

## Res. Asst. ECE AKBAŞ

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AIC-5355-2022

ScopusID: 57470004900

Yoksis Researcher ID: 267650

### Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Biology, Turkey 2020 - Continues

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Biyoloji (YL) (Tezli), Turkey 2017 - 2020

Undergraduate, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Biology, Turkey 2011 - 2016

### Certificates, Courses and Trainings

Other, Hücre Kültürü ve Sitotoksisite Analizleri , Hacettepe Üniversitesi, 2019

### Dissertations

Postgraduate, MANYETİK REZONANS GÖRÜNTÜLEMEDE KULLANILAN GADOBUTROL VE GADOVERSETAMİD ETKEN MADDELERİNİN GENOTOKSİK ETKİSİ, Gazi University, Fen Bilimleri Enstitüsü, 2020

### Research Areas

Molecular Biology and Genetics

### Academic Titles / Tasks

Research Assistant, Gazi University, Fen Fakültesi, Biyoloji, 2017 - Continues

### Academic and Administrative Experience

Program Accreditation-Self-Assessment Committee Member, Gazi University, Fen Fakültesi, Biyoloji, 2020 - Continues

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

- I. **Cellular toxicities of gadolinium-based contrast agents used in magnetic resonance imaging**  
Akbaş E., Ünal F., Yüzbaşıoğlu D.  
Journal of Applied Toxicology, vol.43, no.7, pp.958-972, 2023 (SCI-Expanded)
- II. **Genotoxic effects of gadobutrol and gadoversetamide active substances used in magnetic resonance imaging in human peripheral lymphocytes <i>in vitro</i>**  
Akbaş E., Ünal F., Yüzbaşıoğlu D.  
DRUG AND CHEMICAL TOXICOLOGY, vol.45, no.6, pp.2471-2482, 2022 (SCI-Expanded)

## Books & Book Chapters

- I. **Comet Assay**  
Ünal F., Saygılı Y., Akbaş E.  
in: Genetics Toxicology, Fatma Ünal, Deniz Yüzbaşıoğlu, Editor, Nobel Yayınevi, Ankara, pp.313-340, 2022

## Refereed Congress / Symposium Publications in Proceedings

- I. **In vitro genotoxicity assessment of gadobutrol by comet assay**  
Akbaş E., Ünal F., Yüzbaşıoğlu D.  
5th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2022), Ankara, Turkey, 23 - 25 November 2022, pp.245
- II. **Evaluation of the Genotoxic and Antigenotoxic Effect of Boric Acid Against Mitomycin-C in Human Lymphocyte**  
Hamoud Moussa F., Ünal F., Akbaş E., Yüzbaşıoğlu D.  
5th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2022), Ankara, Turkey, 23 - 25 November 2022, pp.469
- III. **Investigation of Gadobutrol Genotoxicity in Human Peripheral Lymphocytes by Micronucleus Test**  
Akbaş E., Ünal F., Yüzbaşıoğlu D.  
9th International Academic Studies Conference (UBCAK 2022), Ankara, Turkey, 03 August 2022, pp.109-110
- IV. **Genotoxicity Assessment of Gadobutrol in Human Lymphocytes by Sister Chromatid Exchange Assay**  
Akbaş E., Ünal F., Yüzbaşıoğlu D.  
VI. International Scientific and Vocational Studies Congress – Science and Health (BILMES SH 2021), Tokat, Turkey, 23 December 2021, pp.7-8
- V. **Investigating Genotoxic Effect of Gadobutrol by in vitro Chromosome Aberrations Test**  
AKBAŞ E., ÜNAL F., YÜZBAŞIOĞLU D.  
IV. International Ankara Conference on Scientific Research, Ankara, Turkey, 10 April 2021
- VI. **Investigation of Gadoversetamide Genotoxicity in Human Peripheral Lymphocytes by Micronucleus Test**  
AKBAŞ E., ÜNAL F., YÜZBAŞIOĞLU D.  
International Conference on Advanced Materials Science & Engineering and High Tech Devices Applications; Exhibition (ICMATSE 2020), Ankara, Turkey, 2 - 04 October 2020
- VII. **Evaluation of Gadoversetamide Active Substance Used in Magnetic Resonance Imaging in Human Peripheral Lymphocytes by Chromosomal Aberrations Test**  
DİMİCİ E., ÜNAL F., YÜZBAŞIOĞLU D.  
3 rd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2020), Turkey, 19 - 20 March 2020
- VIII. **Gadolinium Based Contrast Agents Used in Magnetic Resonance Imaging and Toxicity**  
DİMİCİ E., YÜZBAŞIOĞLU D., ÜNAL F.

7th International Symposium on Academic Studies in Science, Engineering and Architecture Sciences, 15 - 17 November 2019

**IX. Evaluation of Genotoxic Effects of Gadoversetamide in Cultured Human Lymphocytes by Sister Chromatid Exchange Test**

DİMİCİ E., YÜZBAŞIOĞLU D., ÜNAL F.

7th International Symposium on Academic Studies in Science, Engineering and Architecture Sciences, 15 - 17 November 2019

## Supported Projects

ÜNAL F., AKBAŞ E., Project Supported by Higher Education Institutions, Gıda Endüstrisinde Kullanılan Çinko Oksit Grafen Oksit ve İndirgenmiş Grafen Oksit ile Bunların Nanokompozitlerinin in vitro Genotoksik ve Sitotoksik Etkileri, 2024 - Continues

ÜNAL F., YÜZBAŞIOĞLU D., AKBAŞ E., YILMAZ E. A., Project Supported by Higher Education Institutions, Gıda Katkı Maddelerinden Sitrik Asitin Monosodyum Glutamat ve Ksilitol ile Birlikte Genotoksik Etkilerinin İncelenmesi, 2024 - Continues

Ünal F., Akbaş E., Yüzbaşıoğlu D., Project Supported by Higher Education Institutions, Manyetik Rezonans Görüntülemeye Kullanılan Gadobutrol ve Gadoversetamid Etken Maddelerinin İnsan Periferik Lenfositlerinde in vitro Genotoksik Etkisi, 2019 - 2021

## Metrics

Publication: 12

Citation (WoS): 2

Citation (Scopus): 14

H-Index (WoS): 1

H-Index (Scopus): 2

## Scholarships

2211-A-Genel Yurt İçi Doktora Burs Programı, TÜBİTAK, 2023 - Continues

## Non Academic Experience

L.E.S. MİKROGEN GENETİK HASTALIKLAR TANI MERKEZİ

L.E.S. MİKROGEN GENETİK HASTALIKLAR TANI MERKEZİ

L.E.S. MİKROGEN GENETİK HASTALIKLAR TANI MERKEZİ

GEN-ART TÜP BEBEK MERKEZİ