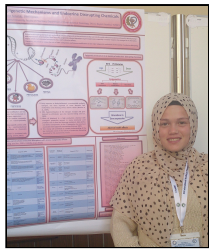
BİRUNİ UNIVERSITY "Future of Science"

CURRICULUM VITAE AND PUBLICATIONS LIST



CURRICULUM VITAE

Name and Surname: Mine ÇAĞLAYAN

Date of Birth: 1988

Academic Title: Assistant Professor

Work Address:

Email: mcaglayan@biruni.edu.tr

Area of Expertise:
Health Sciences
Pharmaceutical Toxicology
Pharmacology and Therapeutics
Professional Sciences

Degree	Department/Program	University	Year
Doctorate	FARMASÖTİK TOKSİKOLOJİ (DR)	İstanbul University	2021
Master's Degree	FARMASÖTİK TOKSİKOLOJİ (YL) (TEZLİ)	İstanbul University	2016
Bachelor's Degree	BİYOLOJİ BÖLÜMÜ	İstanbul University	2012

Master's Thesis Title (abstract attached) and Thesis Supervisor(s):

Bisfenol A'nın farklı hücre kültürlerinde DNA metilasyonu ve histon modifikasyonları üzerine etkilerinin araştırılması

Doctoral Thesis/Proficiency Study/Medical Specialization Thesis Title (abstract attached) and Supervisor(s):

Bisfenol a ve analoglarının endoplazmik retikulum stresi üzerine etkilerinin hücre kültüründe incelenmesi

Position Title	Workplace	Year
Assistant Professor	Biruni University	2022-Continues

Roles in Projects:

Yaygın Olarak Kullanılan Triazol Grubu Fungusit Penkonazolün Sitotoksik Etki Potansiyelinin Allium Cepa Test Sistemi Kullanılarak Araştırılması (2024 - Continues)
Nöroblastoma ve Prostat Kanser Hücrelerinde Gen Spesifik DNA Metilasyonu ve Histon Modifikasyonu Üzerine Bisfenol A`nın Etkileri (2015 - 2018)
Endokrin Sistem Üzerine Etkili Kimyasallarin Toksisitelerinde Histon Modifikasyonlarinin Rolü (2014 - 2016)
Bisfenol A'nın Farklı Hücre Kültürlerinde DNA Metilasyonu ve Histon Modifikasyonları Üzerine Etkilerinin Araştırılması (2014 - 2016)
Endokrin Bozucu Kimyasalların Toksisitelerinde Epigenetik Mekanizmaların Rolü (2013 - 2015)

Administrative Duties:

Other Academic Position - Biruni University (2024 - Continues)
Other Academic Position - Biruni University (2023 - Continues)
Other Academic Position - Biruni University (2023 - Continues)

Awards:

First prize for poster presentation. Ozden S., Senyildiz M., Karaman E. F. Global and gene-spesific promoter DNA methylation profiles of bisphenol A in HepG2 cells. (2015)

Undergraduate and graduate level courses taught in the last two years (If offered, summer courses will also be added to the table):

Academic Year	Semester	Course Name	Weekly Hours		Number of Students
			Theoretical	Practical	
2024	Spring	MOLEKÜLER BİYOLOJİ VE YÖNTEMLER			
2024	Spring	Farmakogenomik			
2024	Fall	MOLEKÜLER BİYOLOJİ VE YÖNTEMLER			
2024	Fall	Farmakogenomik			

PUBLICATIONS

A. Articles published in international peer-reviewed journals:

A1. "Bioactive potential of Origanum heracleoticum L. essential oil: Chemical composition and its antimicrobial and anticancer properties", Journal of Essential Oil-Bearing Plants, 2025.

A2. "In silico analysis to predict the carcinogenicity and mutagenicity of a group of triazole fungicides", İstanbul Journal of Pharmacy, 2024.

A3. "Potential impacts of bisphenols on prostate cells: An overview of cytotoxicity, proliferation, oxidative stress, apoptosis, and ER-stress response activation", Food and Chemical Toxicology, 2024.

A4. "Alteration on global and genespesific DNA Methylation and global Histone Modifications in HepG2 Cells in Response to BPA", İstanbul Journal of Pharmacy, 2022.

A5. "Alteration in Global DNA Methylation after Bisphenol A Exposure in MCF-7 Cells.", İstanbul Journal of Pharmacy, 2022.

A6. "In Vitro Effects of Eicosapentaenoic and Docosahexaenoic Acid on the Vascular Tone of a Human Saphenous Vein: Influence of Precontractile Agents", Annals of Vascular Surgery, 2020.

A7. "Global and region-specific post-transcriptional and post-translational modifications of bisphenol A in human prostate cancer cells", Environmental Pollution, 2019.

A8. "Investigation of the genotoxic and cytotoxic effects of widely used neonicotinoid insecticides in HepG2 and SH-SY5Y cells", Toxicology and Industrial Health, 2018.

A9. "DNA methylation analysis in rat kidney epithelial cells exposed to 3-MCPD and glycidol", Drug and Chemical Toxicology, 2017.

A10. "Effects of BPA on global DNA methylation and global histone 3 lysine modifications in SH-SY5Y cells: An epigenetic mechanism linking the regulation of chromatin modifiying genes", Toxicology in Vitro, 2017.