

Asst. Prof. ÖZLEM HACIOĞLU

Personal Information

Office Phone: [+90 462 377 2070](tel:+904623772070)

Email: ozlem.hacioglu@ktu.edu.tr

Web: <https://avesis.ktu.edu.tr/ozlem.hacioglu>

International Researcher IDs

ORCID: 0000-0002-0747-6752

Publons / Web Of Science ResearcherID: AAR-3502-2020

Yoksis Researcher ID: 189304

Education Information

Doctorate, Bogazici University, Kandilli Observatory And Earthquake Research Institute, Department Of Geophysics, Turkey 2013 - 2019

Postgraduate, Bogazici University, Kandilli Observatory And Earthquake Research Institute, Jeofizik, Turkey 2009 - 2012

Dissertations

Doctorate, Three-Dimensional Resistivity Modelling and Interpretation of Geothermal Fields in the Gediz Graben by Magnetotellurics, Bogazici University, Kandilli Observatory And Earthquake Research Institute, Department Of Geophysics, 2019

Postgraduate, Imaging fluid-rich zones by magnetotelluric method at South Marmara, Bogazici University, Kandilli Rasathanesi Ve Deprem Araştırma Enstitüsü, Jeofizik, 2012

Research Areas

Electro Magnetic and Electrical Methods

Academic Titles / Tasks

Research Assistant PhD, Karadeniz Technical University, Mühendislik Fakültesi, Jeofizik Mühendisliği, 2018 - Continues

Research Assistant, Bogazici University, Kandilli Observatory And Earthquake Research Institute, Department Of Geophysics, 2013 - 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. Magnetotellurics unveils a hidden caldera complex beneath the Cappadocia Volcanic Province, Central Anatolia, Türkiye**
Hacıoğlu Ö., Başokur A. T., Meqbel N., Arslan H. İ., Efeçinar T.
JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH, vol.442, 2023 (SCI-Expanded)
- II. Imaging gypsum–anhydrite interface by a structure-based conceptual resistivity model: A case study from Bala (Turkey) gypsum deposits**

AKCA İ., HACIOĞLU Ö., Başokur A. T.

Near Surface Geophysics, vol.21, no.1, pp.82-92, 2023 (SCI-Expanded)

III. **Magnetotelluric imaging of the shallow-seated magma reservoir beneath the Karadağ stratovolcano, Central Anatolia, Turkey**

Başokur A. T., Koçyiğit A., Hacıoğlu Ö., Arslan H. İ., Meqbel N.

Journal of Volcanology and Geothermal Research, vol.427, 2022 (SCI-Expanded)

IV. **Geothermal potential of the eastern end of the Gediz basin, western Anatolia, Turkey revealed by three-dimensional inversion of magnetotelluric data**

HACIOĞLU Ö., Başokur A. T., Diner C.

GEO THERMICS, vol.91, 2021 (SCI-Expanded)

V. **The effect of active extensional tectonics on the structural controls and heat transport mechanism in the Menderes Massif geothermal province: Inferred from three-dimensional electrical resistivity structure of the Kursunlu geothermal field (Gediz Graben, western Anatolia)**

Hacıoğlu Ö., Başokur A. T., Diner Ç., Meqbel N., Arslan H. B., Oguz K.

GEO THERMICS, vol.85, 2020 (SCI-Expanded)

VI. **Crustal structure of a young collision zone: the Arabia–Eurasia collision in northeastern Turkey investigated by magnetotelluric data**

Hacıoğlu Ö., Başokur A. T., Ciftci E. T.

Earth, Planets and Space, vol.70, no.1, 2018 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

I. **Geomagnetic Observations In Kandilli Observatory and A Story of November 2023 Magnetic Storm**
Çiftçi E., Hacıoğlu Ö., Çelik C.

1. International Üsküdar Scientific Research and Innovation Congress, İstanbul, Turkey, 19 - 20 July 2024, pp.1

II. **Electromagnetic Image of Calderas and Sub-Volcanic Systems**

Hacıoğlu Ö.

9. Yerelektrik Çalıştayı, Afyonkarahisar, Turkey, 8 - 10 May 2024, pp.1

III. **Geoelectrical Characterization of Geothermal Reservoirs – Case Studies from Gediz Geothermal Area (Türkiye)**

Hacıoğlu Ö., Başokur A. T.

Eurasia Geoscience Congress and Exhibition 2023, Antalya, Turkey, 10 - 13 November 2023, pp.103

IV. **Kapadokya Bölgesinde Gömülü Kalderanın Manyetotellürk Yöntem ile Görüntülenmesi ve Jeotermal Potansiyelinin Değerlendirilmesi**

Başokur A. T., Hacıoğlu Ö., Meqbel N., Arslan H. İ., Efeçinar T.

21st International Petroleum and Natural Gas Congress and Exhibition of Turkey, Ankara, Turkey, 27 - 29 September 2023, pp.1

V. **Magnetotellurics reveals a hidden caldera and its relation to regional tectonics in the Cappadocia region, central Anatolia, Turkey**

Hacıoğlu Ö., Başokur A. T., Meqbel N., Arslan H. İ., Efeçinar T.

25th EM Induction Workshop, İzmir, Turkey, 11 - 18 September 2022, pp.297

VI. **Kıta-içi Volkanik Bir Sistemin Elektriksel Yapısı: Karadağ Stratovolkanı, Orta Anadolu Volkanik Bölgesi (Türkiye)**

Hacıoğlu Ö., Başokur A. T., Koçyiğit A., Arslan H. İ., Meqbel N.

8. Yer Elektrik Çalıştayı, Trabzon, Turkey, 16 - 18 May 2022, pp.19-23

VII. **A hidden collapsed caldera revealed from 3D resistivity modelling of magnetotelluric data acquired for a geothermal exploration in Cappadocia region of central Turkey**

Başokur A. T., Meqbel N., Hacıoğlu Ö., Arslan H. İ., Efeçinar T.

10th Congress of Balkan Geophysical Society, Albena, Bulgaria, 18 - 22 September 2019, pp.1-5

VIII. **Three-dimensional characterization of the geothermal systems in the southern margin of the Gediz**

Graben (western Turkey) inferred from magnetotelluric data

Başokur A. T., Meqbel N., Hacıoğlu Ö., Arslan H. İ.

24nd EM Induction Workshop, Helsingor, Denmark, 13 - 20 August 2018, pp.1

- IX. **Magnetotelluric investigation for structurally-controlled geothermal systems in active extensional basins: An example from Gediz Graben, western Anatolia, Turkey**
Hacıoğlu Ö., Başokur A. T.
24nd EM Induction Workshop, Helsingor, Denmark, 13 - 20 August 2018, pp.1
- X. **Magnetotelluric imaging of crustal fluids and seismicity at the East Anatolian Collision Zone, Northeastern Turkey**
Cengiz Ö., Başokur A. T., Tolak Çiftçi E.
23nd EM Induction Workshop, Chiang Mai, Thailand, 14 - 20 August 2016, pp.1
- XI. **Doğu Anadolu Çarpışma Zonunun Elektriksel Özdirenç Yapısı (Kuzeydoğu Anadolu)**
Cengiz Ö., Başokur A. T., Tolak Çiftçi E.
6. Yer Elektrik Çalıştayı, Kocaeli, Turkey, 23 - 25 May 2016, pp.65-67
- XII. **The electrical Resistivity Structure of the East Anatolian Collision Zone Northeastern Anatolia**
Cengiz Ö., Başokur A. T., Tolak Çiftçi E.
European Geosciences Union General Assembly 2016, Vienna, Austria, 17 - 22 April 2016
- XIII. **Determining the Role of Fluids near a Slab Window in Central Anatolia, Turkey by Magnetotellurics Method**
Tank B., Yakar B., Cengiz Ö., Sandvol E. A., Ogawa Y.
American Geoscience Union Fall Meeting 2014, New York, United States Of America, 15 - 19 December 2014, pp.1
- XIV. **Two and Three Dimensional Resistivity Structure at the Central Part of the North Anatolian Fault Revealed by Magnetotellurics**
Cengiz Ö., Tank S. B., Yakar B., Ogawa Y.
22nd EM Induction Workshop, Weimar, Germany, 24 - 30 August 2014
- XV. **Electrical Resistivity Structure at the Central Anatolian Fault Zone: Results from 2D and 3D Inversion of Wide band Magnetotelluric Data**
Yakar B., Tank S. B., Cengiz Ö., Ogawa Y.
22nd EM Induction Workshop, Weimar, Germany, 24 - 30 August 2014, pp.1
- XVI. **Kuzey Anadolu Fayı' nın Orta Kısımının 2 ve 3B' lu Özdirenç Yapısının Manyetotellürik Yöntem ile Araştırılması**
Cengiz Ö., Tank S. B., Yakar B.
5. Yer Elektrik Çalıştayı, Edirne, Turkey, 26 - 28 May 2014, pp.19-22
- XVII. **Üç-Boyutlu Manyetotellürik Verinin İki-Boyutlu İncelenmesi: Akım Kanallanması Örneği**
Cengiz Ö., Tank B., Yakar B.
5. Yer Elektrik Çalıştayı, Edirne, Turkey, 26 - 28 May 2014, pp.12-13
- XVIII. **Orta anadolu fay zonunun rezistivite yapısının iki ve üç boyutlu manyetotellürik ters çözüm sonuçlarının yorumlanması**
Yakar B., Tank B., Cengiz Ö.
5. Yer Elektrik Çalıştayı, Edirne, Turkey, 26 - 28 May 2014, pp.136-138
- XIX. **Electrical Resistivity Imaging at Western Turkey by Wideband Magnetotelluric Method**
Tuncer M. K., Cengiz Ö., Tank B., Tolak Çiftçi E., Kaya T., Ogawa Y., Honkura Y., Matsushima M., Oshiman N., Çelik C.
Japan Geoscience Union Meeting, Yokohama, Japan, 28 April - 02 May 2014, pp.1
- XX. **Imaging Fluid-Rich Zones by Magnetotelluric Method at South Marmara Region, Turkey**
Cengiz Ö., Tank S. B., Tolak Çiftçi E., Kaya T., Ogawa Y., Honkura Y., Tuncer M. K., Matsushima M., Oshiman N., Çelik C.
European Geosciences Union General Assembly, Vienna, Austria, 7 - 12 April 2013, vol.15, pp.1
- XXI. **Manyetotelluric Yöntem ile Güney Marmara Bölgesi nin İki Boyutlu Özdirenç Yapısının Çıkarılması**
Cengiz Ö., Tank S. B., Tolak Çiftçi E., Tunçer M. K.
4. Yer Elektrik Çalıştayı, İzmir, Turkey, 21 - 23 May 2012

Supported Projects

Haciođlu ., TUBITAK Project, Volkanik rtl Alanlarda Manyetotellrik Yntemin Hidrokarbon Arama Etkinliđinin Arařtırılması, 2022 - 2024

Metrics

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