

Asst. Prof. GÖKSUN DEMİREL

Personal Information

Office Phone: [+90 322 338 7334](tel:+903223387334)

Fax Phone: [+90 322 338 7336](tel:+903223387336)

Email: gdemirel@cu.edu.tr

Web: <https://avesis.cu.edu.tr/gdemirel>

Address: demirelgoksun3@gmail.com

International Researcher IDs

ORCID: 0000-0003-1928-3699

Yoksis Researcher ID: 202535

Education Information

Doctorate, Marmara University, Faculty Of Pharmacy, Professional Pharmaceutical Sciences, Turkey 2014 - 2018

Postgraduate, Istanbul University, Faculty Of Pharmacy , Farmasötik Toksikoloji, Turkey 2009 - 2012

Undergraduate, Istanbul University, Faculty Of Science, Biyoloji, Turkey 2004 - 2008

Research Areas

Pharmaceutical Toxicology, Molecular Biology and Genetics

Academic Titles / Tasks

Assistant Professor, Cukurova University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri, 2019 - Continues

Assistant Professor, Biruni University, Faculty Of Pharmacy, Department Of Professional Pharmaceutical Sciences, 2018 - 2019

Research Assistant, Biruni University, Faculty Of Pharmacy, Department Of Professional Pharmaceutical Sciences, 2014 - 2018

Academic and Administrative Experience

Cukurova University, 2019 - Continues

Head of Department, Biruni University, Faculty Of Pharmacy, Department Of Professional Pharmaceutical Sciences, 2018 - 2019

Courses

Farmasötik Toksikoloji , Undergraduate, 2020 - 2021

Farmasötik Toksikoloji Laboratuvarı, Undergraduate, 2018 - 2019

Advising Theses

Demirel G., Değişen kahvaltı kültürü ve günümüzde kafein kullanımının araştırılması, Postgraduate, D.ÖZTÜRK(Student), 2020

DEMİREL G., Normospermik Vakalarda Siprofloksasinin in vitro Sperm DNA Fragmentasyonu ve Sperm Mitokondriyal Aktivitesi Üzerine Etkisinin Araştırılması?, Postgraduate, E.Solak(Student), 2020

Jury Memberships

Post Graduate, Yüksek Lisans Tez Savunma, Biruni Üniversitesi, October, 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Unraveling the neuroprotective mechanisms of naltrexone against aluminum-induced neurotoxicity**
Sanajou S., Yirün A., Arca Çakır D., DEMİREL G., Şahin G., Erkekoğlu P., BAYDAR T.
Drug and Chemical Toxicology, 2024 (SCI-Expanded)
- II. **Evaluation of possible neuroprotective effects of virgin coconut oil on aluminum-induced neurotoxicity in an in vitro Alzheimer's disease model.**
Demirel G., Sanajou S., Yirün A., Çakır D. A., Berkkan A., Baydar T., Erkekoğlu P.
Journal of applied toxicology : JAT, 2023 (SCI-Expanded)
- III. **Evaluation of microRNA let-7b-3p expression levels in methamphetamine abuse.**
Demirel G., Tanoglu E. G., Aslıyukse H.
Revista da Associacao Medica Brasileira (1992), vol.69, no.4, 2023 (SCI-Expanded)
- IV. **Quinazolinone-based benzenesulfonamides with low toxicity and high affinity as monoamine oxidase-A inhibitors: Synthesis, biological evaluation and induced-fit docking studies**
Yamali C., Gul H. I., Tugrak Sakarya M., Nurlpelin Saglik B., Ece A., Demirel G., Nenni M., Levent S., Cihat Oner A.
BIOORGANIC CHEMISTRY, vol.124, 2022 (SCI-Expanded)
- V. **MDMA Abuse in Relation to MicroRNA Variation in Human Brain Ventral Tegmental Area and Nucleus Accumbens.**
Demirel G., Guzel E., Creighton C. J., Ozturk Y. E., Kucuk C., Aslıyukse H., Yurdun T.
Iranian journal of pharmaceutical research : IJPR, vol.18, no.4, pp.1989-1999, 2019 (SCI-Expanded)
- VI. **Detection of metabolites of the new synthetic cannabinoid CUMYL-4CN-BINACA in authentic urine samples and human liver microsomes using high-resolution mass spectrometry**
ÖZTÜRK Y. E., YETER O., ÖZTÜRK S., Karakus G., ATEŞ I., BUYUK Y., Yurdun T.
DRUG TESTING AND ANALYSIS, vol.10, no.3, pp.449-459, 2018 (SCI-Expanded)
- VII. **A Meta-Analysis: Identification of Common Mir-145 Target Genes that have Similar Behavior in Different GEO Datasets**
Pashaei E., Guzel E., Ozgurses M. E., Demirel G., AYDIN N., Ozen M.
PLOS ONE, vol.11, no.9, 2016 (SCI-Expanded)
- VIII. **Assessment of global and gene-specific DNA methylation in rat liver and kidney in response to non-genotoxic carcinogen exposure**
ÖZDEN S., TURGUT KARA N., SEZERMAN O. U., Durasi I. M., Chen T., Demirel G., ALPERTUNGA B., Chipman J. K., Mally A.
TOXICOLOGY AND APPLIED PHARMACOLOGY, vol.289, no.2, pp.203-212, 2015 (SCI-Expanded)
- IX. **Role of fumonisin B1 on DNA methylation changes in rat kidney and liver cells**
Demirel G., ALPERTUNGA B., ÖZDEN S.
PHARMACEUTICAL BIOLOGY, vol.53, no.9, pp.1302-1310, 2015 (SCI-Expanded)

Articles Published in Other Journals

- I. **ASSESSMENT OF AWARENESS AND BEHAVIORAL HABITS TO REDUCE DIETARY EXPOSURE TO MYCOTOXINS**
Demirel G., Doğan N. n.
Ankara Üniversitesi Eczacılık Fakültesi Dergisi, vol.47, no.3, pp.994-1002, 2023 (Scopus)
- II. **Evaluation of alcohol, substance and antidepressant drug use of university students during the COVID-19 pandemic**
Bulgan C., DEMİREL G.
Anatolian Current Medical Journal, vol.5, 2023 (Peer-Reviewed Journal)
- III. **Impact of a Coronavirus Pandemic on Smoking Behavior in University Students: An Online Survey in Türkiye**
ÇELİK F., DEMİREL G.
TURKISH JOURNAL OF PHARMACEUTICAL SCIENCES, vol.19, no.4, pp.416-421, 2022 (ESCI)
- IV. **Sporcularda Kullanımı Yasak Olan Doping Etkili Maddeler**
Demirel G., Doğanay D.
Literatür Eczacılık Bilimleri Dergisi, vol.9, no.2, pp.158-170, 2020 (Peer-Reviewed Journal)
- V. **Alkol ve sigara kullanımının infertil erkeklerde semen parametreleri üzerine etkisinin araştırılması**
Demirel G., İrez T.
Androloji Bülteni, vol.22, no.3, pp.149-153, 2020 (Peer-Reviewed Journal)
- VI. **ACİL SERVİSE BAŞVURAN ZEHİRLENME OLGULARININ RETROSPEKTİF DEĞERLENDİRİLMESİ**
Demirel G., Karapıçak A., Karapıçak Z.
Eskişehir Teknik Üniversitesi Bilim ve Teknoloji Dergisi - C Yaşam Bilimleri Ve Biyoteknoloji, vol.9, no.2, pp.265-272, 2020 (Peer-Reviewed Journal)
- VII. **Addiction-related gene GDNF and interaction network**
Demirel G.
MOJ Toxicology, vol.12, no.1, pp.12-13, 2020 (Peer-Reviewed Journal)
- VIII. **Evaluation of Body-Mass Index Value of Alcohol User and Smoker Infertile Men**
DEMİREL G., Çelik Y., İREZ T.
International Journal of Basic and Clinical Studies (IJBCS), vol.7, no.2, pp.61-65, 2018 (Peer-Reviewed Journal)
- IX. **Interaction Networks Of GRM4 and Addiction-Related Genes**
DEMİREL G.
International Journal of Basic and Clinical Studies (IJBCS), vol.7, no.2, pp.66-70, 2018 (Peer-Reviewed Journal)
- X. **Target Genes Identification Based on MicroRNA Expression Analysis of MDMA Addiction in Postmortem Individuals**
DEMİREL G., GÜZEL E.
International Journal of Basic and Clinical Studies, 2017 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **The Effects Of Parental Toxic Exposure To Brain Development**
Demirel G.
in: Horizons in Neuroscience Research, Andres Costa, Eugenio Villalba, Editor, NOVA Publications , New York, pp.1-19, 2020
- II. **Mesleki ve Tıbbi Terminoloji**
ÖNER S., AKÇE B., AKDAĞ G., AKSOYER S. B., AVŞAR İ. S., AYKİN Ç., ÇELİK G., ÇIRACI E., DEMİRCİ DELİPINAR S., DEMİREL G., et al.
Ankara Nobel Tıp Kitapevleri, Ankara, 2019

Refereed Congress / Symposium Publications in Proceedings

- I. **Monoamine oxidase inhibition and toxicity evaluation of phenylurea-bearing hydrazones**
YAMALI C., DEMİREL G.
6th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2023) October 11-13, 2023., Ankara, Turkey, 11 - 13 October 2023
- II. **A PRELIMINARY STUDY OF CHOLINESTERASE INHIBITION AND CYTOTOXICITY EVALUATION OF INDOLEBASED CHALCONE DERIVATIVE**
YAMALI C., DEMİREL G.
International Multidisciplinary Symposium on Drug Research and Development DRD 2023, İzmir, Turkey, 4 - 06 May 2023
- III. **Investigation of the Protective Effect of Walnut Oil in an in vitro Alzheimer's Disease Model**
DEMİREL G., BAYDAR T., YİRÜN A., BALCI ÖZYURT A., ERKEKOĞLU Ü. P., SANAJOU S., Çakır D. A.
11 th International Congress of the Turkish Society of Toxicology, 02 November 2022
- IV. **POSSIBLE EFFECTS OF HEXAHYDROQUINOLINE DERIVATIVES ON CYTOTOXICITY AND INTRACELLULAR ROS PRODUCTION IN HEPG2 CELL LINE**
DEMİREL G., YİRÜN A., ÇETİN G., BALCI ÖZYURT A., ŞİMŞEK R., BAYDAR T., ERKEKOĞLU Ü. P.
11 th International Congress of the Turkish Society of Toxicology, 2 - 05 November 2022
- V. **Therapeutic Candidate in the Treatment of Methamphetamine Addiction: microRNA-Let7b3p**
Demirel G.
8th Drug Chemistry Conference, Antalya, Turkey, 12 March - 20 September 2020, pp.123
- VI. **Akut Zehirlenme Vakalarında Mesleki Maruziyetlerin Değerlendirilmesi**
DEMİREL G., Karapıçak A.
3. Uluslararası Mesleki ve Çevresel Hastalıklar Kongresi, Antalya, Turkey, 3 - 07 March 2019, pp.261-263
- VII. **Kimyasal Madde Maruziyeti Sonucu Oluşan Güncel İş Kazaları**
DEMİREL G.
3. Uluslararası Mesleki ve Çevresel Hastalıklar Kongresi, Antalya, Turkey, 3 - 07 March 2019, pp.185-189
- VIII. **Sentetik kannabinoid CUMYL-CYBINACA'nın in vitro ve in vivo metabolizmasının belirlenmesi**
Ozturk Y. E., YETER O., Ozturk S., DEMİREL G., Ateş I., Buyuk Y., Yurdun T.
16. Adli Tıp Günleri, Antalya, Turkey, 24 - 28 October 2018
- IX. **Blood cyanide determination in fatal CUMYL-4CN-BINACA intoxication cases by headspace GC-MS**
Erol Ö. Y., YETER O., Ateş I., Yavuz G. E., Aydın E., Yardımcıoğlu P., Çığman F. B., DEMİREL G., Yurdun T.
The 56th Annual Meeting of the International Association of Forensic Toxicologists, 26 - 30 August 2018
- X. **?Let-7b-3p in abuse of 3,4 methylenedioxymethamphetamine**
DEMİREL G., Güzel E., Öztürk Y., Yurdun T.
The International Association of Forensic Toxicologists, Ghent, Belgium, 26 - 30 August 2018, pp.192-193
- XI. **DNA methylation profile of various cancer-related genes in rat cell**
ÖZDEN S., Demirel G., ALPERTUNGA B.
48th Congress of the European-Societies-of-Toxicology (EUROTOX), Stockholm, Sweden, 17 - 20 June 2012, vol.211

Supported Projects

Demirel G., Baydar T., Erkekoğlu Ü. P., TUBITAK Project, İnsan Nöroblastoma Hücrelerinde (SH-SY5Y) Retinoik Asit İle Birlikte Beyin-Derive Nörotrofik Faktör (BDNF) ve/veya Alüminyum ile İndüklenen Alzheimer Modelinde Hindistan Cevizi Yağının Olası Koruyucu Etkisinin İncelenmesi, 2021 - 2021

Demirel G., Çıracı E., Project Supported by Higher Education Institutions, Sigara İçiminin Sperm DNA Metilasyonu ve Catsper Gen Ekspresyonu Üzerine Etkisi, 2020 - 2021

Özden S., TUBITAK Project, Non Genotoksik Karsinogenlerin Erken Tanınmasında DNA Metilasyonundaki Değişikliklerin Rolü, 2009 - 2012

Metrics

Publication: 32

Citation (WoS): 83

Citation (Scopus): 99

H-Index (WoS): 4

H-Index (Scopus): 5