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International Researcher IDs

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Publons / Web Of Science ResearcherID: P-6637-2019

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Education Information

Doctorate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Jeofizik Mühendisliği (Dr), Turkey 2010 - 2017

Postgraduate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Jeofizik Mühendisliği (YI) (Tezli), Turkey 2006 - 2010

Undergraduate, Dokuz Eylul University, Mühendislik Fakültesi, Jeofizik Mühendisliği Bölümü, Turkey 2001 - 2006

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Data Analysis, Software Carpentry Workshop (Shell, Git, Programming with R), HIDA – the Helmholtz Information & Data Science Academy , 2024

Data Analysis, Intoruction to R, HIDA – The Helmholtz Information & Data Science Academy , 2024

Data Analysis, Helmholtz Reproducibility Workshop, HIDA – The Helmholtz Information & Data Science Academy , 2023

Dissertations

Doctorate, Geothermic studies and numerical modeling heat transfer in Western Turkey, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Jeofizik Mühendisliği (Dr), 2017

Postgraduate, Zaman sinyallerinde pencere etkisinin giderilmesi ve microtremor verilerine uygulanması, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Jeofizik Mühendisliği (YI) (Tezli), 2010

Research Areas

Geophysical Engineering, Ground Physics

Academic Titles / Tasks

Courses

JEOFİZİKTE ÖZEL KONULAR-I, Undergraduate, 2020 - 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Recent Climate Change in Western Black Sea Region of Turkey by Paleoclimatic Reconstruction of Borehole Temperatures**
Çelik B., ERKAN K., TAYANÇ M., Baltacı H., Akkoyunlu B., PAZVANTOĞLU E.
Pure and Applied Geophysics, vol.180, no.10, pp.3607-3620, 2023 (SCI-Expanded)
- II. **Quality-assurance of heat-flow data: The new structure and evaluation scheme of the IHFC Global Heat Flow Database**
Fuchs S., Norden B., Neumann F., Kaul N., Tanaka A., Kukkonen I. T., Pascal C., Christiansen R., Gola G., Šafanda J., et al.
Tectonophysics, vol.863, 2023 (SCI-Expanded)
- III. **Distribution of surface heat flow and effects on the subsurface temperatures in the northern part of Thrace Basin, NW Turkey**
Erkan K., Pazvantoğlu E.
GEOTHERMAL ENERGY, vol.11, no.13, pp.1-16, 2023 (SCI-Expanded)
- IV. **Surface heat flow in western Anatolia (Turkey) and implications to the thermal structure of the Gediz Graben**
Balkan-Pazvantoğlu E., Erkan K., Şalk M., Akkoyunlu B. O., Tayanç M.
TURKISH JOURNAL OF EARTH SCIENCES, 2021 (SCI-Expanded)
- V. **Twentieth-century paleoclimatic modeling of borehole temperatures in western and central Anatolia regions, Turkey**
ERKAN K., Akkoyunlu B., Inal M. O., PAZVANTOĞLU E., TAYANÇ M.
INTERNATIONAL JOURNAL OF EARTH SCIENCES, vol.108, no.4, pp.1137-1146, 2019 (SCI-Expanded)
- VI. **Temperature-depth curves and heat flow in central part of Anatolia, Turkey**
PAZVANTOĞLU E., ERKAN K.
TECTONOPHYSICS, vol.757, pp.24-34, 2019 (SCI-Expanded)
- VII. **A portable borehole temperature logging system using the four-wire resistance method**
ERKAN K., Akkoyunlu B., Balkan E., TAYANÇ M.
JOURNAL OF GEOPHYSICS AND ENGINEERING, vol.14, no.6, pp.1413-1419, 2017 (SCI-Expanded)
- VIII. **Thermal conductivity of major rock types in western and central Anatolia regions, Turkey**
Balkan E., Erkan K., Şalk M.
JOURNAL OF GEOPHYSICS AND ENGINEERING, vol.14, no.4, pp.909-919, 2017 (SCI-Expanded)

Articles Published in Other Journals

- I. **BULANIK MANTIK FUZZY LOGIC VE JEOFİZİKTE KULLANILANLARI SİSMOLOJİ ÖRNEĞİ**
KAFTAN İ., BALKAN E., ŞALK M.
Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, vol.15, no.2, pp.15-29, 2013 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Assessment of the Türkiye Heat Flow Database 2023**
Pazvantoğlu E., Neumann F., Norden B., Fuchs S.
European Geosciences Union General Assembly 2024, Vienna, Austria, 14 - 19 April 2024, pp.1
- II. **The heat flow data assessment project: Transformation of the global heat flow database**
Neumann F., Fuchs S., Norden B., Pazvantoğlu E., Petrunin A., Elbarbary S.
The EGU24 General Assembly, Vienna, Austria, 14 - 19 April 2024, pp.1
- III. **Ege Bölgesinin Kabuk ve Üst Manto Yapısının Tümüleşik Sismolojik ve Gravite Yöntemleriyle Araştırılması**
Gök E., Kaftan İ., Kaplan M., Sındırgı P., Özyalın Ş., Erhan Z., Kurtulmuş T. Ö., Pazvantoğlu E., Turan Karaoğlu S., Şalk M.
On yılın ardından Ulusal Deprem Araştırma Programı Çalıştayı(2023 UDAP), Ankara, Turkey, 23 - 24 November 2023, pp.58-70
- IV. **Surface heat flow in Western Anatolia (Turkey) and implications to the thermal structure of the Gediz Graben**
PAZVANTOĞLU E., ERKAN K., ŞALK M., AKKOYUNLU B. O., TAYANÇ M.
INTERNATIONAL WORKSHOP ON "GEOTHERMAL ENERGY FOR SUSTAINABLE DEVELOPMENT" GeoESD2021, Turkey, 08 December 2021
- V. **ORTA ANADOLU'DA ISI AKISININ DAĞILIMI VE TEKTONİK SONUÇLARI**
BALKAN E., ERKAN K.
Aktif Tektonik Araştırma Grubu 22. Çalıştayı, Çanakkale, Turkey, 1 - 03 November 2018
- VI. **EGE BÖLGESİNDE JEOTERMAL GRADYAN DAĞILIMI**
BALKAN E., ERKAN K., ŞALK M., AKKOYUNLU B. O., TAYANÇ M.
ULUSLARARASI KATILIMLITÜRKİYE ULUSAL JEODEZİ VE JEOFİZİK BİRLİĞİ BİLİMSEL KONGRESİ, İzmir, Turkey, 30 May - 02 June 2018
- VII. **Paleoclimatic Modeling of Borehole Temperature Depth Data and Applications for the Recent Climatic Changes in Western Anatolia**
inal m. o., ERKAN K., TAYANÇ M., AKKOYUNLU B. O., BALKAN E., Eren E. S., aydın y.
EGU General Assembly 2016, 17 - 22 April 2016
- VIII. **Development of a High Precision Thermistor Probe for Paleo Climate Studies**
ERKAN K., BALKAN E., atikol f., başaran t.
IPCAP 2016, 25 - 27 February 2016
- IX. **Development of a Digital Output Temperature Probe for Precision Measurements**
ERKAN K., DOĞRUEL M., BAYAT F. K., AKKOYUNLU B. O., TAYANÇ M., BALKAN E.
GRC 40th annual meeting, 20 - 23 September 2015, vol.39
- X. **Development of a Digital Output Temperature Probe for Precision Measurements**
erkan k., doğrue l m., bayat k., akkoyunlu b., tayanç m., BALKAN E., Hamamcı S.
39 th Annual Meeting GRC, 20 - 23 September 2015
- XI. **Thermal conductivities of major rock types located in western Turkey**
BALKAN E., ERKAN K., ŞALK M.
IPETGAS 2015 Türkiye 20. uluslararası Petrol ve Doğal gaz kongre ve sergisi, 27 - 29 May 2015
- XII. **Dokuz Eylül Üniversitesi Şenlik Alanında Yapılan Jeofizik Çalışmalar**
AKDEMİR Ö., BERGE M. A., KAFTAN İ., ERHAN Z., BALKAN E.
Türkiye 19. Uluslararası Jeofizik Kongre ve Sergisi, Ankara, Turkey, 23 - 26 November 2010
- XIII. **Dokuz Eylül Üniversitesi Kaynaklar Yerleşkesinde Yapılan Mikrotremör Ölçümleri**
AKDEMİR Ö., BALKAN E., KAFTAN İ., ERHAN Z., BERGE M. A.
Türkiye 19. Uluslararası Jeofizik Kongre ve Sergisi, Ankara, Turkey, 23 - 26 November 2010

Supported Projects

Gök E., Kaftan İ., Sındırgı P., Özyalın Ş., Erhan Z., Kurtulmuş T. Ö., Pazvantoğlu E., Turan Karaoğlu S., Şalk M., Kaplan M.,

Project Supported by Other Official Institutions, Investigation of the crustal and upper mantle structure of the Aegean Region by integrated seismological and gravity methods, 2023 - 2025
ŞALK M., PAZVANTOĞLU E., KAFTAN İ., Project Supported by Higher Education Institutions, BATI ANADOLUNUN ISI İLETİM KATSAYILARININ ÖLÇÜLMESİ VE ISI AKISI MODELLEMESİ, 2014 - 2017
TUBİTAK Project, KUYU SICAKLIK DERİNLİK ÖLÇÜM SİSTEMİ GELİŞTİRMEVE TÜRKİYE DE SON İKİ YÜZYILLIK İKLİM DEĞİŞİMİNİN ARAŞTIRILMASI, 2014 - 2016

Memberships / Tasks in Scientific Organizations

International Heat Flow Commission (IHFC), Member, 2023 - Continues, Germany

Scientific Refereeing

Uluslararası Doğu Anadolu Fen Mühendislik ve Tasarım Dergisi, Other Journals, January 2023
Osmaniye Korkut Ata Üniversitesi Fen Bilimleri Enstitüsü Dergisi (Online), National Scientific Refreed Journal, February 2022
ADVANCES IN MATERIALS SCIENCE AND ENGINEERING, Journal Indexed in SCI-E, April 2020

Tasks In Event Organizations

Pazvantoğlu E., INTERNATIONAL SYMPOSIUM SERIES ON GRADUATE RESEARCHES (Engineering Science), Scientific Congress, Turkey, Kasım 2022

Metrics

Publication: 24
Citation (WoS): 46
Citation (Scopus): 46
H-Index (WoS): 3
H-Index (Scopus): 2

Congress and Symposium Activities

The International Union of Geodesy and Geophysics (IUGG) General Assembly 2023 , Audience, Berlin, Germany, 2023
Heat Flow Workshop on Africa, South Atlantic and South and Central America, Attendee, Potsdam, Germany, 2023
Workshop on Heat flow in Antarctica , Attendee, Potsdam, Germany, 2023
The Heat Flow Summerschool 2023, Attendee, Potsdam, Germany, 2023
NTERNATIONAL SYMPOSIUM SERIES ON GRADUATE RESEARCHES, Session Moderator, İzmir, Turkey, 2022

Scholarships

heatflow.fellowships, Official Institutions of Foreign Countries, 2023 - 2023