

## Res. Asst. HİLAL ÖZTÜRK

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AAL-5543-2021

Yoksis Researcher ID: 104423

### Education Information

Doctorate, İstanbul University-Cerrahpaşa, Cerrahpasa Faculty Of Medicine, Department Of Basic Medical Sciences, Turkey 2014 - 2022

Postgraduate, Karadeniz Technical University, Fen Edebiyat Fakültesi, Fizik, Turkey 2009 - 2013

Undergraduate, Karadeniz Technical University, Fen Edebiyat Fakültesi, Fizik, Turkey 2005 - 2009

### Dissertations

Doctorate, Sıçanlarda 50 Hz Frekanslı Manyetik Alan Maruziyetinin İmmün Sistem Üzerine Etkilerinin Belirlenmesi, İstanbul University-Cerrahpaşa, Cerrahpasa Faculty Of Medicine, Department Of Basic Medical Sciences, 2022

Postgraduate, X-ışınlarının Soğurulmasında Kolimatör Etkisi, Karadeniz Technical University, Fen Edebiyat Fakültesi, Fizik, 2013

### Research Areas

Medicine, Health Sciences, Fundamental Medical Sciences, Biophysics

### Academic Titles / Tasks

Research Assistant, Karadeniz Technical University, Tıp Fakültesi, Temel Tıp, 2019 - Continues

Lecturer, İstanbul Okan University, Vocational School Of Health Services, 2013 - 2019

### Academic and Administrative Experience

Program başkanı, İstanbul Okan University, Tıbbi Görüntüleme Teknikleri, 2013 - 2019

### Courses

Radyasyon Fiziği, Associate Degree, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

Biyofizik, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017

Biyofizik, Associate Degree, 2018 - 2019, 2017 - 2018, 2016 - 2017

Temel Fizik, Associate Degree, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

Nükleer Tıp Fiziği, Associate Degree, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

Görüntüleme Cihazlarının Yapısı, Associate Degree, 2018 - 2019, 2017 - 2018, 2016 - 2017

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Synthesis and characterization of newly phthalocyanine molecules: Their enzyme inhibition and antioxidant properties, in silico and in vitro**  
ÇELİK F., ÜNVER Y., OzTuncay F., Cakmak U., KOLCUOĞLU Y., Uzun K., ÖZTÜRK H., Yorulmaz N., DEĞİRMENCİOĞLU İ.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.1016, 2024 (SCI-Expanded)
- II. **Alarin potentiates ongoing epileptiform activity in rat brain slices: an in vitro electrophysiological study**  
KALKAN Ö. F., ÖZTÜRK H., ŞAHİN Z., BAŞOĞLU H., Abidin S. A., ABİDİN İ.  
Acta Neurobiologiae Experimentalis, vol.84, no.1, pp.35-42, 2024 (SCI-Expanded)
- III. **Title: A Boron-Chelating Piperazine-Tethered Schiff Base Can Modulate Excitability in Brain Slices in a Specific Frequency Range**  
BAŞOĞLU H., DEĞİRMENCİOĞLU İ., ÖZTÜRK H., Yorulmaz N., ABİDİN S., ABİDİN İ.  
ChemistrySelect, vol.8, no.48, 2023 (SCI-Expanded)
- IV. **Fisetin decreases the duration of ictal-like discharges in mouse hippocampal slices**  
Ozturk H., Basoglu H., Yorulmaz N., Aydin-Abidin S., Abidin I.  
JOURNAL OF BIOLOGICAL PHYSICS, vol.48, no.3, pp.355-368, 2022 (SCI-Expanded)
- V. **Extremely low frequency electromagnetic fields exposure during the prenatal and postnatal periods alters pro-inflammatory cytokines levels by gender.**  
Ozturk H., Saribal D., Gelmez Y. M., Deniz G., Yilmaz A., Kirectepe A., Ercan A. M.  
Electromagnetic biology and medicine, vol.41, pp.163-173, 2022 (SCI-Expanded)
- VI. **Phoenixin-14 reduces the frequency of interictal-like events in mice brain slices**  
KALKAN Ö. F., ŞAHİN Z., ÖZTÜRK H., KESER H., ABİDİN S., ABİDİN İ.  
EXPERIMENTAL BRAIN RESEARCH, vol.239, no.9, pp.2841-2849, 2021 (SCI-Expanded)
- VII. **Determination of radiation dose from patients undergoing Tc-99m Sestamibi nuclear cardiac imaging**  
Gunay O., Sarihan M., Yazar O., Abuqbeith M., Demir M., SÖNMEZOĞLU K., Abamor E., Kara O. E., Isikci N. I., Akozcan S., et al.  
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, vol.16, no.9, pp.5251-5258, 2019 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Effects of housing conditions on stress, depressive like behavior and sensory-motor performances of C57BL/6 mice**  
Abidin İ., Keser H., Şahin E., Öztürk H., Başoğlu H., Alver A., Aydin-Abidin S.  
LABORATORY ANIMAL RESEARCH, vol.40, no.1, 2024 (ESCI)
- II. **Investigation of In Silico Properties of [5-Hydroxy-7-(Pentyloxy)-2-Phenyl-4h-Chromen-4-One] molecule and its Effects on In-Vitro Epileptiform Activation in Brain Slices**  
BAŞOĞLU H., ÖZTÜRK H., YORULMAZ N., ABİDİN S., ABİDİN İ.  
Acta Medica Nicomedia, vol.6, 2023 (Peer-Reviewed Journal)
- III. **Flavonoidlerin Beyin Fonksiyonu Üzerindeki Potansiyellerini Keşfetmek: Üç Fenolik Bileşiğin Beyin Elektriksel Aktivitesi Üzerindeki Etkileri**  
ÖZTÜRK H., BAŞOĞLU H., ABİDİN S., ABİDİN İ.  
Harran Üniversitesi Tıp Fakültesi Dergisi, 2023 (Peer-Reviewed Journal)

- IV. **Evaluation of Some Sulfonamide Derivatives as a Potential Inhibitors of The Carbonic Anhydrase IX/XII by ADME and Molecular Docking Method**  
YORULMAZ N., ÖZTÜRK H., DURGUN M.  
Adıyaman Üniversitesi Fen Bilimleri Dergisi, vol.12, pp.88-105, 2022 (Scopus)
- V. **L-Theanine Reduces Epileptiform Activity In Brain Slices**  
BAŞOĞLU H., ÖZTÜRK H., KESER H., ABİDİN S., ABİDİN İ.  
Akdeniz Tıp Dergisi, vol.8, pp.121-127, 2022 (Peer-Reviewed Journal)
- VI. **In silico investigation of Alliin as potential activator for AMPA receptor**  
ÖZTÜRK H., Yorulmaz N., Durgun M., BAŞOĞLU H.  
BIOMEDICAL PHYSICS & ENGINEERING EXPRESS, vol.8, no.1, 2022 (ESCI)
- VII. **Sinirbilim Araştırmalarında Taze Beyin Kesitleri: Fizyolojik Yöntemler, Avantajları ve Kullanım Alanları**  
Öztürk H., Abidin İ.  
Journal of Harran University Medical Faculty, vol.18, no.3, pp.517-528, 2021 (Peer-Reviewed Journal)
- VIII. **Determination of Antibacterial Properties of Some Sulfonamide Compounds by Molecular Docking**  
Öztürk H., Yorulmaz N., Durgun M., Turhan İrak Z. Ş., Sarpün İ. H.  
Süleyman Demirel Üniversitesi Fen Edebiyat Fakültesi Fen Dergisi, vol.16, no.2, pp.458-467, 2021 (Peer-Reviewed Journal)
- IX. **İyonize Radyasyon ile Çalışan Tıbbi Görüntüleme Cihazlarının Proje Temelli Öğrenimi**  
Öztürk H.  
Journal of Health Services and Education, vol.3, no.1, pp.20-27, 2019 (Peer-Reviewed Journal)

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

- I. **Quantative Analysis of Equivalent Atomic Number (Z<sub>eq</sub>) in Barium-Infused Glass Systems**  
Öztürk H., Günay O., Avcı Karakurt D.  
ICSuSaT, İstanbul, Turkey, 12 - 14 July 2024
- II. **Effects of neuropeptide s receptor signaling on epileptiform activity in the piriform cortex of mice**  
Abidin İ., Başoğlu H., Köse D., Öztürk H., Abidin S.  
Federation of European Neuroscience Societies (FENS) 2024 Forum of Neuroscience, Vienna, Austria, 25 - 29 June 2024, pp.1
- III. **Reduced cortical excitability and synaptic proteins in the brain of APOE deficient mice**  
Abidin S., Başoğlu H., Öztürk H., Göçmen A. Y., Uydu H. A., Abidin İ.  
Federation of European Neuroscience Societies (FENS) 2024 Forum of Neuroscience, Vienna, Austria, 25 - 29 June 2024, pp.2
- IV. **Housing settings affect C57BL/6 mice's stress, depressive-like behavior, and sensory-motor skills**  
Keser H., Abidin İ., Şahin E., Öztürk H., Başoğlu H., Alver A., Abidin S.  
Federation of European Neuroscience Societies (FENS) 2024 Forum of Neuroscience, Vienna, Austria, 25 - 29 June 2024, pp.3
- V. **Evaluation of the effect of tyrosol on excitability in the brain by molecular docking method**  
ÖZTÜRK H.  
9.International GAP Summit Scientific Research Congress, 01 July 2022
- VI. **Fisetinin Nöronal Etkilerinin Araştırılması: Moleküler Docking ve Elektrofizyoloji Çalışması**  
Öztürk H., Başoğlu H., Yorulmaz N., Keser H., Abidin S., Abidin İ.  
32. Ulusal Biyofizik Kongresi, Şanlıurfa, Turkey, 17 - 19 November 2021, pp.42-43
- VII. **INVESTIGATION OF ANTIBACTERIAL PROPERTIES OF SOME SULFONAMIDE COMPOUNDS BY MOLECULAR DOCKING METHOD**  
TURHAN İRAK Z. Ş., YORULMAZ N., DURGUN M., ÖZTÜRK H., SARPÜN İ. H.  
5th International Conference on Engineering Technology and Applied Sciences (ICETAS), 02 August 2021
- VIII. **PHOENIXIN-14 MODULATES SEIZURE-LIKE EVENTS IN AMYGDALA**

ÖZTÜRK H.

6. ULUSLARARASI GAP MATEMATİK-MÜHENDİSLİK-FEN VE SAĞLIK BİLİMLERİ, Şanlıurfa, Turkey, 26 June 2021

**IX. Kolorektal Kanserli Vakalarda SCN5A Ekson 18 değişimi**

ÖZTÜRK H., USLU D., KÖRPİNAR M. A., ERDAMAR ÇETİN A. S., TUNCEL H.

26. Ulusal Biyofizik Kongresi, Turkey, 09 September 2014

**X. Kolorektal kanserli vakalarda SCN5A ekson değişimi**

Öztürk H.

26. Ulusal Biyofizik Kongresi, Tokat, Turkey, 9 - 12 September 2014, pp.60-61

## Supported Projects

Öztürk H., TUBITAK Project, Gelişim Sürecinde 50 Hz Frekanslı Manyetik Alan Maruziyetinin Beyin İnflamasyon Belirteçlerine ve Sinaptik Proteinlere Etkisinin Belirlenmesi, 2021 - 2022

ABİDİN İ., ALVER A., ABİDİN S., ÖZTÜRK H., KESER H., Project Supported by Higher Education Institutions, Ventilasyonlu sistem kafeslerde ve klasik açık kafeslerde barındırılan farelerin kilo alımları depresyon durumlarının ve motor performanslarının karşılaştırılması, 2020 - 2022

## Metrics

Publication: 26

Citation (WoS): 18

Citation (Scopus): 21

H-Index (WoS): 3

H-Index (Scopus): 3