

# Prof. NİLGÜN LÜTFİYE SAYIL

## Personal Information

**Office Phone:** [+90 462 377 2006](tel:+904623772006)

**Email:** sayil@ktu.edu.tr

**Web:** <https://avesis.ktu.edu.tr//sayil>

**Address:** Karadeniz Teknik Üniversitesi Mühendislik Fakültesi Jeofizik Mühendisliği Bölümü 61080 Trabzon Türkiye

## International Researcher IDs

ScholarID: GUGKERSAAAAJ

ORCID: 0000-0002-2686-6473

Publons / Web Of Science ResearcherID: J-5265-2013

ScopusID: 6506552752

Yoksis Researcher ID: 152032

## Education Information

Doctorate, Istanbul University, Institute Of Graduate Studies In Sciences, Jeofizik Mühendisliği Anabilimdalı, Turkey 1994 - 1998

Postgraduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Jeofizik Mühendisliği Anabilimdalı, Turkey 1989 - 1992

Undergraduate, Karadeniz Technical University, Mühendislik Fakültesi, Jeofizik Mühendisliği Bölümü, Turkey 1985 - 1989

## Foreign Languages

English, B2 Upper Intermediate

## Dissertations

Doctorate, Karadeniz ve Civarında Kabuk ve Üst Manto Yapısının İncelenmesi, Istanbul University, Fen Bilimleri Enstitüsü, Jeofizik Mühendisliği \Sismoloji, 1998

Postgraduate, Rayleigh Dalgası Dispersiyon Verileriyle Doğu Anadolu ve Civarında Yer kabuğu ve Üst Manto Yapısının İncelenmesi, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Jeofizik Mühendisliği Bölümü \Sismoloji, 1992

## Research Areas

Geophysical Engineering, Seismology, Earthquake Seismology, Applied Geophysics, Search Seismology, Ground Physics, Engineering and Technology

## Academic Titles / Tasks

Professor, Karadeniz Technical University, Mühendislik Fakültesi, Jeofizik Mühendisliği, 2014 - Continues

Associate Professor, Karadeniz Technical University, Mühendislik Fakültesi, Jeofizik Mühendisliği, 2009 - 2014

Assistant Professor, Karadeniz Technical University, Mühendislik Fakültesi, Jeofizik Mühendisliği, 2001 - 2009

Research Assistant PhD, Karadeniz Technical University, Mühendislik Fakültesi, Jeofizik Mühendisliği, 1998 - 2001

Research Assistant, Karadeniz Technical University, Mühendislik Fakültesi, Jeofizik Mühendisliği, 1992 - 1998

## Academic and Administrative Experience

Head of Department, Karadeniz Technical University, Mühendislik Fakültesi, Jeofizik Mühendisliği, 2021 - Continues

Karadeniz Technical University, Mühendislik Fakültesi, Jeofizik Mühendisliği, 2015 - 2018

Karadeniz Technical University, Mühendislik Fakültesi, Jeofizik Mühendisliği, 2014 - 2017

Karadeniz Technical University, Mühendislik Fakültesi, Jeofizik Mühendisliği Bölümü, 2012 - 2015

## Jury Memberships

Associate Professor Exam, Associate Professor Exam, Karadeniz Technical University, December, 2023

Associate Professor Exam, Associate Professor Exam, Karadeniz Teknik Üniversitesi, July, 2023

Associate Professor Exam, Associate Professor Exam, Karadeniz Technical University, May, 2023

Doctoral Examination, Doctoral Examination, Kocaeli Üniversitesi, May, 2023

Associate Professor Exam, Associate Professor Exam, Karadeniz Technical University, May, 2023

Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, March, 2023

Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Dokuz Eylül Üniversitesi, February, 2023

Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Karadeniz Teknik Üniversitesi, December, 2022

Associate Professor Exam, Associate Professor Exam, Yeditepe Üniversitesi, December, 2022

Doctorate, Doctorate, Dokuz Eylül Üniversitesi, June, 2022

Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Gümüşhane Üniversitesi, February, 2022

Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Kocaeli Üniversitesi, October, 2021

Associate Professor Exam, Associate Professor Exam, Boğaziçi Üniversitesi, July, 2021

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Bitlis Eren Üniversitesi, February, 2021

Associate Professor Exam, Associate Professor Exam, Çanakkale Onsekiz Mart Üniversitesi, August, 2020

Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Gümüşhane Üniversitesi, June, 2020

Associate Professor Exam, Associate Professor Exam, İstanbul Teknik Üniversitesi, February, 2020

Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Çanakkale Onsekiz Mart Üniversitesi, January, 2020

Associate Professor Exam, Associate Professor Exam, Dokuz Eylül Üniversitesi, August, 2019

Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, İstanbul Rumeli Üniversitesi, May, 2018

Associate Professor Exam, Associate Professor Exam, Bitlis Eren Üniversitesi, March, 2018

Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, İstanbul Medeniyet Üniversitesi, March, 2018

Appointment to Academic Staff-Assistant Professorship, Profesörlük ataması, Dokuz Eylül Üniversitesi, November, 2017

Appointment to Academic Staff-Assistant Professorship, Yardımcı Doçent kadrosuna atama jürisi, KTU Engineering Faculty Department of Geophysics, March, 2017

Appointment to Academic Staff-Assistant Professorship, Yardımcı Doçent atama jürisi, KTU Engineering Faculty Department of Geophysics, January, 2017

Appointment to Academic Staff-Assistant Professorship, Profesör kadrosuna atama jürisi, KTU Engineering Faculty

Department of Geophysics, November, 2016

Associate Professor Exam, Doçentlik Sınav Jürisi, İU Engineering Faculty Department of Geophysics, April, 2016

Post Graduate, Yüksek lisans tez sınavı jüri üyeliği, Kocaeli Üniversitesi, January, 2015

Post Graduate, Yüksek lisans tez sınavı jüri üyeliği, Kocaeli Üniversitesi, January, 2015

Post Graduate, Yüksek lisans tez sınavı jüri üyeliği, KTU Engineering Faculty Department of Geophysics, June, 2013

Academic Staff Examination, Araştırma Görevlisi sınav Jürisi, KTU Engineering Faculty Department of Geophysics, August, 2012

Post Graduate, Yüksek lisans tez sınavı jüri üyeliği, KTU Engineering Faculty Department of Geophysics, June, 2011

Post Graduate, Yüksek lisans tez sınavı jüri üyeliği, KTU Engineering Faculty Department of Geophysics, October, 2010

Post Graduate, Yüksek lisans tez sınavı jüri üyeliği, Kocaeli Üniversitesi, October, 2009

Post Graduate, Yüksek lisans tez sınavı jüri üyeliği, KTU Engineering Faculty Department of Geophysics, September, 2008

Doctorate, Doktora tez sınavı jüri üyeliği, KTU Engineering Faculty Department of Geophysics, June, 2006

Post Graduate, Yüksek lisans tez sınavı jüri üyeliği, KTU Engineering Faculty Department of Geophysics, April, 2006

Post Graduate, Yüksek lisans tez sınavı jüri üyeliği, KTU Engineering Faculty Department of Geophysics, July, 2004

Post Graduate, Yüksek lisans tez sınavı jüri üyeliği, KTU Engineering Faculty Department of Geophysics, April, 2004

## **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 Türkiye**  
Karlı H., Babacan A. E., Sayıl N. L., Çoban K. H., Akn Ö.  
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.31, no.9, pp.14156-14177, 2024 (SCI-Expanded)
- II. **Magnitude Type Conversion Models for Earthquakes in Turkey and Its Vicinity with Machine Learning Algorithms**  
ÇOBAN K. H., Sayıl N. L.  
JOURNAL OF EARTHQUAKE ENGINEERING, vol.27, no.9, pp.2533-2554, 2023 (SCI-Expanded)
- III. **Estimation of site dynamic characteristics using ambient noise measurements in KTU campus, Trabzon, NE Turkey**  
Beker Usta Y., Sayıl N. L.  
Arabian Journal Of Geosciences, vol.15, no.125, pp.1-15, 2022 (SCI-Expanded)
- IV. **Time-dependent model for earthquake occurrence and effects of design spectra on structural performance: a case study from the North Anatolian Fault Zone, Turkey**  
Isik E., Ekinci Y. L., Sayıl N. L., Büyüksaraç A., Aydın M. C.  
TURKISH JOURNAL OF EARTH SCIENCES, vol.30, no.2, pp.215-234, 2021 (SCI-Expanded)
- V. **Conditional Probabilities of Hellenic Arc Earthquakes Based on Different Distribution Models**  
ÇOBAN K. H., Sayıl N. L.  
PURE AND APPLIED GEOPHYSICS, vol.177, no.11, pp.5133-5145, 2020 (SCI-Expanded)
- VI. **Different probabilistic models for earthquake occurrences along the North and East Anatolian fault zones**  
Çoban K. H., Sayıl N. L.  
ARABIAN JOURNAL OF GEOSCIENCES, vol.13, no.18, 2020 (SCI-Expanded)
- VII. **Evaluation of earthquake recurrences with different distribution models in western Anatolia**  
Çoban K. H., Sayıl N.  
JOURNAL OF SEISMOLOGY, vol.23, no.6, pp.1405-1422, 2019 (SCI-Expanded)
- VIII. **APPLICABILITY OF TIME-DEPENDENT SEISMICITY MODEL FOR EARTHQUAKE OCCURRENCE ALONG THE NORTH ANATOLIAN FAULT ZONE**  
SAYIL N. L.  
ANADOLU UNIVERSITY JOURNAL OF SCIENCE AND TECHNOLOGY –A Applied Sciences and Engineering, vol.20, no.3, pp.238-251, 2019 (SSCI)
- IX. **Shallow geophysical techniques to investigate the groundwater table at the Great Pyramids of Giza,**

## **Egypt**

Sharafeldin S. M., Essa K. S., Youssef M. A. S., Karshi H., Diab Z. E., Sayil N.

GEOSCIENTIFIC INSTRUMENTATION METHODS AND DATA SYSTEMS, vol.8, no.1, pp.29-43, 2019 (SCI-Expanded)

- X. **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)
- XI. **Evaluation of the seismicity for the Marmara region with statistical approaches**  
Sayil N.  
ACTA GEODAETICA ET GEOPHYSICA, vol.49, no.3, pp.265-281, 2014 (SCI-Expanded)
- XII. **Long-term earthquake prediction in the Marmara region based on the regional time- and magnitude-predictable model**  
Sayil N. L.  
ACTA GEOPHYSICA, vol.61, no.2, pp.338-356, 2013 (SCI-Expanded)
- XIII. **Long-term earthquake prediction in western Anatolia with the time- and magnitude-predictable model**  
Sayil N. L.  
NATURAL HAZARDS, vol.66, no.2, pp.809-834, 2013 (SCI-Expanded)
- XIV. **An investigation of seismicity for western Anatolia**  
Sayil N. L., Osmansahin I.  
NATURAL HAZARDS, vol.44, no.1, pp.51-64, 2008 (SCI-Expanded)
- XV. **An application of the time- and magnitude-predictable model to long-term earthquake prediction in eastern Anatolia**  
Sayil N. L.  
JOURNAL OF SEISMOLOGY, vol.9, no.3, pp.367-379, 2005 (SCI-Expanded)
- XVI. **Investigation of crust and upper-mantle structure in the Black Sea with group-velocity data**  
Sayil N., Osmansahin I.  
BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA, vol.90, no.4, pp.870-875, 2000 (SCI-Expanded)

## **Articles Published in Other Journals**

- I. **Microzonation based on site effect using active and passive source surface waves data: the case of Gümüşhane**  
Beker Y., SAYIL N.  
Gümüşhane Üniversitesi Fen Bilimleri Dergisi, vol.14, no.2, pp.639-653, 2024 (Peer-Reviewed Journal)
- II. **24 Ocak 2020 Sivrice (Elazığ) Depreminin ğarthlı Olasılığının Değerlendirilmesi**  
Çoban K. H., Sayil N. L.  
Çukurova Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, vol.35, no.4, pp.1009-1019, 2020 (Peer-Reviewed Journal)
- III. **A New Strong-Ground Motion Attenuation Relationship for the Middle Part of North Anatolian Fault Zone (NAFZ)**  
Gençoğlu A., Sayil N. L.  
Turkish Journal of Earthquake Research, vol.1, no.1, pp.1-14, 2019 (Peer-Reviewed Journal)
- IV. **Kuzey Anadolu Fay Zonu'nun (KAFZ) Orta Kesimi İçin Yeni Bir Kuvvetli Yer Hareketi Azalım İlişkisi**  
Gençoğlu A., SAYIL N. L.  
Turkish Journal of Earthquake Research, vol.1, no.1, pp.1-14, 2019 (Peer-Reviewed Journal)
- V. **Investigation of the seismicity of East Anatolian fault zone (EAFZ) according to Poisson and Exponential distribution models**  
ÇOBAN K. H., SAYIL N. L.  
Düzce University Journal of Science Technology, vol.6, no.2, pp.491-500, 2018 (Peer-Reviewed Journal)
- VI. **Application of discrimination filter based on the polarization to the surface wave records**

- SAYIL N. L.  
Open Access Library Journal, vol.1, pp.1-15, 2014 (Scopus)
- VII. **Determination of the Crust and Upper-Mantle Structure in Anatolia by Surface Wave Data**  
Sayıl N. L.  
Natural Science, vol.6, no.12, pp.968-977, 2014 (Peer-Reviewed Journal)
- VIII. **A modified surface wave particle motion discrimination process**  
KUTLU Y. A., SAYIL N. L.  
INTERNATIONAL JOURNAL OF PHYSICAL SCIENCES, vol.8, no.10, pp.395-405, 2013 (Peer-Reviewed Journal)
- IX. **An Investigation of Seismicity for the Aegean and Mediterranean Regions**  
SAYIL N. L.  
International Journal of Geology, vol.2, no.3, pp.44-47, 2009 (Scopus)
- X. **DOĞU ANADOLU'NUN DEPREMSELLİĞİNİN İNCELENMESİ**  
Sayıl N. L., Osmañahin İ.  
Deprem Sempozyumu Kocaeli 2003, vol.12, no.10, pp.1-10, 2003 (Conference Book)
- XI. **Near field travel-time solutions for Anatolia**  
Osmañahin İ., SAYIL N. L.  
J.Balkan Geophys. Soc., vol.4, no.1, pp.3-8, 2001 (Peer-Reviewed Journal)
- XII. **Pn wave Velocity Beneath Anatolia from the First Arrivals**  
OSMANSAHIN İ., SAYIL N. L.  
Bulletin of International Institute of Seismology and Earthquake Engineering, vol.30, pp.77-85, 1996 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Deprem Bilimi**  
BÜYÜKSARAÇ A., SAYIL N. L., BEKTAŞ Ö., AKIN Ö.  
Gazi, Ankara, 2018
- II. **Yapı ve Zemin Periyodunun Belirlenmesi ve Rezonans Durumu**  
SAYIL N. L., UTKU M., Pınar R., Varan S., ÖZYALIN Ş., ÖZÇEP F., KAYA M. A., KADIOĞLU S., PENPECİOĞLU M., ÖZİÇER S., et al.  
in: Prof.Dr.Rahmi PINAR Kentleşme ve Yapı İncelemeleri Çalıştayı Kitabı, Yrd.Doç.Dr.Emre TİMUR, Jeofizik Yük.Müh.Sinancan ÖZİÇER, Editor, TMMOB Jeofizik Mühendisleri Odası Eğitim Yayınları, Ankara, pp.114-120, 2017
- III. **Zemin Araştırmalarında Mikrotremorların Kullanımı ve Arazi Uygulaması**  
SAYIL N. L.  
JFMO Eğitim Yayınları, Ankara, 2015

## Refereed Congress / Symposium Publications in Proceedings

- I. **Investigation of Site Characteristics and Vulnerability Index of Gümüşhane Province with Microtremor Survey Method, NE Turkey**  
BEKER USTA Y., SAYIL N. L.  
IOCENS21, Gümüşhane, Turkey, 05 July 2021, pp.197
- II. **Comparison of The Attenuation Relationship Developed to Turkey**  
Gençoğlu A., SAYIL N. L.  
VI. International Earthquake Symposium Kocaeli 2019, Kocaeli, Turkey, 25 - 27 September 2019, pp.809-812
- III. **Investigation of Site-Structure Resonance with Different Single Station Microtremor Analysis Methods in KTU Campus**  
Beker Y., SAYIL N. L.  
VI. International Earthquake Symposium Kocaeli 2019, Kocaeli, Turkey, 25 - 28 September 2019, pp.829-834

- IV. **Investigation of Seismicity of Southwest Anatolia by Using Poisson and Exponential Distribution Models**  
Akn F. G., SAYIL N. L., AKIN Ö.  
VI. International Earthquake Symposium Kocaeli 2019, Kocaeli, Turkey, 25 - 28 September 2019, pp.817-820
- V. **Investigation of Seismicity of Central Aegean Region Using Exponential Distribution Model**  
Akn F. G., SAYIL N. L., AKIN Ö.  
VI. International Earthquake Symposium Kocaeli 2019, Kocaeli, Turkey, 25 - 28 September 2019, pp.885-888
- VI. **Comparison of Response and Fourier Spectral Ratios In evaluating the Site Predominant Periods**  
Gençoğlu A., SAYIL N. L.  
VI. International Earthquake Symposium Kocaeli 2019, Kocaeli, Turkey, 25 - 28 September 2019, pp.800-804
- VII. **Applicability of the HVSR Technique Based On Microtremor Measurements, Gümüşhane Province, Ne Turkey**  
BEKER Y., SAYIL N. L.  
VI. International Earthquake Symposium Kocaeli 2019, Kocaeli, Turkey, 25 - 28 September 2019, pp.835-840
- VIII. **A New Attenuation Relationship for The Part of Anatolia Containing NAFZ**  
Gençoğlu A., SAYIL N. L.  
VI. International Earthquake Symposium Kocaeli 2019, Kocaeli, Turkey, 25 - 28 September 2019, pp.805-808
- IX. **Assessment of Seismic Hazard by Different Statistical Methods: The Case of East Marmara Region**  
ÇOBAN K. H., SAYIL N. L.  
VI. International Earthquake Symposium Kocaeli 2019, Kocaeli, Turkey, 25 - 28 September 2019, pp.813-816
- X. **Applicability of Slip-Predictable Model for Earthquake Occurrence Along NAFZ**  
SAYIL N. L.  
VI. International Earthquake Symposium Kocaeli 2019, Kocaeli, Turkey, 25 - 27 September 2019, pp.841-845
- XI. **Comparison of Site H/V Spectral Ratio and Predominant Frequency by Using Microtremor and Earthquake Data**  
ÇOBAN K. H., SAYIL N. L.  
Near Surface Geoscience Conference & Exhibition 2019, The Hague, Netherlands, 8 - 12 September 2019, pp.1-4
- XII. **AVAILABILITY OF ARTIFICIAL NEURAL NETWORK (ANN) IN STRONG GROUND MOTION PREDICTION**  
ÇOBAN K. H., SAYIL N. L.  
New Trend in Geophysics and Engineering 2018 Conference (NTGE2018), İstanbul, Turkey, 7 - 09 November 2018, pp.114-117
- XIII. **Definition of the crust structure of Anatolia by surface wave data**  
SAYIL N. L.  
New Trend in Geophysics and Engineering 2018 Conference (NTGE2018), İstanbul, Turkey, 7 - 09 November 2018, pp.146-149
- XIV. **Application of Slip Predictable Model to Earthquake in Anatolia**  
SAYIL N. L.  
New Trend in Geophysics and Engineering 2018 Conference (NTGE2018), İstanbul, Turkey, 7 - 09 November 2018, pp.150-153
- XV. **Analysis of Soil-Structure and Resonance Effects of Gümüşhane University Campus Area in Turkey with HVSR and FSR Methods**  
BEKER Y., SAYIL N. L.  
New Trend in Geophysics and Engineering 2018 Conference (NTGE2018), İstanbul, Turkey, 7 - 09 November 2018, pp.83-86
- XVI. **Applicability of time-dependent seismicity model for earthquake occurrence along the North Anatolian Fault Zone**  
SAYIL N. L.  
New Trend in Geophysics and Engineering 2018 Conference (NTGE2018), İstanbul, Turkey, 7 - 09 November 2018, pp.142-145
- XVII. **Investigation of vulnerability index by single station microtremor method: a case study of KTU campus**

- BEKER Y., SAYIL N. L., AKIN Ö., ÇOBAN K. H.  
New Trend in Geophysics and Engineering 2018 Conference (NTGE2018), İstanbul, Turkey, 7 - 09 November 2018, pp.79-82
- XVIII. **Study on the Applicability of the ambient noise HVSR method in Bağlarbaşı (Gümüşhane), NE Turkey**  
BEKER Y., SAYIL N. L.  
New Trend in Geophysics and Engineering 2018 Conference (NTGE2018), İstanbul, Turkey, 7 - 09 November 2018, pp.87-90
- XIX. **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
- XX. **Availability of Artificial Neural Network (Ann) in Strong Ground Motion Prediction.**  
ÇOBAN K. H., SAYIL N. L.  
NTGE 2018 İstanbul, İstanbul, Turkey, 7 November - 09 October 2018, pp.1
- XXI. **Determination of Earthquake Location with Particle Swarm Optimization**  
ÇOBAN K. H., SAYIL N. L.  
The European Seismological Commission 36th General Assembly, Valletta, Malta, 2 - 07 September 2018
- XXII. **Determination of the Earthquake Location with Particle Swarm Optimization**  
ÇOBAN K. H., SAYIL N. L.  
The 36th General Assembly of the European Seismological Commission ESC 2018, Valetta, Malta, 2 - 07 September 2018, pp.1
- XXIII. **The Investigation of the VAN Region Seismicity**  
ÇOBAN K. H., SAYIL N. L.  
ICELIS 2018, Kastamonu, Turkey, 26 - 29 April 2018, pp.1
- XXIV. **Estimation of the Peak Ground Acceleration with Artificial Neural Network (ANN) trained by Turkey strong-motion database**  
ÇOBAN K. H., SAYIL N. L.  
European Geosciences Union General Assembly (EGU) 2018, Vienna, Austria, 8 - 13 April 2018, pp.1
- XXV. **Evaluation of Earthquake Storm in Çanakkale (Gülpınar - Ayvacık) by Magnitude - Frequency Relations,**  
ÇOBAN K. H., SAYIL N. L.  
4. Uluslararası Deprem Mühendisliği ve Sismoloji Konferansı, Eskişehir, Turkey, 11 - 13 October 2017
- XXVI. **Assessment Of Seismic Crosshole Tomography And Testing Surveys In Site Characterization Of High-Rise Building Along Shore Line**  
SHARAFELDIN S., FECHNER T., SAYIL N. L., KARSLI H.  
9th Congress of the Balkan Geophysical Society, Antalya, Turkey, 5 - 09 November 2017
- XXVII. **Seismic for the Eastern Black Sea region with statistical approaches**  
Sayıl N. L., Çoban K. H., AKIN Ö.  
9th Congress of the Balkan Geophysical Society, Antalya, Turkey, 5 - 09 November 2017, pp.5
- XXVIII. **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
- XXIX. **Geophysical Investigation of Ground Water Hazards in Giza Pyramids and Sphinx Using Electrical Resistivity Tomography and Ground Penetrating Radar: A Case Study**  
Mahmoud S., Essa K., SAYIL N. L., Youssef M., Diab Z., KARSLI H.  
9th Congress of the Balkan Geophysical Society, Antalya, Turkey, 5 - 09 November 2017, pp.1-5
- XXX. **Determination of the dynamic characteristics of the faculty building of Engineering and Natural Science with HVSR method and FSR method**  
BEKER Y., SAYIL N. L.  
9th Congress of the Balkan Geophysical Society, Antalya, Turkey, 5 - 09 November 2017, pp.1-5
- XXXI. **Assessment of Seismic Crosshole Tomography and Testing Surveys in Site Characterization of High-rise Building along Shore Line**

- Mahmoud S., Fechner T., SAYIL N. L., KARSLI H.  
9th Congress of the Balkan Geophysical Society, Antalya, Turkey, 5 - 09 November 2017, pp.1-5
- XXXII. **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
- XXXIII. **Determination of Fault Types by GIS Applications according to Earthquake Depths**  
ÇOBAN K. H., SAYIL N. L.  
International Symposium on GIS Applications in Geography and Geosciences, Çanakkale, Turkey, 18 - 21 October 2017, pp.1-5
- XXXIV. **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
- XXXV. **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
- XXXVI. **Evaluation of Earthquake Swarm in Çanakkale (Gülpınar - Ayvacık) by Magnitude - Frequency Relations**  
ÇOBAN K. H., SAYIL N. L.  
4 UDMSK, Eskişehir, Turkey, 11 - 13 October 2017, pp.1-4
- XXXVII. **A MATLAB Interface Application for Spectral Ratio by Reference Station and Damping Ratio**  
ÇOBAN K. H., SAYIL N. L.  
4. International Earthquake Engineering and Seismology Congress, Eskişehir, Turkey, 11 - 13 October 2017, pp.1-5
- XXXVIII. **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
- XXXIX. **Calculation of earthquake risk of Aegean region with different statistical approaches**  
ÇOBAN K. H., SAYIL N. L.  
International Multidisciplinary Congress of Eurasia, IV.IMCOFE, Roma, Italy, 23 - 25 August 2017, pp.1-5
- XL. **Investigation of the seismicity of East Anatolian fault zone (EAFZ) according to Poisson and Exponential distribution models**  
ÇOBAN K. H., SAYIL N. L.  
International Multidisciplinary Congress of Eurasia, IV.IMCOFE, Roma, Italy, 23 - 25 August 2017, pp.1-5
- XLI. **Determination of Site Characteristics with The Single-Station Microtremor Method at Bağlarbaşı District (Gumushane, Turkey)**  
BEKER Y., SAYIL N. L.  
International Multidisciplinary Congress of Eurasia, IV.IMCOFE, Roma, Italy, 23 - 25 August 2017, pp.1-5
- XLII. **The Calculation of Earthquake Magnitude Probability Near Van Lake**  
ÇOBAN K. H., SAYIL N. L.  
3rd International Conference on Computational and Experimental Science and Engineering (ICCESEN 2016), 19 - 24 October 2016
- XLIII. **The Statistical Earthquake Probability in Marmara Region**  
ÇOBAN K. H., SAYIL N. L.  
3rd International Conference on Computational and Experimental Science and Engineering (ICCESEN 2016), 19 - 24 October 2016
- XLIV. **"The Statistical Earthquake Probability in Marmara Region"**  
ÇOBAN K. H., SAYIL N. L.  
3rd International Conference on Computational And Experimental Science and Engineering (ICCESEN-2016), Antalya, Turkey, 19 - 24 October 2016, pp.355
- XLV. **"The Calculation of Earthquake Magnitude Probability near Van Lake"**



ÇOBAN K. H., SAYIL N. L.

3rd International Conference on Computational And Experimental Science and Engineering (ICCES-2016),  
Antalya, Turkey, 19 - 24 October 2016, pp.362

- XLVI. **Estimation of Earthquake Occurrence by Using Markov Chain Approach in Turkey**  
ÇOBAN K. H., SAYIL N. L.  
International Conference on Engineering and Natural Science, 24 - 28 May 2016
- XLVII. **A Gui Interface for Estimation of the Earthquake Risk Based on Poisson Model**  
ÇOBAN K. H., SAYIL N. L.  
International Conference on Advances in Science ICAS 2016, 31 August - 02 September 2016
- XLVIII. **Usefulness of Slip Predictable Model for Earthquake Occurrence in Turkey**  
SAYIL N. L., ÇOBAN K. H.  
International Conference on Engineering and Natural Science, 24 - 28 May 2016
- XLIX. **Determination of Site Characteristics with Standart Spectral Ratio SSR Method in Akcakale Gumushane Province NE Turkey**  
BEKER Y., SAYIL N. L.  
International Conference on Engineering and Natural Science, 24 - 28 May 2016
- L. **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
- LI. **Determination of the Dynamic Characteristics of the Faculty Building of Law at KTU Campus with HVSR and FSR Methods**  
BEKER Y., ÇOBAN K. H., SAYIL N. L.  
22nd European Meeting of Environmental and Engineering Geophysics. Near Surface Geoscience (EAGE) 2016, Barcelona, Spain, 4 - 08 September 2016, pp.1
- LII. **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
- LIII. **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, Barcelona, Spain, 4 - 08 September 2016, pp.8
- LIV. **Usefulness of Slip Predictable Model for Earthquake Occurrence in Turkey**  
SAYIL N. L., ÇOBAN K. H.  
ICENS 2016, Bosnia And Herzegovina, 24 - 28 May 2016
- LV. **Estimation of the Earthquake Magnitude Transition Probability in Marmara Region with Semi-Markov Model**  
ÇOBAN K. H., SAYIL N. L.  
7 th International Geosciences Student Conference (7th IGSC), Kataowice, Poland, 11 July - 14 October 2016, pp.33-37
- LVI. **Estimation of Earthquake Occurrences by Using Markov Chain Approach in Turkey**  
ÇOBAN K. H., SAYIL N. L.  
International Conference on Engineering and Natural Science (ICENS), Sarajevo, Bosnia And Herzegovina, 24 - 28 May 2016, pp.1443-1448
- LVII. **Determination of Site Characteristics with Standart Spectral Ratio (SRO) Method in Akcakale (Gumushane) Pronvice NE Turkey**  
Beker Y., SAYIL N. L.  
ICENS, Saraybosna, Bosnia And Herzegovina, 24 - 28 May 2016, pp.537-540

- LVIII. Time Predictable Model Applicability for Earthquake Prediction along the North Anatolian Fault Zone**  
SAYIL N. L., Beker Y.  
ICENS, Saraybosna, Bosnia And Herzegovina, 24 - 28 May 2016, pp.2998-3001
- LIX. Determination of Earthquake Probability by Using Statistical Methods in Turkey**  
ÇOBAN K. H., SAYIL N. L.  
International Conference on Engineering and Natural Science (ICENS), Sarajevo, Bosnia And Herzegovina, 24 - 28 May 2016, pp.1448-1454
- LX. 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
- LXI. Grafik Arayüzü Kullanılarak Referans İstasyonuna Göre Spektral Oranlar (S/R) Yönteminden Büyütme Değerinin Belirlenmesi**  
ÇOBAN K. H., SAYIL N. L.  
TDMSK, İzmir, Turkey, 14 - 16 October 2015, pp.1-4
- LXII. 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
- LXIII. Long term earthquake prediction in Turkey**  
AYDIN Y., SAYIL N. L.  
8th Congress of Balkan Geophysical Society-2015, Girit, Greece, 4 - 08 October 2015, pp.1-4
- LXIV. KUZEY ANADOLU FAY ZONU BOYUNCA ZAMAN VE MAGNİTÜD KESTİRİLEBİLİR MODEL İLE UZUNDÖNEM DEPREM KESTİRİMİ**  
Yeşim N. A., SAYIL N. L.  
Kocaeli 2015 5th International Earthquake Symposium, Kocaeli, Turkey, 10 - 12 June 2015
- LXV. GÜMÜŞHANE ÜNİVERSİTESİ NDE ALINAN MİKROTREMOR ÖLÇÜMLERİNE NAKAMURA H V VE REFERANS İSTASYONU Y YR YÖNTEMLERİNİN UYGULANMASI**  
BEKER Y., SAYIL N. L.  
Kocaeli 2015 8th International Earthquake Symposium, Kocaeli, Turkey, 10 - 12 June 2015
- LXVI. Gümüşhane Üniversitesi'nde alınan Mikrotremor ölçümlerine Nakamura (H/V) ve Referans İstasyonu (Y/YR) yöntemlerinin uygulanması**  
Beker Y., SAYIL N. L.  
5. Uluslararası Deprem Sempozyumu Kocaeli 2015, Kocaeli, Turkey, 10 - 12 June 2015, pp.1-4
- LXVII. Tek İstasyon Mikrotremor Kayıtları Kullanılarak İki Farklı Yöntemle Büyütme Değerlerinin Karşılaştırılması**  
AKIN Ö., ÇOBAN K. H., SAYIL N. L.  
5th International Earthquake Symposium, Kocaeli/ Türkiye, Kocaeli, Turkey, 10 - 12 June 2015, pp.1
- LXVIII. Kuzey Anadolu fay zonu boyunca zaman ve magnitüd kestirilebilir model ile uzun-dönem deprem kestirimi**  
AYDIN Y., SAYIL N. L.  
5. Uluslararası Deprem Sempozyumu Kocaeli 2015, Kocaeli, Turkey, 10 - 12 June 2015, pp.1-4
- LXIX. 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
- LXX. 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
- LXXI. KTÜ Fen-Edebiyat Fakülte Binasının Hakim Frekans ve Büyütme 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

- LXXII. **Tek İstasyon Mikrotremor Yönteminde Baskın Frekans ve H/V Oranının Kayıt Uzunluğu ve Zemin Özelliklerine Göre Değişimi (Ktū Kampüs Örneği)**  
AKAR Z. B., MURTEZAOĞLU M., AKIN Ö., ÇOBAN K. H., SAYIL N. L.  
Genç Yerbilimciler Kongresi, İzmir, Turkey, 5 - 07 June 2015, pp.8
- LXXIII. **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
- LXXIV. **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
- LXXV. **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
- LXXVI. **An Investigation of Seismicity in the Marmara Region with Probabilistic Approaches**  
SAYIL N. L.  
9th Alexander von Humboldt International Conference, High Impact Natural Hazards Related to the Euro-Mediterranean Region, EGU, İstanbul, Turkey, 24 - 28 March 2014, pp.1-4
- LXXVII. **Determination of the Site Characteristics from Microtremor Measurements in Akcakale (Gumushane) Province, NE Turkey**  
Beker Y., SAYIL N. L.  
20th International Geophysical Congress and Exhibition of Turkey, 25-27 November 2013, Antalya, Turkey, 25 - 27 November 2013, pp.1-4
- LXXVIII. **Investigation of Seismic Hazard in the Marmara Region**  
SAYIL N. L.  
20th International Geophysical Congress and Exhibition of Turkey, Antalya, Turkey, 25 - 27 November 2013, pp.1-4
- LXXIX. **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
- LXXX. **Crust and Upper-mantle Structure in Anatolia from Analysis of Love Wave Group Velocity**  
SAYIL N. L.  
7th Congress of Balkan Geophysical Society, Tiran, Albania, 7 - 10 October 2013, pp.1-4
- LXXXI. **Determination of the Site Characteristics from Mictroremor Measurements in Gumushane Campus Area**  
Beker Y., SAYIL N. L.  
7th Congress of Balkan Geophysical Society, Tiran, Albania, 7 - 10 October 2013, pp.1-4
- LXXXII. **Investigation of Seismicity of the Marmara Region with Statistical Approaches**  
SAYIL N. L.  
6th Congress of Balkan Geophysical Society, Budapeşte, Hungary, 3 - 06 October 2011, pp.1-4
- LXXXIII. **Determination of Site Characteristics with Single Point Microtremor Measurements at the KTU Campus Area**  
Beker Y., SAYIL N. L.  
6th Congress of Balkan Geophysical Society, Budapeşte, Hungary, 3 - 06 October 2011, pp.1-4
- LXXXIV. **Determining Parameters of Foundation with Microtremor Survey at KTU Campus**

- Beker Y., SAYIL N. L.  
19th International Geophysical Congress and Exhibition of Turkey, Ankara, Turkey, 23 - 26 November 2010, pp.1-4
- LXXXV. **Examining Anatolian Crust with Surface Wave Data Sets**  
Altunışık V., SAYIL N. L.  
19th International Geophysical Congress and Exhibition of Turkey, Ankara, Turkey, 23 - 26 November 2010, pp.1-4
- LXXXVI. **Determination Of The Crust And Upper Mantle Structure In Anatolia By Surface Wave Data Applied Discrimination Filter**  
SAYIL N. L.  
International Earthquake Symposium Kocaeli 2009, Kocaeli, Turkey, 17 - 19 August 2009, pp.1-4
- LXXXVII. **Success of Surface Wave Discrimination Filter Based on the Polarization on Discrimination of Love Waves**  
SAYIL N. L.  
18th International Geophysical Congress and Exhibition of Turkey, Ankara, Turkey, 14 - 17 October 2008, pp.1-4
- LXXXVIII. **An Investigaton of Seismicity for the Aegean and Mediterranean Regions**  
SAYIL N. L.  
International Earthquake Symposium Kocaeli 2007, Kocaeli, Turkey, 22 - 24 October 2007, pp.1-4
- LXXXIX. **Determination of Ground Characteristics and Noise Analysis for Locations of KTUT-Broad Band Earthquake Recorder**  
SAYIL N. L., KUTLU Y. A., Beker Y.  
International Earthquake Symposium Kocaeli 2007, Kocaeli, Turkey, 22 - 24 October 2007, pp.1-4
- XC. **An Investigation of Seismicity for Western Anatolia**  
SAYIL N. L., OSMANŞAHİN İ.  
17th International Geophysical Congress and Exhibition of Turkey, Ankara, Turkey, 14 - 17 December 2006, pp.1-4
- XCI. **Modifications of Surface Wave Discrimination Filter on the Polarization Properties**  
KUTLU Y. A., SAYIL N. L., OSMANŞAHİN İ.  
17th International Geophysical Congress and Exhibition of Turkey, Ankara, Turkey, 14 - 17 December 2006, pp.1-4
- XCII. **An Application of the Time- and Magnitude-Predictable Model For the Long-Term Earthquake Prediction in the Western Anatolia**  
SAYIL N. L., OSMANŞAHİN İ.  
International Symposium on the Geodynamics of Eastern Mediterranean: Active Tectonics of the Aegean Region, İstanbul, Turkey, 15 - 18 June 2005, pp.1-4
- XCIII. **Application of Surface Wave Discrimination Filtler Based on Polarization Properties of Three Component Broadband Records of TBZ (Trabzon) Station**  
KUTLU Y. A., SAYIL N. L., OSMANŞAHİN İ.  
16th International Geophysical Congress and Exhibition of Turkey, Ankara, Turkey, 7 - 10 December 2004, pp.1-4
- XCIV. **An Application of the Time and Magnitude Predictable Model for the Long-Term Earthquake Prediction in the Marmara Region**  
SAYIL N. L., OSMANŞAHİN İ.  
16th International Geophysical Congress and Exhibition of Turkey, The Chamber of Geophysical Engineers of Turkey, Ankara, Turkey, 7 - 10 December 2004, pp.1-4
- XCIV. **Investigation of a Big Damage in Avcılar-Istanbul During the August 17, 1999 Izmit Earthquake**  
OSMANŞAHİN İ., SAYIL N. L.  
Earth Sciences into the 3.Millennium: Methods, Materials, Mechanisms, Institute for Geology, Mineralogy and Geophysics (81. Jahrestagung der Deutschen Mineralogischen Gesellschaft, the Geologische Vereinigung and the Deutsche Geophysikalische Gesellschaft), Bochum, Germany, 22 - 25 September 2003, pp.1-4

## Supported Projects

AKIN Ö., SAYIL N. L., ÇOBAN K. H., SÜNNETÇİ M. O., ŞENKAYA M., Project Supported by Higher Education Institutions, Yeni Jeofiziksel Parametreler Eklenererek Analitik Hiyerarşi Süreci ile Oluşturulan Heyelan Duyarlılık Çalışmalarının Gelişimine

Katkıda Bulunması Trabzon Değirmendere Vadisi Örneği, 2021 - 2023

SAYIL N. L., YILDIRIM V., MEMİŞOĞLU T., ÇOLAK H. E., SÜNNETÇİ M. O., KARSLI H., NİŞANCI R., BEDİROĞLU Ş., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Düzenli Depolama Alanları İçin Yer Tespiti Çalışması ve Alternatif Katı Atık Bertaraf Sistemleri Araştırma Projesi, 2015 - 2017

Sayıl N. L., Akın Ö., Project Supported by Higher Education Institutions, Arsin ilçe Merkezinde Trabzon Zemin Parametrelerinin Yüzey DALgası Yöntemleriyle Belirlenmesi KTÜ Bilimsel Araştırma Projesi, 2014 - 2016

Akın Ö., Sayıl N. L., Beker Usta Y., Project Supported by Higher Education Institutions, GÜMÜŞHANE VE ÇEVRESİNİN JEOFİZİK VERİLERLE YER ETKİSİNİN İNCELENMESİ VE MİKROBÖLGELENDİRME ÇALIŞMASI, 2013 - 2016

SAYIL N. L., Project Supported by Higher Education Institutions, K.T.Ü. Yerleşkesinde Bulunan Geniş Bant Deprem Kayıt İstasyonları İçin Uygun Yer Seçimi ve Mikro Bölgelendirme Çalışması, 2010 - 2012

SAYIL N. L., Project Supported by Higher Education Institutions, Tek İstasyon Yüzey Dalgası Dispersiyon Verileri İle Anadolunun Kabuk Yapısının Belirlenmesi, 2009 - 2011

Sayıl N. L., Project Supported by Higher Education Institutions, Polarizasyon Özelliklerine Dayalı Yüzey Dalgası Ayrım Süzgeci ve Uygulamaları, 2003 - 2006

## Activities in Scientific Journals

Journal of Civil and Construction Engineering, Assistant Editor/Section Editor, 2015 - Continues

OMICS Group Engineering Journals , Evaluation Committee Member, 2014 - Continues

Uygulamalı Yerbilimleri Dergisi, Advisory Committee Member, 2009 - Continues

## Memberships / Tasks in Scientific Organizations

T.C. Başbakanlık Afet ve Acil Durum Yönetimi Başkanlığı, Member, 2017 - Continues

- Başbakanlık Afet ve Acil Durum Yönetimi Başkanlığı Türkiye Ulusal Jeodezi ve Jeofizik Birliği Komisyonlarından Türkiye Ulusal Sismoloji ve Arzıçı Fiziği Komisyonu (TUSAK), Member, 2010 - Continues

- Ulusal Deprem Stratejisi Eylem Planı (USDEP) Trabzon ili risk azaltma ve strateji planı hazırlama komisyonu, Member, 2012 - 2012

TMMOB tarafından düzenlenen Trabzon Kent Sempozyumu, Member, 2011 - 2011

## Scientific Refereeing

TUBITAK Project, 2218 - Yurt İçi Doktora Sonrası Araştırma Burs Programı, Gumushane University, Turkey, January 2024

TÜBİTAK International Bilateral Joint Cooperation Program Project, Czech Academy of Sciences, CAS Bilateral Cooperation Program, Istanbul Technical University, Turkey, October 2023

TÜBİTAK International Bilateral Joint Cooperation Program Project, French National Centre for Scientific Research, CNRS Bilateral Joint Cooperation Program, Galatasaray University, Turkey, October 2023

TÜBİTAK International Bilateral Joint Cooperation Program Project, Czech Academy of Sciences, CAS Bilateral Cooperation Program, İstanbul University-Cerrahpaşa, Turkey, October 2023

Project Supported by Higher Education Institutions, BAP Research Project, İstanbul University-Cerrahpaşa, Turkey, April 2023

TÜBİTAK International Bilateral Joint Cooperation Program Project, Azerbaijan National Academy of Sciences, ANAS Bilateral Cooperation Program, Kocaeli University, Turkey, January 2023

TÜBİTAK International Bilateral Joint Cooperation Program Project, Japan Society for the Promotion of Science, JSPS Bilateral Cooperation Program, Middle East Technical University, Turkey, December 2022

Project Supported by Higher Education Institutions, BAP Research Project, Karadeniz Technical University, Turkey, October 2022

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Bogazici University, Turkey, October 2022

Project Supported by Higher Education Institutions, BAP Research Project, Ataturk University, Turkey, June 2022

FRONTIERS IN EARTH SCIENCE, SCI Journal, December 2021

Asian Journal of Geological Research, Other Journals, December 2021

JOURNAL OF APPLIED GEOPHYSICS, SCI Journal, December 2021

TURKISH JOURNAL OF EARTH SCIENCES, SCI Journal, December 2021

BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, SCI Journal, December 2021

JOURNAL OF CLEANER PRODUCTION, SCI Journal, November 2021

BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, SCI Journal, November 2021

MÜHENDİSLİK VE TASARIM BİLİMLERİ DERGİSİ, National Scientific Refreed Journal, November 2021

FRONTIERS IN EARTH SCIENCE, SCI Journal, October 2021

BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, SCI Journal, September 2021

BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, SCI Journal, May 2021

HERITAGE SCIENCE, SCI Journal, May 2021

PAMUKKALE ÜNİVERSİTESİ MÜHENDİSLİK BİLİMLERİ DERGİSİ, National Scientific Refreed Journal, March 2021

BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, SCI Journal, January 2021

HERITAGE SCIENCE, SCI Journal, January 2021

DOKUZ EYLÜL ÜNİVERSİTESİ MÜHENDİSLİK FAKÜLTESİ FEN VE MÜHENDİSLİK DERGİSİ, National Scientific Refreed Journal, November 2020

BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, SCI Journal, October 2020

Project Supported by Higher Education Institutions, BAP Research Project, Dokuz Eylul University, Turkey, October 2020

JOURNAL OF APPLIED GEOPHYSICS, SCI Journal, August 2020

Türk Deprem Araştırma Dergisi, National Scientific Refreed Journal, August 2020

DOKUZ EYLÜL ÜNİVERSİTESİ MÜHENDİSLİK FAKÜLTESİ FEN VE MÜHENDİSLİK DERGİSİ, National Scientific Refreed Journal, August 2020

Project Supported by Higher Education Institutions, BAP Research Project, Dokuz Eylul University, Turkey, August 2020

TURKISH JOURNAL OF EARTH SCIENCES, National Scientific Refreed Journal, July 2020

JOURNAL OF APPLIED GEOPHYSICS, SCI Journal, June 2020

HERITAGE SCIENCE, SCI Journal, May 2020

Türk Deprem Araştırma Dergisi, National Scientific Refreed Journal, May 2020

Project Supported by Higher Education Institutions, BAP Research Project, Canakkale Onsekiz Mart University, Turkey, May 2020

EARTH SCIENCES RESEARCH JOURNAL, Journal Indexed in SCI-E, April 2020

PAMUKKALE ÜNİVERSİTESİ MÜHENDİSLİK BİLİMLERİ DERGİSİ, National Scientific Refreed Journal, March 2020

YERBİLİMLERİ/HACETTEPE ÜNİVERSİTESİ YERBİLİMLERİ UYGULAMA VE ARAŞTIRMA MERKEZİ DERGİSİ, National Scientific Refreed Journal, January 2020

Project Supported by Higher Education Institutions, BAP Research Project, Dokuz Eylul University, Turkey, September 2018

TÜBİTAK International Bilateral Joint Cooperation Program Project, Ministry of Science and Technology of Pakistan, MoST Bilateral Cooperation Program, Kocaeli University, Turkey, April 2018

Project Supported by Higher Education Institutions, July 2017

Project Supported by Higher Education Institutions, March 2017

Physical science international journal, Other Indexed Journal, May 2015

Geomatics, Natural Hazards and Risk, Other Indexed Journal, April 2015

Bulletin of Earthquake Engineering, SCI Journal, March 2015

Journal of Civil & Environmental Engineering, Other Indexed Journal, October 2014

Journal of Electrical & Electronic Systems, Other Indexed Journal, August 2014

Advances in Automobile Engineering, Other Indexed Journal, July 2014

Journal of Astrophysics & Aerospace Technology, Other Indexed Journal, July 2014

British Journal of Applied Science & Technology, Journal Indexed in AHCI, June 2014

Journal of Geology & Geosciences, Other Indexed Journal, June 2014  
Industrial Engineering & Management, Other Indexed Journal, May 2014  
Global Journal of Technology and Optimization, Other Indexed Journal, April 2014  
Journal of Geology & Geosciences, Other Indexed Journal, April 2014  
Journal of Geology & Geosciences, Other Indexed Journal, April 2014  
Journal of Civil & Environmental Engineering, Other Indexed Journal, March 2014  
Journal of Astrophysics & Aerospace Technology, Other Indexed Journal, March 2014  
Journal of Electrical & Electronic Systems, Other Indexed Journal, February 2014  
Journal of Electrical & Electronic Systems, Other Indexed Journal, February 2014  
Journal of Geology & Geosciences, Other Indexed Journal, January 2014  
Geoscience Frontiers, Journal Indexed in AHCI, August 2013  
Geoscience Frontiers, Other Indexed Journal, April 2013  
Süleyman Demirel Üniversitesi Fen Bilimleri Dergi, National Scientific Refreed Journal, February 2009  
Natural Hazards, SCI Journal, November 2008  
Natural Hazards, SCI Journal, June 2008  
Project Supported by Higher Education Institutions, April 2005

### **Scientific Consultations**

Kalkınma Bakanlığı, Project Consultancy, Karadeniz Technical University, Mühendislik Fakültesi, Jeofizik Mühendisliği, Turkey, 2015 - Continues  
TUBA, Project Consultancy, Karadeniz Technical University, Mühendislik Fakültesi, Jeofizik Mühendisliği, Turkey, 2018 - 2021

### **Scientific Research / Working Group Memberships**

Deprem Ve Yapı Sağlığı Uygu Ve Araş Merkez, Karadeniz Technical University, Turkey, <https://www.ktu.edu.tr/de-yas>, 2023 - Continues

### **Metrics**

Publication: 131  
Citation (WoS): 130  
Citation (Scopus): 149  
H-Index (WoS): 8  
H-Index (Scopus): 7

### **Congress and Symposium Activities**

9th Congress of the Balkan Geophysical Society, Session Moderator, Antalya, Turkey, 2017  
9th Congress of the Balkan Geophysical Society, Session Moderator, Antalya, Turkey, 2017  
9th Congress of the Balkan Geophysical Society, Attendee, Antalya, Turkey, 2017  
90 Yılım Ardından İstanbul Üniversitesinde Jeofiziğin Serüveni, Panelists, İstanbul, Turkey, 2017  
90 Yılım Ardından İstanbul Üniversitesinde Jeofiziğin Serüveni, Session Moderator, İstanbul, Turkey, 2017  
International Conference on Engineering and Natural Science (ICENS), Attendee, Sarajevo, Bosnia And Herzegovina, 2016  
Prof.Dr.Rahmi PINAR Kentleşme ve Yapı İncelemeleri, Invited Speaker, İzmir, Turkey, 2015  
Prof.Dr.Rahmi PINAR Kentleşme ve Yapı İncelemeleri Çalıştayı, Attendee, İzmir, Turkey, 2015

Prof.Dr.Rahmi PINAR Kentleşme ve Yapı İncelemeleri, Session Moderator, İzmir, Turkey, 2015  
8th Congress of Balkan Geophysical Society-2015, Attendee, Haniá, Greece, 2015  
3. Türkiye Deprem Mühendisliği ve Sismoloji Konferansı, Attendee, İzmir, Turkey, 2015  
5. Uluslararası Deprem Sempozyumu Kocaeli 2015, Attendee, Kocaeli, Turkey, 2015  
Genç Yerbilimciler Kongresi, Attendee, İzmir, Turkey, 2015  
International Symposium on Eastern Mediterranean Geology (ISEMG 2014), Attendee, Muğla Sıktı Koçman Üniversitesi\Muğla, Turkey, 2014  
20th European Meeting of Environmental and Engineering Geophysics, EAGE, Attendee, Atina, Greece, 2014  
9th Alexander von Humboldt International Conference, High Impact Natural Hazards Related to the Euro-Mediterranean Region, EGU, Attendee, İstanbul, Turkey, 2014  
20th International Geophysical Congress and Exhibition of Turkey, Attendee, Antalya, Turkey, 2013  
Türkiye 19. Uluslar arası Jeofizik Kurultayı ve Sergisi, Session Moderator, Ankara, Turkey, 2013  
Türkiye 20. Uluslar arası Jeofizik Kurultayı ve Sergisi, Session Moderator, Antalya, Turkey, 2013  
7th Congress of Balkan Geophysical Society, Attendee, Tiran, Albania, 2013  
13-15 Eylül 2012, 09 Ağustos 1912 Mürefte Depreminin (Mw=7.4) 100. Yıldönümü Sempozyumu, Attendee, Çanakkale, Turkey, 2012  
6th Congress of Balkan Geophysical Society, Attendee, Budaptşte, Hungary, 2011  
19th International Geophysical Congress and Exhibition of Turkey, Attendee, Ankara, Turkey, 2010  
International Earthquake Symposium Kocaeli 2009, Attendee, Kocaeli, Turkey, 2009  
18th International Geophysical Congress and Exhibition of Turkey, The Chamber of Geophysical Engineers of Turkey, Attendee, Ankara, Turkey, 2008  
Türkiye 18. Uluslar arası Jeofizik Kurultayı ve Sergisi, 14-17 Ekim 2008, Session Moderator, Ankara, Turkey, 2008  
International Earthquake Symposium Kocaeli 2007, Attendee, İzmit, Turkey, 2007  
Kocaeli 2007 Uluslar arası Deprem Sempozyumu, Session Moderator, Kocaeli, Turkey, 2007  
17th International Geophysical Congress and Exhibition of Turkey, The Chamber of Geophysical Engineers of Turkey, Attendee, ankara, Turkey, 2006  
International Symposium on the Geodynamics of Eastern Mediterranean: Active Tectonics of the Aegean Region, Attendee, İstanbul, Turkey, 2005  
Kocaeli 2005 Deprem Sempozyumu, Attendee, İzmit, Turkey, 2005  
16th International Geophysical Congress and Exhibition of Turkey, The Chamber of Geophysical Engineers of Turkey, Attendee, Ankara, Turkey, 2004  
15.Jeofizik Kurultayı ve Sergisi, 20-24 Ekim 2003, Session Moderator, Adana, Turkey, 2003  
Türkiye 15. Jeofizik Kurultayı ve Sergisi, Türkiye Jeofizik Mühendisleri Odası, Attendee, İzmir, Turkey, 2003  
Earth Sciences into the 3.Millennium: Methods, Materials, Mechanisms, Institute for Geology, Mineralogy and Geophysics (81. Jahrestagung der Deutschen Mineralogischen Gesellschaft, the Geologische Vereinigung and the Deutsche Geophysikalische Gesellschaft), Attendee, Bochum, Germany, 2003  
Kocaeli 2003 Deprem Sempozyumu, 12-14 Mart 2003, Session Moderator, Kocaeli, Turkey, 2003  
Kocaeli 2003 Deprem Sempozyumu, Attendee, İzmit, Turkey, 2003  
Cumhuriyetin 75.yıldönümü Yerbilimleri ve Madencilik Kongresi, Attendee, Ankara, Turkey, 1998  
Türkiye 13. Jeofizik Kurultayı ve Sergisi, Türkiye Jeofizik Mühendisleri Odası, Attendee, Ankara, Turkey, 1993

## **Non Academic Experience**

TMMOB Jeofizik Mühendisleri Odası

AFET VE ACİL DURUM YÖNETİMİ BAŞKANLIĞI