

Asst. Prof. ÖZGENÇ AKIN

Personal Information

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International Researcher IDs

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Yoksis Researcher ID: 183738

Education Information

Doctorate, Karadeniz Technical University, Jeofizik Mühendisliği, Turkey 2014 - 2020

Postgraduate, Karadeniz Technical University, -, Jeofizik Mühendisliği, Turkey 2012 - 2014

Undergraduate, Sivas Cumhuriyet University, Mühendislik Fakültesi, Jeofizik Mühendisliği, Turkey 2005 - 2009

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Investigation of the soil properties of landslide sites in the south of Trabzon-Ortahisar district with active and passive surface wave methods, Karadeniz Technical University, Mühendislik Fakültesi, Jeofizik Mühendisliği, 2020

Postgraduate, ARSİN İLÇE MERKEZİNDE (TRABZON) ZEMİN PARAMETRELERİNİN YÜZEY DALGASI YÖNTEMLERİYLE BELİRLENMESİ, Karadeniz Technical University, Mühendislik Fakültesi, Jeofizik Mühendisliği, 2014

Research Areas

Seismology, Earthquake Seismology, Search Seismology

Academic Titles / Tasks

Assistant Professor, Karadeniz Technical University, Mühendislik Fakültesi, Jeofizik Mühendisliği, 2022 - Continues

Research Assistant PhD, Karadeniz Technical University, Mühendislik Fakültesi, Jeofizik Mühendisliği, 2020 - Continues

Research Assistant, Karadeniz Technical University, Mühendislik Fakültesi, Jeofizik Mühendisliği, 2011 - Continues

Courses

Engineering Seismology, Undergraduate, 2021 - 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- I. An assessment of seismicity and near surface geophysical characteristics of potential solid waste landfill sites in the Eastern Black Sea Region of Turkiye
Karşlı H., Babacan A. E., Sayıl N. L., Çoban K. H., Akın Ö.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.31, pp.14156-14177, 2024 (SCI-Expanded)
- II. Subsurface characterization by active and passive source geophysical methods after the 06 February 2023 earthquakes in Turkey
KARSLI H., BABACAN A. E., AKIN Ö.
Natural Hazards, 2024 (SCI-Expanded)
- III. Mapping the basement of the Cerdanya Basin (eastern Pyrenees) using seismic ambient noise
Díaz J., Ventosa S., Schimmel M., Ruiz M., Macau A., Gabàs A., Martí D., Akin Ö., Vergés J.
Solid Earth, vol.14, no.5, pp.499-514, 2023 (SCI-Expanded)
- IV. The investigation of soil-structure resonance of historical buildings using seismic refraction and ambient vibrations HVSR measurements: a case study from Trabzon in Turkey
Babacan A. E., Akın Ö.
ACTA GEOPHYSICA, vol.66, no.6, pp.1413-1433, 2018 (SCI-Expanded)
- V. Site characterization using surface wave methods in the Arsin-Trabzon province, NE Turkey
AKIN Ö., SAYIL N. L.
ENVIRONMENTAL EARTH SCIENCES, vol.75, no.1, 2016 (SCI-Expanded)

Books & Book Chapters

- I. Deprem Bilimi
BÜYÜKSARAÇ A., SAYIL N. L., BEKTAŞ Ö., AKIN Ö.
Gazi, Ankara, 2018

Refereed Congress / Symposium Publications in Proceedings

- I. Investigation of Seismicity of Southwest Anatolia by Using Poisson and Exponential Distribution Models
Akın F. G., SAYIL N. L., AKIN Ö.
VI. International Earthquake Symposium Kocaeli 2019, Kocaeli, Turkey, 25 - 28 September 2019, pp.817-820
- II. Investigation of Seismicity of Central Aegean Region Using Exponential Distribution Model
Akın F. G., SAYIL N. L., AKIN Ö.
VI. International Earthquake Symposium Kocaeli 2019, Kocaeli, Turkey, 25 - 28 September 2019, pp.885-888
- III. Evaluation of Soil Liquefaction Potential by Using Microtremor Measurements In Trabzon, Turkey
Ceylan S., BABACAN A. E., AKIN Ö.
New Trends in Geophysics and Engineering 2018, İstanbul, Turkey, 7 - 09 November 2018, pp.154-157
- IV. Evaluation of Soil Liquefaction Potential by Using Microtremor Measurements in Trabzon, Turkey
CEYLAN S., BABACAN A. E., AKIN Ö.
New Trends in Geophysics and Engineering 2018, İstanbul, Turkey, 7 - 09 November 2018, pp.1-5
- V. Evaluation of Soil Liquefaction Potential by Using Microtremor Measurements In Trabzon, Turkey
Ceylan S., BABACAN A. E., AKIN Ö.
New Trends in Geophysics and Engineering 2018, İstanbul, Turkey, 7 - 09 November 2018, pp.1-4
- VI. Investigation of Vulnerability Index by Single Station Microtremor Method: A Case of KTU Campus

- BEKER Y., SAYIL N. L., AKIN Ö., ÇOBAN K. H.
New Trends in Geophysics and Engineering 2018, İstanbul, Turkey, 7 - 09 November 2018, pp.79-82
- VII. **Investigation of historical buildings soil-structure interaction and resonance risk - A case study of Trabzon**
AKIN Ö., BABACAN A. E.
24th European Meeting of Environmental and Engineering Geophysics, Porto, Portugal, 9 - 13 September 2018
- VIII. **Determination of Samsun province earthquake risk according to probabilistic and deterministic approaches**
SAYIL N. L., ÇOBAN K. H., AKIN Ö.
9th Congress of the Balkan Geophysical Society, Antalya, Turkey, 5 - 09 November 2017, pp.1-5
- IX. **Seismicity for the Eastern Black Sea region with statistical approaches**
SAYIL N. L., ÇOBAN K. H., AKIN Ö.
9th Congress of the Balkan Geophysical Society, Antalya, Turkey, 5 - 09 November 2017, pp.1-5
- X. **Modeling of Soil Parameters Obtained by Geophysical Methods Using GIS: A case Study in Trabzon**
ÇOBAN K. H., AKIN Ö., SAYIL N. L.
International Symposium on GIS Applications in Geography and Geosciences, Çanakkale, Turkey, 18 - 21 October 2017, pp.1-5
- XI. **Zeminlerin Yapı Üzerindeki Etkilerinin Mikrotremor ve GPR Yöntemleri ile Araştırılması: Sivas Örneği**
AKIN Ö., KOŞAROĞLU S., BEKTAŞ Ö.
4. International Earthquake Engineering and Seismology Congress, Eskişehir, Turkey, 11 - 13 October 2017, pp.7
- XII. **A Survey of Seismicity for Western Anatolia by Using Poisson Model**
AKIN Ö., BAYINDIR G., SAYIL N. L.
4. International Earthquake Engineering and Seismology Congress, Eskişehir, Turkey, 11 - 13 October 2017, pp.1-5
- XIII. **Evaluation of Single Station Microtremor Method Data using Different Methods**
AKIN Ö., Pamuk E., Özdağ Ö. C., SAYIL N. L., Akgün M.
International Multidisciplinary Congress of Eurasia, IV. IMCOFE, Roma, Italy, 23 - 25 August 2017, pp.1-5
- XIV. **Determination of the Ground building Relationships in the KTU Campus Area with Microtremor Measurements**
BEKER Y., SAYIL N. L., AKIN Ö., ÇOBAN K. H.
22nd European Meeting of Environmental and Engineering Geophysics, 4 - 08 September 2016
- XV. **Evaluation of KTU Farabi Hospital Building Strength Comparing of the Ground by Using Single Station Microtremor Method**
AKIN Ö., SAYIL N. L.
22nd European Meeting of Environmental and Engineering Geophysics, Barcelona, Spain, 4 - 08 September 2016, pp.5
- XVI. **Determination of the Ground-building Relationships in the KTU Campus Area with Microtremor Measurements"**
SAYIL N. L., AKIN Ö., BEKER Y., ÇOBAN K. H.
22nd European Meeting of Environmental and Engineering Geophysics. Near Surface Geoscience (EAGE), Barcelona, Spain, 4 - 08 September 2016, pp.1
- XVII. **Determining the Relationship between Predominant Frequency and Damping Ratio by Using Single Station Microtremor Recordings**
AKIN Ö., BABACAN A. E.
2nd International Conference on Engineering and Natural Sciences (ICENS), Saraybosna, Bosnia And Herzegovina, 24 - 28 May 2016
- XVIII. **GRAFİK ARAYÜZÜ KULLANILARAK REFERANS İSTASYONUNA GÖRE SPEKTRAL ORANLAR S R YÖNTEMİNDEN BÜYÜTME DEĞERİNİN BELİRLENMESİ**
ÇOBAN K. H., AKIN Ö., SAYIL N. L.
3. Türkiye Deprem Mühendisliği ve Sismoloji Konferansı, İzmir, Turkey, 14 - 16 October 2015
- XIX. **Determination of the Amplitude Values with Nakamura (H/V) Method and Standard Spectral Ratio (SSR) Method at Ktu Campus**

- Beker Y., SAYIL N. L., AKIN Ö.
8th Congress of Balkan Geophysical Society-2015, Girit, Greece, 4 - 08 October 2015, pp.1-4
- XX. Tek İstasyon Mikrotremor Kayıtları Kullanılarak İki Farklı Yöntemle Büyüütme Değerlerinin Karşılaştırılması**
AKIN Ö., ÇOBAN K. H., SAYIL N. L.
5th International Earthquake Symposium, Kocaeli/ Türkiye, Kocaeli, Turkey, 10 - 12 June 2015, pp.1
- XXI. TEK İSTASYON MİKROTREMOR KAYITLARI KULLANILARAK İKİ FARKLI YÖNTEMLE BÜYÜTME DEĞERLERİNİN KARŞILAŞTIRILMASI**
AKIN Ö., ÇOBAN K. H., SAYIL N. L.
Kocaeli 2015 8th International Earthquake Symposium, Kocaeli, Turkey, 10 - 12 June 2015
- XXII. KTÜ Fen-Edebiyat Fakülte Binasının Hakim Frekans ve Büyüütme Değerlerinin Mikrotremor Ölçümüyle Belirlenmesi**
DİKMEN Z., YÖRÜK M., KELEŞOĞLU D., AKIN Ö., SAYIL N. L.
Genç Yerbilimciler Kongresi, İzmir, Turkey, 5 - 07 June 2015, pp.12
- XXIII. Tek İstasyon Mikrotremor Yönteminde Baskın Frekans ve H/V Oranının Kayıt Uzunluğu ve Zemin Özelliklerine Göre Değişimi (Ktü Kampüs Örneği)**
AKAR Z. B., MURTEZAÖGLU M., AKIN Ö., ÇOBAN K. H., SAYIL N. L.
Genç Yerbilimciler Kongresi, İzmir, Turkey, 5 - 07 June 2015, pp.8
- XXIV. İzmir ve çevresinin depremselliğinin incelenmesi**
BAYINDIR G., AKIN Ö., ÇOBAN K. H., SAYIL N. L.
Genç Yerbilimciler Kongresi, İzmir, Turkey, 5 - 07 June 2015, pp.6
- XXV. Tek istasyon mikrotremor kayıtları kullanılarak iki farklı yöntemle büyütme değerlerinin karşılaştırılması**
AKIN Ö., ÇOBAN H., SAYIL N. L.
5. Uluslararası Deprem Sempozyumu Kocaeli 2015, Kocaeli, Turkey, 3 - 12 June 2015, pp.1-4
- XXVI. A Combination of Fundamental Mode Dispersion Curves Obtained from Remi and Masw Methods-Examples from Trabzon (Arsin)**
AKIN Ö., SAYIL N. L., ŞENKAYA M.
8 th International Symposium on Eastern Mediterranean Geology, Muğla, Turkey, 13 - 17 October 2014, pp.11
- XXVII. Determination of ground predominant period and H/V ratio by single station Microtremor records in Trabzon (Arsin)**
AKIN Ö., SAYIL N. L., BEKER Y.
20th European Meeting of Environmental and Engineering Geophysics, Atina, Greece, 14 - 18 September 2014, pp.1-4
- XXVIII. Geophysical Survey on A Landslide Area is in The Trabzon City Centre Northern Turkey**
AKIN Ö., SAYIL N. L.
7th Congress of Balkan Geophysical Society, Tiran, Albania, 7 - 10 October 2013, pp.1-4
- XXIX. The European VLF/LF Radio Network to Search for Earthquake Precursors**
BÜYÜKSARAÇ A., BEKTAŞ Ö., KOŞAROĞLU S., AKIN Ö.
6 th Congress of Balkan Geophysical Society, Budapeşte, Hungary, 3 - 06 October 2011, pp.7

Supported Projects

Bektaş Ö., Büyüksaraç A., Akın Ö., Canbaz O., Koşaroğlu S., Akar F., Önal K. M., Project Supported by Other Official Institutions, SİVAS MERKEZ TEMEL KAYA/SİSMİK TEMEL DERİNLİK HARİTASININ OLUŞTURULMASI, 2021 - 2023
AKIN Ö., SAYIL N. L., ÇOBAN K. H., SÜNNETCİ M. O., ŞENKAYA M., Project Supported by Higher Education Institutions, Yeni Jeofiziksel Parametreler Eklenderek Analitik Hiyerarşi Süreci ile Oluşturulan Heyelan Duyarlılık Çalışmalarının Gelişimine Katkıda Bulunması Trabzon Değirmendere Vadisi Örneği, 2021 - 2023
Sayıl N. L., Akın Ö., Project Supported by Higher Education Institutions, Arsin İlçe Merkezinde Trabzon Zemin Parametrelerinin Yüzey DALgası Yöntemleriyle Belirlenmesi KTÜ Bilimsel Araştırma Projesi, 2014 - 2016

Metrics

Publication: 35

Citation (WoS): 29

Citation (Scopus): 33

H-Index (WoS): 2

H-Index (Scopus): 2

Non Academic Experience

Karadeniz Teknik Üniversitesi