

## Asst. Prof. ASLI SADE MEMİŐOĐLU

### Personal Information

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### International Researcher IDs

ORCID: 0000-0002-8412-6473

Publons / Web Of Science ResearcherID: B-7141-2016

ScopusID: 36097197700

Yoksis Researcher ID: 268670

### Education Information

Doctorate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Biyoloji (Dr), Turkey  
2009 - 2014

Postgraduate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Biyoloji (YI) (Tezli),  
Turkey 2007 - 2009

Undergraduate, Middle East Technical University, Fen-Edebiyat Faköltesi, Biyolojik Bilimler Bölümü, Turkey 1997 - 2002

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Investigation of the molecular pathways involved in intestinal epithelial differentiation, Middle East Technical  
University, Fen Bilimleri Enstitüsü, Biyoloji (Dr), 2014

Postgraduate, Interaction of the non steroidal anti-inflammatory drug celecoxib with pure and cholesterol containing  
model membranes, Middle East Technical University, Fen Bilimleri Enstitüsü, Biyoloji (YI) (Tezli), 2009

### Research Areas

Life Sciences

### Academic Titles / Tasks

Assistant Professor, Dokuz Eylöl University, Buca Eđitim Faköltesi, Fen Bilgisi Eđitimi Bölümü, 2017 - Continues

### Courses

İleri Biyoloji II, Postgraduate, 2018 - 2019, 2017 - 2018

Biyoloji 1, Undergraduate, 2018 - 2019  
Genetik Mühendisliği ve Biyoteknoloji, Undergraduate, 2018 - 2019, 2017 - 2018  
Evolüsyon, Undergraduate, 2018 - 2019, 2017 - 2018  
Genetik ve Biyoteknoloji, Undergraduate, 2018 - 2019, 2017 - 2018  
Evrim, Undergraduate, 2018 - 2019, 2017 - 2018  
İnsan Anatomisi ve Fizyolojisi, Undergraduate, 2018 - 2019, 2017 - 2018  
Biyolojide Özel Konular, Undergraduate, 2018 - 2019, 2017 - 2018  
Genel Biyoloji II, Undergraduate, 2018 - 2019, 2017 - 2018  
Genetik, Undergraduate, 2018 - 2019, 2017 - 2018  
Moleküler Biyoloji, Undergraduate, 2018 - 2019, 2017 - 2018  
Kirlenme Ekolojisi, Postgraduate, 2018 - 2019  
İleri Biyoloji I, Postgraduate, 2018 - 2019, 2017 - 2018  
Çevre Canlı İlişkisi, Postgraduate, 2018 - 2019  
Ekoloji, Undergraduate, 2017 - 2018  
Sağlık ve İlk Yardım, Undergraduate, 2017 - 2018  
Genel Biyoloji I, Undergraduate, 2017 - 2018

## Advising Theses

SADE MEMİŞOĞLU A., The effect of case-based learning method on pre-service teachers' genetic course learning processes, academic achievement and perception of course experience, Postgraduate, Y.CÖMERT(Student), 2023  
İlgaz Ç., SADE MEMİŞOĞLU A., Investigation of the epigenetic changes during epithelial-mesenchymal transition of colon cancer cells, Postgraduate, Z.ALEYNA(Student), 2022  
SADE MEMİŞOĞLU A., Determining pre-service science teachers' perceptions of science, nature of science and the relationship between them, Postgraduate, B.ERÇELİK(Student), 2021

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

- I. **Enhanced expression of HNF4 alpha during intestinal epithelial differentiation is involved in the activation of ER stress**  
Tuncer S., Sade-Memisoglu A., Keskus A. G., Sheraj I., GÜNER G., AKYOL A., BANERJEE S.  
FEBS JOURNAL, vol.287, no.12, pp.2504-2523, 2020 (SCI-Expanded)
- II. **Epigenetic Mechanisms Underlying the Dynamic Expression of Cancer-Testis Genes, PAGE2, -2B and SPANX-B, during Mesenchymal-to-Epithelial Transition**  
Yilmaz-Ozcan S., SADE MEMİŞOĞLU A., Kucukkaraduman B., Kaygusuz Y., Senses K. M., BANERJEE S., GÜRE A. O.  
PLOS ONE, vol.9, no.9, 2014 (SCI-Expanded)
- III. **The NF-kappa B target genes ICAM-1 and VCAM-1 are differentially regulated during spontaneous differentiation of Caco-2 cells**  
Astarci E., SADE MEMİŞOĞLU A., Cimen I., SAVAŞ B., BANERJEE S.  
FEBS JOURNAL, vol.279, no.16, pp.2966-2986, 2012 (SCI-Expanded)
- IV. **Celecoxib reduces fluidity and decreases metastatic potential of colon cancer cell lines irrespective of COX-2 expression**  
SADE MEMİŞOĞLU A., Tuncay S., Cimen I., Severcan F., BANERJEE S.  
BIOSCIENCE REPORTS, vol.32, no.1, pp.35-44, 2012 (SCI-Expanded)
- V. **Effects of the non-steroidal anti-inflammatory drug celecoxib on cholesterol containing distearoyl phosphatidylcholine membranes**  
SADE MEMİŞOĞLU A., BANERJEE S., Severcan F.  
SPECTROSCOPY-BIOMEDICAL APPLICATIONS, vol.25, no.3-4, pp.177-185, 2011 (SCI-Expanded)
- VI. **Celecoxib-loaded liposomes: effect of cholesterol on encapsulation and in vitro release**

### **characteristics**

Deniz A., SADE MEMİŞOĞLU A., Severcan F., KESKİN D., TEZCANER A., BANERJEE S.  
BIOSCIENCE REPORTS, vol.30, no.5, pp.365-373, 2010 (SCI-Expanded)

### **VII. Concentration-dependent differing actions of the nonsteroidal anti-inflammatory drug, celecoxib, in distearoyl phosphatidylcholine multilamellar vesicles**

SADE MEMİŞOĞLU A., BANERJEE S., Severcan F.  
JOURNAL OF LIPOSOME RESEARCH, vol.20, no.2, pp.168-177, 2010 (SCI-Expanded)

## **Articles Published in Other Journals**

- I. **Determining pre-service science teachers' perceptions of science, nature of science, and the relationship between them**  
SADE MEMİŞOĞLU A., Erçelik B.  
INTERNATIONAL JOURNAL OF CONTEMPORARY EDUCATIONAL RESEARCH, vol.9, no.2, pp.395-411, 2022 (Peer-Reviewed Journal)
- II. **SPAM1 (sperm adhesion molecule 1 (PH-20 hyaluronidase, zona pellucida binding))**  
SADE MEMİŞOĞLU A., BANERJEE S.  
Atlas of Genetics and Cytogenetics in Oncology and Haematology, 2010 (Scopus)

## **Books & Book Chapters**

- I. **Nanomedicine Based Therapies Against Cancer Stem Cells**  
SADE MEMİŞOĞLU A., TAVŞAN Z.  
in: Recent Progress in Pharmaceutical Nanobiotechnology: A Medical Perspective, Habibe YILMAZ, Editor, Bentham Science, pp.239-260, 2023
- II. **HOMİNİDLERİN ve İNSANIN EVRİMİ**  
KATIRCIOĞLU H., GÖRÜR G., DÖNEL AKGÜL G., BEŞOLUK Ş., ESEN Y., İLKÖRÜCÜ Ş., MARAŞ M., ÖZEL Ç. A., ÖZKAN N., YILDIRIM C., et al.  
in: Biyoloji 3, Cansu Filik İşçen, Osman Gülnaz, Editor, Lisans Yayıncılık, İstanbul, pp.437-462, 2020

## **Refereed Congress / Symposium Publications in Proceedings**

- I. **Investigation of bivalency in differentiation and cancer stem cell genes in a MET-EMT model of colorectal cancer**  
Elalaoui S., SADE MEMİŞOĞLU A.  
5th INTERNATIONAL YOUNG RESEARCHERS STUDENT CONGRESS, Burdur, Turkey, 1 - 03 June 2023, vol.1, pp.159-163
- II. **Kolon kanseri farklılaşmasında kanser kök hücrelerinin işlevsel özellikleri**  
BODUR A., SADE MEMİŞOĞLU A.  
9th International Mardin Artuklu Scientific Researches Conference, Mardin, Turkey, 20 - 22 January 2023, pp.67-76
- III. **Plasticity between differentiated/redifferentiated cancer cells coordinates cell proliferation and spheroid formation**  
Tavşan Z., Sade Memişoğlu A.  
8th International Congress of the Molecular Biology Association of Turkey, İstanbul, Turkey, 9 - 12 June 2022, pp.160
- IV. **CSCs of Caco-2 cells in different EMT status exhibit differential proliferative and spheroidal formation features**  
SADE MEMİŞOĞLU A., TAVŞAN Z.

8th International Congress of the Molecular Biology Association of Turkey, İstanbul, Turkey, 09 June 2022, pp.156

- V. **Yeni geliştirilen kolorektal kanser EMT modelinde Polycomb grup proteinlerindeki değişikliklerin ve ilaç hassasiyetinin araştırılması**  
ŞAHİN Z. A., ILGAZ Ç., SADE MEMİŞOĞLU A.  
VI. International Scientific and Vocational Studies Congress – Science and Health (BILMES SH 2021), online, Turkey, 23 - 26 December 2021, pp.60-67
- VI. **Investigating Differences in Polycomb Group Proteins in a Newly Developed Colorectal Cancer EMT Model**  
ŞAHİN Z. A., ILGAZ Ç., SADE MEMİŞOĞLU A.  
VIII. International Congress of Molecular Medicine, İstanbul, Turkey, 9 - 12 November 2021
- VII. **Fen Bilgisi Öğretmen Adaylarının Bilimin Doğası Hakkındaki Görüşleri**  
Erçelik B., SADE MEMİŞOĞLU A.  
International Congress of Pedagogical Research, Düzce, Turkey, 24 - 26 June 2020, pp.38-47
- VIII. **Fen Bilgisi Öğretmen Adaylarının Bilim Kavramına İlişkin Metaforik Algıları**  
Erçelik B., SADE MEMİŞOĞLU A.  
International Congress of Pedagogical Research, Düzce, Turkey, 24 - 26 June 2020, pp.28-37
- IX. **Regulation and role of CCAAT/enhancer binding protein during differentiation of intestinal epithelial cells**  
SADE MEMİŞOĞLU A., BANERJEE S.  
17th ECCO-38th ESMO-32th ESTRO European Cancer Congress, Amsterdam, Netherlands, 27 September - 01 October 2013
- X. **Characterization of Sodium Butyrate Induced Differentiation in Colon Cancer Cells by Fourier Transform Infrared Spectroscopy and Microscopy**  
ŞİMŞEK ÖZEK N., SADE MEMİŞOĞLU A., BANERJEE S., SEVERCAN F.  
BIOPHYSICAL JOURNAL, Philadelphia, United States Of America, 2 - 06 February 2013, vol.104, pp.339
- XI. **Biophysical and functional characterization of celecoxib in colorectal cancer cell lines**  
SADE MEMİŞOĞLU A., Tunçay S., Çimen İ., SEVERCAN F., BANERJEE S.  
4th International Meeting on Medicinal and Pharmaceutical Chemistry 6th International Symposium on Pharmaceutical Chemistry, Ankara, Turkey, 30 September - 02 October 2010
- XII. **Concentration dependent effects of celecoxib on model membranes**  
SADE MEMİŞOĞLU A., BANERJEE S., SEVERCAN F.  
9th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 23 - 26 June 2009
- XIII. **Selekoksisib ile DSPC lipozomların etkileşiminin FTIR spektroskopisi ile incelenmesi**  
SADE MEMİŞOĞLU A., ASTARCI A., BANERJEE S., SEVERCAN F.  
13. Biyomedikal Mühendisliği Toplantısı, Ankara, Turkey, 29 - 31 May 2008
- XIV. **Plasmid DNA transfection in the colorectal cancer cell line HCT-116 significantly alters cellular characteristics**  
SADE MEMİŞOĞLU A., BANERJEE S., SEVERCAN F.  
EMBO Young Scientists Forum, İstanbul, Turkey, 20 - 22 February 2008

## Supported Projects

SADE MEMİŞOĞLU A., Selçuk E., Project Supported by Higher Education Institutions, Karayosunu özütlerinin kolon kanseri hücrelerinde epitel mezenkimal dönüşüme etkisi, 2023 - Continues

Sade Memişoğlu A., Canlı K., Özel Demiralp F. D., Akıncı G., ALIN A., Project Supported by Higher Education Institutions, Ege Bölgesi Ormanlarında Yayılış Gösteren Bazı Tıbbi Bitkilerin Kolon, Ovaryum ve Meme Kanseri Hücrelerinde Anti-Kanser Etkilerinin ve Kanser Mortalitesinde Etkili Enfeksiyonlara Karşı Aktivitesinin Araştırılması, 2023 - 2025

Sade Memişoğlu A., Canlı K., Project Supported by Higher Education Institutions, Kanser hücrelerinde epitel mezenkimal plastisitenin epigenetik kökeni ve plastisiteye karayosunu özütlerinin etkisinin araştırılması, 2023 - 2024

Sade Memişoğlu A., TUBITAK Project, Kolon Kanseri Caco-2 Hücrelerinde Epitel-Mezenkimal Değişim İle Kemoterapötik

İlaç Direnci Kazanılmasının İlişkisinin Araştırılması, 2022 - 2023

Sade Memişoğlu A., TÜBİTAK Project, Kolon Karsinogenezinden Sorumlu Olan Epitel-Mezenkimal Değişim, Kök Hücre Farklılaşması ve Histon Metilasyonlarının Regülasyonunun Epigenetik Düzenlenmesinin Araştırılması, 2022 - 2023

SADE MEMİŞOĞLU A., CÖMERT Y., Project Supported by Higher Education Institutions, Örnek olaya dayalı öğrenme yönteminin öğretmen adaylarının genetik dersi öğrenme süreçlerine akademik başarılarına ve ders deneyimi algılarına etkisi, 2022 - 2023

SADE MEMİŞOĞLU A., Uysal A., Project Supported by Higher Education Institutions, Kolon kanseri farklılaşmasında kanser kök hücrelerinin araştırılması, 2021 - 2023

Sade Memişoğlu A., TÜBİTAK Project, Kolon Kanseri Hücrelerinin Mezenkimal-Epitel Dönüşümü Sürecinde Epigenetik Değişimlerin Araştırılması ve Bu Süreçte Polycomb Chromobox Proteinlerinin Rolü, 2020 - 2023

İlgaz Ç., Sade Memişoğlu A., Project Supported by Higher Education Institutions, Kolon kanseri hücrelerinin mezenkimal-epitel dönüşümü sürecinde epigenetik değişimlerin araştırılması, 2021 - 2022

Meuwissen R. L. J., TÜBİTAK Project, Küçük hücreli akciğer kanserine (KHAK) karşı ilaç direnci çalışmalarında, prelinik araç olarak fare modellerinin kullanılması, 2013 - 2016

Banerjee S., TÜBİTAK Project, Kolon kanseri hücrelerinde farklılaşmanın ICAM-1 ve VCAM-1'in regülasyonu üzerine etkisi, 2010 - 2013

## Metrics

Publication: 25

Citation (WoS): 151

Citation (Scopus): 178

H-Index (WoS): 6

H-Index (Scopus): 5