

## Res. Asst. PhD Emine TORAMAN

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Ataturk University, Fen Bilimleri Enstitüsü, Moleküler Biyoloji Ve Genetik Anabilim Dalı, Turkey 2017 - 2023

### Certificates, Courses and Trainings

Vocational Training, Eğitsel Video Materyal Geliştirme ve Eğitimde Kullanımı Eğitimi, Atatürk Üniversitesi, 2024

Vocational Training, Tübitak projelerinde (1001-1002) başarımın şifreleri, Atatürk Üniversitesi, 2024

Other, 2. DOĞU ANADOLU BÖLGE TOPLANTISI VE TRANSPLANTASYONDA GÜNCELLEME SEMPOZYUMU, Atatürk University Clinical Research Development and Design Application and Research Center, 2021

Personal Evolution, Kadına yönelik şiddetle mücadele sempozyumu, Atatürk Üniversitesi, 2021

### Dissertations

Doctorate, Gümüşdüğme (*Tanacetum parthenium*) bitkisinin aktif bileşeni olan partenolid'in sıçanlarda paklitaksel ile oluşturulan nöropatik ağrı üzerine tedavi edici etkisinin gen ve protein seviyelerinde araştırılması, Ataturk University, Fen Fakültesi, Moleküler Biyoloji Ve Genetik, 2023

### Research Areas

Life Sciences, Molecular Biology and Genetics, Molecular Biology of Cancer, Natural Sciences

### Academic Titles / Tasks

Assistant Professor, Ataturk University, Fen Fakültesi, Moleküler Biyoloji Ve Genetik, 2023 - Continues

### Courses

Moleküler Biyoloji ve Genetik, Undergraduate, 2023 - 2024

Moleküler Biyolojinin Tarihi, Undergraduate, 2023 - 2024

Protein Mühendisliği, Undergraduate, 2023 - 2024

Moleküler Biyolojide Kullanılan Yöntemler II Laboratuvarı, Undergraduate, 2023 - 2024

Moleküler biyokimya laboratuvarı, Undergraduate, 2022 - 2023

Yaşam bilimleri laboratuvarı II, Undergraduate, 2022 - 2023  
Moleküler biyolojide kullanılan yöntemler laboratuvarı II, Undergraduate, 2022 - 2023  
Nutrigenomik, Undergraduate, 2022 - 2023  
Yaşam bilimleri laboratuvarı I, Undergraduate, 2022 - 2023  
Moleküler biyolojide kullanılan yöntemler laboratuvarı I, Undergraduate, 2022 - 2023  
Biyoteknoloji laboratuvarı, Undergraduate, 2020 - 2021

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

- I. **Biochemical and molecular evaluation of oxidative stress and mitochondrial damage in fruit fly exposed to carmoisine**  
TORAMAN E.  
Molecular biology reports, vol.51, no.1, pp.685, 2024 (SCI-Expanded)
- II. **Role of parthenolide in paclitaxel-induced oxidative stress injury and impaired reproductive function in rat testicular tissue**  
Toraman E., Budak B., Bayram C., Sezen S., Mokhtare B., Hacimueftueoglu A.  
CHEMICO-BIOLOGICAL INTERACTIONS, vol.387, pp.110793-0, 2024 (SCI-Expanded)
- III. **Parthenolide as a potential analgesic in the treatment of paclitaxel-induced neuropathic pain: the rat modeling**  
TORAMAN E., BAYRAM C., Sezen S., ÖZKARACA M., HACİMÜFTÜOĞLU A., BUDAK H.  
NAUNYN-SCHMIEDEBERGS ARCHIVES OF PHARMACOLOGY, vol.396, no.12, pp.3707-3721, 2023 (SCI-Expanded)
- IV. **Evaluated periodontal tissues and oxidative stress in rats with neuropathic pain-like behavior**  
Toraman A., Toraman E., Özkaraca M., Budak H.  
MOLECULAR BIOLOGY REPORTS, vol.50, no.11, pp.9315-9322, 2023 (SCI-Expanded)
- V. **Quantitative investigation of the bacterial content of periodontal abscess samples by real-time PCR**  
Ergün E., Toraman E., Barış Ö., Budak H., Demir T.  
JOURNAL OF MICROBIOLOGICAL METHODS, vol.213, 2023 (SCI-Expanded)
- VI. **Global warming and nanoplastic toxicity; small temperature increases can make gill and liver toxicity more dramatic, which affects fillet quality caused by polystyrene nanoplastics in the adult zebrafish model**  
ŞENOL O., Sulukan E., BARAN A., BOLAT İ., TORAMAN E., ALAK G., YILDIRIM S., Bilgin G., CEYHUN S. B.  
SCIENCE OF THE TOTAL ENVIRONMENT, vol.892, 2023 (SCI-Expanded)
- VII. **The anxiolytic and circadian regulatory effect of agarwood water extract and its effects on the next generation; zebrafish modelling**  
Kankaynar M., Ceyhun H. A., Baran A., Sulukan E., Yıldırım S., Bolat İ., Toraman E., Nadaroğlu H., Arslan M., Ceyhun S. B.  
COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY C-TOXICOLOGY & PHARMACOLOGY, vol.269, 2023 (SCI-Expanded)
- VIII. **Global warming and glyphosate toxicity (I): Adult zebrafish modelling with behavioural, immunohistochemical and metabolomic approaches**  
Sulukan E., Baran A., Şenol O., Kankaynar M., Yıldırım S., Bolat İ., Ceyhun H. A., Toraman E., Ceyhun S. B.  
SCIENCE OF THE TOTAL ENVIRONMENT, vol.858, 2023 (SCI-Expanded)
- IX. **Fluoride exposure causes behavioral, molecular and physiological changes in adult zebrafish (<i>Danio rerio</i>) and their offspring**  
Karaman M., Toraman E., Sulukan E., Baran A., Bolat İ., Yıldırım S., Kankaynar M., Ghosigharehagaji A., Budak H., Ceyhun S. B.  
ENVIRONMENTAL TOXICOLOGY AND PHARMACOLOGY, vol.97, 2023 (SCI-Expanded)
- X. **Tip60/Kat5 may be a novel candidate histone acetyltransferase for the regulation of liver iron localization via acetylation**  
Baltacı N., TORAMAN E., Akyuz M., Kalın S. N., BUDAK H.

BIOMETALS, vol.35, no.6, pp.1187-1197, 2022 (SCI-Expanded)

- XI. **Increased nociceptive sensitivity is associated with periodontal inflammation and expression of chronic pain genes in gingival tissues of male rats.**  
Toraman A., Toraman E., Özkaraca M., Budak H.  
Chemico-biological interactions, vol.366, pp.110128, 2022 (SCI-Expanded)
- XII. **The synergic toxicity of temperature increases and nanopolystyrene on zebrafish brain implies that global warming may worsen the current risk based on plastic debris**  
Sulukan E., Baran A., Şenol O., Yildirim S., Mavi A., Ceyhun H. A., Toraman E., Ceyhun S. B.  
SCIENCE OF THE TOTAL ENVIRONMENT, vol.808, 2022 (SCI-Expanded)
- XIII. **Cypermethrin, chlorpyrifos, deltamethrin, and imidacloprid exposure up-regulates the mRNA and protein levels of bdnf and c-fos in the brain of adult zebrafish (Danio rerio)**  
Özdemir S., ALTUN S., ÖZKARACA M., GHOSI A., TORAMAN E., ARSLAN H.  
CHEMOSPHERE, vol.203, pp.318-326, 2018 (SCI-Expanded)

## Refereed Congress / Symposium Publications in Proceedings

- I. **ALTERATIONS OF ANTIOXIDANT SYSTEM COMPONENTS IN DROSOPHILALARVAE EXPOSED TO ZINC AND BIOTIN**  
Karaman M., Toraman E.  
KARADENİZ 15th INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, Rize, Turkey, 8 - 10 March 2024
- II. **EFFECTS OF VITAMIN B12 ON ANTIOXIDANT SYSTEM IN DROSOPHILAMELANOGASTER EXPOSED TO ZINC**  
Toraman E., Karaman M.  
AKDENİZ 11th INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, Mersin, Turkey, 23 - 25 February 2024
- III. **Alterations in sodium butyrate induced cytotoxicity of MCF7 breast cancer cells treated with rosmarinic acid**  
GHOSIGHAREHAGHAJI A., TORAMAN E., AYSİN F., ŞİMŞEK ÖZEK N., ERDOĞAN O.  
7th International Molecular Biology and Biotechnology Congress., 25 - 27 April 2018
- IV. **FUNCTIONAL ANALYSIS OF HUMAN BAX GEN PROMOTER REGION**  
TORAMAN E., GHOSIGHAREHAGHAJI A., ERDOĞAN O.  
ULUSLARARASI BİYOKİMYAKONGRESİ 2017, 19 - 23 September 2017
- V. **INVESTIGATION OF THE EFFECT OF HUMAN BAXGENE PROMOTER DELETIONS ON GENE EXPRESSION**  
Ghosigharehaghaji A., Toraman E., Erdoğan O.  
ULUSLARARASI BİYOKİMYAKONGRESİ 2017, Erzurum, Turkey, 19 - 23 September 2017
- VI. **COMPARATIVE EVALUATION OF THE INHIBITORY EFFECT OF SOME ESSENTIAL OILS ON ACETYLCHOLINESTERASE ACTIVITY IN HUMAN LUNG CARCINOMA (A549) CELLS**  
TORAMAN E., DENİR Y., CEYLAN H., ERDOĞAN O.  
I. INTERNATIONAL CONGRESS ON MEDICINAL AND AROMATIC PLANTS, Konya, Turkey, 10 - 12 May 2017, pp.1764

## Supported Projects

ADIGÜZEL A., ERDOĞAN O., ÜNVER Y., CEYLAN H., YILDIZ M., KARADAYI G., ANAKÖK Ö. F., YILMAZ A., BALTACI M. Ö., AKBULUT S., et al., Project Supported by Higher Education Institutions, Moleküler Biyoloji ve Genetik Bölümünün Laboratuvar İmkanlarının ve Akademik Araştırma Potansiyelinin Geliştirilmesi, 2020 - 2022

KARAMAN M., BUDAK H., CEYHUN S. B., TORAMAN E., Project Supported by Higher Education Institutions, Kronik Florür Uygulanmasının Anksiyete Benzeri Davranış ve Sirkadiyen Saat Üzerine Etkisinin Zebra Balıklarında Araştırılması, 2020 - 2022

ADIGÜZEL A., TUYSUZ E., BALTACI M. Ö., CEYLAN H., ÜNVER Y., ERDOĞAN O., AKBULUT S., ANAKÖK Ö. F., BUDAK H., YILDIZ M., et al., Project Supported by Higher Education Institutions, Moleküler Biyoloji ve Genetik Bölümü Araştırma

Destek Projesi, 2018 - 2019

ERDOĞAN O., GHOSIGHAREHAGHAJI A., AŞKIN H., CEYLAN H., TORAMAN E., KARAKUŞ A., Project Supported by Higher Education Institutions, BAZI İNSAN BCL GEN AİLESİ ÜYELERİNE AİT PROMOTER BÖLGELERİNDE OLUŞTURULAN DELESYONLARIN VE ÇEŞİTLİ İNHİBİTÖRLERİN GEN EKPRESYONLARI ÜZERİNE OLAN ETKİLERİNİN HÜCRE KÜLTÜRÜNDE ARAŞTIRILMASI, 2016 - 2018

## Scientific Refereeing

JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, Journal Indexed in SCI-E, February 2024

Journal of Plant Science and Phytopathology, Journal Indexed in SCI-E, December 2023

WORLD JOURNAL OF SURGICAL ONCOLOGY, Journal Indexed in SCI-E, December 2023

TURKISH JOURNAL OF ZOOLOGY, National Scientific Refreed Journal, September 2019

## Metrics

Publication: 41

Citation (WoS): 95

Citation (Scopus): 107

H-Index (WoS): 4

H-Index (Scopus): 5

## Congress and Symposium Activities

4th International Conference on Innovative Academic Studies, Attendee, Konya, Turkey, 2024

KARADENİZ 15TH INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, Attendee, Rize, Turkey, 2024

AKDENİZ 11th INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, Attendee, Mersin, Turkey, 2024

AKDENİZ 11th INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, Session Moderator, Mersin, Turkey, 2024

ANADOLU 14th INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, Attendee, Gaziantep, Turkey, 2024

5th International Symposium on Bioinformatics, Audience, İstanbul, Turkey, 2021