

Res. Asst. PhD Elif MERTOĞLU

Personal Information

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Education Information

Doctorate, İstanbul Üniversitesi, Institute of Graduate Studies In Sciences, Moleküler Biyoloji Ve Genetik Anabilim Dalı, Turkey 2013 - 2019

Post Graduate, İstanbul Üniversitesi, Adli Tıp Enstitüsü, Fen Bilimleri Anabilim Dalı, Turkey 2009 - 2013

Under Graduate, İstanbul Üniversitesi, Faculty of Science, Moleküler Biyoloji ve Genetik Bölümü, Turkey 2005 - 2009

Certificates, Courses and Trainings

Health&Medicine, Kök Hücrede Standartlar Okulu, Kök Hücre ve Hücresel Tedaviler Derneği, 2019

Health&Medicine, Kanser Biyoenformatiğinde Yapay Zeka Kursu, İstinye Üniversitesi Moleküler Kanser Araştırma Merkezi (İSÜMKAM), 2019

Dissertations

Doctorate, Temozolomid ve Resveratrolün Glioma Hücrelerindeki Stres Proteinleri Üzerine Etkileri, Istanbul University, Institute of Graduate Studies In Sciences, Moleküler Biyoloji Ve Genetik Anabilim Dalı, 2019

Post Graduate, Türkiye'deki Y-STR Mutasyon Oranlarının Belirlenmesi, Istanbul University, Adli Tıp Enstitüsü, Fen Bilimleri Anabilim Dalı, 2013

Research Areas

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

Academic Titles / Tasks

Research Assistant, İstanbul Üniversitesi, Faculty of Science, Moleküler Biyoloji ve Genetik Bölümü, 2014 - Continues

Professional Experience

Araştırma Görevlisi Fakülte Temsilcisi, Istanbul University, Faculty Of Science, Moleküler Biyoloji Ve Genetik Bölümü, 2018 - Continues

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **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, 2019 (Journal Indexed in SCI)
- II. **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, pp.142-150, 2018 (Journal Indexed in SCI)
- III. **Suppression of HSP70 Expression by Quercetin and Its Therapeutic Potential Against Cancer**
Ucar E. O. , Sengelen A., Mertoglu E., Pekmez M., Arda N.
HSP70 IN HUMAN DISEASES AND DISORDERS, vol.14, pp.361-379, 2018 (Journal Indexed in SCI)
- IV. **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 : eCAM, vol.2012, pp.958740, 2012 (Journal Indexed in SCI Expanded)

Articles Published in Other Journals

- I. **Polymorphism of 17 Y-chromosome STR markers in Turkiye**
FİLOĞLU TÜFEK G., ALTUNÇUL H., BÜLBÜL ERCAN Ö., MERTOĞLU E., Zorlu T., RAYİMOĞLU G., CENGİZ S.
Adli Tıp Dergisi, vol.30, pp.213-221, 2016 (Other Refereed National Journals)

Books & Book Chapters

- I. **Therapeutic Drugs and Natural Products: The Effect of Suppressing Heat Shock Proteins (Hsp) in Brain Tumors**
MERTOĞLU E., Şengelen A., Kıyga 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
- II. **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
- III. **HSP70 in Human Diseases and Disorders**
Önay 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

- I. **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
- II. **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

- III. **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
- IV. **Terpinolene induces apoptosis in human breast cancer cell lines**
Kıř C., Ağıuş H. H. , Güler V., Çalıřkan 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
- V. **Chromatographic separation of peptides-proteins from Microcystis aeruginosa**
Kuřođlu S., MERTOĞLU E., Yılcıođlu K., ÖNAY UÇAR E., ARDA E. ř. N.
5th International Conference on Innovation in Science and Technology (ISTCONF), Barselona, Spain, 7 - 09 December 2018, pp.6
- VI. **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
- VII. **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
- VIII. **Rozmarinik Asit ve siRNA-Aracılı Susturmanın Glioma Hücrelerinde Hsp27 Anlatımı Üzerine Etkileri**
řengelen A., MERTOĞLU E., ÖNAY UÇAR E.
2. Ulusal Proteomik Kongresi, İstanbul, Turkey, 24 - 25 November 2017, no.16, pp.39
- IX. **Viscum album Extracts Downregulate the Expression Levels of Hsp27 in Brain Tumors**
MERTOĞLU E., Bıltekin S. N. , ÖNAY UÇAR E.
EACR-AACR- SIC Special Conference 2017, Floransa, Italy, 24 - 27 June 2017, no.365, pp.108
- X. **Protective effects of Sanicula europaea extracts on nuclear DNA damage**
ÖNAY UÇAR E., PEKMEZ M., MERTOĞLU E., Dalyan L., ARDA E. ř. N.
24th Biennial Congress of the European Association for Cancer Research, Manchester, United Kingdom, 9 - 12 July 2016, vol.61, no.1
- XI. **Determination of Y-STR Mutations Rates in Father-Son Duos**
FİLOĐLU TÜFEK G., MERTOĞLU E., BÜLBÜL Ö., RAYİMOĐLU G., ALTUNÇUL H.
World Forensic Festival 2014, Seoul, South Korea, 12 - 18 October 2014, vol.p 06-11, pp.495

Supported Projects

KARALI N. L. , ÖZSOY N., ARDA E. ř. N. , ANDAÇ Ö., KARABAĐ N., MERTOĞLU E., PEKMEZ M., Project Supported by Higher Education Institutions, Benzotiyazolin Artıđı Tařıyan Spiroindolinonlar: Sentez Yapı Tayini ve Biyolojik Etki Arařtırmaları, 2020 - Continues

MERTOĞLU E., ÖNAY UÇAR E., Project Supported by Higher Education Institutions, Bortezomib ve Resveratrolün Glioma Hücrelerindeki Stres Proteinleri Üzerine Etkileri, 2020 - Continues

ARDA E. ř. N. , PABUCCUOĐLU S. K. , PEKMEZ M., KAPLAN Ö., MERTOĞLU E., GÖK M. K. , GÖKÇE İ., Project Supported by Higher Education Institutions, Mcl-1 Protein İnhibitörü Yüklü Nanopartiküllerin Kanser Hücreleri Üzerindeki Sitotoksik ve Apoptotik Etkilerinin Arařtırılması, 2019 - Continues

ÖNAY UÇAR E., PEKMEZ M., MERTOĞLU E., GÜNGÖR E., řENGELEN A., ARDA E. ř. N. , Project Supported by Higher Education Institutions, Hsp-spesifik siRNA ve Antioksidan Ajan Kombine Terapisinin Beyin Tümör Hücreleri Üzerindeki Etkileri, 2018 - Continues

KARALI N. L. , BOZDAĞ M., NAESENS L., CİHAN ÜSTÜNDAĞ G., GÖKTAŞ F., APAYDIN Ç. B. , SUPURAN C. T. , VULLO D., CARTA F., STEVAERT A., et al., Project Supported by Higher Education Institutions, Sülfamoylfenil artığı taşıyan 1H-indol-2,3-dion 3-tiyosemikarbazon türevleri: Moleküler modelleme, sentez, yapı tayini, antikanser ve antiviral etki tayini, 2018 - Continues

ÖNAY UÇAR E., MERTOĞLU E., Project Supported by Higher Education Institutions, Temozolomid ve Resveratrolün Glioma Hücrelerindeki Stres Proteinleri Üzerine Etkileri, 2017 - 2019

ÖNAY UÇAR E., MERTOĞLU E., Project Supported by Higher Education Institutions, Farklı Konakçı Ağaçlarda Yaşayan Viscum album Bitki Ekstrelerinin Stres Proteinlerinin Ekspresyonları Üzerine Etkileri, 2017 - 2018

ÖNAY UÇAR E., TÜBİTAK Project, Bazı Bitkilerin Anti-bakteriyel ve Anti-viral Aktivitelerinin Araştırılması, 2014 - 2018

ÖNAY UÇAR E., PEKMEZ M., ARDA E. Ş. N. , DALYAN L., MERTOĞLU E., Project Supported by Higher Education Institutions, Protective Effects of Sanicula europaea Extracts on Nuclear DNA Damage, 2016 - 2016

FİLOĞLU TÜFEK G., MERTOĞLU E., Project Supported by Higher Education Institutions, Türkiye'deki Y-STR Mutasyon Oranlarının Belirlenmesi, 2011 - 2014

Memberships / Tasks in Scientific Organizations

Kök Hücre ve Hüresel Tedaviler Derneği, Member, 2018 - Continues

Moleküler Biyoloji Derneği, Member, 2017 - Continues

MOKAD (Moleküler Kanser Araştırma Derneği), Member, 2017 - Continues

EACR (European Association for Cancer Research), Member, 2017 - Continues

Türk Biyokimya Derneği, Member, 2016 - Continues

Invited Congress and Symposium Activities

7th International Congress of the Molecular Biology Association of Turkey, Attendee, İstanbul, Turkey, 2019

3. Kök Hücre ve Hüresel Tedaviler Kongresi (Joint meeting with ISSCA), Attendee, İstanbul, Turkey, 2019

1st International Symposium on Graduate Research in Science Focus on Entrepreneurship and Innovation (ISGRS 2018), Attendee, İstanbul, Turkey, 2018

Düzce - Bolu AR-GE Proje Pazarı, Attendee, İstanbul, Turkey, 2018

Thermo Fisher Scientific Days, Attendee, İstanbul, Turkey, 2017

Klinik Araştırma ve Veri: Teknoloji, Hız ve Yenilikçiliğin Ötesi, Attendee, İstanbul, Turkey, 2017

2. Ulusal Proteomik Kongresi, Attendee, İstanbul, Turkey, 2017

EACR-AACR-SIC 2017 Special Conference, Attendee, Florence, Italy, 2017

3. Etik Çalıştayı, Attendee, İstanbul, Turkey, 2017

ASM (The American Society for Microbiology) Virtual Workshop on Culture of Responsibility, Attendee, İstanbul, Turkey, 2017

ASM (The American Society for Microbiology) Virtual Workshop on The Art of Science Communication, Attendee, İstanbul, Turkey, 2017

Moleküler Kanser Zirvesi, Attendee, İstanbul, Turkey, 2017

TÜBİTAK 1000 Projeleri AR-GE Strateji Çalıştayı, Attendee, İstanbul, Turkey, 2016

Adli Genetik ve Hukuki Boyutu Sempozyumu, Attendee, İstanbul, Turkey, 2016

Beckman Coulter Cytoflex Tanıtım Toplantısı, Attendee, İstanbul, Turkey, 2015

Citations

Total Citations (WOS):17

h-index (WOS):3