

## Asst. Prof. Sakine Akar

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: ADP-1484-2022

Yoksis Researcher ID: 225634

### Education Information

Doctorate, Erciyes University, Sağlık Bilimleri Enstitüsü, Tıbbi Biyoloji, Turkey 2015 - 2020

Postgraduate, Inonu University, Sağlık Bilimleri Enstitüsü, Tıbbi Biyoloji Ve Genetik (YI) (Tezli), Turkey 2012 - 2015

### Dissertations

Doctorate, siRNA ARACILI GLUTAMİNAZ (GLS1) İNHİBİSYONUNUN MEME KANSER HÜCRELERİNİN KANSEROJENİK ÖZELLİKLERİ ÜZERİNE ETKİSİNİN ARAŞTIRILMASI, Erciyes University, Tıp Fakültesi, 2020

Postgraduate, Meme epiteli ve meme kanseri hücrelerinde caxtaxın protein ekspresyonunun belirlenmesi, Inonu University, Sağlık Bilimleri Enstitüsü, Tıbbi Biyoloji Ve Genetik (YI) (Tezli), 2015

### Research Areas

Medical Biology

### Academic Titles / Tasks

Research Assistant PhD, Van Yüzüncü Yıl University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2020 - Continues

Research Assistant, Erciyes University, Tıp Fakültesi, 2016 - 2020

Research Assistant, Van Yüzüncü Yıl University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2015 - 2016

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

- I. **A benzimidazolium salt induces apoptosis and arrests cells at sub-G1 phase in epithelial ovarian cancer cells**  
Akar S., Çakır M., Özkol H., Akkoç S., Özdem B.  
MOLECULAR BIOLOGY REPORTS, vol.51, pp.1-9, 2024 (SCI-Expanded)
- II. **beta-Escin reduces cancer progression in aggressive MDA-MB-231 cells by inhibiting glutamine metabolism through downregulation of c-myc oncogene**  
Akar S., ALTUNTAŞ H., HAMURCU Z.

## Articles Published in Other Journals

- I. **Anticancer Effect of 1-(Anthracen-10-ylmethyl)-3-(2-cyanobenzyl)-1H-benzo[d]imidazol-3-ium chloride in 2D and 3D Cell Culture Models in Breast Cancer**  
Çakır M., Akar S., Çakır Ş., Akkoç S., Özkol H., Tülüce Y.  
Eastern Journal of Medicine, vol.29, no.2, pp.244-251, 2024 (Scopus)
- II. **Downregulation of glutaminase 1 (GLS1) Inhibits Proliferation, Clonogenicity, and Migration of Aggressive MDA-MB-231 Breast Cancer Cells by Increasing p21 and Decreasing Integrin-beta 1 Expression**  
Akar S., ALTUNTAŞ H., HAMURCU Z.  
ERCIYES MEDICAL JOURNAL, vol.44, no.6, pp.587-593, 2022 (ESCI)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Sentetik Benzimidazol Tuzunun Over Kanser Hücrelerinin Proliferasyon ve Koloni Oluşumu Üzerine Etkileri**  
AKAR S., TÜLÜCE Y., ÖZKOL H., ÇAKIR M.  
2.Uluslararası Ege Sağlık Alanları Sempozyumu (UESAS'22), Turkey, 7 - 08 March 2022
- II. **Glutamine Energy Metabolism in Cancer**  
AKAR S.  
Uluslararası Sağlık Alanları Kongresi 2021 (USAK'21), Turkey, 18 - 19 September 2021
- III. **Determination Of Caytaxin Protein Ekspression in Breast Epithelium and Breast Cancer Cells**  
AKAR S., TEKEDERELİ İ.  
Uluslararası Sağlık Alanları Kongresi 2021 (USAK'21), Turkey, 18 September 2021
- IV. **THE EFFECTS OF BETA-ESCIN ON THE PROLIFERATION AND MIGRATION OF AGGRESSIVE BREAST CANCER CELL LINE MDA-MB-231**  
AKAR S., ALTUNTAŞ H., HAMURCU Z.  
8 th Multidisciplinary Cancer Research Congress, Turkey, 15 January 2021
- V. **The effects on proliferation of siRNA-mediated GLS1 inhibition in MDA-MB 231 breast cancer cells”,**  
AKAR S., HAMURCU Z., ALTUNTAŞ H.  
3rd International Conference on Natural Products for Cancer Prevention and Therapy, Kayseri, Turkey, 18 - 20 December 2019

## Metrics

Publication: 10