



# ELIF MERTOĞLU KAMALI

## ASST. PROF.

Email : elif.mertoglu@istanbul.edu.tr

Office Phone : [+90 212 455 5700](tel:+902124555700) Extension: 20385

International Researcher IDs

ORCID: 0000-0002-3606-4722

Publons / Web Of Science ResearcherID: A-9004-2018

ScopusID: 58045331500

Yoksis Researcher ID: 216994

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

- 1. Phytochemical profiling, in vitro biological activities, and in silico (molecular docking and absorption, distribution, metabolism, excretion, toxicity) studies of *Polygonum cognatum* Meissn**  
Akpınar R., YILDIRIM BAŞTEMUR G., BIÇAK B., ŞANLI N. Ö., MERTOĞLU KAMALI E., PEKMEZ M., KECEL GÜNDÜZ S., Percin oezkorucuklu S.  
JOURNAL OF SEPARATION SCIENCE, vol.47, 2024 (SCI-Expanded)
- 2. Novel vitamin K3 analogs containing 3-N-substituted aromatic and piperazine rings with selective in vitro anticancer activity against HeLa, U87 MG, and MCF-7 cells**  
Abdassalam A. F. S. H., DENİZ N. G., SAYIL M. Ç., ÖNAY UÇAR E., Mertoglu E., Arda N.  
MEDICINAL CHEMISTRY RESEARCH, vol.32, no.3, pp.475-484, 2023 (SCI-Expanded)
- 3. Hsp27, Hsp60, Hsp70, or Hsp90 depletion enhances the antitumor effects of resveratrol via oxidative and ER stress response in human glioblastoma cells**  
Önay Uçar E., Şengelen A., Mertoğlu Kamalı E.  
BIOCHEMICAL PHARMACOLOGY, vol.208, 2023 (SCI-Expanded)
- 4. Selective and oxidative stress-mediated cell death of MCF-7 cell line induced by terpinolene**  
Kig C., Mertoglu E., Caliskan A., Ağuş H. H., Ucar E. O., Guler V.  
BIOLOGIA, vol.76, no.9, pp.2757-2766, 2021 (SCI-Expanded)
- 5. Episodic psychosis, ataxia, motor neuropathy with pyramidal signs (PAMP syndrome) caused by a novel mutation in ADPRHL2 (AHR3)**  
Durmus H., Mertoglu E., Sticht H., Ceylaner S., Kulaksizoglu I. B., Hashemolhosseini S., Ucar E. O., Parman Y.  
NEUROLOGICAL SCIENCES, vol.42, no.9, pp.3871-3878, 2021 (SCI-Expanded)
- 6. Identification of natural compounds of Jurinea species by LC-HRMS and GC-FID and their bioactivities**  
Boke Sarikahya N., Sumer Okkali G., Celenk V. U., Mertoğlu E., Pekmez M., Arda N., Topcu G., Goren A. C.  
JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, vol.202, 2021 (SCI-Expanded)
- 7. Targeting Heat Shock Protein 27 (HspB1) in Glioblastoma Cells with the Combination of Resveratrol and Temozolomide**  
Mertoglu E., ÖNAY UÇAR E.  
UHOD-ULUSLARARASI HEMATOLOJİ-ONKOLOJİ DERGİSİ, vol.31, no.4, pp.221-229, 2021 (SCI-Expanded)
- 8. Synthesis and antiproliferative evaluation of some 1,4-naphthoquinone derivatives against human cervical cancer cells**

KAÇMAZ A., DENİZ N. G., AYDINLI S. G., Sayil C., Onay-Ucar E., Mertoglu E., Arda N.

OPEN CHEMISTRY, vol.17, no.1, 2019 (SCI-Expanded)

9. **Estimation of the Y-chromosomal short tandem repeat (Y-STR) mutation rates in Turkey**  
Mertoglu E., Filoglu G., Zorlu T., Bulbul O.  
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.43, no.2, pp.142-150, 2018 (SCI-Expanded)
10. **Viscum album L. Extracts Protects HeLa Cells against Nuclear and Mitochondrial DNA Damage**  
Onay-Ucar E., Erol O., Kandemir B., Mertoglu E., Karagoz A., Arda N.  
EVIDENCE-BASED COMPLEMENTARY AND ALTERNATIVE MEDICINE, vol.2012, 2012 (SCI-Expanded)

### Articles Published in Other Journals

1. **Dose-dependent cytotoxic and proliferative effects of Microcystis aeruginosa extract and its fractions on human endothelial cells**  
Kuşoğlu Gültekin S., Mertoğlu Kamalı E., Yılcıoğlu K., Arda E. Ş. N.  
Aquatic Research, vol.5, no.2, pp.117-128, 2022 (Peer-Reviewed Journal)
2. **Polymorphism of 17 Y-chromosome STR markers in Türkiye**  
Filoğlu Tüfek G., Altunçul H., Bülbül Ercan Ö., Mertoğlu E., Zorlu T., Rayimoğlu G., Cengiz S.  
Adli Tıp Dergisi, vol.30, no.3, pp.213-221, 2016 (Peer-Reviewed Journal)

### Books & Book Chapters

1. **Chapter 8: Fundamentals of siRNA Therapeutics and Their Efficacy in HSP-targeted Cancer Treatment**  
Şengelen A., Mertoğlu Kamalı E., Tibatan M. A., Çalışkan A., Anaç Ö., Öney Uçar E.  
in: Heat Shock Proteins (HSP) in Molecular and Cellular Biology of Human Diseases, Heat Shock Proteins Volume 28, Alexander A.A. Asea, Punit Kaur, Editor, Scientific Scholar LLC, New York, pp.85-99, 2023
2. **Exosomal Heat Shock Proteins in Cancer**  
Öney Uçar E., Mertoğlu Kamalı E., Kiyga E., Şengelen A., Pekmez M., Arda E. Ş. N.  
in: Heat Shock Proteins (HSP) in Cellular Communication and Signaling, Heat Shock Proteins Volume 26, Alexander A.A. Asea, Punit Kaur, Editor, Scientific Scholar LLC, New York, pp.139-152, 2023
3. **Therapeutic Drugs and Natural Products: The Effect of Suppressing Heat Shock Proteins (Hsp) in Brain Tumors**  
MERTOĞLU E., Şengelen A., Kiyga E., ÖNAY UÇAR E.  
in: Heat Shock Proteins in Neuroscience, Heat Shock Proteins Volume 20, Asea A.A.A., Kaur P., Editor, Springer-Verlag, Cham, pp.189-208, 2019
4. **Can Hsp Targeted Gene Therapy Be a New Hope for Gliomas?**  
ÖNAY UÇAR E., Şengelen A., Güngör E., MERTOĞLU E., PEKMEZ M., ARDA E. Ş. N.  
in: Heat Shock Proteins in Neuroscience, Heat Shock Proteins Volume 20, Asea A.A.A., Kaur P., Editor, Springer-Verlag, Cham, pp.209-230, 2019
5. **HSP70 in Human Diseases and Disorders**  
Öney Uçar E., Şengelen A., Mertoğlu E., Pekmez M., Arda E. Ş. N.  
in: Suppression of HSP70 Expression by Quercetin and Its Therapeutic Potential Against Cancer, Asea A.A.A., Kaur P., Editor, Springer, London/Berlin, Zug, pp.361-379, 2018

### Refereed Congress / Symposium Publications in Proceedings

1. **Evaluation of the cytotoxic effects of protein and peptide fractions from Microcystis aeruginosa**  
KUŞOĞLU GÜLTEKİN S., MERTOĞLU KAMALI E., YILANCIOĞLU K., ÖNAY UÇAR E., ARDA E. Ş. N.

2nd International Aquatic Biotechnology Symposium, İstanbul, Turkey, 13 October 2021

2. **Synthesis and Biological Activity of New Vitamin K3 (Menadione) Analogues**  
F. Sh Abdassalam A., Deniz N. G., Sayıl M. Ç., Önay Uçar E., Mertoğlu Kamalı E., Arda E. Ş. N.  
V. International Joint Science Congress of Materials & Polymers (ISCMP), Burdur, Turkey, 29 September - 01 October 2021, pp.87
3. **Evaluation of anticancer efficacy of temozolomide and resveratrol in human glioma cells**  
MERTOĞLU KAMALI E., ÖNAY UÇAR E.  
The 45th FEBS Congress, Ljubljana, Slovenia, 03 July 2021, vol.2, no.1, pp.8
4. **Targeting stress proteins in glioblastoma cells with the combination of resveratrol and temozolomide**  
MERTOĞLU E., ÖNAY UÇAR E.  
7th International Congress of the Molecular Biology Association of Turkey, İstanbul, Turkey, 27 - 29 September 2019, no.51, pp.114
5. **Terpinolene induces apoptosis in human breast cancer cell lines**  
Kıg C., Agus H. H., Güler V., Çalışkan A., MERTOĞLU E., ÖNAY UÇAR E.  
7th International Congress of the Molecular Biology Association of Turkey, İstanbul, Turkey, 27 - 29 September 2019, no.45, pp.109
6. **Investigation of cytotoxic activity of cerulenin and vitamin E combination in U87 glioma cell line**  
Uzunalioglu N., MERTOĞLU E., PEKMEZ M.  
7th International Congress of the Molecular Biology Association of Turkey, İstanbul, Turkey, 27 - 29 September 2019, no.42, pp.106
7. **Suppression of Hsp60 and Hsp70 increases the anti-tumor effects of resveratrol in human glioblastoma cells**  
Önay Uçar E., Şengelen A., Mertoğlu E., Pekmez M., Arda E. Ş. N.  
7th International Congress of the Molecular Biology Association of Turkey, İstanbul, Turkey, 27 - 29 September 2019, no.36, pp.100
8. **Chromatographic separation of peptides-proteins from *Microcystis aeruginosa***  
Kuşoğlu S., MERTOĞLU E., Yılcıoğlu K., ÖNAY UÇAR E., ARDA E. Ş. N.  
5th International Conference on Innovation in Science and Technology (ISTCONF), Barcelona, Spain, 7 - 09 December 2018, pp.6
9. **An approach to apoptotic effects of *Viscum album* extracts growing on different host trees in glioma**  
Güngör E., Önay Uçar E., Mertoğlu E.  
1st International Symposium on Graduate Research in Science Focus on Entrepreneurship and Innovation (ISGRS 2018), İstanbul, Turkey, 4 - 06 October 2018, pp.74
10. **Effects on stress proteins of *Viscum album* extracts in C6 glioma cells**  
Mertoğlu E., Önay Uçar E.  
1st International Symposium on Graduate Research in Science Focus on Entrepreneurship and Innovation (ISGRS 2018), İstanbul, Turkey, 4 - 06 October 2018, pp.207
11. **Rozmarinik Asit ve SiRNA-Aracılı Susturmanın Glioma Hücrelerinde Hsp27 Anlatımı Üzerine Etkileri**  
Şengelen A., MERTOĞLU E., ÖNAY UÇAR E.  
2. Ulusal Proteomik Kongresi, İstanbul, Turkey, 24 - 25 November 2017, no.16, pp.39
12. ***Viscum album* Extracts Downregulate the Expression Levels of Hsp27 in Brain Tumors**  
MERTOĞLU E., BILTEKİN S. N., ÖNAY UÇAR E.  
EACR-AACR- SIC Special Conference 2017, Floransa, Italy, 24 - 27 June 2017, no.365, pp.108
13. **Protective effects of *Sanicula europaea* extracts on nuclear DNA damage**  
ÖNAY UÇAR E., PEKMEZ M., MERTOĞLU E., DALYAN L., ARDA E. Ş. N.  
24th Biennial Congress of the European Association for Cancer Research, Manchester, United Kingdom, 9 - 12 July 2016, vol.61, no.1
14. **Determination of Y-STR Mutations Rates in Father-Son Duos**  
FİLOĞLU TÜFEK G., MERTOĞLU E., BÜLBÜL Ö., RAYİMOĞLU G., ALTUNÇUL H.  
World Forensic Festival 2014, Seoul, South Korea, 12 - 18 October 2014, vol.p 06-11, pp.495