

## Prof. Şakir ŞAHİN

### Personal Information

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### Education Information

Doctorate, Istanbul University, Institute Of Graduate Studies In Sciences, Jeofizik Mühendisliği Bölümü, Turkey Continues

Postgraduate, Istanbul University, Institute Of Graduate Studies In Sciences, Jeofizik Mühendisliği Bölümü, Turkey Continues

Undergraduate, Istanbul University, Mühendislik Fakültesi, Jeofizik Mühendisliği Bölümü, Turkey Continues

### Dissertations

Postgraduate, Van Gölü Havzasının 3B Hız Modellemesi, Suleyman Demirel University, Fen Bilimleri Enstitüsü, Jeofizik Mühendisliği Abd, 2017

### Research Areas

Geophysical Engineering, Seismology, Earthquake Seismology, Engineering and Technology

### Academic and Administrative Experience

Suleyman Demirel University, 2018 - Continues

Suleyman Demirel University, 2018 - Continues

### Courses

Sismolojide Veri Toplama, Postgraduate, 2017 - 2018

Sismolojide Düz ve Ters Çözüm, Postgraduate, 2017 - 2018

Mühendislik Matematiği II, Undergraduate, 2017 - 2018

Mühendislik Matematiği I, Undergraduate, 2017 - 2018

Global Sismisite, Undergraduate, 2017 - 2018

İleri Deprem Analizi, Postgraduate, 2017 - 2018

Kaynak Mekanizması, Postgraduate, 2017 - 2018

Sismoloji, Undergraduate, 2017 - 2018

### Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. Determination of volcanic structures in and around Nevşehir by seismic attenuation method

ŞAHİN Ş., ÖKSÜM E.

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.35, no.1, pp.181-191, 2020 (Journal Indexed in SCI)

- II. **Crustal Poisson's ratio tomography and velocity modeling across tectono-magmatic lake regions of Eastern Anatolia (Turkey): New geophysical constraints for crustal tectonics**  
Toker M., ŞAHİN Ş.  
JOURNAL OF GEODYNAMICS, vol.131, 2019 (Journal Indexed in SCI)
- III. **Comparison of wear properties of HVOF sprayed WC-Co and WC-CoCr coatings on Al alloys**  
Ozkavak H. V. , ŞAHİN Ş., SARAÇ M. F. , Alkan Z.  
MATERIALS RESEARCH EXPRESS, vol.6, no.9, 2019 (Journal Indexed in SCI)
- IV. **Neotectonic structures imaged by seismic velocity along the Isparta Angle**  
ŞAHİN Ş., ABUBAKAR I., ÖZÇELİK M., Abdelwahed M. F. , ÖKSÜM E.  
ARABIAN JOURNAL OF GEOSCIENCES, vol.12, no.7, 2019 (Journal Indexed in SCI)
- V. **A statistical space-time-magnitude analysis on the aftershocks occurrence of the July 21th, 2017 M-W=6.5 Bodrum-Kos, Turkey, earthquake**  
ÖZTÜRK S., ŞAHİN Ş.  
JOURNAL OF ASIAN EARTH SCIENCES, vol.172, pp.443-457, 2019 (Journal Indexed in SCI)
- VI. **Quality assessment of natural stone blocks by an ultrasonic method**  
SAKCALI A., YAVUZ H., ŞAHİN Ş.  
BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.75, no.3, pp.959-966, 2016 (Journal Indexed in SCI)
- VII. **Crustal velocity and Vp/Vs structures beneath central Anatolia from local seismic tomography**  
Salah M. K. , ŞAHİN Ş., Topatan U.  
ARABIAN JOURNAL OF GEOSCIENCES, vol.7, no.10, pp.4101-4118, 2014 (Journal Indexed in SCI)
- VIII. **Frequency-Dependent Attenuation of Coda Waves in the Crust in Southwest Anatolia (Turkey)**  
ŞAHİN Ş., Cinar M.  
PURE AND APPLIED GEOPHYSICS, vol.171, no.7, pp.1203-1217, 2014 (Journal Indexed in SCI)
- IX. **Lg Wave Attenuation in the Isparta Angle and Anatolian Plateau (Turkey)**  
ŞAHİN Ş., Bao X., TÜRKELLİ N., Sandvol E., Teoman U., Kahraman M.  
PURE AND APPLIED GEOPHYSICS, vol.170, no.3, pp.337-351, 2013 (Journal Indexed in SCI)
- X. **Comparison of the attenuation properties for two different areas in eastern Anatolia, Turkey**  
AYDIN U., ŞAHİN Ş.  
SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, vol.31, no.8, pp.1192-1195, 2011 (Journal Indexed in SCI)
- XI. **Seismic velocity and Poisson's ratio tomography of the crust beneath East Anatolia**  
Salah M. K. , ŞAHİN Ş., AYDIN U.  
JOURNAL OF ASIAN EARTH SCIENCES, vol.40, no.3, pp.746-761, 2011 (Journal Indexed in SCI)
- XII. **Lateral variations of coda Q and attenuation of seismic waves in Southwest Anatolia**  
Sahin S.  
JOURNAL OF SEISMOLOGY, vol.12, no.3, pp.367-376, 2008 (Journal Indexed in SCI)
- XIII. **Seismic velocity and Poisson's ratio tomography of the crust beneath southwest Anatolia: an insight into the occurrence of large earthquakes**  
Salah M. K. , Sahin S., Destici C.  
JOURNAL OF SEISMOLOGY, vol.11, no.4, pp.415-432, 2007 (Journal Indexed in SCI)
- XIV. **Anatolian surface wave evaluated at GEOFON Station ISP Isparta, Turkey**  
Erduran M., Cakir O., Tezel T., Sahin S., Alptekin O.  
TECTONOPHYSICS, vol.434, pp.39-54, 2007 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **The relation of seismic velocity and attenuation pattern in the East Anatolian fault zone with**

**earthquake occurrence: Example of January 24, 2020 Sivrice earthquake**

ŞAHİN Ş., ÖKSÜM E.

BULLETIN OF THE MINERAL RESEARCH AND EXPLORATION, vol.165, pp.141-161, 2021 (Journal Indexed in ESCI)

- II. **Determination of volcanic structures in and around Nevşehir by seismic attenuation method**  
ŞAHİN Ş., ÖKSÜM E.  
Journal Of The Faculty Of Engineering And Architecture Of Gazi University, 2020 (Refereed Journals of Other Institutions)
- III. **The High Frequency Seismic Attenuation Structure of the East Anatolian Fault Zone**  
ŞAHİN Ş.  
European International Journal of Science and Technology, 2020 (Refereed Journals of Other Institutions)
- IV. **Türkiye’de Afet Yönetimi ve İş Sağlığı Güvenliği**  
ŞAHİN Ş., ÜÇGÜL İ.  
AFET VE RİSK DERGİSİ, 2019 (Other Refereed National Journals)
- V. **Türkiye’de Afet Yönetimi ve 2023 Hedefleri**  
ŞAHİN Ş.  
TÜRK DEPREM ARAŞTIRMA DERGİSİ, 2019 (Refereed Journals of Other Institutions)
- VI. **Determination of seismic P and S wave velocity structure of crust in Central Anatolia**  
DEMİRİKAN İ. H. , ŞAHİN Ş., ÖKSÜM E.  
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSİTESİ MUHENDİSLİK BİLİMLERİ DERGİSİ, vol.25, no.6, pp.775-784, 2019 (Journal Indexed in ESCI)
- VII. **Marmara Bölgesi’nde Fayların Sismogenik Özelliklerinin Belirlenmesi**  
ŞAHİN Ş., AYDIN U.  
Teknik Bilimler Dergisi, 2018 (Other Refereed National Journals)
- VIII. **Doğu Akdeniz’in Kabuk Yapısı ve Sismik Hız Dağılımının Üç Boyutlu Sismik Tomografi ile Belirlenmesi**  
ŞAHİN Ş., ÇİFTÇİ C., OKYAR M., ÖKSÜM E.  
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.22, no.2, pp.961-971, 2018 (Other Refereed National Journals)
- IX. **The Determination of the Continental Borders in Anatolia Region from the Long-Wavelength Gravitational Data and Seismic Velocity Perturbation**  
ŞAHİN Ş., Toker E., Abdelwahed M.  
European International Journal of Science and Technology, pp.1-17, 2017 (Refereed Journals of Other Institutions)
- X. **Türkiye de ve Dünyada Meslek Kuruluşları TMMOB Örneği**  
ŞAHİN Ş.  
Mimar ve Mühendis, 2016 (National Non-Refereed Journal)
- XI. **Crustal Velocity and Poisson s Ratio Structures beneath Northwest Anatolia Imaged by Seismic Tomography**  
ŞAHİN Ş.  
Eur. Int. J. Sci. Technol., 2014 (Refereed Journals of Other Institutions)
- XII. **KEMALİYE CEVRESİNDE Pg Sg SOĞURULMASI VE YENİ MAGNİTÜD FORMÜLÜ**  
AYDIN U., ŞAHİN Ş.  
SAKARYA ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, vol.16, no.1, 2012 (Other Refereed National Journals)
- XIII. **Burdur Gölü Uzun Periyotlu Seviye Değişiminin Su Kalitesi ve Ağır Metaller Üzerindeki Etkisi**  
Beyhan M., Şahin Ş., Keskin M. E. , Harman B. İ.  
SDÜ Fen Bilimleri Enstitüsü Dergisi, vol.11, no.2, pp.173-179, 2007 (Other Refereed National Journals)

## **Refereed Congress / Symposium Publications in Proceedings**

- I. **Development of the Integrated Disaster Management in Turkey**  
ŞAHİN Ş.

International Science and Engineering Applications Symposium on Hazards 2019, 25 - 27 September 2019, pp.351-359

- II. **Microzonation Studies and Urban Transformation in Earthquake Damage Reduction**  
ŞAHİN Ş.  
International Science and Engineering Applications Symposium on Hazards 2019, Karabük, Turkey, 25 - 27 September 2019, pp.360-368
- III. **INSAR ANALYSIS OF AYVACIK 2017 (MW 5.3) EARTHQUAKE SWARM (CANAKKALE, NW-TURKEY)**  
ABDİKAN S., İmamoğlu M., Alasağ T., TOKER M., KUTOĞLU Ş. H. , ŞAHİN Ş.  
ISPRS Geospatial Week 2019, Enschede, Netherlands, 10 June - 14 October 2019, pp.1907-1911
- IV. **Determination of the low velocity crustal structures in Marmara Region**  
DEMİRSEKİKAN İ. H. , ŞAHİN Ş.  
NTGE- 2018, NEW TRENDS IN GEOPHYSICS AND ENGINEERING, International Symposium, 7 - 10 October 2018
- V. **The Geothermal Potential of Çorum and its vicinity**  
ŞAHİN Ş.  
Isrc2018-III. International Strategic Researches Congress 2018, 3 - 05 May 2018
- VI. **Nevşehir ve Çevresinin Jeotermal Potansiyeli**  
ŞAHİN Ş.  
BILMES CONGRESS 2018- II. International Scientific and Vocational Studies Congress, 5 - 08 July 2018
- VII. **The current earthquake activity in Gokova Gulf and analysis Of July 21th, 2017 Bodrum earthquake**  
ŞAHİN Ş., ÖZTÜRK S., ÖKSÜM E.  
4th International Conference on Engineering and Natural Sciences (ICENS 2018), 2 - 06 May 2018
- VIII. **The Subduction Geometry of the Isparta Angle,**  
ŞAHİN Ş.  
the 9th Congress of the Balkan Geophysical Society (BGS2017), Antalya, Turkey, 5 - 09 November 2017, pp.1-5
- IX. **Attenuation tomography in East Marmara Region, Turkey**  
ŞAHİN Ş., ÖKSÜM E.  
the 9th Congress of the Balkan Geophysical Society (BGS2017), 5 - 09 November 2017
- X. **Isparta ve Çevresi Tektonik Yapıların Sismik Soğrulma Tomografisi ile Görüntülenmesi**  
ŞAHİN Ş., ÖKSÜM E.  
ATAG21, Aktif Tektonik Grubu 21. Çalıştayı, Afyonkarahisar, Turkey, 26 - 28 October 2017
- XI. **2015 – 2016 Yılları Arasında Oluşan Depremlerle Orta Anadolu'nun Üç Boyutlu Poisson Oranı Sismik Tomografi Haritalarının Hesaplanması**  
DEMİRSEKİKAN İ. H. , ŞAHİN Ş.  
ATAG21, Aktif Tektonik Grubu 21. Çalıştayı, Turkey, 26 - 28 October 2017
- XII. **Orta Anadolu'da Kabuksal Yapılarının P ve S Dalgası Tomografi Yöntemleriyle Belirlenmesi**  
ŞAHİN Ş.  
4. Uluslararası Deprem Mühendisliği ve Sismoloji Konferansı, Eskişehir, Turkey, 11 - 13 October 2017, pp.1-5
- XIII. **2015 – 2016 yılları arasında oluşan depremlerle Orta Anadolu'nun Sismik Tomografisi'nin hesaplanması**  
DEMİRSEKİKAN İ. H. , ŞAHİN Ş.  
90 Yılın ardından İstanbul Üniversitesi' in Jeofizik Serüveni sempozyumu, Turkey, 10 - 12 May 2017
- XIV. **Determination of Middle Anatolian's Seismic P Wave Structures with Earthquakes**  
ŞAHİN Ş.  
International Conference On Engineering And Natural Science, Budapeşte, Hungary, 3 - 07 May 2017, pp.726
- XV. **Study of Central Anatolia by using Poisson Ratio Seismic Tomography Method with Earthquakes**  
ŞAHİN Ş.  
International Conference On Engineering And Natural Science, Budapeşte, Hungary, 3 - 07 May 2017, pp.672
- XVI. **Crustal Velocity Structure of the North-Eastern Mediterranean Revealed by Local Seismic Tomography**  
ÇİFTÇİ C., ŞAHİN Ş., OKYAR M.  
7th International Geosciences Student Conference, Katowice, Poland, 11 - 14 July 2016

- XVII. **Study of Türkiye s Crustal Structure by Using the 3D Seismic Tomography Method**  
DEMİRSİKAN İ. H. , ŞAHİN Ş.  
ICENS International Conference On Engineering And Natural Science, Sarajevo, Bosnia And Herzegovina, 24 - 28 May 2016
- XVIII. **Yerel Kalkınmada Kent Konseylerinin Rolü**  
ŞAHİN Ş.  
YEKAF 2016, Antalya, Turkey, 3 - 06 March 2016
- XIX. **Mermer Bej ve Traverten Bloklarında Plaka Veriminin Ultrasonik Ölçümlerle Analizi**  
**Efficiency by Ultrasonic Measurement on Marble Beige and Travertine Blocks**  
SAKCALI A., YAVUZ H., ŞAHİN Ş.  
TÜRKİYE 24. ULUSLARARASI MADENCİLİK KONGRESİ BİLDİRİLER KİTABI, Antalya, Turkey, 14 - 17 April 2015, pp.790-795
- XX. **Sakcalı A Yavuz H Şahin Ş 2015 Mermer Bej ve Traverten Bloklarında Plaka Veriminin Ultrasonik Ölçümlerle Analizi**  
SAKCALI A., YAVUZ H., ŞAHİN Ş.  
Türkiye 24. Uluslararası Madencilik Kongresi ve Sergisi, 14 - 17 April 2015
- XXI. **Assessment of Density of Structural Defects on Different Travertine Blocks by Ultrasonic Method**  
SAKCALI A., YAVUZ H., ŞAHİN Ş.  
V. Global Stone Congress, Antalya, Turkey, 22 - 25 October 2014
- XXII. **Isparta'da Toprak Altı Isı Gradientinin Belirlenmesi**  
ŞAHİN Ş., PARLAK J., ÜÇGÜL İ.  
Yeni ve Yenilenebilir Enerji Kaynakları Sempozyumu, Kayseri, Turkey, 3 - 04 June 2005, pp.47-50
- XXIII. **Burdur Çevresinde Yaşanan Depremler ve Çevresel Sorunlar**  
ŞAHİN Ş., BEYHAN M., KESKİN M. E. , HARMAN B. İ.  
I. Burdur Sempozyumu, Turkey, 16 - 19 November 2004
- XXIV. **Göller Bölgesinde meydana gelen sismotektonik olaylar ve Burdur Fayı ile ilişkisi**  
ŞAHİN Ş., YAĞMURLU F., BOZCU M., ŞENTÜRK M.  
SDÜ. Jeofizik Sempozyumu, Bildiri özleri, Isparta, Turkey, 13 - 15 May 2003, pp.60

## Supported Projects

BEYHAN M., KESKİN E., ŞAHİN Ş., ALTINKALE S., HARMAN B. İ. , Project Supported by Higher Education Institutions, Burdur Gölü Seviye Değişiminin Göl Suyu Kalitesi Üzerindeki Etkisinin Çevre ve Tektonizma Açısından İncelenmesi, 2004 - 2006

## Scientific Refereeing

Pamukkale Üniversitesi Mühendislik Bilimleri Dergisi, National Scientific Refreed Journal, September 2017  
Journal of the Faculty of Engineering and Architecture of Gazi University, SCI Journal, July 2017  
Journal of Asian Earth Sciences, Hakemlik Sayısı, SCI Journal, June 2017  
Journal of the Faculty of Engineering and Architecture of Gazi University, SCI Journal, May 2017  
Turkish Journal of Earth Sciences, SCI Journal, May 2017  
JOURNAL OF EARTHQUAKE ENGINEERING, SCI Journal, April 2017

## Citations

Total Citations (WOS):80  
h-index (WOS):5