

# ÖZLEM BAKIR BOĞA

## RES. ASST.

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### Learning Knowledge

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Doctorate 2021 - Continues	Ataturk University, Fen Bilimleri Enstitüsü, Biyoloji Anabilim Dalı, Turkey
Postgraduate 2017 - 2019	Ataturk University, Fen Bilimleri Enstitüsü, Biyoloji Anabilim Dalı, Turkey
Undergraduate 2012 - 2016	Erzurum Technical University, Faculty Of Science, Department Of Molecular Biology And Genetics, Turkey

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### Academic Titles / Tasks

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Research Assistant 2019 - Continues	Bartın University, Faculty Of Science, Department Of Biotechnology
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### Supported Projects

- Bakır Boğa Ö., Altunbay E., TUBITAK Project, Bazı Endemik Bitkilerin Antimikrobiyal Etkili Nanopartikül Sentezleme Yeteneklerinin Araştırılması, 2023 - 2024
- Bakır Ö., Kadirustaoğlu B., TUBITAK Project, Brassicaceae Cinsine Ait Bazı Bitkilerin Anti-Kollajenaz, Anti-Tirozinaz ve Anti-Üreaz Enzim Aktivitesine İnhibitör Etkilerinin İncelenmesi , 2022 - 2023
- Bakır Ö., Kara H., TUBITAK Project, Yeşil Sentez Metoduyla Maydanoz Sapından Sentezlenen Gümüş Nanopartikül Sentezi, Karakterizasyonu ve Antioksidan Aktivitelerinin Değerlendirilmesi, 2022 - 2023
- Bakır Ö., Özcan O. T., TUBITAK Project, Çeşitli Endemik Bitkilerin Anti-kollajenaz ve Anti-üreaz Enzim Aktivitesine İnhibitör Etkilerinin İncelenmesi, 2021 - 2022
- Bakır Ö., Kanbur N., TUBITAK Project, Centaurea Cinsine Ait Bazı Bitkilerin Lipoksijenaz Aktivitesine İnhibisyon Etkisinin İncelenmesi, 2021 - 2022
- Bakır Ö., Obaid A., TUBITAK Project, Fasulye (Phaseolus Vulgaris L.) Genomunda BES1 Gen Ailesinin Belirlenmesi, Karakterizasyonu ve Biyoinformatik Analizleri, 2021 - 2022
- Bakır Ö., Korkmaz N., Project Supported by Higher Education Institutions, Effect of Vanadium and Lead Heavy Metals on Metallothionein and miR398 Target Genes in Strawberry Plant, 2020 - 2021

### Scholarships

2211A Genel Yurtiçi Doktora Burs Programı, TUBITAK, 2021 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

1. **Phytochemical Profiling, in vitro Biological Activities and in silico Molecular Docking Studies of the Crude Extract of Crambe orientalis, an Endemic Plant in Turkey**  
Bakır Boğa Ö., Ortaakarsu A. B., Kadirustaoğlu B., Kurbanoglu E. B.  
CHEMISTRY AND BIODIVERSITY, vol.20, no. e20220114, pp.1-20, 2023 (SCI-Expanded)
2. **Ameliorating Effect of Boric Acid Against Vanadium Toxicity in Wheat (Triticum aestivum L.)**  
Bakır Ö., AĞAR G.  
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.45, no.1, pp.113-120, 2020 (SCI-Expanded)

### Articles Published in Other Journals

1. **Investigation of antioxidant activity and antiurease, anticollagenase enzyme inhibition profile of oleaster seeds**  
Bakır Ö., Kurbanoglu E. B.  
International Journal of Life Sciences and Biotechnology, vol.5, no.2, pp.213-224, 2022 (Peer-Reviewed Journal)
2. **Synthesis, characterization, antibacterial, antioxidant activity, and lipoxygenase enzyme inhibition profile of silver nanoparticles (AgNPs) by green synthesis from Seseli resinosum Freyn & Sint**  
Bakır Ö., Güller P., Kurbanoglu E. B.  
International Journal of Plant Based Pharmaceuticals, vol.2, no.2, pp.182-189, 2022 (Peer-Reviewed Journal)
3. **Investigation of DNA Methylation Level in Wheat Genome Exposed to Vanadium by Using CRED-RA Technique**  
Bakır Ö., Ağar G.  
ANADOLU Ege Tarımsal Araştırma Enstitüsü Dergisi, vol.31, no.1, pp.36-46, 2021 (Peer-Reviewed Journal)
4. **Sekonder Metabolitler ve Roller**  
Bakır Ö.  
UAZİMDER Uluslararası Anadolu Ziraat Mühendisliği Bilimleri Dergisi , no.2667-7571, pp.39-45, 2020 (Peer-Reviewed Journal)
5. **Triticeae'da abiyotik stresle ilişkili miRNA'lar**  
Bakır Ö.  
Atatürk Üniversitesi Ziraat Fakültesi Dergisi, vol.51, no.2, pp.207-218, 2020 (Peer-Reviewed Journal)

### Books & Book Chapters

1. **The relationship of microbiota-derived postbiotic mediators with various diseases**  
Bakır Boğa Ö., Kurbanoglu E. B.  
in: BIOTECHNOLOGY IN ACTION: UNVEILING NATURE'S POTENTIAL, MURAT ÖZDAL,SÜMEYRA GÜRKÖK, Editor, EFE ACADEMY PUBLISHING, Erzurum, pp.27-36, 2023
2. **GENETİĞİ DEĞİŞTİRİLMİŞ ORGANİZMALARIN ENDÜSTRİDE KULLANILMASI**  
Bakır Ö.  
in: Genetiği Değiştirilmiş Organizmalar ve Biyogüvenlik, İsmail Bezirganoğlu, Editor, Pegem A Yayıncılık, Erzurum, pp.30-40, 2017

### Refereed Congress / Symposium Publications in Proceedings

1. **Green Synthesis of Silver Nanoparticles Using Parsley Stem: Characterization and Evaluation of Their Antioxidant Properties**  
Bakır Boğa Ö., Kara H., Kurbanoglu E. B.  
1st International Conference on Frontiers in Academic Research, Konya, Turkey, 18 February 2023, pp.162-167
2. **Theobroma cacao'da RAV TRANSKRİPSİYON FAKTÖR AİLESİNİN GENOM ÇAPLI ANALİZİ**

Bakır Boğa Ö., Büyük İ., Aras E. S.

8th INTERNATIONAL MARDIN ARTUKLU SCIENTIFIC RESEARCHES CONFERENCE, Mardin, Turkey, 04 June 2022, pp.251-259

3. **Musa acuminata'da VOZ TRANSKRİPSİYON FAKTÖR AİLESİNİN GENOM ÇAPLI ANALİZİ**

Bakır Boğa Ö., Büyük İ., Aras E. S.

8th INTERNATIONAL MARDIN ARTUKLU SCIENTIFIC RESEARCHES CONFERENCE, Mardin, Turkey, 04 June 2022, pp.1153-1160

4. **In silico identification of YABBY transcription factors in Medicago truncatula**

Bakır Ö., Okay A., Büyük İ., Aras E. S.

4th International Eurasian Conference on Biological and Chemical Sciences , Ankara, Turkey, 24 - 26 November 2021, pp.982-989

5. **Genome-wide analysis of the BES1 transcription factor family in the bean (Phaseolus vulgaris) genome**

Bakır Ö., Obaid A., Büyük İ., Aras E. S.

4th International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 24 - 26 November 2021, pp.539-546

6. **Phaseolus vulgaris'te süperoksit dismutaz (SOD) genlerinin genom bazında analizi**

Bakır Ö., Büyük İ., Aras E. S.

3rd International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 08 March 2020, pp.500-510

7. **Phaseolus vulgaris'te metal tolerans proteininin (MTP) genom bazında analizi**

Bakır Ö., Büyük İ., Aras E. S.

3rd International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 08 March 2020, pp.500-510

8. **Ekmeklik buğdayda (Triticum aestivum L.) vanadyum stresinin DNA metilasyonu üzerine etkisi**

Bakır Ö., Ağar G.

2nd International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 8 - 09 June 2019, pp.300-305

9. **Ekmeklik buğdayda (Triticum aestivum L.) vanadyum stresinin meydana getirmiş olduğu moleküler ve biyokimyasal değişiklikler üzerine borik asitin etkisi**

Bakır Ö., Ağar G.

2nd International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 08 June 2019, pp.300-305

## Courses

Bitki Anatomi ve Morfolojisi Laboratuvarı, Undergraduate, 2023 - 2024

Tohumlu Bitkiler Laboratuvarı, Undergraduate, 2023 - 2024

Histoloji Laboratuvarı , Undergraduate, 2023 - 2024

Genel Mikrobiyoloji Laboratuvarı , Undergraduate, 2023 - 2024

Botanik Laboratuvarı, Undergraduate, 2023 - 2024

Bitki Fizyolojisi Laboratuvarı , Undergraduate, 2023 - 2024

## Scientific Refereeing

JOURNAL OF PLANT GROWTH REGULATION, SCI Journal, August 2022

Muş Alparslan Üniversitesi Fen Bilimleri Dergisi, Other Indexed Journal, June 2022

International Journal of Life Sciences and Biotechnology, Other Indexed Journal, May 2022

JOURNAL OF PLANT GROWTH REGULATION, SCI Journal, January 2022

## Metrics

Publication: 22

Citation (WoS): 1

Citation (Scopus): 6

H-Index (WoS): 1

H-Index (Scopus): 1

## Congress and Symposium Activities

Hipotezden Ürüne Biyolojik Bilimler ve Uygulamalı Doğa Bilimleri Alanında Bilimsel Sürecin Bileşenleri, Attendee, Kastamonu, Turkey, 2023

A- KALİTE EĞİTİMLERİ, B-ÇEVRE EĞİTİMLERİ, C- İŞ SAĞLIĞI VE GÜVENLİĞİ EĞİTİMLERİ, D-GIDA GÜVENLİĞİ EĞİTİMLERİ, Attendee, İstanbul, Turkey, 2022

bioinfocongress, Audience, İstanbul, Turkey, 2021

bioinfocongress, Audience, İstanbul, Turkey, 2021

## Research Areas

Life Sciences, Plant Biology, Bioinformatics, Biotechnology, Natural Sciences