

Asst. Prof. SİMGE ÜNAY

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AHB-1271-2022

ScopusID: 57212115669

Yoksis Researcher ID: 373949

Education Information

Doctorate, Aydın Adnan Menderes University, Graduate School Of Educational Sciences, Turkey 2018 - 2022

Postgraduate, Aydın Adnan Menderes University, Graduate School Of Educational Sciences, Turkey 2015 - 2018

Undergraduate, Baskent University, Faculty Of Engineering, Department Of Biomedical Engineering, Turkey 2010 - 2015

Dissertations

Doctorate, Sisplatin ile indüklenmiş in vitro periferik nöropati modelinde kuersetin ve düşük seviyeli lazer tedavisinin etkilerinin incelenmesi, Aydın Adnan Menderes University, Graduate School Of Educational Sciences, 2022

Postgraduate, Kolon ve mide kanserinde 5-aminolevünelik asit aracılı fotodinamik tanı, Aydın Adnan Menderes University, Graduate School Of Educational Sciences, 2018

Research Areas

Health Sciences, Biophysics

Academic Titles / Tasks

Assistant Professor, Lokman Hekim University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2022 - Continues

Academic and Administrative Experience

Mezuniyet Öncesi Eğitim Koordinatörlüğü, Lokman Hekim University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2022 - Continues

Program Değerlendirme Kurulu Üyesi, Lokman Hekim University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2022 - Continues

Öz Değerlendirme ve Akreditasyon Kurulu, Lokman Hekim University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2022 - Continues

Dönem II Koordinatör Yardımcısı, Lokman Hekim University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2022 - Continues

BAP Koordinatörlüğü Birim Sorumlusu, Lokman Hekim University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2022 -

Continues

Tıp fakültesi kış, bahar ve yaz okulları düzenleme komisyon üyesi, Lokman Hekim University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2023 - 2024

Courses

Biyofizik, Undergraduate, 2023 - 2024, 2022 - 2023

Biophysics, Undergraduate, 2023 - 2024, 2022 - 2023

Biophysics, Undergraduate, 2023 - 2024, 2022 - 2023

Biophysics, Undergraduate, 2023 - 2024, 2022 - 2023

Cinemedicine, Undergraduate, 2023 - 2024

Biyofizik, Undergraduate, 2023 - 2024, 2022 - 2023

Mikrogravite ve İnsan, Undergraduate, 2023 - 2024, 2022 - 2023

Artistic Perspective in Medicine, Undergraduate, 2023 - 2024, 2022 - 2023

Biyofizik, Undergraduate, 2023 - 2024, 2022 - 2023

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **N-methyl-D-aspartate receptors and thymoquinone induce apoptosis and alteration in mitochondria in colorectal cancer cells**
Sirinyildiz F., ÜNAY S.
Medical Oncology, vol.41, no.5, 2024 (SCI-Expanded)
- II. **An increase in intercellular crosstalk and electrotonic coupling between cardiomyocytes and nonmyocytes reshapes the electrical conduction in the metabolic heart characterized by short QT intervals in ECGs.**
Billur D., Olgar Y., Durak A., Yozgat A. H., Unay S., Tuncay E., Turan B.
Cell biochemistry and function, 2023 (SCI-Expanded)
- III. **Investigation of effects of quercetin and low-level laser therapy in cisplatin-induced in vitro peripheral neuropathy model**
Unay S., Bilgin M. D.
LASERS IN MEDICAL SCIENCE, vol.38, pp.1-11, 2023 (SCI-Expanded)
- IV. **Mathematical morphology-based imaging of gastrointestinal cancer cell motility and 5-aminolevulinic acid-induced fluorescence**
Ramonaite R., Petrolis R., Unay S., Kiudelis G., Skieceviciene J., Kupcinskas L., Bilgin M. D., Krisciukaitis A.
Biomedizinische Technik, 2019 (SCI-Expanded)

Articles Published in Other Journals

- I. **AMELIORATIVE EFFECTS OF MAGNOLIA BARK EXTRACT CONSUMPTION IN ELDERLY MICE CARDIAC DYSFUNCTION**
UNAY S., Aktay I., TURAN B.
Afyon Kocatepe Üniversitesi Kocatepe Tıp Dergisi, vol.25, no.2, pp.227-234, 2024 (Peer-Reviewed Journal)
- II. **MAGNOLIA BARK EKSTRAKTI UYGULAMASININ YAŞLI FARE KALP FONKSİYON YETERSİZLİĞİNDEKİ İYİLEŞTİRİCİ ETKİLERİ**
ÜNAY S., Aktay İ., TURAN B.
Kocatepe Tıp Dergisi, vol.25, no.2, pp.227-233, 2024 (Peer-Reviewed Journal)
- III. **MORPHOMETRIC AND FLUORESCENCE ANALYSIS OF NERVE GROWTH FACTOR-DIFFERENTIATED PC12 CELLS**

ÜNAY S., ŞİRİNYILDIZ F.

Süleyman Demirel Üniversitesi Tıp Fakültesi Dergisi, vol.30, no.4, 2023 (Peer-Reviewed Journal)

IV. **Tumor Florescence Imaging Method Using 5-ALA in Ht-29 Cells**

ÜNAY S., BİLGİN M. D.

Adnan Menderes Üniversitesi Sağlık Bilimleri Fakültesi Dergisi, vol.7, no.3, pp.640-650, 2023 (Peer-Reviewed Journal)

Books & Book Chapters

I. **Uzayda İnsan: Mikrogravitenin Sinir Sistemi Üzerine Etkileri**

Ünay S., Şirinyıldız F.

in: BİYOFİZİK VE FİZYOLOJİ ALANINDA AKADEMİK ANALİZLER, Birnur AKKAYA, Editor, Yaz Yayınevi, Afyonkarahisar, pp.13-42, 2024

II. **Uzayda İnsan: Mikrogravitenin Hücre Üzerine Etkileri**

Şirinyıldız F., Ünay S.

in: Biyofizik ve Fizyoloji Alanında Akademik Analizler, Birnur AKKAYA, Editor, Yaz Yayınevi, Afyonkarahisar, pp.1-12, 2024

III. **Timokinonun Gastrointestinal Kanseler Üzerine Olumlu Etkileri**

Ünay S., Şirinyıldız F.

in: Sağlık Bilimleri Alanında Uluslararası Araştırmalar, Doç. Dr. Dilek ATİK, Editor, Platanus Publishing, Ankara, pp.740-749, 2023

Refereed Congress / Symposium Publications in Proceedings

I. **Antioksidanların yaşlanmada bilişsel işlevler üzerindeki rolü**

ÜNAY S., ŞİRİNYILDIZ F.

4TH INTERNATIONAL CONFERENCE ON INNOVATIVE ACADEMIC STUDIES (ICIAS 2024), Konya, Turkey, 12 - 13 March 2024

II. **Relationship between HMGB1 and chemotherapy-induced peripheral neuropathy**

ÜNAY S.

1st International Congress on Solutions in Science (INSCORE), İzmir, Turkey, 11 - 13 September 2023

III. **The Potential Effects Of Allum Ursinum On Cancer**

ÜNAY S., ŞİRİNYILDIZ F.

2nd International Eurasian Health Sciences Congress, Trabzon, Turkey, 15 - 16 June 2023

IV. **Molecular network in neurodegenerative diseases**

Ünay S.

XL Congress of the Spanish Society of Physiological Sciences (SECF), Badajoz, Spain, 19 September 2022

V. **A review on the analysis of six diferent experimental anemia models**

Ünay S., Şirinyıldız F.

XL Congress of the Spanish Society of Physiological Sciences (SECF), Badajoz, Spain, 19 - 22 September 2022, pp.46

VI. **Role of quercetin and low-level laser therapy in chemotherapyinduced peripheral neuropathy**

Ünay S., Bilgin M. D.

XL Congress of the Spanish Society of Physiological Sciences (SECF), Badajoz, Spain, 19 - 22 September 2022, pp.48

VII. **5- Aminolevulinic Acid-Mediated Photodynamic Diagnosis In Colon Cancer**

ÜNAY S., BİLGİN M. D.

The 5th Photodynamic Day In the framework of the International Day of Light 2021, 18 May 2021

VIII. **Mide ve Kolon Kanser Hücre Dizinlerinde 5-Aminolevulinik Asit ile Uyarılmış Fotodinamik Tanı**

ÜNAY S., BİLGİN M. D., Krisciukaitis A., Ramonaitea R., Petrolis R.

28.-29. Ulusal Biyofizik Kongresi, İstanbul, Turkey, 06 September 2018

IX. 5-Aminolevulinic Acid-Mediated Fluorescence In Colon Cancer Cell Line

ÜNAY S., BİLGİN M. D., Krisciukaitis A., Ramonaitea R., Petrolis R.

Virtual Instruments in Biomedicine, Lithuania, 19 May 2017

Supported Projects

Ünay S., Turan B., Tuncay E., TUBITAK Project, Fizyolojik Yaşlanmaya Veya Kemoterapi Tedavisine Bağlı Gelişen Periferik Nöropatilerin Moleküler Mekanizmasının Nöronal Hücrelerde İncelenmesi, 2023 - 2024

Ünay S., Bilgin M. D., TUBITAK Project, Sisplatin ile İndüklenmiş in Vitro Periferik Nöropatide Kuersetin ve Düşük Seviyeli Lazer Tedavisinin Etkilerinin İncelenmesi, 2021 - 2022

Ünay S., Bilgin M. D., Project Supported by Higher Education Institutions, Kolon ve Mide Kanserinde 5-Aminolevünelik Asit ile Aracılı Foto Dinamik Tanı, 2017 - 2018

Memberships / Tasks in Scientific Organizations

Türk Biyofizik Derneği, Member, 2022 - Continues, Turkey

Scientific Refereeing

Adnan Menderes Üniversitesi Sağlık Bilimleri Fakültesi Dergisi , National Scientific Refreed Journal, April 2024

Kocatepe Tıp Dergisi, National Scientific Refreed Journal, January 2024

Adnan Menderes Üniversitesi Sağlık Bilimleri Fakültesi Dergisi, National Scientific Refreed Journal, December 2023

Medical records-international medical journal (Online), National Scientific Refreed Journal, December 2023

Medical records-international medical journal (Online), National Scientific Refreed Journal, November 2023

DUZCE MEDICAL JOURNAL = DÜZCE TIP FAKÜLTESİ DERGISI, National Scientific Refreed Journal, July 2023

Journal of Experimental and Clinical Medicine (JECM), National Scientific Refreed Journal, June 2023

Black Sea Journal of Health Science, National Scientific Refreed Journal, February 2023

JOURNAL OF CONTEMPORARY MEDICINE, National Scientific Refreed Journal, February 2023

Journal of Medical Innovation and Technology, National Scientific Refreed Journal, February 2023

Scientific Consultations

Türkiye Sağlık Enstitüleri Başkanlığı (TÜSEB), Project Consultancy, Lokman Hekim University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, Turkey, 2023 - 2023

Tasks In Event Organizations

Ünay S., Şirinyıldız F., 1st International Congress on Solutions in Science (INSCORE), Scientific Congress, Turkey, Eylül 2023

Metrics

Publication: 20

Citation (Scopus): 2

H-Index (Scopus): 1

Congress and Symposium Activities

4TH INTERNATIONAL CONFERENCE ON INNOVATIVE ACADEMIC STUDIES (ICIAS 2024), Attendee, Konya, Turkey, 2024
1st International Congress on Solutions in Science (INSCORE), Session Moderator, İzmir, Turkey, 2023
1st International Congress on Solutions in Science (INSCORE), Attendee, İzmir, Turkey, 2023
2nd International Eurasian Health Sciences Congress (IEHSC 2023), Attendee, Trabzon, Turkey, 2023
XL Congress of the Spanish Society of Physiological Sciences (SECF), Attendee, Badajoz, Spain, 2022
The 5th Photodynamic Day In the framework of the International Day of Light 2021, Attendee, İstanbul, Turkey, 2021
28.-29. Ulusal Biyofizik Kongresi, Attendee, İstanbul, Turkey, 2017
Virtual Instruments in Biomedicine, Attendee, Klaipeda, Lithuania, 2017

Scholarships

2224-A Yurt Dışı Bilimsel Etkinliklere Katılımı Destekleme Programı, TÜBİTAK, 2022 - 2022
Yök 100/2000 doktora bursu, YÖK, 2018 - 2022