

## Lect. PhD EMRE ÇÖMLEKÇİ

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: ISA-2242-2023

ScopusID: 57194172943

Yoksis Researcher ID: 351229

### Education Information

Doctorate, Eskişehir Technical University, Institute Of Graduate Programs, Biology, Turkey 2017 - 2021

Postgraduate, Anadolu University, FEN BİLİMLERİ ENSTİTÜSÜ, BİYOLOJİ ANABİLİM DALI, Turkey 2016 - 2017

Undergraduate, Anadolu University, Fen Fakültesi, Biyoloji Bölümü, Turkey 2009 - 2014

### Certificates, Courses and Trainings

Health&Medicine, Uygulamalı Mikroskopi ve Görüntü Analizi Sertifikası, Maia Sağlık Ltd. Şti. Laboratuvarı, Hacettepe Teknokent Yerleşkesi, Ankara., 2020

Health&Medicine, Deney Hayvanları Kullanım Sertifikası (A Kategorisi), Eskişehir Osmangazi Üniversitesi Hayvan Deneyleri Yerel Etik Kurulu, 2019

Health&Medicine, Hücre Kültürü ve Sonrası Araştırma Yöntemleri Sertifikası, Ankara Yıldırım Beyazıt Üniversitesi-ACT Biyoteknoloji ve Danışmanlık, 2019

Health&Medicine, Leica EM Sample Preparation of Biological Materials Sertifikası, Acıbadem Mehmet Ali Aydınlar Üniversitesi, İstanbul, Türkiye., 2018

### Dissertations

Doctorate, Seramidaz inhibitörü aracılı sitotoksiste ile olası sinyal yolları bağlantısının kanser hücre dizilerinde incelenmesi, Eskişehir Technical University, Institute Of Graduate Programs, Biyoloji, 2021

Postgraduate, Yeni sentez edilen nano-karmofur bileşiğinin insan akciğer kanseri üzerindeki etkilerinin incelenmesi, Anadolu University, FEN BİLİMLERİ ENSTİTÜSÜ, BİYOLOJİ ANABİLİM DALI, 2017

### Research Areas

Life Sciences, Molecular Biology and Genetics, Molecular Biology of Cancer, Natural Sciences

### Academic Titles / Tasks

## Courses

Cancer and Nutrition, Undergraduate, 2024 - 2025

Embryology Information for Language and Speech Therapy, Undergraduate, 2023 - 2024

Research Methods in Health Sciences, Undergraduate, 2024 - 2025

Methods of Criminal Investigation, Associate Degree, 2023 - 2024

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

- I. **A 5-Fluorouracil Derivative: Carmofur as a New Potent Agent for Inhibition of Human Prostate and Breast Cancer Cell Lines**  
KUTLU H. M., Sezer C. V., KUŞ G., Comlekci E., IZGÖRDÜ H.  
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY TRANSACTION A-SCIENCE, vol.46, no.1, pp.13-20, 2022 (SCI-Expanded)
- II. **Toward stimulating apoptosis in human lung adenocarcinoma cells by novel nano-carmofur compound treatment**  
Comlekci E., KUTLU H. M., VEJSELOVA SEZER C.  
ANTI-CANCER DRUGS, vol.32, no.6, pp.657-663, 2021 (SCI-Expanded)
- III. **Characteristics of apoptosis induction in human breast cancer cells treated with a ceramidase inhibitor.**  
İZGÖRDÜ H., VEJSELOVA SEZER C., ÇÖMLEKÇİ E., KUTLU H. M.  
CYTOTECHNOLOGY, vol.72, no.6, pp.907-919, 2020 (SCI-Expanded)
- IV. **Comparative Study on Induction of Apoptosis in A549 Human Lung Adenocarcinoma Cells by C2 Ceramide or Ceranib-2**  
KUŞ G., KUTLU H. M., VEJSELOVA D., COMLEKCI E.  
PAKISTAN JOURNAL OF ZOOLOGY, vol.49, no.2, pp.591-598, 2017 (SCI-Expanded)

## Articles Published in Other Journals

- I. **In vitro therapy investigation for breast cancer by B13-chloroquine application**  
ÇÖMLEKÇİ E., KUŞ G., YAYLACI Ö. K.  
BIOLOGICAL DIVERSITY AND CONSERVATION, vol.17, no.2, pp.105-111, 2024 (Peer-Reviewed Journal)
- II. **Investigation of proapoptotic and anticancer effects mediated by intracellular ceramide changing dependent on ARN14974=BOC treatment in human non-small cell lung cancer**  
KUŞ G., VEJSELOVA SEZER C., YAYLACI Ö. K., ÇÖMLEKÇİ E., KUTLU H. M.  
BIOLOGICAL DIVERSITY AND CONSERVATION, vol.165, no.2, pp.36-48, 2023 (Peer-Reviewed Journal)
- III. **A new agent for the treatment of lung cancer: B13 loaded solid lipid nanoparticles**  
Comlekci E., Kutlu H. M., Veyselova Sezer C.  
Advances in Natural Sciences: Nanoscience and Nanotechnology, vol.11, no.4, 2020 (ESCI)
- IV. **Investigation of Carmofur-Derived Growth Suppression in Lung Cancer Cell**  
ÇÖMLEKÇİ E., VEJSELOVA SEZER C., KUTLU H. M.  
International Journal of Scientific Research in Biological Sciences, vol.7, no.6, pp.1-5, 2020 (Peer-Reviewed Journal)
- V. **Handling a Novel Nanoscale D-erythro-MAPP in Lung Cancer Treatment: An In vitro Cytotoxicity Research**  
ÇÖMLEKÇİ E., VEJSELOVA SEZER C., KUTLU H. M.  
International Journal of Scientific Research in Biological Sciences, vol.7, no.4, pp.14-18, 2020 (Peer-Reviewed)

Journal)

- VI. **Investigation of D-e-MAPP-derived Cytotoxicity on Human Prostate Cancer Cells**  
ÇÖMLEKÇİ E., VEJSELOVA SEZER C., KUTLU H. M.  
Bilecik Şeyh Edebali Üniversitesi Fen Bilimleri Dergisi, vol.6, pp.204-212, 2019 (Peer-Reviewed Journal)
- VII. **Ellajik Asidin İnsan Akciğer Kanseri Üzerine Antiproliferatif Etkinliklerinin İn Vitro Araştırılması**  
ÇÖMLEKÇİ E., KUTLU H. M., VEJSELOVA SEZER C.  
Bilecik Şeyh Edebali Üniversitesi Fen Bilimleri Dergisi, vol.6, no.2, pp.397-403, 2019 (Peer-Reviewed Journal)

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

- I. **A Study on Inducing Cytotoxicity and Cell Death on Human Osteosarcoma Cells by N-Oleylethanolamine Application.**  
Veyselova Sezer C., Çömlekçi E., Kutlu H. M.  
9th INTERNATIONAL MOLECULAR BIOLOGY AND BIOTECHNOLOGY CONGRESS, Kars, Turkey, 06 December 2020, pp.44
- II. **Inhibition of Lung Cancer Cells with a Ceramidase Inhibitor.**  
VEJSELOVA SEZER C., ÇÖMLEKÇİ E., KUTLU H. M.  
9th INTERNATIONAL MOLECULAR BIOLOGY AND BIOTECHNOLOGY CONGRESS, Kars, Turkey, 06 December 2020, pp.98
- III. **Bir seramidaz inhibitörü olan N-Oleylethanolamine bileşiğinin A549 ve Beas-2B hücreleri üzerindeki sitotoksik ve morfolojik değişimlerinin araştırılması**  
ÇÖMLEKÇİ E., VEJSELOVA SEZER C., KUTLU H. M., KORKMAZ O. T.  
1st INTERNATIONAL MULTIDISCIPLINARY CANCER RESEARCH CONGRESS, Diyarbakır, Turkey, 18 September 2019, pp.64
- IV. **İNSAN MEME KANSERİ HÜCRELERİNDE D-erythro-MAPP'ın ANTİKANSER ÖZELLİKLERİNİN ARAŞTIRILMASI**  
VEJSELOVA SEZER C., ÇÖMLEKÇİ E., KUTLU H. M.  
1st INTERNATIONAL MULTIDISCIPLINARY CANCER RESEARCH CONGRESS, Diyarbakır, Turkey, 18 September 2019, pp.87
- V. **Evaluation of the cytotoxicity of D-erythro-MAPP nanoparticle formulation on human lung cancer.**  
ÇÖMLEKÇİ E., VEJSELOVA SEZER C., KUTLU H. M.  
2nd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2019), Ankara, Turkey, 28 June 2019, pp.461
- VI. **A ceramidase inhibitor-nanoparticle formulation cause cell death an cytotoxicity on human breast cancer cells.**  
VEJSELOVA SEZER C., KUTLU H. M., ÇÖMLEKÇİ E.  
2nd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2019), Ankara, Turkey, 28 June 2019, pp.460
- VII. **Investigation of anti-cancer of D-erythro-MAPP in human prostate cancer cells**  
VEJSELOVA SEZER C., ÇÖMLEKÇİ E., KUTLU H. M.  
2nd International Eurasian Conference on Biological and Chemical Sciences(EurasianBioChem 2019), Ankara, Turkey, 28 June 2019, pp.462
- VIII. **İnsan meme kanseri hücrelerine karşı karmofurun antikanser gücü**  
ÇÖMLEKÇİ E., KUTLU H. M., VEJSELOVA SEZER C.  
MOKAD 7. Multidisipliner Kanser Araştırma ve 1. Temel Onkoloji Kongresi, 11-14 Ekim 2018, İzmir, Türkiye., İzmir, Turkey, 11 October 2018, pp.141-145
- IX. **Karmofur-KLN formülasyonunun insan akciğer kanseri üzerindeki etkilerinin araştırılması**  
ÇÖMLEKÇİ E., KUTLU H. M., VEJSELOVA SEZER C.  
MOKAD 7. Multidisipliner Kanser Araştırma ve 1. Temel Onkoloji Kongresi, İzmir, Turkey, 11 October 2018
- X. **İnsan meme kanseri hücrelerine karşı karmofurun antikanser gücü**

ÇÖMLEKÇİ E., KUTLU H. M., SEZER C. V., KUŞ G.

7. MULTİDİSİPLİNER KANSER ARAŞTIRMA KONGRESİ, 11 - 14 October 2018, pp.141

- XI. **Karmofurun prostat kanseri hücrelerine karşı antikanser özelliklerinin araştırılması**  
ÇÖMLEKÇİ E., KUTLU H. M., VEJSELOVA SEZER C.  
MOKAD 7. Multidisipliner Kanser Araştırma ve 1. Temel Onkoloji Kongresi, 11-14 Ekim 2018, İzmir, Türkiye, İzmir, Turkey, 11 October 2018
- XII. **Evaluation the cytotoxic effect of carmofur on MCF7 human breast cancer cell line**  
KUTLU H. M., ÇÖMLEKÇİ E., İZGÖRDÜ H., VEJSELOVA SEZER C., KUŞ G.  
EACR25, 30 July - 03 August 2018, pp.48
- XIII. **Evaluation The Cytotoxic Effect of Carmofur on MCF-7 Human Breast Cancer Cell Line**  
ÇÖMLEKÇİ E., KUŞ G., VEJSELOVA SEZER C., KUTLU H. M.  
EACR25 Conference: 25th Biennial Congress of the European Association for Cancer Research, Amsterdam, Netherlands, 30 June 2018
- XIV. **Investigation of the Cytotoxicity of B13 on Human Lung Adenocarcinoma Cells**  
KUTLU H. M., VEJSELOVA SEZER C., ÇÖMLEKÇİ E.  
ICHC-2017 15th International Congress of Histochemistry and Cytochemistry, Antalya, Turkey, 18 May 2017
- XV. **Analysing the Cytotoxic Effects of Oleuropein on A549 Human Lung Adenocarcinoma Cells**  
ÇÖMLEKÇİ E., KUTLU H. M., VEJSELOVA SEZER C.  
ASCB Annual Meeting-Cell Biology 2016, San Francisco, California, United States Of America, 03 December 2016
- XVI. **Growth Inhibition and Induction of Programmed Cell Death In Human Lung Adenocarcinoma Cancer Cells By Short Term Carmofur Treatment**  
ÇÖMLEKÇİ E., KUTLU H. M., VEJSELOVA SEZER C., KUŞ G.  
MOKAD 6. Multidisipliner Kanser Araştırma Kongresi, Konya, Turkey, 27 October 2016
- XVII. **Growth inhibition and induction of programmed cell death in human lung adenocarcinoma cancer cells by short term carmofur treatment**  
KUTLU H. M., DJANAN V., ÇÖMLEKÇİ E., KUŞ G.  
6. Multidisipliner Kanser Araştırma Kongresi, 27 - 30 October 2016
- XVIII. **Investigation Of Carmofur Induced Ultrastructural Changes On Human Lung Adenocarcinoma Cells**  
ÇÖMLEKÇİ E., KUTLU H. M., VEJSELOVA SEZER C.  
1st International Cell Death Research Congress, İzmir, Turkey, 04 May 2016

## Supported Projects

Kutlu H. M., Çömlekçi E., Çömlekçi E., Project Supported by Higher Education Institutions, Seramidaz İnhibitörü Aracılı Sitotoksiste İle Olası Sinyal Yolakları Bağlantısının Kanser Hücre Dizilerinde İncelenmesi, 2020 - 2022

Kutlu H. M., Çömlekçi E., Veyselova Sezer C., Project Supported by Higher Education Institutions, Seramidaz İnhibitörlerinin Akciğer Kanseri Üzerindeki Morfolojik Etkileri, 2019 - 2020

Kutlu H. M., Çömlekçi E., TUBITAK Project, Bir Seramidaz İnhibitörü Olan B13 ve Nano Formunun, Akciğer Kanseri Hücrelerindeki Terapötik Rollerinin Araştırılması, 2019 - 2020

Kutlu H. M., Çömlekçi E., Project Supported by Higher Education Institutions, THE NEW SYNTHESIZED NANO CARMOFUR COMPOUND, TO EXAMINE THE EFFECTS ON HUMAN LUNG CANCER, 2016 - 2017

## Scientific Refereeing

BIOLOGICAL DIVERSITY AND CONSERVATION, National Scientific Refreed Journal, March 2024

## Scientific Consultations

TÜBİTAK, Project Consultancy, Anadolu University, AR-GE VE İNOVASYON KOORDİNASYON BİRİMİ (ARİNKOM), Turkey, 2024 - Continues

## **Congress and Symposium Activities**

9th International Molecular Biology and Biotechnology Congress, Attendee, Kars, Turkey, 2020  
MOKAD 1st International Multidisciplinary Cancer Research Congress, Attendee, Diyarbakır, Turkey, 2019  
MOKAD 1st International Multidisciplinary Cancer Research Congress, Attendee, Diyarbakır, Turkey, 2019  
2nd International Eurasian Conference on Biological and Chemical Sciences, Attendee, Ankara, Turkey, 2019  
2nd International Eurasian Conference on Biological and Chemical Sciences, Attendee, Ankara, Turkey, 2019  
2nd International Eurasian Conference on Biological and Chemical Sciences , Attendee, Ankara, Turkey, 2019  
MOKAD 7. Multidisipliner Kanser Araştırma ve 1. Temel Onkoloji Kongresi, Attendee, İzmir, Turkey, 2018  
MOKAD 7. Multidisipliner Kanser Araştırma ve 1. Temel Onkoloji Kongresi, Attendee, İzmir, Turkey, 2018  
15th International Congress of Histochemistry and Cytochemistry, Attendee, Antalya, Turkey, 2017  
15th International Congress of Histochemistry and Cytochemistry, Attendee, Antalya, Turkey, 2017  
ASCB Annual Meeting, Attendee, California, United States Of America, 2016  
MOKAD 6. Multidisipliner Kanser Araştırma Kongresi, Attendee, Konya, Turkey, 2016  
MOKAD 6. Multidisipliner Kanser Araştırma Kongresi, Attendee, Konya, Turkey, 2016  
1st International Cell Death Research Congress, Attendee, İzmir, Turkey, 2016

## **Scholarships**

TUBİTAK, 2019 - 2021

YOK, 2017 - 2021

1002 - Short Term R&D Funding Program, TUBİTAK, 2019 - 2020