

## Res. Asst. PhD Burcu TÜRKOĞLU

### Personal Information

**Office Phone:** [+90 212 383 4454](tel:+902123834454) Extension: 4454

**Email:** [btuncer@yildiz.edu.tr](mailto:btuncer@yildiz.edu.tr)

**Other Email:** [ytu.burcutuncer@gmail.com](mailto:ytu.burcutuncer@gmail.com)

**Web:** <https://avesis.yildiz.edu.tr/btuncer>



### International Researcher IDs

ORCID: 0000-0002-2939-3966

ScopusID: 57193379647

Yoksis Researcher ID: 216175

### 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, pp.1070-1103, 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 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)

## Refereed Congress / Symposium Publications in Proceedings

- I. **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
- II. **Biodegradable PLGA Nanoparticles As a Carrier For Antioxidant Catechin**  
TUNCER B., DERMAN S., MANSUROĞLU B.  
VII. Bioengineering Congress, İzmir, Turkey, 19 - 21 November 2015
- III. **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

Mansurođlu B., Túrkođlu B., Emergency R&D Project of Group A, Őelidonik Asidin Alzheimer Hastalıđı Modelinde Amyloid Beta Birikimini Engellemesi: SH-SY5Y Húcreleri Úzerinde Molekúler İnceleme ve Tedavi Potansiyeli, 2024 - 2025  
MANSUROĐLU B., TÚRKOĐLU B., SERDAROĐLU KAŐIKĐI E., Project Supported by Higher Education Institutions, Őelidonik Asit Molekúlünnn In vitro Oksidatif Stres İndúklú Yaşlanma Úzerine Biyolojik Aktivitesinin İncelenmesi, 2021 - 2024  
Túrkođlu B., Mansurođlu B., Project Supported by Other Official Institutions, KATEŐİN YÚKLÚ NANOPARTİKÚLLERİN ANTİOKSİDAN ETKİNLİĐİNİN İNCELENMESİ, 2015 - 2018  
MANSUROĐLU B., YABA UĐAR A., TÚRKOĐLU B., DERMAN S., Project Supported by Higher Education Institutions, Streptozotocin (STZ) ile İndúklenmiŐ Diyabetik Sıçanlarda Enkapsúle KateŐin Molekúlünnn Antioksidan Aktivitesinin İncelenmesi, 2015 - 2018

## Metrics

Publication: 8

Citation (WoS): 24

Citation (Scopus): 34

H-Index (WoS): 2

H-Index (Scopus): 1