

## **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](mailto: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 Fragmantasyonu 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. **Evaluation of Exposure to Bisphenol A, Bisphenol F, and Phthalates in Patients with Phenylketonuria and Its Differences According to Dietary Status.**  
Erdal İ., Yıldız Y., Yalçın S. S., Yirün A., Demirel G., Erkekoğlu P.  
Nutrients, vol.16, no.18, 2024 (SCI-Expanded)
- II. **Walnut oil: a promising nutraceutical in reducing oxidative stress and improving cholinergic activity in an in vitro Alzheimer's disease model**  
DEMİREL G., Sanajou S., YİRÜN A., ÇAKIR D. A., Özyurt A. B., BERKCAN A., BAYDAR T., ERKEKOĞLU Ü. P.  
Toxicology Research, vol.13, no.4, 2024 (SCI-Expanded)
- III. **Evaluation of Exposure to Bisphenol Analogs through Canned and Ready-to-Eat Meal Consumption and Their Possible Effects on Blood Pressure and Heart Rate**  
Ekici M., ÇAKIR BİÇER N., YİRÜN A., DEMİREL G., ERKEKOĞLU Ü. P.  
Nutrients, vol.16, no.14, 2024 (SCI-Expanded)
- IV. **The ameliorative potential of metformin against aluminum-induced neurotoxicity: Insights from in vitro studies**  
Sanajou S., YİRÜN A., DEMİREL G., ERKEKOĞLU Ü. P., Şahin G., BAYDAR T.  
Journal of Applied Toxicology, 2024 (SCI-Expanded)
- V. **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)
- VI. **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., Çakir D. A., Berkkan A., Baydar T., Erkekoğlu P.  
Journal of applied toxicology : JAT, 2023 (SCI-Expanded)
- VII. **Evaluation of microRNA let-7b-3p expression levels in methamphetamine abuse.**  
Demirel G., Tanoglu E. G., Asliyukse H.  
Revista da Associacao Medica Brasileira (1992), vol.69, no.4, 2023 (SCI-Expanded)
- VIII. **<p>Quinazolinone-based benzenesulfonamides with low toxicity and high affinity as monoamine oxidase-A inhibitors: Synthesis, biological evaluation and induced-fit docking studies</p>**  
Yamali C., Gul H. I., Tugrak Sakarya M., Nurpelin Saglik B., Ece A., Demirel G., Nenni M., Levent S., Cihat Oner A.  
BIOORGANIC CHEMISTRY, vol.124, 2022 (SCI-Expanded)
- IX. **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., Asliyukse H., Yurdun T.  
Iranian journal of pharmaceutical research : IJPR, vol.18, no.4, pp.1989-1999, 2019 (SCI-Expanded)
- X. **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., ATES I., BUYUK Y., Yurdun T.  
DRUG TESTING AND ANALYSIS, vol.10, no.3, pp.449-459, 2018 (SCI-Expanded)

- XI. **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)
- XII. **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)
- XIII. **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. **Simultaneous determination of four ethanol biomarkers in blood: a validated method for use in forensic toxicology in 257 postmortem samples**  
DEMİREL G., EROL ÖZTÜRK Y.  
CUKUROVA MEDICAL JOURNAL, vol.49, no.3, pp.687-695, 2024 (ESCI)
- II. **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)
- III. **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)
- IV. **The Ecotoxicological Risk Assessment of Endocrine Disrupting Chemicals: A Traditional Review**  
POLAT R., DEMİREL G., ERKEKOĞLU Ü. P.  
Literatür Eczacılık Bilimleri Dergisi, vol.12, no.3, pp.242-253, 2023 (Peer-Reviewed Journal)
- V. **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)
- VI. **ACİL SERVİSE BAŞVURAN ZEHİRLENME OLGULARININ RETROSPEKTİF DEĞERLENDİRİLMESİ**  
DEMİREL G., KARAPIÇAK A., Karapıçak Z.  
Eskişehir Teknik Üniversitesi Bilim ve Teknoloji Dergisi C- yaşam Bilimleri ve Biyoteknoloji (Online), vol.9, no.2, pp.265-272, 2020 (Peer-Reviewed Journal)
- VII. **Agent with Doping Effects That are Prohibited for the Use of Athletes**  
DEMİREL G., DOĞANAY D.  
Literatür Eczacılık Bilimleri Dergisi, vol.9, no.2, pp.158-170, 2020 (Peer-Reviewed Journal)
- VIII. **Alkol ve sigara kullanımının infertil erkeklerde semen parametreleri üzerine etkisinin araştırılması**  
DEMİREL G., İREZ T.  
Androloji Bülteni, vol.22, no.5, pp.149-153, 2020 (Peer-Reviewed Journal)
- IX. **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)
- X. **Target Genes Identification Based on MicroRNA Expression Analysis of MDMA Addiction in Postmortem Individuals**  
DEMİREL G., GÜZEL E.

## Books & Book Chapters

- I. **Laboratuvar Güvenliđi**  
DEMİREL G., MERCANOĐLU H. G.  
in: Teoriden Uygulamaya Temel Laboratuvar Uygulamaları, Ahbab Müfide Aydođan, Mercanođlu Olguner Güldem, Türkođlu Alper, Editor, İstanbul Tıp Kitapevi, İstanbul, pp.232-270, 2023
- II. **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
- III. **Mesleki ve Tıbbi Terminoloji**  
ÖNER S., AKÇE B., AKDAĐ G., AKSOYER S. B., AVŞAR İ. S., AYKİN Ç., ÇELİK G., ÇIRACI E., DEMİRCİ DELİPİNAR 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. **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., ERKEKOĐLU Ü. P.  
11 th InternationalCongress oftheTurkish Society of Toxicology, 2 - 05 November 2022
- IV. **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., ERKEKOĐLU Ü. P., SANAJOU S., Çakır D. A.  
11 th InternationalCongress oftheTurkish Society of Toxicology, 02 November 2022
- V. **Akut Zehirlenme Vakalarında Mesleki Maruziyetlerin Deđerlendirilmesi**  
DEMİREL G., Karapıçak A.  
3. Uluslararası Mesleksi ve Çevresel Hastalıklar Kongresi, Antalya, Turkey, 3 - 07 March 2019, pp.261-263
- VI. **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
- VII. **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., Yardımcıođlu P., Çıđman F. B., DEMİREL G., Yurdun T.  
The 56th Annual Meeting of theInternational Association of Forensic Toxicologists, 26 - 30 August 2018
- VIII. **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., Sabuncuođlu S., Erkekođlu Ő. P., EU Supported Other Project, Nōrodejenerasyon Őzerine Diyet MŐdahalesinin MolekŐler Mekanizmaları (Nōrodiyete), 2023 - 2026

DEMİREL G., YirŐn A., Project Supported by Higher Education Institutions, ŐŐ Eczacılık FakŐltesi HŐcre KŐltŐrŐ Laboratuvarı, 2022 - 2024

DEMİREL G., YirŐn A., ERKEKOĐLU Ő. P., BAYDAR T., BALCI ŐZYURT A., Project Supported by Higher Education Institutions, İn Vitro Alzheimer Hastalıđı Modelinde AlŐminyum Maruziyetinin Toksisitesine Karşı Ceviz Yađının Olası Koruyucu Etkisinin İncelenmesi, 2021 - 2023

Demirel G., Baydar T., Erkekođlu Ő. P., TUBITAK Project, İnsan Nōroblastoma HŐcrelerinde (SH-SY5Y) Retinoik Asit İle Birlikte Beyin-Derive Nōrotrofik FaktŐr (BDNF) ve/veya AlŐminyum ile İndŐklenen Alzheimer Modelinde Hindistan Cevizi Yađının Olası Koruyucu Etkisinin İncelenmesi, 2021 - 2021

Őzden S., TUBITAK Project, Non Genotoksik Karsinogenin Erken Tanınmasında DNA Metilasyonundaki Deđişikliklerin RolŐ, 2009 - 2012

## Metrics

Publication: 37

Citation (WoS): 133

Citation (Scopus): 180

H-Index (WoS): 6

H-Index (Scopus): 6