

## Res. Asst. PhD Burcu TÜRKOĞLU

### Personal Information

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### International Researcher IDs

ORCID: 0000-0002-2939-3966

ScopusID: 57193379647

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### Education Information

Doctorate, Yildiz Technical University, Faculty Of Arts & Science, Department Of Molecular Biology And Genetics, Turkey 2017 - 2024

Postgraduate, Yildiz Technical University, Fen Edebiyat Fakültesi / Fen Bilimleri Enstitüsü, Moleküler Biyoloji Ve Genetik, Turkey 2014 - 2017

Undergraduate, Cukurova University, Fen Edebiyat Fakültesi , Biyoloji, Turkey 2008 - 2012

### Foreign Languages

English, B2 Upper Intermediate

### Certificates, Courses and Trainings

Vocational Course, Biyoistatistik Yöntemler, SpssKullanımı ve SCI ve SCI Expanded Dergiler İçin Bilimsel Yayın Oluşturma Eğitimi Kursu, Biruni Üniversitesi, 2019

Foreign Language, Super Intensive İngilizce Kursu (360 saat), Stafford House Dil Okulu, 2016

Vocational Course, Deney Hayvanları Kullanım Sertifikası, Bezmiâlem Vakıf Üniversitesi, 2016

### Dissertations

Doctorate, OKSİDATİF STRESE BAĞLI ERKEN YAŞLANMA ÜZERİNE ŞELİDONİK ASİT ETKİNLİĞİNİN IN VITRO-IN VIVO İNCELENMESİ, Yildiz Technical University, Faculty Of Arts & Science, Department Of Molecular Biology And Genetics, 2024

Postgraduate, KATEŞİN YÜKLÜ NANOPARTİKÜLLERİN ANTİOKSİDAN ETKİNLİĞİNİN İNCELENMESİ, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Moleküler Biyoloji ve Genetik, 2017

### Research Areas

Life Sciences, Biochemistry, Biomolecules, Molecular Biochemistry, Molecular Biology and Genetics, Natural Sciences

## Academic Titles / Tasks

Research Assistant, Yildiz Technical University, Faculty Of Arts & Science, Department Of Molecular Biology And Genetics, 2014 - Continues

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

- I. **Investigating the Effects of Chelidonic Acid on Oxidative Stress-Induced Premature Cellular Senescence in Human Skin Fibroblast Cells**  
Türkoğlu B., Mansuroğlu B.  
Life, vol.14, no.9, 2024 (SCI-Expanded)
- II. **Synthesis and Characterization of Catechin Loaded Microparticles and Their Evaluation for Antimutagenic Activity Against S. typhimurium Mutant Strains.**  
Arasoğlu T., Türkoğlu B., Akmayan İ., Mansuroğlu B., Derman S.  
Fresenius Environmental Bulletin, vol.1, pp.1, 2020 (SCI-Expanded)
- III. **Catechin Loaded Poly(lactic-co-glycolic acid) Nanoparticles: Characterization, Antioxidant and Cytotoxic Activity Against MCF-7 Breast Cancer Cells**  
Türkoğlu B., Mansuroğlu B.  
JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY, vol.20, pp.5313-5321, 2020 (SCI-Expanded)
- IV. **Preparation, characterization, and enhanced antimicrobial activity: quercetin-loaded PLGA nanoparticles against foodborne pathogens**  
ARASOĞLU T., DERMAN S., MANSUROĞLU B., Uzunoglu D., KOCYIGIT B., GUMUS B., ACAR T., TUNCER B.  
TURKISH JOURNAL OF BIOLOGY, vol.41, no.1, pp.127-140, 2017 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Antioxidant Effect of Catechin Loaded Polymeric Nanoparticule**  
TUNCER B., MANSUROĞLU B., DERMAN S.  
Sigma Journal of Engineering and Natural Sciences, vol.34, no.3, pp.453-465, 2016 (ESCI)
- II. **ANTIOXIDANT EFFECT OF CATECHIN LOADED POLYMERIC NANOPARTICLE**  
Tuncer B., Mansuroğlu B., Derman S.  
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.34, no.3, pp.453-465, 2016 (ESCI)

## Papers Published in Refereed Scientific Meetings

- I. **EVALUATION OF ACTIVE INGREDIENT WITH THERAPEUTIC POTENTIAL IN OVARIAN CANCER TYPES**  
Eker A., Türkoğlu B., Mansuroğlu B.  
8 th INTERNATIONAL HALICH CONGRESS ON MULTIDISCIPLINARY SCIENTIFIC RESEARCH, İstanbul, Turkey, 3 - 05 December 2024, pp.1000-1005
- II. **Investigation Of Biological Activity Of Catechin Loaded Nanoparticles**  
Mansuroğlu B., Türkoğlu B.  
3rd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2020) , Ankara, Turkey, 19 - 20 March 2020, pp.767
- III. **Diyabet Hastalığında Kateşin Yüklü PLGA Nanopartiküllerin Üretimi ve Karakterizasyonu**  
TUNCER B., DERMAN S., MANSUROĞLU B., DİNÇER E.  
27. Ulusal Biyokimya Kongresi, Turkey, 3 - 06 November 2015, vol.40, pp.63
- IV. **Biodegradable PLGA Nanoparticles As a Carrier For Antioxidant Catechin**

TUNCER B., DERMAN S., MANSUROĞLU B.

VII. Bioengineering Congress, İzmir, Turkey, 19 - 21 November 2015

V. **Biodegradable PLGA Nanoparticles as a carrier for antioxidant catechin**

TUNCER B., DERMAN S., MANSUROĞLU B.

VII. International Bioengineering Congress, 19 - 21 November 2015

VI. **Diyabet Hastalığında Kateşin Yüklü Nanopartiküllerin Üretimi ve Karakterizasyonu**

Tuncer B., Derman S., Mansuroğlu B.

XXVII. Ulusal Biyokimya Kongresi, Antalya, Turkey, 3 - 06 November 2015, vol.40, pp.194

## Supported Projects

Mansuroğlu B., Türkoğlu B., Emergency R&D Project of Group A, Şelidonik Asidin Alzheimer Hastalığı Modelinde Amyloid Beta Birikimini Engellemesi: SH-SY5Y Hücreleri Üzerinde Moleküler İnceleme ve Tedavi Potansiyeli, 2024 - 2025

MANSUROĞLU B., TÜRKOĞLU B., SERDAROĞLU KAŞIKÇI E., Project Supported by Higher Education Institutions, Şelidonik Asit Molekülünün In vitro Oksidatif Stres İndüklü Yaşlanma Üzerine Biyolojik Aktivitesinin İncelenmesi, 2021 - 2024

Türkoğlu B., Mansuroğlu B., Project Supported by Other Official Institutions, KATEŞİN YÜKLÜ NANOPARTİKÜLLERİN ANTIOKSİDAN ETKİNLİĞİNİN İNCELENMESİ, 2015 - 2018

MANSUROĞLU B., YABA UÇAR A., TÜRKOĞLU B., DERMAN S., Project Supported by Higher Education Institutions, Streptozotocin (STZ) ile İndüklenmiş Diyabetik Sıçanlarda Enkapsüle Kateşin Molekülünün Antioksidan Aktivitesinin İncelenmesi, 2015 - 2018

## Metrics

Publication: 12

Citation (WoS): 24

Citation (Scopus): 36

H-Index (WoS): 2

H-Index (Scopus): 1