



# ADEM AHLATCI

## LECT. PHD

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### International Researcher IDs

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ScopusID: 55931268900

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## Education

Doctorate 2019 - 2023	Istanbul University, Health Sciences Institute, Biyofizik, Turkey
Postgraduate 2010 - 2013	Gaziantep University, Sağlık Bilimler Enstitüsü, Biyofizik, Turkey
Masters (Non-Thesis) 2006 - 2007	Sakarya University, Institute Of Science, Fizik Öğretmenliği, Turkey
Undergraduate 2001 - 2005	Sakarya University, Faculty Of Arts And Sciences, Fizik, Turkey

## Foreign Languages

English, B2 Upper Intermediate

## Certificates, Courses and Trainings

Health&Medicine, DENEY HAYVANLARI KULLANIMI SERTİFİKASI, Van Yüzüncü Yıl Üniversitesi, 2022

Health&Medicine, 7. Uluslararası Beyin Araştırmaları Okulu (BRS-2022) , Süleyman Demirel Üniversitesi, BSN Sağlık Analiz Ltd. ve Nörobam, 2022

Health&Medicine, Uygulamalı Moleküler Genetik Kursu, Van Yüzüncü Yıl Üniversitesi/TEKNOKENT, 2017

Health&Medicine, Türk Radyasyon Onkolojisi Derneği IV. Radyofizik Kursu, Gaziantep Üniversitesi, 2011

Health&Medicine, IMRT Tedavisinde Kalite Kontrol: MLC Testleri Semineri, Medikal Fizik Derneği ANKARA, 2010

Health&Medicine, Fizik Mühendisleri Odası Bilgilendirme Semineri, Gaziantep Üniversitesi, 2009

## Dissertations

Doctorate, PENTİLENTETRAZOL İLE OLUŞTURULMUŞ İN VİTRO NÖROTOKSİSİTE MODELİNDE TRPM2 KATYON KANALI ARACILIĞI İLE VALPROİK ASİT ETKİSİNİN ARAŞTIRILMASI, Istanbul University, Health Sciences Institute, İstanbul Tıp Fakültesi Bölümü, 2023

Postgraduate, İYONİZE RADYASYON UYGULANAN SIÇANLARIN BEYİN DOKUSUNDA NİTROZATİF STRES ÜZERİNE NİGELLA SATİVA'NIN ETKİSİNİN ARAŞTIRILMASI, Gaziantep University, Sağlık Bilimler Enstitüsü, Biyofizik, 2013

## Academic Positions

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Lecturer  
2017 - Continues

Van Yüzüncü Yıl University, Van Sağlık Hizmetleri Meslek Yüksekokulu, Sağlık  
Teknikerliği Bölümü

## Funded Projects

1. Bektaş M., Tülüce Y., Ahlatcı A., Project Supported by Higher Education Institutions, Pentilentetrazol ile Oluşturulmuş in vitro Nörotoksiste Modelinde TRPM2 Katyon Kanalı Aracılığı ile Valproik Asit Etkisinin Araştırılması, 2022 - 2023

## Journal articles indexed in SCI, SSCI, and AHCI

1. **The Effect of Selenium Against Cadmium-Induced Nephrotoxicity in Rats: The Role of the TRPM2 Channel**  
Keleş Ö. F., Bayir M. H., Çiçek H. A., Ahlatcı A., Yıldızhan K.  
TOXICS, vol.13, no.2, pp.1-12, 2025 (SCI-Expanded)
2. **Effect of selenium against doxorubicin-induced oxidative stress, inflammation, and apoptosis in the brain of rats: Role of TRPM2 channel**  
Yıldızhan K., Huyut Z., Altındağ F., Ahlatcı A.  
INDIAN JOURNAL OF BIOCHEMISTRY AND BIOPHYSICS, vol.60, no.3, pp.177-185, 2023 (SCI-Expanded)
3. **Valproic Acid Attenuated PTZ-induced Oxidative Stress, Inflammation, and Apoptosis in the SH-SY5Y Cells via Modulating the TRPM2 Channel**  
Ahlatcı A., Yıldızhan K., Tülüce Y., Bektaş M.  
NEUROTOXICITY RESEARCH, vol.40, no.6, pp.1979-1988, 2022 (SCI-Expanded)
4. **Can zaprinast and avanafil induce the levels of angiogenesis, bone morphogenic protein 2, 4 and 7 in kidney of ovariectomised rats?**  
Huyut Z., BAKAN N., YILDIRIM S., Akbay H. İ., HUYUT M. T., Ahlatcı A., Uçar B.  
ARCHIVES OF PHYSIOLOGY AND BIOCHEMISTRY, vol.128, no.4, pp.945-950, 2022 (SCI-Expanded)
5. **Neuroprotective effects of propolis and caffeic acid phenethyl ester (CAPE) on the radiation-injured brain tissue (Neuroprotective effects of propolis and CAPE)**  
Alkis H. E., Kuzhan A., Dirier A., Tarakcioglu M., Demir E., Saricicek E., Demir T., Ahlatcı A., Demirci A., Cinar K., et al.  
INTERNATIONAL JOURNAL OF RADIATION RESEARCH, vol.13, no.4, pp.297-303, 2015 (SCI-Expanded)
6. **Radiation-modifying abilities of Nigella sativa and Thymoquinone on radiation-induced nitrosative stress in the brain tissue**  
Ahlatcı A., Kuzhan A., Taysi S., Demirtas O. C., Alkis H. E., Tarakcioglu M., Demirci A., Caglayan D., Saricicek E., Cinar K.  
PHYTOMEDICINE, vol.21, no.5, pp.740-744, 2014 (SCI-Expanded)

## Articles Published in Other Journals

- 1. TRPM2 channel contribution to CdCl<sub>2</sub>-related neurotoxicity in SH-SY5Y cells: Protective role of selenium**  
AHLATCI A., ÇINAR R.  
Neuro-Cell Molecular Research, vol.1, no.2, pp.40-46, 2024 (Peer-Reviewed Journal)
- 2. Investigation of the ameliorative effects of gallic acid against neurotoxicity caused by glutamate in C6 cells**  
AHLATCI A.  
Neuro-Cell Molecular Research, vol.1, no.1, pp.7-13, 2024 (Peer-Reviewed Journal)
- 3. Investigation of The Ameliorative Effects of Gallic Acid Against Neurotoxicity Caused by Glutamate in C6 Cells: Effect of gallic acid on Glutamate-Induced neurotoxicity**  
Ahlacı A.  
Neuro-Cell Molecular Research, vol.1, no.1, pp.7-13, 2024 (Peer-Reviewed Journal)
- 4. The Role of TRPM8 Channels in Oxidative Stress: TRPM8 and Oxidative Stress**  
AHLATCI A.  
Neuro-Cell Molecular Research, vol.1, no.1, pp.21-25, 2024 (Peer-Reviewed Journal)
- 5. The protective effect of venlafaxine on hydrogen peroxide-induced cytotoxicity in C6 glioma cells**  
AHLATCI A., YILDIZHAN K., TAŞKIRAN A. Ş.  
ACTA MEDICA ALANYA, vol.8, no.1, pp.77-86, 2024 (Peer-Reviewed Journal)
- 6. The Effect of Nettle Seed Extract on Malondialdehyde, Cupper,Zinc and Superoxide Dismutase Levels in Kidney Tissue of Rats Exposed to Ionising Radiation**  
Ahlacı A., Yıldızhan K., Huyut Z., Huyut M. T., Çakır T.  
Archives of Basic and Clinical Research, vol.2, no.1, pp.1-6, 2020 (Peer-Reviewed Journal)

## Books

- 1. Understanding the Relationship Between Diabetic Neuropathy and TRPV1 Channel: A Systematic Review**  
AHLATCI A., YILDIZHAN K., BAYİR M. H.  
in: PIONEER AND INNOVATIVE STUDIES IN HEALTH SCIENCES, HATİPOĞLU Fatih, Editor, All Sciences Academy, pp.117-128, 2024
- 2. Nörolojik Hastalıklarda TRPM2 Katyon Kanalinın Rolü**  
AHLATCI A.  
in: Sağlık Bilimleri Alanında Uluslararası Araştırmalar-V, Meydan İsmet, Demir Canan, Editor, Özgür Yayın-Dağıtım Co. Ltd, Gaziantep, pp.131-152, 2023
- 3. Role of TRPV1 channel in migraine: Current Overview**  
AHLATCI A.  
in: Current Researches in Health Sciences-IV, Meydan İsmet, Demir Canan, Editor, Özgür Yayın-Dağıtım Co. Ltd, Gaziantep, pp.17-27, 2023

## Papers Presented at Peer-Reviewed Scientific Conferences

- 1. Understanding The Relationship Between Diabetic Neuropathy and TRPV1 Channel: A Systematic Review**  
AHLATCI A., YILDIZHAN K., BAYİR M. H.  
5th International Conference on Scientific and Academic Research, Konya, Turkey, 23 December 2024, vol.1, pp.335, (Summary Text)
- 2. The Protective Effect Of Venlafaxine On Hydrogen Peroxide-Induced Cytotoxicity In C6 Glioma Cells**  
Ahlacı A., Yıldızhan K., Taşkıran A. Ş.  
5. ISPEC International Conference on Contemporary Scientific Research, Kayseri, Turkey, 21 - 22 April 2024, pp.97,

(Summary Text)

3. **Neuroprotective effect of chrysin in PTZ-induced neurotoxicity in SH-SY5Y cells: Role of TRPM2 channel**  
Ahlatcı A., Yıldızhan K., Tülüce Y., Bektaş M.  
8th World Congress of Oxidative Stress, Calcium Signaling and TRP Channels, Isparta, Turkey, 5 - 08 September 2023, vol.15, no.3, pp.43, (Summary Text)
4. **The effect of gallic acid against glutamate-induced cytotoxicity in C6 glioma cells**  
AHLATCI A., YILDIZHAN K.  
10. Hücresel Sinir Bilim Günleri, Kastamonu, Turkey, 28 April 2023, vol.15, pp.23, (Summary Text)
5. **The Protective Effect Of Chrysin Against Glutamate-Induced Oxidative Stress, Inflammation And Apoptosis In C6 Glioma Cells**  
Ahlatcı A., Yıldızhan K.  
VI. International Health Science and Life Congress (IHSLC2023), Burdur, Turkey, 2 - 05 March 2023, pp.474, (Summary Text)
6. **THE ROLE OF TRPV1 CHANNEL IN MIGRAINE: A REVIEW OF LITERATURE**  
Ahlatcı A., Yıldızhan K.  
UNION OF THRACE UNIVERSITIES V. INTERNATIONAL HEALTH SCIENCES CONGRESS 2022, Balıkesir, Turkey, 1 - 02 December 2022, pp.14, (Summary Text)
7. **Investigation of TRPM2 cation channel activation in PTZ-induced SH-SY5Y cells by patch-clamp technique: Regulatory role of valproic acid**  
Ahlatcı A., Bektaş M., Tülüce Y., Yıldızhan K.  
7th International Brain Research School, Isparta, Turkey, 27 June - 03 July 2022, vol.14, no.4, pp.19, (Summary Text)
8. **Inducing Effect of Zaprinst and Avanafil on Levels of Angiogenesis, Bone Morphogenic Protein 2,4 and 7 in Ovariectomized Rats**  
Huyut Z., BAKAN N., YILDIRIM S., AKBAY H. İ., HUYUT M. T., AHLATÇI A., UÇAR B.  
II. Uluslararası Tıp ve Sağlık Bilimleri Araştırmaları Kongresi, Şanlıurfa, Turkey, 1 - 03 November 2019, pp.135-136, (Summary Text)
9. **Overektomilili Sıçanlarda Zaprinst ve Avanafil'in Anjiyogenez, Kemik Morfonejenik Protein 2, 4 ve 7 Düzeyleri Üzerine İndükleyici Etkisi**  
Huyut Z., Bakan N., Yıldırım S., Akbay H. İ., Huyut M. T., Ahlatcı A., Uçar B.  
2. Uluslararası Tıp ve Sağlık Bilimleri Araştırmaları Kongresi, Şanlıurfa, Turkey, 1 - 03 November 2019, pp.8, (Summary Text)
10. **İşınlanmış Sıçanların Böbrek Dokusunda, Isırgan Otu Tohumu Ekstraktı'nın Malondialdehit, Bakır, Süperoksit Dismutaz ve Çinko Düzeyleri Üzerine Etkisi**  
Ahlatcı A., YILDIZHAN K., Huyut Z., HUYUT M. T.  
31. Ulusal Biyofizik Kongresi, Adana, Turkey, 9 - 12 October 2019, pp.34-35, (Summary Text)
11. **İYONİZE RADYASYONA MARUZ KALAN SIÇANLARIN BEYİN DOKUSUNDA ENGİNAR (Cynara scolymus L.) EKSTRAKTI OKSİDAN/ANTIOKSİDAN DENGE ÜZERİNE KORUYUCU ETKİ GÖSTEREBİLİR Mİ?**  
YILDIZHAN K., AHLATCI A., HUYUT Z., HUYUT M. T.  
ULUSLARARASI MÜZİK DANS VE SAĞLIK KONGRESİ 11 - 13 EKİM 2018, Van, Turkey, 10 - 13 October 2018, pp.41-52, (Full Text)
12. **CAN ARTICHOKE EXTRACT SHOW THE PROTECTIVE EFFECT ON OXIDAN/ANTIOXIDAN BALANCE, IN THE BRAIN TISSUE OF IRRADIATED RATS?**  
Ahlatcı A., Huyut Z., HUYUT M. T., YILDIZHAN K.  
Uluslararası Müzik Dans ve Sağlık Kongresi, Van, Turkey, 10 - 13 October 2018, pp.41-52, (Full Text)
13. **İyonize radyasyon uygulanan sıçanların beyin dokusunda nitrozatif stres üzerine Nigella Sativa ve Timokinon'un etkisinin araştırılması**  
Ahlatcı A., Kuzhan A., TAYŞI S., Demirtas Ö., Alkis H., Tarakcioglu M., Demirci A., Saricicek E., çağlayan d., çınar k.  
11. Ulusal Radyasyon Onkoloji Kongresi, Antalya, Turkey, 23 - 27 April 2014, pp.14, (Summary Text)
14. **Radiation-protective properties of Nigella sativa oil and Thymoquinone**

Ahlatcı A., KUZHAN A., TAYSİ S., DEMİRTAŞ Ö. C.

Estro 33, Viyana, Austria, 4 - 08 April 2014, vol.111, no.1, pp.301-302, (Summary Text)

## Academic and Administrative Experience

### Courses

#### Associate Degree

Biyofizik, Associate Degree, 2024 - 2025

### Memberships and Roles in Scientific Organizations

Türk Biyofizik Derneği, Member, 2019 - Continues

### Metrics

Publication: 29

Citation (WoS): 50

Citation (Scopus): 70

H-Index (WoS): 2

H-Index (Scopus): 3

### Research Areas

Medicine, Health Sciences, Fundamental Medical Sciences, Biophysics