May - 03 June 2016, pp.24-26
- XXX. **A 2500 year paleoseismic record of the Húsavík-Flatey Fault inferred from the sediments of Botnsvatn Lake (North Iceland)**
AVŞAR U., Jonsson S., Geirsdttir A., Thordarson T.
International Workshop on Earthquakes in North Iceland, 31 May - 03 June 2016, pp.21-23
- XXXI. **Fethiye-Göcek Körfezindeki Sualtı Hidrotermal Aktivitenin Sedimanlar Üzerindeki Jeokimyasal İzleri**
AVŞAR U., AVŞAR Ö., Ankut Z., ARSLAN Ş., KURTULUŞ B., GÜLEÇ N. T.
III. Geothermal Resources Symposium, Turkey, 4 - 06 November 2015, pp.323-332
- XXXII. **Paleoseismological record of the Hazar Lake along the East Anatolian Fault (Turkey)**
Hubert-Ferrari A., Lamair L., Hage S., AVŞAR U., El Ouahabi M., Çağatay N.
XIXth International Union for Quaternary Research (INQUA) Congress, 27 July - 02 August 2015
- XXXIII. **A 3000 yr history of earthquakes recorded in Hazar Lake potentially related to ruptures along the East Anatolian Fault (Turkey)**
Lamair L., Hage S., Hubert-Ferrari A., AVŞAR U., El Ouahabi M., Çağatay N., Boulvain F.
6th International Union for Quaternary Research (INQUA), 19 - 24 April 2015, pp.262-264
- XXXIV. **Köyceğiz Gölü Tabanındaki Çökellerin Jeokimyasal Özelliklerinin Alansal Dağılımının İncelenmesi ve Sualtı Jeotermal Kaynakların Bu Özelliklere Etkisi**
Ankut Z., AVŞAR U., AVŞAR Ö., KURTULUŞ B., ARSLAN Ş., GÜLEÇ N. T.
68. Türkiye Jeoloji Kurultayı, Turkey, 6 - 10 April 2015
- XXXV. **Paleoseismic trenching, slip-rates and kinematics of a high-angle rift-transform junction, Húsavík, Iceland**
Harrington J., Jonsson S., AVŞAR U., Klinger Y.
American Geophysical Union - Fall Meeting, 14 - 19 December 2014
- XXXVI. **Examples of Subaqueous Paleoseismological Techniques from Turkey and Iceland: With Special Emphasis on the Importance of Constructing Precise Sediment Chronologies**
AVŞAR U., Hubert-Ferrari A., Jonsson S., De Batist M., Fagel N., Geirsdttir A., Thordarson T., Miller G.
American Geophysical Union - Fall Meeting, 15 - 19 December 2014
- XXXVII. **Sedimentary Records of Past Earthquakes during the Last 2400 Years in Botnsvatn Lake on the Húsavík-Flatey Fault, North Iceland**
AVŞAR U., Jonsson S., Geirsdttir A., Thordarson T., Miller G.
American Geophysical Union - Fall Meeting, 15 - 19 December 2014
- XXXVIII. **Varved lake sediments from SW Anatolia (Köyceğiz Lake): paleoclimatic reconstructions and sedimentary earthquake record for the last 400 years**
AVŞAR U., AVŞAR Ö., Schmidt S., Jonsson S.
8th International Symposium on Eastern Mediterranean Geology, 13 - 17 October 2014
- XXXIX. **Discovery of a subaqueous hot spring by a new method in Fethiye-Göcek Bay (SW Turkey)**
AVŞAR Ö., AVŞAR U., ARSLAN Ş., KURTULUŞ B., GÜLEÇ N. T.
8th International Symposium on Eastern Mediterranean Geology, 13 - 17 October 2014
- XL. **Understanding of the diversity of earthquake turbiditic flows in a single lake: the case of the Lake Hazar on the East Anatolian Fault**
Lamair L., Hage S., Hubert-Ferrari A., AVŞAR U., Garcia Moreno D., Boulvain F., Çağatay N.
19th International Sedimentology Congress, 12 - 18 August 2014
- XLI. **Subaqueous hot springs in Köyceğiz Lake and Dalyan Channel (SW Turkey)**
AVŞAR Ö., AVŞAR U., KURTULUŞ B., ARSLAN Ş., GÜLEÇ N. T.
European Geosciences Union - General Assembly, 27 April - 02 May 2014
- XLII. **Paleoseismic evidence for pre-historic earthquakes in the sedimentary record of Botnsvatn Lake on the Húsavík-Flatey Fault, North Iceland**
AVŞAR U., Jonsson S., Geirsdttir A., Miller G.
European Geosciences Union - General Assembly, 27 April - 02 May 2014
- XLIII. **A semi-quantitative method to estimate organic matter content of lake sediments using ITRAX micro-XRF core scanner data**

AVŞAR U., Hubert-Ferrari A., Jonsson S., De Batist M., Fagel N., Geirsdttir A., Miller G.

European Geosciences Union - General Assembly, 27 April - 02 May 2014

- XLIV. **Potential use of river suspended-sediment observations to evaluate the effects of seismic shaking on sediment yield**
AVŞAR U.
European Geosciences Union - General Assembly, 27 April - 02 May 2014
- XLV. **Göl paleosismolojisi: İki farklı transform fay zonundan örnekler, Kuzey Anadolu Fayı (Türkiye) ve Húsavík-Flatey Fayı (İzlanda)**
AVŞAR U., Hubert-Ferrari A., Jonsson S., De Batist M., Fagel N., Geirsdttir A., Miller G.
67. Türkiye Jeoloji Kurultayı, Turkey, 14 - 18 April 2014
- XLVI. **Contribution of subaqueous paleoseismology to paleoseismic datasets: Examples from the Euro-Mediterranean Region**
AVŞAR U.
9th Alexander von Humboldt International Conference, 24 - 28 March 2014
- XLVII. **Management Issues of Köyceğiz-Dalyan SPA (Turkey)**
Özhan E., AVŞAR U., Tüfekçi N., Özuslu S., Önder S., Konaklı D., Kan N.
Global Congress on ICM: Lessons Learned to Address New Challenges (EMECS 10 - MEDCOAST 2013), 30 October - 03 November 2013, pp.71-80
- XLVIII. **Monitoring of Boat Navigation in the Dalyan Channel**
Tüfekçi N., AVŞAR U., Özhan E.
Global Congress on ICM: Lessons Learned to Address New Challenges (EMECS 10 - MEDCOAST 2013), 30 October - 03 November 2013, pp.81-92
- XLIX. **Seeking information on pre-historic earthquakes near Húsavík in Lake Sediment Cores from Botnsvatn and Hoskuldsvatn**
AVŞAR U., Jonsson S., Geirsdttir A., Miller G.
International Workshop on Earthquakes in North Iceland, 6 - 08 June 2013, pp.39-41
- L. **Determination of spatial distribution and hydrochemistry of subaqueous thermal springs in the lacustrine and nearshore environments in southwest Anatolia**
AVŞAR Ö., KURTULUŞ B., AVŞAR U., ARSLAN Ş., GÜLEÇ N. T.
European Geosciences Union - General Assembly, 7 - 12 April 2013
- LI. **Sedimentary records of earthquake-induced increase in sediment influx from lake catchments**
AVŞAR U., Hubert-Ferrari A., De Batist M., Fagel N.
European Geosciences Union - General Assembly, 7 - 12 April 2013
- LII. **Babadağ Formasyonu (Jura-Kretase) Çörtlü Kireçtaşları ve Kalsitürbiditlerinin Litolojik Özellikleri (Tavas Napı, Ortaca-Muğla, GB Türkiye)**
GÜL M., AKSOY M. E., AKÇER ÖN S., AVŞAR Ö., AVŞAR U.
67. Türkiye Jeoloji Kurultayı, Turkey, 1 - 05 April 2013
- LIII. **Lacustrine paleoseismic records from the North Anatolian Fault**
AVŞAR U., Hubert-Ferrari A., De Batist M., Fagel N.
Paleoseismology along the North Anatolian Fault (PANAF) Meeting, 8 - 10 October 2012
- LIV. **An Integrated History of Paleoeearthquakes along the North Anatolian Fault (Turkey)**
Hubert-Ferrari A., Fraser J., Vanneste K., AVŞAR U.
Geological Society of America Global Meeting: Tectonic Crossroads-Evolving Orogens of Eurasia-Africa-Arabia, 4 - 08 October 2010
- LV. **Sedimentological Fingerprints of Paleoseismic Activity Revealed from Lake Sediments: A Case Study from the North Anatolian Fault (NAF), Turkey**
AVŞAR U., Hubert-Ferrari A., Fagel N., De Batist M., Schmidt S., Piotrowska N., De Vleeschouwer F.
Geological Society of America Global Meeting: Tectonic Crossroads-Evolving Orogens of Eurasia-Africa-Arabia, 4 - 08 October 2010
- LVI. **Paleolimnological and Sedimentological Traces of the 1943 (Ms=7.3) Earthquake in the sediments of Ladik Lake, Samsun/Turkey**

- AVŞAR U., Hubert-Ferrari A., Fagel N., Boes X., Schmidt S.
European Geosciences Union - General Assembly, 19 - 24 April 2009
- LVII. The Earthquake Sedimentary record of The Lake Hazar along the East Anatolian Fault in Turkey**
Boes X., Hubert-Ferrari A., Garcia Moreno D., AVŞAR U., damcı e., Çağatay N., Moernaut J., De Batist M.
European Geosciences Union - General Assembly, 19 - 24 April 2009
- LVIII. Structure of the East Anatolian Fault zone at the Hazar Basin, Eastern Turkey**
Garcia Moreno D., Hubert-Ferrari A., Moernaut J., Fraser J., Boes X., AVŞAR U., Van Daele M., Damcı E., Çağatay N., De Batist M.
EUROSEIS workshop 2008: Seismicity Patterns in the Euro- Med Region, 17 - 19 November 2008, pp.69-74
- LIX. Lake Hazar: a potential high-resolution 150 ka record of climate and tectonic interactions in Anatolia**
Boes X., Moernaut J., AVŞAR U., Çağatay N., Hubert-Ferrari A.
American Geophysical Union - Fall Meeting, 15 - 19 December 2008
- LX. Sedimentological Fingerprints of Recent Earthquakes in Lake Sediments: A Case Study on the North Anatolian Fault (NAF), Turkey**
AVŞAR U., Boes X., Hubert-Ferrari A., Fagel N., Schmidt S.
American Geophysical Union - Fall Meeting, 15 - 19 December 2008
- LXI. Defining Additional Stratigraphy in Paleoseismic Trenches by 2D Logging of Magnetic Susceptibility. A Paleoseismic Investigation Near Lake Ladik, North Anatolian Fault, Turkey**
Fraser J., Hubert-Ferrari A., Vanneste K., AVŞAR U., Altnok S.
American Geophysical Union - Fall Meeting, 15 - 19 December 2008
- LXII. Traces of the last earthquake sequence (1939-1944) along NAF from lacustrine sediments**
AVŞAR U., Boes X., Hubert-Ferrari A., Fagel N., king J.
European Geosciences Union - General Assembly, 13 - 18 April 2008
- LXIII. Radionuclide profiles and recent earthquakes history of Lake Hazar Pull-apart basin (East Anatolian Fault, Turkey)**
Boes X., Moran B., Roger K., AVŞAR U., Moernaut J., king J., Çağatay N., Hubert-Ferrari A.
European Geosciences Union - General Assembly, 13 - 18 April 2008
- LXIV. A 3000 year chronology of North Anatolian Fault ruptures, utilizing magnetic susceptibility trench logging, near Lake Ladik, Turkey**
Fraser J., Pigati J., Hubert-Ferrari A., Vanneste K., AVŞAR U., Altnok S.
European Geosciences Union - General Assembly, 13 - 18 April 2008
- LXV. Understanding the irregularity of Seismic cycles: A Case study in Turkey - A Marie Curie Excellence Team Project**
Hubert-Ferrari A., Boes X., Fraser J., AVŞAR U., Vanneste K., Çağatay N., ALTUNEL E., De Batist M., Fagel N.
European Geosciences Union - General Assembly, 15 - 20 April 2007
- LXVI. Development of paleoseismic trench logging and dating techniques: a case study on the Central North Anatolian Fault**
Fraser J., Pigati J., Hubert-Ferrari A., Vanneste K., Boes X., AVŞAR U., Altnok S.
European Geosciences Union - General Assembly, 15 - 20 April 2007
- LXVII. Assessment of Lake Sediment Sensitivity to Earthquakes and Climate Cycles along the North Anatolian Fault**
Boes X., AVŞAR U., king J., Çağatay N., Hubert-Ferrari A.
European Geophysical Union - General Assembly, 15 - 20 April 2007
- LXVIII. Potential of Shallow Lake Systems to Trace Environmental Changes Caused by Earthquakes**
AVŞAR U., Boes X., Hubert-Ferrari A., Fagel N.
European Geophysical Union - General Assembly, 15 - 20 April 2007

Supported Projects

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 - 2025

YILMAZ İ. Ö., AVŞAR U., AHMED A. F., Project Supported by Higher Education Institutions, Orta Toroslar ve Orta Batı Pontitler Üst Paleozoyik (Devoniyen) Siyah Şeyllerinin Sedimantolojisi, Sedimanter Jeokimyası (Element ve duraylı izotop) ve Küresel Okyanusal Olaylar İle İlişkisi, 2022 - 2023

Avşar U., Jonsson S., Klinger Y., Masson F., Universities of Other Countries Supported Project, Advanced Earthquake Hazard Research in Gulf of Aqaba and Strait of Tiran (ADVERT), 2020 - 2023

Kaymakçı N., Avşar Ö., Kurtuluş B., Avşar U., Arslan Ş., Dondurur D., Vardar D., TUBITAK Project, Ege Denizi Kıta Sahanelindeki Fay Kontrollü Deniz Altı Jeotermal Kaynakların Araştırılması ve Karakterizasyonu, 2019 - 2022

Avşar U., Jonsson S., Klinger Y., Universities of Other Countries Supported Project, Interdisciplinary earthquake hazard research in Gulf of Aqaba and Straight of Tiran (GAST), 2017 - 2020

AVŞAR U., TUBITAK Project, Köyceğiz Gölü (Muğla) Varvli Sedimanlarında Sedimenter Deprem Kayıtlarının İncelenmesi, 2017 - 2019

Avşar U., TUBITAK Project, Köyceğiz Gölü (Muğla) Varvli Sedimanlarında Sedimenter Deprem Kayıtlarının İncelenmesi, 2017 - 2019

Akar M., Avşar U., Project Supported by Higher Education Institutions, Amik Ovası Bölgesel Projesi [Proje Numarası-YA013103(2018)], 2018 - 2018

Akar M., Avşar U., Project Supported by Higher Education Institutions, Toprakhisar Höyük Arkeolojik Kazı ve Araştırma Projesi: M.Ö. 4.binyıldan 1. binyıla ova merkezleri ve kırsal yerleşimler arası ekonomik, kültürel, politik ilişkiler (BAP Proje No:16481), 2017 - 2018

Avşar U., H2020 Project, Towards a paleotsunami chronology in the southern Aegean and Levantine seas, Eastern Mediterranean, 2016 - 2018

Biltekin D., Avşar U., Avşar Ö., Project Supported by Higher Education Institutions, Fethiye-Göcek Körfezi, Köyceğiz Gölü ve Dalyan Kanalı yüzey çökel örneklerinin paleontolojik yönden araştırılması, 2016 - 2017

Avşar U., Jonsson S., Universities of Other Countries Supported Project, Investigation of subaqueous paleoseismic records of Fethiye-Burdur Fault Zone in Köyceğiz Lake, Fethiye-Göcek Gulf and Ölüdeniz Lagoon (SW Turkey), 2014 - 2016

Avşar U., Jonsson S., Geirsdottir A., Thordarson ., Universities of Other Countries Supported Project, Subaqueous paleoseismic records of Húsavík-Flatey Fault in Botnsvatn, Hoskuldsvatn lakes and Skjálfandi Bay, North Iceland, 2013 - 2016

Avşar Ö., Avşar U., Kurtuluş B., Arslan Ş., TUBITAK Project, Fethiye Göcek Körfezi ile Köyceğiz Alagöl Sülüngür ve Kocagöl Göllerinin Tabanındaki Termal Kaynakların Alansal Dağılımının ve Hidrokimyasal Özelliklerinin Belirlenmesi, 2012 - 2015

Hubert-Ferrari A., Avşar U., Boes X., Fraser J., Moreno D. G., FP6 Project, Understanding the irregularity of seismic cycles: A case study in Turkey, 2005 - 2009

Scientific Refereeing

TURKISH JOURNAL OF EARTH SCIENCES, SCI Journal, October 2020

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, June 2019

TUBITAK Project, 3501 - National Young Researcher Career Development Program, Middle East Technical University, Turkey, June 2019

TUBITAK Project, 2219 - Yurt Dışı Doktora Sonrası Araştırma Burs Programı, Middle East Technical University, Turkey, April 2019

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, December 2018

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, December 2018

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical

University, Turkey, December 2018

TUBITAK Project, 3501 - National Young Researcher Career Development Program, Middle East Technical University, Turkey, November 2018

TUBITAK Project, 3501 - National Young Researcher Career Development Program, Middle East Technical University, Turkey, November 2018

TUBITAK Project, 1002 - Quick Support Program, Middle East Technical University, Turkey, October 2018

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, July 2018

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, July 2018

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, July 2018

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, July 2018

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, March 2018

TUBITAK Project, 1002 - Quick Support Program, Middle East Technical University, Turkey, March 2018

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, December 2017

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, December 2017

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, December 2017

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, December 2017

TUBITAK Project, 3001 - Initial R&D Projects Support Program, Middle East Technical University, Turkey, November 2017

Tasks In Event Organizations

Avşar U., 72. Geological Congress of Turkey, Scientific Congress, Ankara, Turkey, Şubat 2019

Metrics

Publication: 92

Citation (WoS): 308

Citation (Scopus): 386

H-Index (WoS): 11

H-Index (Scopus): 13

Scholarships

Marie Skłodowska-Curie Actions IF, European Commission, 2016 - 2018