

CURRICULUM VITAE AND PUBLICATIONS LIST

CURRICULUM VITAE

Name and Surname: Zihni Onur ÇALIŞKANER
Date of Birth: 1987
Academic Title: Assistant Professor
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Degree	Department/Program	University	Year
Doctorate	MOLEKÜLER BİYOLOJİ VE GENETİK (DR)	Gebze Technical University	2018
Master's Degree	MOLEKÜLER BİYOLOJİ VE GENETİK (YL) (TEZLİ)	Gebze Technical University	2013
Double Major Bachelor's Degree	MOLEKÜLER BİYOLOJİ VE GENETİK	İstanbul University	2009
Bachelor's Degree	BİYOLOJİ BÖLÜMÜ	İstanbul University	2009

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

Endoplazmik retikulum stresinin SIK2 yolu üzerindeki etkisi

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

Dek gen ifadesinin multiple miyelom hücrelerine etkisinin araştırılması

Position Title	Workplace	Year
Assistant Professor	Biruni University	2022-Continues
Assistant Professor	Üsküdar University	2019-2022
Research Assistant		2011-2018

Supervised Master's Theses:

1. Yeni MBD2 inhibitör adaylarının in vitro sitotoksik etkilerinin araştırılması (2025)
2. Exploring the potential of drug repurposing against abnormally regulated cell-matrix interactions in the treatment of pancreatic cancer (2025)
3. MBD2 İnhibisyonunun Fibroblast Hücre Hattı Karakterine Etkilerinin Araştırılması (Continues)

Roles in Projects:

Epigenetik İlaç (Epi-Drug) Olarak Kullanılabilecek Yeni MBD2 İnhibitör Adaylarının İn Vitro Etkinliklerinin Araştırılması (2023 - Continues)
MBD2'nin Kimyasal Molekül Aracılı İnhibisyonunun HFF-1 Hücre Karakteri Üzerindeki Etkilerinin Araştırılması (2024 - 2025)

Livin-Alfa Proteininin Stresli ve Stressiz Koşullardaki Etkileşim Partnerlerinin Bioid Yöntemi Kullanılarak Belirlenmesi (2024 - 2025)

DEK Ekspresyonu Modifiye Edilmiş RPMI 8226 Hücre Hattında CD138 Proteinin Analizi (2015 - 2016)

Dek Gen İfadelerinin Ekspresyonunun Multiple Miyeloma Hücrelerine Etkisinin Araştırılması (2013 - 2015)

Endoplazmik Retikulum Stresinin Karaciger Hücrelerinde CREB Aracılı Glikoz ve Lipid Sentezine Etkisi (2011 - 2013)

Awards:

Genç Araştırmacı Ödülü (2017)

PUBLICATIONS

A. Articles published in international peer-reviewed journals:

- A1. "Versatile functions of methyl-CpG-binding domain 2 (MBD2) in cellular characteristics and differentiation", Molecular Biology Reports, 2025.
- A2. "Computational discovery of novel inhibitory candidates targeting versatile transcriptional repressor MBD2", JOURNAL OF MOLECULAR MODELING, 2022.
- A3. "Determination of binding potential of HCV protease inhibitors against SARS-CoV-2 Papain-like protease with computational docking", Letters in Drug Design & Discovery, 2021.
- A4. "Identification of novel TUBB1 variants in patients with macrothrombocytopenia", TURKISH JOURNAL OF MEDICAL SCIENCES, 2021.
- A5. "Antimicrobial properties and application of fig seed oil as an additive for chitosan-based films", Ukrainian Food Journal, 2021.
- A6. "DEK Protein Level is a Biomarker of CD138positive Normal and Malignant Plasma Cells", PLoS One, 2017.
- A7. "Application of data analysis in cold stress: A case study of Nicotiana benthamiana", TURKISH JOURNAL OF BOTANY, 2015.

B. Papers presented at international scientific meetings and published in proceedings:

- B1. "Investigating The Usage Potential of MBD2 Expression As A Biomarker in Certain Cancers", 1. Europe International Scientific Research and Innovation Congress (ISARC), 2025.
- B2. "Evaluation of The Identified Somatic MBD2 Mutations and Their Biological Impacts", Efes 2. International Scientific Research and Innovation Congress, 2025.
- B3. "Exploring The Potential Of Drug Repurposing Against Abnormally Regulated Cell-Matrix Interactions In The Treatment Of Pancreatic Cancer", STRA International Conference on Engineering & Technology, 2024.
- B4. "Usage of Polymeric Materials in Stem Cell Science", 16th International Seminar on Polymer Science and Technology (ISPST 2024), 2024.
- B5. "High level of DEK isoform-2 delays recovery from doxorubicin induced DNA damage", The 45th FEBS Virtual Congress, 2021.
- B6. "Bioinformatic Analysis of Parkinson s Disease Huntington s Disease and Multiple Sclerosis To Reveal Disease Specific Metabolic Patterns", 3rd International Congress of Molecular Biology Association of Turkey, 2014.

C. National/international books written or chapters in books:

C2. Chapters in national/international books written:

- C2.1. "Bionformatics Of The Brain", CRC Press Taylor & Francis, 2024.

E. Papers presented at national scientific meetings and published in proceedings:

- E1. "MAKROTROMBOSİTOPENİ GENETİĞİ: MYH9-TUBB1 İLKKEZ TANIMLANAN MUTASYONLAR VE ETKİLERİ", 3.Hematolojik Genetik Sempozyumu, 2018.
- E2. "TUBB1 p.T274M/R307H Genetik Varyasyonun Mikrotübül Organizasyonu Üzerindeki Etkisi", 43. Ulusal Hematoloji Kongresi, 2017.
- E3. "Investigating Potential Affects of Dek Expression on Multiple Myeloma Cells", GTÜ Fen Bilimleri Lisansüstü Araştırmalar Sempozyumu, 2016.
- E4. "Endojen DEK İfadelerindeki Baskılanmanın Multiple Miyelom Hücre Hatlarının Temel Biyolojik Özellikleri Üzerindeki Etkilerinin Araştırılması", XIV. Ulusal Tibbi Biyoloji ve Genetik Kongresi (Uluslararası katılımlı), 2015.