Prof. AYDIN BÜYÜKSARAÇ

Personal Information

Email: absarac@comu.edu.tr
Web: https://avesis.comu.edu.tr/absarac
Address: Çan Meslek Yüksek Okulu Çan/ÇANAKKALE

International Researcher IDs
ORCID: 0000-0002-4279-4158
Publons / Web Of Science ResearcherID: C-6357-2019
Yoksis Researcher ID: 12789

Education Information

Doctorate, Ankara University, Fen Bilimleri Enst., Jeofizik Mühendisliği Anabiim Dalı, Turkey 1996 - 2002
Postgraduate, Ankara University, Fen Bilimleri Enst., Jeofizik Mühendisliği Anabiim Dalı, Turkey 1993 - 1996
Undergraduate, Istanbul Technical University, Maden Fakültesi, Jeofizik Mühendisliği Bölümü, Turkey 1985 - 1989

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Geophysical Engineering, Applied Geophysics, Archeo-geophysical, Gravity, Well Measurements, Geological Engineering, Applied Geology, Environmental Geology and Geophysics, Physics, Electromagnetism, Acoustics, Heat Transfer, Classical Mechanics and Fluid Dynamics, Natural Sciences, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Cumhuriyet Üniversitesi, Mühendislik Fakültesi, Jeofizik Mühendisliği Bölümü, 2008 - 2010
Assistant Professor, Cumhuriyet Üniversitesi, Mühendislik Fakültesi, Jeofizik Mühendisliği Bölümü, 2003 - 2007

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Effects of the February 6, 2023, Kahramanmaraş earthquake on structures in Kahramanmaraş city**
Avcil F., Işık E., İzol R., BÜYÜKSARAÇ A., Arkan E., Arslan M. H., Aksoylu C., Eyisüren O., Harirchian E.
Natural Hazards, vol.120, no.3, pp.2953-2991, 2024 (SCI-Expanded)

II. **Failure mechanism by wrench faulting in Central Anatolia**
BÜYÜKSARAÇ A., GÜNDOĞDU E., BEKTAŞ Ö., Işık E.
Engineering Failure Analysis, vol.156, 2024 (SCI-Expanded)

III. **Achieving Intensity Distributions of 6 February 2023 Kahramanmaraş (Türkiye) Earthquakes from Peak Ground Acceleration Records**
BÜYÜKSARAÇ A., Işık E., BEKTAŞ Ö., Avcil F.

Sustainability (Switzerland), vol.16, no.2, 2024 (SCI-Expanded)

IV. **Investigation of earthquake sequence and stress transfer in the Eastern Anatolia Fault Zone by Coulomb stress analysis**
Alkan H., BÜYÜKSARAÇ A., BEKTAŞ Ö.
Turkish Journal of Earth Sciences, vol.33, no.1, pp.56-68, 2024 (SCI-Expanded)

V. **Structural damages in masonry buildings in Adıyaman during the Kahramanmaraş (Turkiye) earthquakes (Mw 7.7 and Mw 7.6) on 06 February 2023**
Işık E., Avcil F., BÜYÜKSARAÇ A., İzol R., Hakan Arslan M., Aksoylu C., Harirchian E., Eyisüren O., Arkan E., Şakir Güngür M., et al.
Engineering Failure Analysis, vol.151, 2023 (SCI-Expanded)

VI. **Structural damage evaluation of mosques and minarets in Adıyaman due to the 06 February 2023 Kahramanmaraş earthquakes**
Işık E., Avcil F., Arkan E., BÜYÜKSARAÇ A., İzol R., Topalan M.
Engineering Failure Analysis, vol.151, 2023 (SCI-Expanded)

VII. **Fault modeling around southern Anatolia using the aftershock sequence of the Kahramanmaraş earthquakes (Mw = 7.7 and Mw = 7.6) and an interpretation of potential field data**
BÜYÜKSARAÇ A., BEKTAŞ Ö., Alkan H.
Acta Geophysica, 2023 (SCI-Expanded)

VIII. **Determination of Natural Fundamental Period of Minarets by Using Artificial Neural Network and Assess the Impact of Different Materials on Their Seismic Vulnerability**
Işık E., Ademović N., Harirchian E., Avcil F., BÜYÜKSARAÇ A., Hadzima-Nyarko M., Akif Bülbül M., Işık M. F., Antep B.
Applied Sciences (Switzerland), vol.13, no.2, 2023 (SCI-Expanded)

IX. **Bedrock Depth Calculation of Çanakkale (Turkey) Basin Using Rayleigh Ellipticity and Microgravity Survey**
BÜYÜKSARAÇ A., Eyisüren O., BEKTAŞ Ö., KARACA Ö.
Geofisica Internacional, vol.62, no.1, pp.387-401, 2023 (SCI-Expanded)

X. **Damage evaluation of masonry buildings during Kahramanmaraş (Türkiye) earthquakes on February 06, 2023**
Işık E., BÜYÜKSARAÇ A., Avcil F., Arkan E., Aydın M. C., Ulu A. E.
Earthquake and Structures, vol.25, no.3, pp.209-221, 2023 (SCI-Expanded)

XI. **The comparison of sectional damages in reinforced-concrete structures and seismic parameters on regional Basis; a case study from western Türkiye (Aegean Region)**
Işık E., Ulutaş H., BÜYÜKSARAÇ A.
Earthquake and Structures, vol.24, no.1, pp.37-51, 2023 (SCI-Expanded)

XII. **A Comparative Study of the Effects of Earthquakes in Different Countries on Target Displacement in Mid-Rise Regular RC Structures**
Işık E., Hadzima-Nyarko M., Bilgin H., Ademović N., BÜYÜKSARAÇ A., Harirchian E., Bulajić B., Özmen H. B., Aghakouchaki Hosseini S. E.
Applied Sciences (Switzerland), vol.12, no.23, 2022 (SCI-Expanded)

XIII. **A Comparative Evaluation of Earthquake Code Change on Seismic Parameter and Structural Analysis; A case of Turkey**
BÜYÜKSARAÇ A., IŞIK E., BEKTAŞ Ö.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.47, no.10, pp.12301-12321, 2022 (SCI-Expanded)

XIV. **Determination of historical graves by ground penetrating radar method: Sakarya Field Battle (August 23-September 13, 1921, Turkey)**
KOŞAROĞLU S., KAMACI Z., Erdogan S., BEKTAŞ Ö., BÜYÜKSARAÇ A.
AUSTRALIAN JOURNAL OF FORENSIC SCIENCES, vol.54, no.6, pp.842-860, 2022 (SCI-Expanded)

XV. **Coulomb stress change before and after 24.01.2020 Sivrice (Elazig) Earthquake (Mw=6.8) on the East Anatolian Fault Zone**
Alkan H., BÜYÜKSARAÇ A., BEKTAŞ Ö., IŞIK E.
ARABIAN JOURNAL OF GEOSCIENCES, vol.14, no.23, 2021 (SCI-Expanded)

XVI. **New insights into the dynamic characteristics of alluvial media under the earthquake prone area: a case study for the canakkale city settlement (NW of Turkey)**
BÜYÜKSARAÇ A., BEKLER T., DEMİRCİ A., Eyisuren O.
ARABIAN JOURNAL OF GEOSCIENCES, vol.14, no.20, 2021 (SCI-Expanded)

XVII. **Geoheritage in a Mythical and Volcanic Terrain: an Inventory and Assessment Study for Geopark and Geotourism, Nemrut Volcano (Bitlis, Eastern Turkey)**
Ertekin C., EKİNCİ Y. L., BÜYÜKSARAÇ A., Ekinci R.
GEOHERITAGE, vol.13, no.3, 2021 (SCI-Expanded)

XVIII. **A case study for determination of seismic risk priorities in Van (Eastern Turkey)**
BÜYÜKSARAÇ A., Isik E., Harirchian E.
EARTHQUAKES AND STRUCTURES, vol.20, no.4, pp.445-455, 2021 (SCI-Expanded)

XIX. **Time-dependent model for earthquake occurrence and effects of design spectra on structural performance: a case study from the North Anatolian Fault Zone, Turkey**
IŞIK E., EKİNCİ Y. L., SAYIL N. L., BÜYÜKSARAÇ A., AYDIN M. C.
TURKISH JOURNAL OF EARTH SCIENCES, vol.30, no.2, pp.215-234, 2021 (SCI-Expanded)

XX. **The Effect of Site-Specific Design Spectrum on Earthquake-Building Parameters: A Case Study from the Marmara Region (NW Turkey)**
IŞIK E., BÜYÜKSARAÇ A., EKİNCİ Y. L., AYDIN M. C., Harirchian E.
APPLIED SCIENCES-BASEL, vol.10, no.20, 2020 (SCI-Expanded)

XXI. **24 January 2020 Sivrice (Elazig) earthquake damages and determination of earthquake parameters in the region**
Isik E., Aydin M. C., BÜYÜKSARAÇ A.
EARTHQUAKES AND STRUCTURES, vol.19, no.2, pp.145-156, 2020 (SCI-Expanded)

XXII. **Geophysical Investigation of Mount Nemrut Stratovolcano (Bitlis, Eastern Turkey) Through Aeromagnetic Anomaly Analyses**
EKİNCİ Y. L., BÜYÜKSARAÇ A., BEKTAŞ Ö., Ertekin C.
PURE AND APPLIED GEOPHYSICS, vol.177, no.7, pp.3243-3264, 2020 (SCI-Expanded)

XXIII. **Characteristics and properties of Bitlis ignimbrites and their environmental implications**
Isik E., Buyuksarac A., Avsar E., Kuluozturk M. F., Gunay M.
MATERIALES DE CONSTRUCCION, vol.70, no.338, 2020 (SCI-Expanded)

XXIV. **The Relationship Between Concrete Strengths Obtained by Destructive and Non-destructive Methods**
Karahan S., BÜYÜKSARAÇ A., IŞIK E.
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY-TRANSACTIONS OF CIVIL ENGINEERING, vol.44, no.1, pp.91-105, 2020 (SCI-Expanded)

XXV. **High-resolution ground penetrating radar investigation of yerebatan (Basilica) cistern in istanbul (constantinople) for restoration purposes**
Aydıngün Ş., Kurban Y. C., Yalçıner C. Ç., Büyüksaraç A., Gündoğdu E., Altunel E.
Mediterranean Archaeology and Archaeometry, vol.20, no.3, pp.13-26, 2020 (AHCI)

XXVI. **Observation of behavior of the Ahlat Gravestones (TURKEY) at seismic risk and their recognition by QR code**
Isik E., Antep B., Buyuksarac A., Isik M. F.
STRUCTURAL ENGINEERING AND MECHANICS, vol.72, no.5, pp.643-652, 2019 (SCI-Expanded)

XXVII. **Non-destructive damage analysis in Kariye (Chora) Museum as a cultural heritage building**
YALÇINER C. Ç., BÜYÜKSARAÇ A., Kurban Y. C.
JOURNAL OF APPLIED GEOPHYSICS, vol.171, 2019 (SCI-Expanded)

XXVIII. **Determination of indoor radon gas levels in some buildings constructed with Ahlat stone in Ahlat/Bitlis**
Kuluozturk M. F., Buyuksarac A., Ozbey F., Yalcin S., Dogru M.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, vol.16, no.9, pp.5033-5038, 2019 (SCI-Expanded)

XXIX. **Analysis of local site conditions through geophysical parameters at a city under earthquake threat:**

Canakkale, NW Turkey
BEKLER T., DEMİRCİ A., EKİNCİ Y. L., BÜYÜKSARAÇ A.
JOURNAL OF APPLIED GEOPHYSICS, vol.163, pp.31-39, 2019 (SCI-Expanded)

XXX. **3D Modeling and Tectonic Interpretation of the Erzincan Basin (Turkey) using Potential Field Data**
Aydin O. L., BEKTAŞ Ö., Buyuksarac A., YILMAZ H.
EARTH SCIENCES RESEARCH JOURNAL, vol.23, no.1, pp.57-67, 2019 (SCI-Expanded)

XXXI. **Thermal Investigation in the Cappadocia Region, Central Anatolia-Turkey, Analyzing Curie Point Depth, Geothermal Gradient, and Heat-Flow Maps from the Aeromagnetic Data**
BİLİM F., KOŞAROĞLU S., AYDEMİR A., Buyuksarac A.
PURE AND APPLIED GEOPHYSICS, vol.174, no.12, pp.4445-4458, 2017 (SCI-Expanded)

XXXII. **Modeling of shallow structures in the Cappadocia region using gravity and aeromagnetic anomalies**
KOŞAROĞLU S., Buyuksarac A., AYDEMİR A.
JOURNAL OF ASIAN EARTH SCIENCES, vol.124, pp.214-226, 2016 (SCI-Expanded)

XXXIII. **Hydrothermal fluids circulation and travertine deposition in an active tectonic setting: Insights from the Kamara geothermal area (western Anatolia, Turkey)**
brogi A., alçiçek M. C., YALÇINER C. Ç., capezzuoli E., liotta D., meccheri M., rimondi V., ruggieri G., gandin A., boschi C., et al.
TECTONOPHYSICS, vol.680, pp.211-232, 2016 (SCI-Expanded)

XXXIV. **Geophysical analysis of fault geometry and volcanic activity in the Erzincan Basin, Central Turkey: Complex evolution of a mature pull-apart basin**
Akpinar Z., GÜRSOY H., TATAR O., Buyuksarac A., KOÇBULUT F., Piper J. D. A.
JOURNAL OF ASIAN EARTH SCIENCES, vol.116, pp.97-114, 2016 (SCI-Expanded)

XXXV. **Statistical analysis of geomagnetic field variations during the partial solar eclipse on 2011 January 4 in Turkey**
Ates A., Ekinci Y. L., Buyuksarac A., AYDEMİR A., Demirci A.
RESEARCH IN ASTRONOMY AND ASTROPHYSICS, vol.15, no.5, pp.742-752, 2015 (SCI-Expanded)

XXXVI. **Investigation of the organic matter properties and hydrocarbon potential of the Sivas Basin, Central Eastern Anatolia, Turkey, using Rock-Eval data and organic petrography**
Erik N. Y., AYDEMİR A., Buyuksarac A.
JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING, vol.127, pp.148-168, 2015 (SCI-Expanded)

XXXVII. **The LF radio anomaly observed before the M-w=6.5 earthquake in Crete on October 12, 2013**
Maggipinto T., Biagi P. F., Colella R., Schiavulli L., Ligonzo T., Ermini A., Martinelli G., Moldovan I., Silva H., Contadakis M., et al.
PHYSICS AND CHEMISTRY OF THE EARTH, pp.98-105, 2015 (SCI-Expanded)

XXXVIII. **Estimating shear wave velocity using acceleration data in Antakya (Turkey)**
Buyuksarac A., Over S., Genes M. C., Bikce M., Kacin S., BEKTAŞ Ö.
EARTH SCIENCES RESEARCH JOURNAL, vol.18, no.2, pp.99-105, 2014 (SCI-Expanded)

XXXIX. **Importance of ground properties in the relationship of ground vibration-structural hazard and land application**
Caylak C., Kocaslan A., Gorgulu K., Buyuksarac A., Arpaz E.
JOURNAL OF APPLIED GEOPHYSICS, vol.104, pp.6-16, 2014 (SCI-Expanded)

XL. **Evaluation of Gravity and Aeromagnetic Anomalies for the Deep Structure and Possibility of Hydrocarbon Potential of the Region Surrounding Lake Van, Eastern Anatolia, Turkey**
Aydemir A., ATEŞ A., BİLİM F., BÜYÜKSARAÇ A., BEKTAŞ Ö.
SURVEYS IN GEOPHYSICS, vol.35, no.2, pp.431-448, 2014 (SCI-Expanded)

XLI. **GEOPHYSICAL INVESTIGATION OF BURIED CANNONS IN KUMKALE (DARDANELLES), TURKEY**
Buyuksarac A., Sayilir B., Yalciner C. C., Bektas O., Kurban Y. C., Topcu M. I.
MEDITERRANEAN ARCHAEOLOGY & ARCHAEOMETRY, vol.14, no.1, pp.287-295, 2014 (AHCI)

XLII. **Geophysical investigations at Agadere Cemetery, Gallipoli Peninsular, NW Turkey**
Büyüksaraç A., YALÇINER C. Ç., Ekinci Y. L., Demirci A., Yücel M. A.
AUSTRALIAN JOURNAL OF FORENSIC SCIENCES, vol.46, no.1, pp.111-123, 2014 (SCI-Expanded)

XLIII. **3D MODELLING AND STRUCTURAL INVESTIGATION OF THE CENTRAL VOLCANICS IN SLOVAKIA USING MAGNETIC DATA**
BEKTAŞ Ö., BÜYÜKSARAÇ A., Rozimant K.
CARPATHIAN JOURNAL OF EARTH AND ENVIRONMENTAL SCIENCES, vol.8, no.4, pp.27-33, 2013 (SCI-Expanded)

XLIV. **Geophysical investigation and hydrocarbon potential of Cankiri-Corum Basin, Turkey**
Aslan Y., BÜYÜKSARAÇ A., YALÇIN ERİK N., Aydemir A., ATEŞ A.
JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING, vol.110, pp.94-108, 2013 (SCI-Expanded)

XLV. **Preliminary seismic microzonation of Sivas city (Turkey) using microtremor and refraction microtremor (ReMi) measurements**
BÜYÜKSARAÇ A., BEKTAŞ Ö., YILMAZ H., Arisoy M. O.
JOURNAL OF SEISMOLOGY, vol.17, no.2, pp.425-435, 2013 (SCI-Expanded)

XLVI. **IDENTIFICATION OF BURIED ARCHAEOLOGICAL RELICS USING DERIVATIVES OF MAGNETIC ANOMALIES IN OLYMPOS MOUNTAIN WEST ANATOLIA: A CASE STUDY**
Buyuksarac A., BEKTAŞ Ö., Tulunay E. T., Ates A.
MEDITERRANEAN ARCHAEOLOGY & ARCHAEOMETRY, vol.13, no.1, pp.1-8, 2013 (AHCI)

XLVII. **SURFACE GEOPHYSICAL INVESTIGATIONS AND PRELIMINARY EXCAVATIONS AT THE DIVRIGI CITADEL, SIVAS (TURKEY)**
Buyuksarac A., Eser E., BEKTAŞ Ö., Akay B., Kosaroglu S.
MEDITERRANEAN ARCHAEOLOGY & ARCHAEOMETRY, vol.13, no.1, pp.117-126, 2013 (AHCI)

XLVIII. **Two-phased evolution of the Susehri Basin on the North Anatolian Fault Zone, Turkey**
POLAT A., TATAR O., GÜRSOY H., YALÇINER C. Ç., BÜYÜKSARAÇ A.
GEODINAMICA ACTA, vol.25, pp.132-145, 2012 (SCI-Expanded)

XLIX. **Crustal Structure of Turkey from Aeromagnetic, Gravity and Deep Seismic Reflection Data**
ATEŞ A., BİLİM F., BÜYÜKSARAÇ A., Aydemir A., BEKTAŞ Ö., Aslan Y.
SURVEYS IN GEOPHYSICS, vol.33, no.5, pp.869-885, 2012 (SCI-Expanded)

L. **Wavelet analysis of the LF radio signals collected by the European VLF/LF network from July 2009 to April 2011**
Righetti F., Biagi P. F., Maggipinto T., Schiavulli L., Ligonzo T., Ermini A., Moldovan I. A., Moldovan A. S., BÜYÜKSARAÇ A., Silva H. G., et al.
ANNALS OF GEOPHYSICS, vol.55, no.1, pp.171-180, 2012 (SCI-Expanded)

LI. **Assessment of potential seismic hazard and site effect in Antakya (Hatay Province), SE Turkey**
ÖVER S., BÜYÜKSARAÇ A., Bekta O., Filazi A.
ENVIRONMENTAL EARTH SCIENCES, vol.62, no.2, pp.313-326, 2011 (SCI-Expanded)

LII. **Geophysical Variations During the Total Solar Eclipse in 2006 in Turkey**
ATEŞ A., BÜYÜKSARAÇ A., BEKTAŞ Ö.
TURKISH JOURNAL OF EARTH SCIENCES, vol.20, no.3, pp.337-342, 2011 (SCI-Expanded)

LIII. **The European VLF/LF radio network to search for earthquake precursors: setting up and natural/man-made disturbances**
Biagi P. F., Maggipinto T., Righetti F., Loiacono D., Schiavulli L., Ligonzo T., Ermini A., Moldovan I. A., Moldovan A. S., Buyuksarac A., et al.
NATURAL HAZARDS AND EARTH SYSTEM SCIENCES, vol.11, no.2, pp.333-341, 2011 (SCI-Expanded)

LIV. **Indoor and outdoor Radon concentration measurements in Sivas, Turkey, in comparison with geological setting**
Mihci M., BÜYÜKSARAÇ A., Aydemir A., Celebi N.
JOURNAL OF ENVIRONMENTAL RADIOACTIVITY, vol.101, no.11, pp.952-957, 2010 (SCI-Expanded)

LV. **Comment to "Comparative petroleum systems analysis of the interior basins of Turkey: Implications for petroleum potential" [Mar. Pet. Geol. 26 (2009) 1656-1676]**
BÜYÜKSARAÇ A., YALÇIN ERİK N.
MARINE AND PETROLEUM GEOLOGY, vol.27, no.7, pp.1676-1677, 2010 (SCI-Expanded)

LVI. **Spatial correlation of the aeromagnetic anomalies and seismogenic faults in the Marmara region, NW Turkey**

ATEŞ A. S., Buyuksarac A., BİLİM F., BEKTAŞ Ö., Sendur C., Komanovali G.
TECTONOPHYSICS, vol.478, pp.135-142, 2009 (SCI-Expanded)

LVII. **Interpretation of Magnetic Anomalies and Estimation of Depth of Magnetic Crust in Slovakia**
Rozimant K., Buyuksarac A., BEKTAŞ Ö.
PURE AND APPLIED GEOPHYSICS, vol.166, no.3, pp.471-484, 2009 (SCI-Expanded)

LVIII. **Investigation of the deep structure of the Sivas Basin (innereast Anatolia, Turkey) with geophysical methods**
ÖNAL K. M., Buyuksarac A., AYDEMİR A., Ates A.
TECTONOPHYSICS, vol.460, pp.186-197, 2008 (SCI-Expanded)

LIX. **Determination of Grave Locations in Dedemezari Necropolis (Western Turkey) using Magnetic Field Derivatives**
Bueyueksarac A., Arisoy M. O., BEKTAŞ Ö., Kocak O., Cay T.
ARCHAEOLOGICAL PROSPECTION, vol.15, no.4, pp.267-283, 2008 (SCI-Expanded)

LX. **A tectonic interpretation of the Marmara Sea, NW Turkey from geophysical data**
ATEŞ A., BİLİM F., Buyuksarac A., BEKTAŞ Ö.
EARTH PLANETS AND SPACE, vol.60, no.3, pp.169-177, 2008 (SCI-Expanded)

LXI. **Images of buried graves in Bayat, Afyon (Turkey) from high-resolution magnetic data and their comparison with preliminary excavations**
Arisoy M. O., KOÇAK O., Buyuksarac A., BİLİM F.
JOURNAL OF ARCHAEOLOGICAL SCIENCE, vol.34, no.9, pp.1473-1484, 2007 (SCI-Expanded)

LXII. **Regional geothermal characterisation of East Anatolia from aeromagnetic, heat flow and gravity data**
BEKTAŞ Ö., RAVAT D., Bueyueksarac A., BİLİM F., ATEŞ A.
PURE AND APPLIED GEOPHYSICS, vol.164, no.5, pp.975-998, 2007 (SCI-Expanded)

LXIII. **Investigation into the regional wrench tectonics of inner East Anatolia (Turkey) using potential field data**
Buyuksarac A.
PHYSICS OF THE EARTH AND PLANETARY INTERIORS, vol.160, no.1, pp.86-95, 2007 (SCI-Expanded)

LXIV. **Investigation of magnetic surveying data of buried grave jars in Harmanoren Necropolis (Turkey) using linear transformations and analytic signal**
Buyuksarac A., Bilim F., Ates A., BEKTAŞ Ö.
JOURNAL OF ARCHAEOLOGICAL SCIENCE, vol.33, no.7, pp.910-920, 2006 (SCI-Expanded)

LXV. **Interpretation of the gravity and magnetic anomalies of the Cappadocia region, Central Turkey**
Buyuksarac A., JORDANOVA D., ATEŞ A., KARLOUKOVSKİ V.
PURE AND APPLIED GEOPHYSICS, vol.162, no.11, pp.2197-2213, 2005 (SCI-Expanded)

LXVI. **Tectonomagmatic evolution of bimodal plutons in the central Anatolian crystalline complex, Turkey: A discussion**
Buyuksarac A.
JOURNAL OF GEOLOGY, vol.113, no.4, pp.495-496, 2005 (SCI-Expanded)

LXVII. **Curie point depth investigation of central Anatolia, Turkey**
ATEŞ A., BİLİM F., Buyuksarac A.
PURE AND APPLIED GEOPHYSICS, vol.162, no.2, pp.357-371, 2005 (SCI-Expanded)

Articles Published in Other Journals

I. **6 Şubat Kahramanmaraş Merkezli Depremler Sonrasında Muş İli Ve Yakın Çevresinin Deprem Tehlikesine Yönelik Bir Değerlendirme**
DÖLEK İ., EKİNCİ R., ALKAN H., BÜYÜKSARAÇ A., EKİNCİ Y. L.
Türk Coğrafya Dergisi, vol.83, pp.59-71, 2023 (Peer-Reviewed Journal)

II. **Seismic Damages in Masonry Structural Walls and Solution Suggestions**
ARKAN E., IŞIK E., AVCİL F., İZOL R., BÜYÜKSARAÇ A.

Academic Platform Journal of Natural Hazards and Disaster Management, vol.4, no.2, pp.49-64, 2023 (Peer-Reviewed Journal)

III. **Archaeo-geophysical Investigations in Ahlat Seljuk Square Cemetery, Bitlis, Eastern Anatolia TURKIYE**
BÜYÜKSARAÇ A., KULAZ M., BEKTAŞ Ö., DUMANKAYA O., EKİNCİ Y. L., KOŞAROĞLU S.
International Journal of Environment and Geoinformatics, vol.10, no.3, pp.15-23, 2023 (Peer-Reviewed Journal)

IV. **Investigation of Site Characterization and Vulnerability in Antakya (Turkey) under Basin Effect**
Büyüksaraç A., Bektaş Ö., IŞIK E., OVER S., KAÇIN S.
Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.16, no.2, pp.548-570, 2023 (Peer-Reviewed Journal)

V. **Snow Avalanche Risk Assessment using GIS-Based AHP for Bitlis Province**
AYDIN M., SEVGİ BİRİNCİOĞLU E., ULU A. E., BÜYÜKSARAÇ A.
Bitlis Eren Üniversitesi Fen Bilimleri Dergisi, vol.12, no.1, pp.104-114, 2023 (Peer-Reviewed Journal)

VI. **THE CAESAREA GERMANICIA (?) OF ARCHEOGEOPHYSICAL INVESTIGATIONS**
DUMANKAYA O., BEKTAŞ Ö., KOŞAROĞLU S., BÜYÜKSARAÇ A.
KSÜ Mühendislik Bilimleri Dergisi, vol.25, pp.113-121, 2022 (Peer-Reviewed Journal)

VII. **Determination of Rockfall Risk Using Fine-Kinney Methodology for Bitlis Downtown Area, Eastern Türkiye**
IŞIK E., BÜYÜKSARAÇ A., EKİNCİ Y. L., AYDIN M. C.
DISASTER SCIENCE AND ENGINEERING, vol.8, no.2, pp.1-17, 2022 (Peer-Reviewed Journal)

VIII. **Measurement of Indoor Seasonal and Regional Radon (222Rn) Gas Activity in Çanakkale (Turkey)**
BÜYÜKSARAÇ A., KULUÖZTÜRK M. F.
Bitlis Eren Üniversitesi Fen Bilimleri Dergisi, vol.11, no.3, pp.911-921, 2022 (Peer-Reviewed Journal)

IX. **The Effect of Vertical Earthquake Motion on Structural Behaviour in Steel Structures in Different Seismic Zones**
IŞIK E., ÜLKER PEKER F., BÜYÜKSARAÇ A.
Journal of Advanced Research in Natural and Applied Sciences, vol.8, no.3, pp.527-542, 2022 (Peer-Reviewed Journal)

X. **CBS tabanlı AHP yöntemi kullanılarak Bitlis İlinin Heyelan Duyarlılık Haritalaması**
AYDIN M. C., Sevgi Birincioğlu E., BÜYÜKSARAÇ A.
Türk Uzaktan Algılama ve CBS Dergisi, vol.3, no.2, pp.160-171, 2022 (Peer-Reviewed Journal)

XI. **The effect of local soil conditions on structure target displacements in different seismic zones**
AVCİL F., IŞIK E., BÜYÜKSARAÇ A.
Gümüşhane Üniversitesi Fen Bilimleri Dergisi, vol.12, no.4, pp.1000-1011, 2022 (Peer-Reviewed Journal)

XII. **Risk Assessment of Rockfall using GIS-Based Analytical Hierarchy Process: A Case Study of Bitlis Province**
AYDIN M. C., Sevgi Birincioğlu E., BÜYÜKSARAÇ A.
Bitlis Eren University Journal of Science and Technology, vol.12, no.1, pp.43-50, 2022 (Peer-Reviewed Journal)

XIII. **EARLY INTERVENTION TO RISK GROUPS WITH THE QRCODE SYSTEM IN DISASTERS**
ÇAĞDAŞ E., BÜYÜKSARAÇ A., IŞIK M. F.
Bitlis Eren University Journal of Science and Technology, vol.12, no.1, pp.27-35, 2022 (Peer-Reviewed Journal)

XIV. **Afetlerde Acil Yardım Planlaması**
BASKAK D., BÜYÜKSARAÇ A.
Paramedik ve Acil Saglik Hizmetleri Dergisi, vol.2, no.2, pp.58-83, 2021 (Peer-Reviewed Journal)

XV. **Seismic and Structural Analyses of the Eastern Anatolian Region (Turkey) Using Different Probabilities of Exceedance**
IŞIK E., Harirchian E., BÜYÜKSARAÇ A., EKİNCİ Y. L.
APPLIED SYSTEM INNOVATION, vol.4, no.89, pp.1-23, 2021 (ESCI)

XVI. **The Place of Geophysical Studies in Archaeological and Anthropological Research**
BÜYÜKSARAÇ A.
Journal Of Anthropological And Archaeological Sciences, vol.5, no.5, pp.678-680, 2021 (Peer-Reviewed Journal)

XVII. **2007 ve 2018 Deprem Yönetmeliklerinin Yapısal Analizler Işığında Karşılaştırılması**

Adar K., Büyüksaraç A., Işık E., Ulu A. E.
Avrupa Bilim ve Teknoloji Dergisi, vol.25, pp.306-317, 2021 (Peer-Reviewed Journal)

XVIII. **Seismic risk priorities of site and mid-rise RC buildings in Turkey**
Büyüksaraç A.
Challenge Journal of Structural Mechanics, vol.6, pp.191-203, 2020 (ESCI)

XIX. **Bitlis İlinin Doğal Afet Çeşitliliğinin Değerlendirilmesi**
Ekinci R., BÜYÜKSARAÇ A., EKİNCİ Y. L., IŞIK E.
JOURNAL OF NATURAL HAZARDS AND ENVIRONMENT, vol.6, pp.1-11, 2020 (Peer-Reviewed Journal)

XX. **Thermal structure of the Cappadocia region, Turkey: a review with geophysical methods**
AYDEMİR A., BİLİM F., KOŞAROĞLU S., BÜYÜKSARAÇ A.
Mediterranean Geoscience Reviews, vol.1, no.2, pp.243-254, 2019 (Peer-Reviewed Journal)

XXI. **STRUCTURAL ANALYSIS AND MAPPING OF HISTORICAL TOMBS IN AHLAT DISTRICT (BITLIS, TURKEY)**
IŞIK E., ANTEP B., BÜYÜKSARAÇ A.
Electronic Journal of the Faculty of Civil Engineering Osijek-e-GFOS, vol.18, no.1, pp.22-35, 2019 (ESCI)

XXII. **Organic geochemical chracteristics of Alpagut-Dodurga (Corum) coals**
YALÇIN ERİK N., Aslan Y., Buyuksarac A.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.24, no.3, pp.566-575, 2018 (ESCI)

XXIII. **Investigation of Strength Characteristics of Natural Stones in Ürgüp (Nevşehir/Turkey)**
PAMUK E., BÜYÜKSARAÇ A.
Bitlis Eren University Journal of Science and Technology, pp.74-79, 2017 (Peer-Reviewed Journal)

XXIV. **Determination of radon gas activity levels in drinking water inAhlat/Bitlis**
KULUÖZTÜRK M. F., BÜYÜKSARAÇ A., ÖZBEY F., YALÇIN S.
Bitlis Eren University Journal of Science and Technology, vol.7, no.2, pp.104-107, 2017 (Peer-Reviewed Journal)

XXV. **Dünya mirası Ahlat Selçuklu mezarlığı ile kümbetlerin lidar ve jeofizik yöntemlerle araştırılması, yüzey ve yüzeyaltı yapı modellemesi**
DOĞRU M., BÜYÜKSARAÇ A., AKSOY E., KARAHAN R., YAKAR M., EKİNCİ Y. L., DEMİRCİ A., ULVİ A., TOPRAK A. S.
Uluslararası Türkçe Edebiyat Kültür Eğitim (TEKE) Dergisi, vol.6, no.1, pp.17-42, 2017 (Peer-Reviewed Journal)

XXVI. **DÜNYA MİRASI AHLAT SELÇUKLU MEZARLIĞI İLE KÜMBETLERİN LİDAR VE JEOFİZİK YÖNTEMLE**
DOĞRU M., BÜYÜKSARAÇ A., AKSOY E., KARAHAN R., YAKAR M., EKİNCİ Y. L., DEMİRCİ A., ULVİ A., TOPRAK A.
International Journal Of Turkish Literature Culture Education, vol.6, pp.17-42, 2017 (Peer-Reviewed Journal)

XXVII. **Anomalies Observed in VLF and LF Radio Signals on the Occasion of the Western Turkey Earthquake M lt sub gt w lt sub gt 5 7 on May 19 2011**
Biagi P. F., Righetti F., Maggipinto T., Schiavulli L., Ligonzo T., Ermini A., Moldovan I. A., Moldovan A. S., Silva H., Bezzeghoud M., et al.
International Journal of Geosciences, vol.3, no.4, pp.856-865, 2012 (Peer-Reviewed Journal)

XXVIII. **Three dimensional magnetic model of amphibolite complex in Taşkesti area Mudurnu valley North West Turkey**
BÜYÜKSARAÇ A., Siegfried R., ATEŞ A.
Balkan Geophysical Society, vol.1, no.3, pp.44-52, 1998 (Peer-Reviewed Journal)

Books & Book Chapters

I. **Adli Yer Radarı**
BÜYÜKSARAÇ A., YALÇINER C. Ç., BEKTAŞ Ö.
in: Adli Bilimler ve Kriminalistik Ansiklopedisi, Hancı Hamit İ. - Vural Ogün, Editor, Adalet Yayınevi, Ankara, pp.5031-5044, 2023

II. **Arkeolojik Alanlarda Jeofizik Mühendisliği Uygulamaları**
BEKTAŞ Ö., BÜYÜKSARAÇ A.

in: Arkeolojik Alanlarda Fen Bilimleri Uygulamaları, Pehlivan Erdener, Editor, Nobel, Ankara, pp.107-122, 2023

III. **Importance of Bedrock Depth Knowledge in Basins: Çanakkale (Dardanalles) Case History.**
Büyüksaraç A., Karaca Ö., Eyisüren O., Bektaş Ö., Işik E.
in: Lecture Notes in Networks and Systems book series (30th International Conference on Organization and Technology of Maintenance), Glavaš, H., Hadzima-Nyarko, M., Karakašić, M., Ademović, N., Avdaković, S., Editor, Springer, Bern, pp.344-352, 2022

Refereed Congress / Symposium Publications in Proceedings

I. **A Study on the Determination of Damage Levels in Reinforced Concrete Structures during the Kahramanmaras Earthquake on February 06, 2023**
Isik E., Shendkar M. R., Avcil F., BÜYÜKSARAÇ A., Deshpande S. S.
2023 International Conference on Sustainable Technologies in Civil and Environmental Engineering, ICSTCE 2023, Pune, India, 15 - 16 June 2023, vol.405

II. **Örnek Bir Şaft Dolusavağın Akım Koşullarının Hesaplamalı Akışkanlar Dinamiği (HAD) İle Analizi**
AYDIN M. C., ULU A. E., BÜYÜKSARAÇ A.
Third International Mediterranean Congress on Natural Sciences, Health Sciences and Engineering, 18 - 20 June 2019

III. **20 Şubat 2019 Meydana Gelen Ayvacık Depreminde Yığma Yapı Hasarlarının İncelenmesi.**
ÖZLÜK M., IŞIK E., GÜNSEL E., BÜYÜKSARAÇ A., AYDIN M. C.
1. Uluslararası Uygulamalı Bilimler Kongresi, 26 - 28 April 2019

IV. **Mardin ve Civarının Depremselliği.**
EKİNCİ R., BÜYÜKSARAÇ A., EKİNCİ Y. L., IŞIK E.
Mardin Artuklu Uluslararası Multidisipliner Çalışmalar Kongresi, 19 - 21 April 2019

V. **Zemin İle İlgili Parametrelerin 2007 ve 2018 Deprem Yönetmelikleri Kapsamında Karşılaştırılması Üzerine Bir Çalışma.**
KARACA E. O., BÜYÜKSARAÇ A., BOZKURT N., IŞIK E., BAYDAŞ T.
1. Uluslararası Uygulamalı Bilimler Kongresi, 26 - 28 April 2019

VI. **Yığma Yapılar İçin Hasar Derecelendirilmesi Üzerine Örnek Bir Çalışma**
ÖZLÜK M., IŞIK E., GÜNSEL E., BÜYÜKSARAÇ A., AYDIN M. C.
1. Uluslararası Uygulamalı Bilimler Kongresi, 26 - 28 April 2019

VII. **BİR YANARDAĞIN ANATOMİSİ: NEMRUT VOLKANI, BİTLİS**
EKİNCİ Y. L., BÜYÜKSARAÇ A., BEKTAŞ Ö.
MARDİN ARTUKLU ULUSLARARASI MULTIDİSİPLİNER ÇALIŞMALAR KONGRESİ, Mardin, Turkey, 19 - 21 April 2019, pp.259-265

VIII. **MÜHENDİSLİK ÇALIŞMALARINDA YAPAY ZEKÂ UYGULAMALARI**
BÜYÜKSARAÇ A., AYDIN M. C., IŞIK E., ULU A. E.
IV.UluslararasıMesleki ve Teknik Bilimler Kongresi (UMTEB-2018), 7 - 09 December 2018

IX. **BİTLİS İL MERKEZİNDE GÖZLEMLENEN KAYA DÜŞMELERİ**
Bulut Ö., BÜYÜKSARAÇ A., IŞIK E., AYDIN M. C., EKİNCİ Y. L.
IV.UluslararasıMesleki ve Teknik Bilimler Kongresi (UMTEB-2018), 7 - 09 December 2018

X. **AHLAT İLÇESİNDE YER ALAN TARİHİ YAPILARIN HARİTALANDIRILMASI**
IŞIK E., antep b., BÜYÜKSARAÇ A.
IV. UluslararasıMesleki ve Teknik Bilimler Kongresi (UMTEB-2018), 7 - 09 December 2018

XI. **STRUCTURAL ANALYSIS OF ERZEN HATUN CUPOLA**
IŞIK E., antep b., BÜYÜKSARAÇ A., AYDIN M. C.
IV. Mesleki ve Teknik Bilimler Kongresi (UMTEB 2018), 7 - 09 December 2018

XII. **Erzen Hatun Kümbetinin Yapısal Analizi.**
IŞIK E., ANTEP B., BÜYÜKSARAÇ A., AYDIN M. C.
UMTEB - 4. Uluslararası Mesleki Ve Teknik Bilimler Kongresi 7-9 Aralık 2018, 7 - 09 December 2018

XIII. **Ahlat İlçesinde Yer Alan Tarihi Yapıların Haritalandırılması.**
IŞIK E., Antep B., BÜYÜKSARAÇ A.
UMTEB - 4. Uluslararası Mesleki Ve Teknik Bilimler Kongresi 7-9 Aralık 2018, 7 - 09 December 2018

XIV. **Bitlis İl Merkezinde Gözlemlenen Kaya Düşmeleri.**
BULUT Ö., BÜYÜKSARAÇ A., IŞIK E., EKİNCİ Y. L., AYDIN M. C.
UMTEB - 4. Uluslararası Mesleki Ve Teknik Bilimler Kongresi, 7 - 09 December 2018

XV. **Mühendislik Çalışmalarında Yapay Zekâ Uygulamaları.**
BÜYÜKSARAÇ A., AYDIN M. C., IŞIK E., ULU A. E.
UMTEB - 4. Uluslararası Mesleki Ve Teknik Bilimler Kongresi, 7 - 09 November 2018

XVI. **ŞIRNAK İLİNİN OLASILIKSAL SİSMİK TEHLİKE ANALİZİ**
ARİN A., IŞIK E., BÜYÜKSARAÇ A., EKİNCİ Y. L.
ŞEHR-İ NUHULUSLARARASI MULTİDİSİPLİNER ÇALIŞMALAR KONGRESİ, Şırnak, Turkey, 8 - 09 September 2018, pp.166-180

XVII. **Structural Analysis of Historic Houses of Bitlis**
IŞIK E., AYDIN M. C., BÜYÜKSARAÇ A., ULU A. E.
ICENS 4th International Conference on Engineering and Natural Sciences, Kiev, Ukraine, 2 - 06 May 2018

XVIII. **Earthquake Resistant Wall Material Production "Puzzle Bims"**
IŞIK E., AYDIN M. C., BÜYÜKSARAÇ A., KARAŞİN İ. B.
IV INTERNATIONAL CONFERENCE ON ENGINEERING AND NATURAL SCIENCES (ICENS-2018, kiev, Ukraine, 2 - 06 May 2018

XIX. **Van Gölüne Dökülen Kotum Deresinde Endüstriyel Kaynakların Oluşturduğu Kirliliğin Tespiti**
AYDIN M. C., AVŞAR E., BÜYÜKSARAÇ A., IŞIK E., KULUÖZTÜRK M. F.
Uluslararası Su ve Çevre Kongresi SUÇEV, 22 - 24 March 2018

XX. **USAGE OF GROUND PENETRATING RADAR (GPR) METHOD IN PALEOSEISMOLOGICALSTUDIES**
KAMACI Z., BEKTAŞ Ö., KOŞAROĞLU S., BÜYÜKSARAÇ A.
9th International Symposium on Eastern Mediterranean Geology, Antalya, Turkey, 7 - 11 May 2018, pp.130-135

XXI. **Use Of The Ground Penetrating Radar (GPR) Method In Paleosismological Studies**
KAMACI Z., BEKTAŞ Ö., KOŞAROĞLU S., BÜYÜKSARAÇ A.
9th International Symposium on Eastern Mediterranean Geology, Antalya, Turkey, 7 - 11 May 2018

XXII. **Estimation of Flow Series using Discrete Wavelet Analysis and Artificial Neural Networks**
AYDIN M. C., CÖMERT Z., IŞIK E., BÜYÜKSARAÇ A., ULU A. E.
4 th International Conference on Engineering and Natural Science (ICENS -2018), 2 - 06 May 2018

XXIII. **Bir Jeomorfolojik Miras Olan Nemrut Kalderasının Üç Boyutlu Modellemesi**
BÜYÜKSARAÇ A., BEKTAŞ Ö., EKİNCİ Y. L.
Uluslararası Jeomorfoloji Sempozyumu, 12 - 14 October 2017

XXIV. **Deprem Zararlarının Azaltılmasında Sismik Mikrobölgeleme**
BÜYÜKSARAÇ A., BEKTAŞ Ö., AYDIN M. C.
Uluslararası Jeomorfoloji Sempozyumu, 12 - 14 October 2017

XXV. **Geotourism and Geoparks in Economic Development**
BÜYÜKSARAÇ A., EKİNCİ Y. L., Ertekin C.
4th International Regional Development Conference, 21 - 23 September 2017, pp.1254

XXVI. **Natural Disaster Diversity of Bitlis City and its Surrounding**
Ekinci R., BÜYÜKSARAÇ A., EKİNCİ Y. L.
International Conference on Multidisciplinary, Science, Engineering andTechnology (IMESET'17 Bitlis), 27 - 29 October 2017

XXVII. **Earth's Internal Heat and Geothermal Energy**
EKİNCİ Y. L., BÜYÜKSARAÇ A., Ertekin C.
International Conference on Multidisciplinary, Science, Engineering andTechnology (IMESET'17 Bitlis), 27 - 29 October 2017

XXVIII. **Geothermal Potential of East Anatolia**
BÜYÜKSARAÇ A., BEKTAŞ Ö., KOŞAROĞLU S.

4. Uluslararası Bölgesel Kalkınma Konferansı, 21 - 23 September 2017

XXIX. **Determination of Geothermal Potential of the Kars Plateau by Using Magnetic Anomaly Data-Preliminary Results**
Aydemir A., BİLİM F., BÜYÜKSARAÇ A., Avcı B.
4. Uluslararası Kalkınma Konferansı, 21 - 23 September 2017

XXX. **Determination of indoor radon gas levels in some buildings which constructed with Ahlat stone in Ahlat/Bitlis**
KULUÖZTÜRK M. F., BÜYÜKSARAÇ A., ÖZBEY F., YALÇIN S., DOĞRU M.
International Conference on Computational and Experimental Science and Engineering (ICCESEN), 4 - 08 October 2017

XXXI. **Organic Geochemical Characteristics And Hydrocarbon Potential Of Tertiary Alpagut-Dodurga Coals In Corum Basin, Turkey**
YALÇIN ERİK N., ASLAN Y., BÜYÜKSARAÇ A.
WMESS 2017, Prag-Çek Cumhuriyeti, 5 - 09 September 2017

XXXII. **KURULUŞTAN KURTULUŞA ŞEHİTLİK ARAŞTIRMALARI**
BÜYÜKSARAÇ A., BEKTAŞ Ö., KOŞAROĞLU S.
AL-FARABI 1st International Congress on Social Sciences, 11 - 14 May 2017

XXXIII. **NEMRUT KRATER GÖLÜ ve ÇEVRESİNİN ULUSLARARASI JEOPARK AĞINA KATILIMI**
Ertekin C., BÜYÜKSARAÇ A., EKİNCİ Y. L., DEMİRCİ A., AVŞAR E., ŞERİFOĞLU T. E., KURŞAT M., TOYRAN K.
AL-FARABI 1st INTERNATIONALCONGRESS ON SOCIALSCIENCES, 11 - 14 May 2017

XXXIV. **The Non-linear Dynamic Analysis for Andiraz Dam by Using Euler Liquid-Structure Interaction**
Aydın S., AYDIN M. C., IŞIK E., BÜYÜKSARAÇ A.
International Conference on Advances and Innovations in Engineering, 10 - 12 May 2017

XXXV. **The Non-linear Dynamic Analysis for Andiraz Dam With the Use of Euler Liquid-Structure Interaction**
AYDIN S., AYDIN M. C., IŞIK E., BÜYÜKSARAÇ A.
International Conference on Advances and Innovations in Engineering (ICAIE), Elazığ, Turkey, 10 - 12 May 2017

XXXVI. **Havadan Manyetik ve Yersel Gravite Yöntemlerinin Aktif Tektonik AraştırmalardaKullanımı Eskişehir Fay Zonu Üzerinde Örnek Çalışma**
Kurban Y. C., ALTUNEL E., BÜYÜKSARAÇ A.
Aktif Tektonik Araştırma Grubu Toplantıları ATAG 20, Turkey, 13 - 15 October 2016

XXXVII. **Effects of Local Soil Conditions on Structural Damages**
IŞIK E., BÜYÜKSARAÇ A., AYDIN M. C.
The 2nd CEPPIS International Conference on Civil Engineering: Present Problems, Innovative Solutions (CEPPIS 2016), 8 - 10 June 2016, pp.191-198

XXXVIII. **COMPATIBILITY OF PARAMETERS OF GROUND AND STRUCTURE FOR SUSTAINABLE SEISMIC SAFETY**
BÜYÜKSARAÇ A.
E-GTZ 2016 3rd Scientific Meeting, 2 - 04 June 2016, pp.537-543

XXXIX. **determination of tectonic structures of east anatolia by using gravity and magnetic**
Öksüztepe Ö., Ayyıldız a., BEKTAŞ Ö., BÜYÜKSARAÇ A.
The world multidisciplinary earth sciences, Prag, Czech Republic, 7 - 11 September 2015, pp.314

XL. **Investigation of Tectonic and Structural Features of Marmara Region by using Aeromagnetic Anomalies**
BÜYÜKSARAÇ A., Ayyıldız A., BEKTAŞ Ö.
The World Multidisciplinary Earth Sciences, Prag, Czech Republic, 7 - 11 September 2015, pp.308

XLI. **GEOPHYSICAL SITE CHARACTERIZATION ASSESSMENT OF AN EARTHQUAKE PRONE AREA CITY OF CANAKKALE NW TURKEY**
BEKLER T., DEMİRCİ A., EKİNCİ Y. L., BÜYÜKSARAÇ A., YALÇINER C. Ç.
Kocaeli 2015 5th International Earthquake Symposium, 10 - 12 June 2015, pp.519-522

XLII. **ÇANAKKALE GÜZELYALI KÖYÜ HEYELAN SAHASISİSMİK TOMOGRAFİ VE İNKLİNOMETRE SONUÇLARININDEĞERLENDİRİLMESİ**

Eyisüren O., BEKLER T., BÜYÜKSARAÇ A.
Kocaeli 2015 International Earthquake Symposium, 10 - 12 June 2015, pp.304-305

XLIII. **Geophysical Site Characterization Assesment of an Earthquake Prone Area City of Canakkale NW TURKEY**
BEKLER T., DEMİRCİ A., EKİNCİ Y. L., BÜYÜKSARAÇ A., YALÇINER C. Ç.
5th International Earthquake Symposium, Kocaeli, Turkey, 10 - 12 June 2015, pp.519-522

XLIV. **Çanakkale Güzelyalı Köyü Heyelan Sahası Sismik Tomografi ve İnklinometre Sonuçlarının Değerlendirilmesi**
EYİSÜREN O., BÜYÜKSARAÇ A., BEKLER T., YALÇINER C. Ç.
Kocaeli 2015 Uluslararası Deprem Sempozyumu, 10 - 12 June 2015

XLV. **Investigation of the organic matter properties and hyrocarbon potential of the Sivas basin Eastern Central Anatolia Turkey**
YALÇIN ERİK N., Aydemir A., BÜYÜKSARAÇ A.
Türkiye 20. Uluslararası Petrol ve Doğalgaz Kongre ve Sergisi IPETGAS 2015, 27 - 29 May 2015

XLVI. **Investigation at Daskyleion antique city (NW Turkey) by geophysical methods**
İren K., Büyüksaraç A., Bektaş Ö., Şengül E., Yıldızhan H.
16 th Symposium on Mediterrenaen Archaeolog (SOMA), Florence, Italy, 1 - 04 January 2012, pp.44

Supported Projects

KARACA Ö., BÜYÜKSARAÇ A., KINCAL C., AHMAD T., Project Supported by Higher Education Institutions, Kahramanmaraş ve Şanlıurfada Doğal Afet Etkilerinin Makine Öğrenme Metodolojisi ile Belirlenmesi, 2023 - Continues
YALÇINER C. Ç., BÜYÜKSARAÇ A., BEKTAŞ Ö., GÜNDOĞDU E., KURBAN Y. C., Project Supported by Higher Education Institutions, Çanakkale Şehitler Abidesi Deprem Dayanımının Araştırılması, 2020 - Continues
YALÇINER C. Ç., KURBAN Y. C., GÜNDOĞDU E., ÖZDEN S., BÜYÜKSARAÇ A., Project Supported by Higher Education Institutions, Ganos Fayı'nın Kavakköy ile Saros Körfezi Arasında Kalan Bölümünün Yüzey ve Yeraltı Geometrisinin Jeofizik Yöntemler ve Termal Görüntüleme Yöntemiyle Araştırılması, 2020 - 2022
Büyüksaraç A., Yücel M. A., Ulugergerli E. U., Demirci A., Şengül Uluocak E., Project Supported by Other Official Institutions, Ağadere Mevkii Şehitlik Alanı Çanakkale Araştırmaları , 2011 - 2011

Metrics

Publication: 164
Citation (WoS): 853
Citation (Scopus): 969
H-Index (WoS): 16
H-Index (Scopus): 18

Non Academic Experience

İller Bankası Genel Md.
Afet İşleri Genel Müdürlüğü
Devlet Su İşleri Genel Müdürlüğü