

## Res. Asst. HATİCE KESER

### Personal Information

Office Phone: [+90 462 377 7817](tel:+904623777817)

Email: [haticekeser@ktu.edu.tr](mailto:haticekeser@ktu.edu.tr)

Web: <https://avesis.ktu.edu.tr/haticekeser>

Address: Karadeniz Teknik Üniversitesi Tıp Fakültesi Temel Tıp Bilimleri Biyofizik Anabilim Dalı

### International Researcher IDs

ORCID: 0000-0002-0990-2612

Yoksis Researcher ID: 263474

### Education Information

Undergraduate, Anadolu University, Open Education Faculty, Sağlık Yönetimi, Turkey 2017 - Continues

Doctorate, Adnan Menderes Üniversitesi, Tıp Fakültesi Temel Tıp Bilimleri, Biyofizik, Turkey 2016 - Continues

Postgraduate, Adnan Menderes Üniversitesi, Tıp Fakültesi Temel Tıp Bilimleri, Biyofizik, Turkey 2013 - 2016

Undergraduate, Ege University, Faculty Of Science, Fizik, Turkey 2010 - 2012

### Foreign Languages

English, B2 Upper Intermediate

### Certificates, Courses and Trainings

Health&Medicine, Uyku Hastalıkları, EEG ile Bilişsel Becerinin İlişkisi, MATLAB Uygulamaları, Türkiye Beyin Araştırmaları ve Sinir Bilimleri Derneği, 2019

Health&Medicine, Gazi-Ege Bingss Neuroscience Graduate Summer Workshop and Practical Training, Türkiye Beyin Araştırmaları ve Sinirbilimleri Derneği, 2018

Health&Medicine, Utrecht University Neural Circuit Development and Plasticity Summer School, Utrecht University, 2018

Health&Medicine, Protein Kromatografisi Yaz Okulu, Adnan Menderes Üniversitesi - Hacettepe Üniversitesi, 2017

Health&Medicine, Laboratuvar Hayvanları Kullanım Sertifikası, Adnan Menderes Üniversitesi HADYEK, 2016

Health&Medicine, Cellular Imaging Techniques Workshop, Izmir International Biomedicine and Genome Institute-University of Oxford, 2016

Health&Medicine, Erasmus internship, Utrecht University, 2015

### Dissertations

Postgraduate, Manyetik Alan ve Pterostilbenin Renal İskemi ve Reperfüzyona Etkisi, Adnan Menderes Üniversitesi, Sağlık Bilimleri Enstitüsü, Biyofizik, 2016

### Research Areas

Medicine, Health Sciences, Fundamental Medical Sciences, Biophysics

## Academic Titles / Tasks

Research Assistant, Karadeniz Technical University, Tıp Fakültesi Temel Tıp Bilimleri, Biyofizik, 2017 - Continues

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

- I. **Sensory-motor performance and neurochemical effects in the cerebral cortex of brain-derived neurotrophic factor heterozygous mice fed a high-cholesterol diet.**  
KESER H., Girit O. B., Abidin S., Bilgin M. D., ALVER A., ABİDİN İ.  
Acta neurobiologiae experimentalis, vol.83, no.1, pp.1-9, 2023 (SCI-Expanded)
- II. **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)
- III. **The TrkB agonist 7,8-dihydroxyflavone improves sensory-motor performance and reduces lipid peroxidation in old mice.**  
Keser H., Dođramacı Ş., Şahin E., Sağlam N., Erdem M., Alver A., Aydın-Abidin S.  
General physiology and biophysics, vol.39, no.5, pp.471-479, 2020 (SCI-Expanded)
- IV. **Pterostilbene administration improves the recovery potential of extremely low-frequency magnetic field in acute renal ischemia-reperfusion injury: an FTIR spectroscopic study**  
KESER H., Bozkurt Girit Ö., Majeed M., NAYAK M., Bilgin M. D.  
TURKISH JOURNAL OF BIOLOGY, vol.43, pp.1-14, 2019 (SCI-Expanded)

## Articles Published in Other Journals

- I. **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)

## Refereed Congress / Symposium Publications in Proceedings

- I. **7,8 DHF Akut Etkisinin in vivo Elektrofizyolojik İncelenmesi**  
KESER H., Aydın Abidin S., Abidin İ.  
31. Ulusal Biyofizik Kongresi, Adana, Turkey, 9 - 12 October 2019, pp.44
- II. **Anti-aging Effect of 7,8 DHF Application on Sensory Motor Performance**  
KESER H., Aydın Abidin S., Abidin İ.  
FENS Regional Meeting, Belgrade, Serbia And Montenegro, 10 - 13 July 2019, pp.629
- III. **Kronik Beyin Kaynaklı Nörotrofik Faktör (BDNF) eksikliđinin duysal motor performanslara etkisi**  
KESER H., ABİDİN S., ABİDİN İ.  
17. Ulusal Sinirbilim Kongresi, 4 - 07 April 2019
- IV. **Effects of chronic brain-induced neurotrophic factor (BDNF) deficiency on sensory motor performance**  
KESER H., Aydın Abidin S., Abidin İ.  
17. Ulusal Sinirbilim Kongresi, Trabzon, Turkey, 4 - 07 April 2019, pp.43
- V. **Pterostilbene exhibits neuroprotective effects on function, composition and structure of sciatic nerves in diabetic neuropathy**  
KESER H., Bozkurt Girit Ö., Severcan F., Bilgin M. D.  
11th FENS Forum of Neuroscience, Berlin, Germany, 7 - 11 July 2018, pp.1
- VI. **Manyetik Alan ve Pterostilbenin Renal İskemi-Reperfüzyon Hasarına Etkisi**

KESER H., Bozkurt Girit Ö., Severcan F., Bilgin M. D.

28-29. Ulusal Biyofizik Kongresi, İstanbul, Turkey, 6 - 09 September 2017, pp.107

**VII. MANYETİK ALAN VE PTEROSTİLBENİN RENAL İSKEMİ-REPERFÜZYON HASARINA ETKİSİ**

KESER H., BOZKURT GİRİT Ö., SEVERCAN F., BİLGİN M. D.

28.-29. Ulusal Biyofizik Kongresi (Uluslararası katılımlı), İstanbul, Turkey, 6 - 09 September 2017

**VIII. The Effects of Combined Treatment of Extremely Low Frequency Magnetic Field (50 Hz, 1 mT) and Pterostilbene on Renal Ischemic Injury**

Bozkurt Girit Ö., KESER H., Severcan F., Bilgin M. D.

3rd International Turkish Congress on Molecular Spectroscopy, Muğla, Turkey, 26 - 29 August 2017, pp.141

**IX. Protective Effects of Extremely Low Frequency Magnetic Field (50 Hz, 1 mT) and Pterostilbene Treatment on Renal ischemic Injury**

Bozkurt Girit Ö., KESER H., Severcan F., Bilgin M. D.

Biophysical Society 61st Annual Meeting, New Orleans, United States Of America, 11 - 15 February 2017

**X. Pterostilben tedavisinin tip 1 diyabetik sıçan siyatik siniri üzerine olan nöroprotektif etkileri**

Bozkurt Girit Ö., KESER H., Majeed M., Vaidyanathan P., Bilgin M. D.

27. Ulusal Biyofizik Kongresi, Malatya, Turkey, 29 September - 03 October 2015, pp.44

**XI. Diyabetik nöropatide pterostilben tedavisinin koruyucu etkileri**

Bozkurt Girit Ö., KESER H., Köken E. C., Bilgin M. D.

13. Ulusal Sinirbilim Kongresi, Konya, Turkey, 1 - 03 May 2015, pp.92

## Supported Projects

ABİDİN S., ABİDİN İ., KESER H., Project Supported by Higher Education Institutions, Endojen Beyin Kaynaklı Nörotrofik Faktör (BDNF)'ün Kainik Asit Nörotoksitesine Etkisi, 2018 - 2019

## Metrics

Publication: 20

Citation (WoS): 7

Citation (Scopus): 8

H-Index (WoS): 2

H-Index (Scopus): 2

## Congress and Symposium Activities

31. Ulusal Biyofizik Kongresi, Attendee, Adana, Turkey, 2019

FENS Regional Meeting, Attendee, Belgrade, Serbia And Montenegro, 2019

17. Ulusal Sinirbilim Kongresi, Attendee, Trabzon, Turkey, 2019

11th FENS Forum of Neuroscience, Attendee, Berlin, Germany, 2018

Gazi-Ege Bingss Neuroscience Graduate Summer Workshop and Practical Training, Attendee, Ankara, Turkey, 2018

Utrecht University Neural Circuit Development and Plasticity Summer School, Attendee, Utrecht, Netherlands, 2018

28-29. Ulusal Biyofizik Kongresi, Attendee, İstanbul, Turkey, 2017

3rd International Turkish Congress on Molecular Spectroscopy, Attendee, Muğla, Turkey, 2017

Protein Kromatografisi Yaz Okulu, Attendee, Turkey, 2017

Deney Hayvanları Kullanım Kursu, Attendee, Aydın, Turkey, 2016

Cellular Imaging Techniques Workshop, Attendee, İzmir, Turkey, 2016

Utrecht University Chemistry Day, Attendee, Utrecht, Netherlands, 2015

Bijvoet Center for Biomolecular Research Symposium, Attendee, Utrecht, Netherlands, 2015

6th Traditional Science and Technology Symposium: Neurodegenerative Diseases and Molecular Mechanisms, Attendee, Turkey, 2014

İzmir Genç Fizikçiler Kongresi, Attendee, Turkey, 2012

Turkish Disorder Systems Working Group XI International Symposium on "Disorder Systems: Theory and Its Applications, Attendee, İzmir, Turkey, 2011

## **Scholarships**

Cellular Imaging Techniques Workshop, British Council, 2016 - Continues

Erasmus Staj Hareketliliği, European Commission, 2015 - Continues