

Asst. Prof. MUSTAFA ERGÜL

Personal Information

Email: mergul@cumhuriyet.edu.tr

Web: <https://avesis.cumhuriyet.edu.tr/mergul>

Education Information

Doctorate, Ankara Üniversitesi, Sağlık Bilimleri Enstitüsü, Biyokimya (Dr) (Eczacılık), Turkey 2013 - 2017

Post Graduate, Erciyes Üniversitesi, Sağlık Bilimleri Enstitüsü, Biyokimya (YI) (Tezli), Turkey 2009 - 2012

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Meme Kanseri Hücrelerinde Hsp70 İnhibisyonunun Antikanser Etkilerinin Araştırılması, Ankara Üniversitesi, Sağlık Bilimleri Enstitüsü, Biyokimya (Dr) (Eczacılık), 2017

Post Graduate, Akut egzersizde oksidan ve antioksidan parametrelerin araştırılması ve melatonin uygulamasının etkileri, Erciyes Üniversitesi, Sağlık Bilimleri Enstitüsü, Biyokimya (YI) (Tezli), 2012

Research Areas

Health Sciences

Academic Titles / Tasks

Assistant Professor, Sivas Cumhuriyet University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 2012 - Continues

Courses

Kanser Biyokimyası, Under Graduate, 2019 - 2020

Biyokimya Laboratuvar Bulgularının Değerlendirilmesi, Under Graduate, 2018 - 2019

Bilgisayar, Under Graduate, 2019 - 2020

Klinik Biyokimya, Under Graduate, 2019 - 2020

Araştırma Projesi Dersi - I, Under Graduate, 2019 - 2020

Araştırma Projesi Uygulama Dersi - II, Under Graduate, 2018 - 2019

Kanser Biyokimyası, Under Graduate, 2017 - 2018

Biyokimya Laboratuvar Bulgularının Değerlendirilmesi, Under Graduate, 2017 - 2018

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

- I. **The effects of salmon calcitonin on epileptic seizures, epileptogenesis, and postseizure hippocampal neuronal damage in pentylenetetrazole-induced epilepsy model in rats.**
Taskıran A. Ş. , Ozdemir E., Gumus E., Ergul M.
Epilepsy & behavior : E&B, vol.113, pp.107501, 2020 (Journal Indexed in SCI)
- II. **A specific inhibitor of polo-like kinase 1, GSK461364A, suppresses proliferation of Raji Burkitt's lymphoma cells through mediating cell cycle arrest, DNA damage, and apoptosis.**
Ergul M., Bakar-Ates F.
Chemico-biological interactions, pp.109288, 2020 (Journal Indexed in SCI Expanded)
- III. **The Effects of Proton Pump Inhibitors (Pantoprazole) on Pentylenetetrazole-Induced Epileptic Seizures in Rats and Neurotoxicity in the SH-SY5Y Human Neuroblastoma Cell Line**
TAŞKIRAN A. Ş. , ERGÜL M., GÜNEŞ H., Ozturk A., ŞAHİN B., ÖZDEMİR E.
CELLULAR AND MOLECULAR NEUROBIOLOGY, 2020 (Journal Indexed in SCI)
- IV. **Novel indole hydrazide derivatives: Synthesis and their antiproliferative activities through inducing apoptosis and DNA damage**
Kilic-Kurt Z., Acar C., ERGÜL M., Bakar-Ates F., Altuntas T. G.
ARCHIV DER PHARMAZIE, vol.353, 2020 (Journal Indexed in SCI)
- V. **Design, synthesis, and anticancer activity of novel 4-thiazolidinone-phenylaminopyrimidine hybrids**
Türe A., Ergül M., Ergül M., Altun A., Küçükgülzel İ.
MOLECULAR DIVERSITY, 2020 (Journal Indexed in SCI)
- VI. **Perturbation of HSP Network in MCF-7 Breast Cancer Cell Line Triggers Inducible HSP70 Expression and Leads to Tumor Suppression**
ERGÜL M., Aktan F., Yildiz M. T. , Tutar Y.
ANTI-CANCER AGENTS IN MEDICINAL CHEMISTRY, vol.20, pp.1051-1060, 2020 (Journal Indexed in SCI)
- VII. **Proteasome Inhibitor Carfilzomib Enhances the Anticancer Effect of Paclitaxel in MDA-MB-231 Breast Cancer Cells**
TERZİ H., ERGÜL M., ERGÜL M., ALTUN A., ŞENCAN M.
Indian Journal Of Pharmaceutical Sciences, 2019 (Journal Indexed in SCI Expanded)
- VIII. **RO3280: A Novel PLK1 Inhibitor, Suppressed the Proliferation of MCF-7 Breast Cancer Cells Through the Induction of Cell Cycle Arrest at G2/M Point**
ERGÜL M., Bakar-Ates F.
ANTI-CANCER AGENTS IN MEDICINAL CHEMISTRY, vol.19, pp.1846-1854, 2019 (Journal Indexed in SCI)
- IX. **Determination of inhibitory activities of enzymes, related to Alzheimer's disease and diabetes mellitus of plane tree (Platanus orientalis L.) extracts and their antioxidant, antimicrobial and anticancer activities**
Ucar E., ERUYGUR N., ATAŞ M., ERGÜL M., ERGÜL M., SÖZMEN F.
CELLULAR AND MOLECULAR BIOLOGY, vol.64, pp.13-19, 2018 (Journal Indexed in SCI)
- X. **Important Anti-Cancer Applications of Protein Based Nanoparticles**
ERGÜL M., ERGÜL M., TUTAR Y.
CURRENT PROTEOMICS, vol.10, pp.334-340, 2013 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Investigation of potential DNA damaging and apoptotic effects of PLK1 inhibitor SBE13 in breast cancer cell line MDA-MB-231**
ERGÜL M.
Cumhuriyet Science Journal, vol.41, pp.802-807, 2020 (Refereed Journals of Other Institutions)
- II. **The Effects of Diurnal Intermittent Fasting On Proinflammatory Cytokine, Oxidative Stress and Heat Shock Protein 70 Levels**
Taştumur Y., Ergül M., Taşkiran A. Ş. , Altun A., Ataseven H.
International Journal of Scientific and Technological Research, vol.6, pp.334-341, 2020 (Refereed Journals of Other

Institutions)

- III. **Determination of biological activity of *Tragopogon porrifolius* and *Polygonum cognatum* consumed intensively by people in Sivas**
Eruygur N., Ucar E., ATAŞ M., ERGÜL M., ERGÜL M., SÖZMEN F.
Toxicology Reports, vol.7, pp.59-66, 2020 (Refereed Journals of Other Institutions)
- IV. **Investigation of anti-epileptic mechanisms of 5HT1A receptor with pentylenetetrazole induced epilepsymodel in rats**
Şahin B., ÖZDEMİR E., TAŞKIRAN A. Ş. , GÜMÜŞ E., ERGÜL M.
Cumhuriyet Medical Journal, vol.41, pp.490-499, 2019 (Other Refereed National Journals)
- V. **Evaluation of Various Biological Activities of Endemic *Sideritis libanotica* Extracts**
ATAŞ M., ERUYGUR N., SÖZMEN F., ERGÜL M., ERGÜL M., AKPULAT H. A. , UÇAR SÖZMEN E.
Notulae Scientia Biologicae, vol.11, pp.210-217, 2019 (Refereed Journals of Other Institutions)
- VI. **Neuroprotective effect of astaxanthin (ATX) against cognitive impairment on PTZ-induced epileptic seizures in rats and against PTZ-induced neurotoxicity in SH-SY5Y human neuroblastoma cell culture**
KARADEMİR M., GÜMÜŞ E., TAŞTEMUR Y., ERGÜL M., ERGÜL M., KARABULUT S., AKKAYA R., AKKAYA B., TAŞKIRAN A. Ş.
Cumhuriyet Medical Journal, vol.41, pp.212-222, 2019 (Other Refereed National Journals)
- VII. **In vitro Evaluation of Chemical Composition and Various Biological Activities of *Ficus carica* Leaves Extracts**
ERGÜL M., ERGÜL M., ERUYGUR N., ATAŞ M., UÇAR SÖZMEN E.
TURKISH JOURNAL OF PHARMACEUTICAL SCIENCES, vol.16, pp.401-409, 2019 (Journal Indexed in ESCI)
- VIII. **Evaluation of Various Biological Activities of Endemic *Sideritis Libanotica* Extracts**
ATAŞ M., ERUYGUR N., SÖZMEN F., ERGÜL M., ERGÜL M., AKPULAT H. A. , UÇAR SÖZMEN E.
Notulae Scientia Biologicae, 2019 (Refereed Journals of Other Institutions)
- IX. **Evaluation of in vitro anticancer activity of wheat germ oil in MCF-7 breast cancer cell lines**
ERGÜL M., Bekele A. T. , TERZİ H., ALTUN A.
Cumhuriyet Medical Journal, 2019 (Other Refereed National Journals)
- X. **Protein Pump Inhibitors Esomeprazole and Pantoprazole Increase the Chemosensitivity of CML cells against Imatinib**
ERGÜL M., ERGÜL M.
Cumhuriyet Medical Journal 334, vol.40, pp.351-355, 2018 (Other Refereed National Journals)
- XI. **DEVELOPMENT OF CHITOSAN MICROPARTICLES FOR CONTROLLED RELEASE OF METOPROLOL TARTARATE**
DEMİRBOLAT G. M. , Yıldız C., ERGÜL M.
Cumhuriyet Medical Journal, vol.40, pp.334-345, 2018 (Other Refereed National Journals)
- XII. **Anticancer and antiangiogenic effects of methanol extracts of *Lonicera caprifolium* L on C6 rat glioma cells**
TURGUT N. H. , ALTUN A., KARA H., TEPE B., ERGÜL M., ERGÜL M., TUNCEL N. B. , YILMAZ TUNCEL N.
Cumhuriyet Medical Journal, vol.38, pp.6-19, 2016 (Other Refereed National Journals)
- XIII. **The Effects of Daily Repeated Magnetic Field on S Nitroso N acetyl DL penicillamine Induced Hyperalgesia**
ALTUN A., ERGÜL M., FİLİZ A. K. , PARLAK M., ERGÜL M., TEMİZ T.
Cumhuriyet Medical Journal, vol.36, pp.310-319, 2014 (Other Refereed National Journals)

Books & Book Chapters

- I. **V-ATPazların Yapısı, Fonksiyonları ve İnhibisyonu**
ERGÜL M.
in: Her Yönüyle Proton Pompaları ve Proton Pompa İnhibitörleri, Ataseven Hilmi, Ergül Merve, Editor, Sivas Cumhuriyet Üniversitesi Rektörlük Matbaası, Sivas, pp.27-34, 2020

II. Apoptoz (Programlı Hücre Ölümü) ve Kanserdeki Önemi

ERGÜL M.

in: Her Yönüyle Kanser, , Editor, Sivas Cumhuriyet Üniversitesi Rektörlük Matbaası, pp.209-216, 2020

Refereed Congress / Symposium Publications in Proceedings

- I. **Evaluation of Anticancer Activities of Pyrrolopyrimidine Derivatives and Molecular Docking Studies**
KILIÇ KURT Z., ERGÜL M.
International Conference on Research in Health Sciences, ICRHS 2020, 14 - 15 November 2020
- II. **THE ANTICANCER EFFECTS OF SOME PYRROLOPYRIMIDINE DERIVATIVES ON SEVERAL CANCER CELLS**
KILIÇ KURT Z., ERGÜL M.
International Health Sciences Conference (IHSC 2020), Turkey, 05 November 2020
- III. **Evaluation of Apoptotic Effect of PLK1 Inhibitor RO3280 on Hela Cells**
ERGÜL M.
1. Uluslararası Kansere Günleri (1. UKG), 19 - 21 September 2019
- IV. **Effects of Magnesium on Behavior, iNOS, nNOS and eNOS Expression in Male Rats Exposed to Anxiety**
ÇETİN A., KARABULUT S., TAŞKIRAN A. Ş., ERGÜL M., ÖZDEMİR E.
Federation of European Physiological Societies (FEPS) and the Italian Physiological Society (SIF), Bologna, Italy, 10 - 13 September 2019
- V. **Effects of Magnesium on Behavior, iNOS, nNOS and eNOS Expression in Male Rats Exposed to Anxiety**
ÇETİN A., Sebahattin K., TAŞKIRAN A. Ş., ERGÜL M., ÖZDEMİR E.
Federation of European Physiological Societies (FEPS) and the Italian Physiological Society (SIF), Bologna, Italy, 10 - 13 September 2019
- VI. **PLK1 İnhibitörü SBE13 hidroklorid'in nöroblastom hücrelerindeki apoptoz ve hücre döngüsü üzerine etkilerinin değerlendirilmesi**
ERGÜL M.
2. Ulusal Marmara Eczacılık Kongresi, Turkey, 14 - 16 November 2018
- VII. **Investigation of Synergistic Effect of Rho Kinase Inhibitor As 1892802 and Paclitaxel on Breast Cancer**
ERGÜL M.
TBS INTERNATIONAL BIOCHEMISTRY CONGRESS 2018, 29TH NATIONAL BIOCHEMISTRY CONGRESS, Muğla/Bodrum, Turkey, 26 - 30 October 2018
- VIII. **Various Biological Activities of Plane Tree (Platanus orientalis L.) Extracts**
SÖZMEN F., UÇAR SÖZMEN E., ERUYGUR N., ATAŞ M., ERGÜL M., ERGÜL M.
4th INTERNATIONAL CONGRESS ON APPLIED BIOLOGICAL SCIENCES (ICABS), Eskişehir, Turkey, 3 - 05 May 2018
- IX. **Bazı Proton Pompa İnhibitörlerinin Meme Kansere Hücrelerinin Kemosensitivitesi Üzerine Etkileri**
ERGÜL M.
15. Anadolu Gastroenteroloji Günleri, Turkey, 14 - 15 September 2018
- X. **Increased Anticancer Effects in Human Prostate Cancer By Combining VER-155008 and Cisplatin**
KUBİLAY V., ERGÜL M.
12th International Symposium on Pharmaceutical Sciences, 26 - 29 June 2018
- XI. **Increased Antileukemic Effects In Human Chronic Myeloid Leukemia By Combining Everolimus And Sunitinib**
ERGÜL M., ERGÜL M., TERZİ H., ALTUN A.
12th International Symposium on Pharmaceutical Sciences, 26 - 29 June 2018
- XII. **Cytotoxic Effects of PLK1 Inhibitors Ro3280 and SBE 13 Hydrochloride on Du 145 and SH-SY5Y Cell Lines**
ERGÜL M., ERGÜL M., ALTUN A.
12th International Symposium on Pharmaceutical Sciences, 26 - 29 June 2018

- XIII. **Cytotoxic Effects of PLK1 Inhibitors Ro3280 and SBE 13 Hydrochloride on Breast Cancer Cells MDA-MB-231**
ERGÜL M., ERGÜL M., ALTUN A.
12th International Symposium on Pharmaceutical Sciences, 26 - 29 June 2018
- XIV. **Evaluation of In Vitro Anticancer Activity of Veronica Officinalis Leaves Extracts on Breast Cancer Cells MDA-MB-231**
ERGÜL M., ERGÜL M., ERUYGUR N.
12th International Symposium on Pharmaceutical Sciences, 26 - 29 June 2018
- XV. **Hsp70 Inhibitor MKT-077 Enhances The Anticancer Effect of Paclitaxel in MDA-MB-231 Cell Lines**
ERDAŞ B., ERGÜL M.
12th International Symposium on Pharmaceutical Sciences, 26 - 29 June 2018
- XVI. **A Hybrid Approach for the Design, Synthesis and Anticancer Activity of Phenylaminopyrimidine Core Containing 2-Imino-4-thiazolidinone Derivatives**
DEMİRCİ A., ERGÜL M., ERGÜL M., ALTUN A., KÜÇÜKGÜZEL İ.
5th Bahçeşehir University Drug Design Congress, 19 October 2017
- XVII. **Site-directed mutations on Hsp70 NBD decrease the protein folding function**
ERGÜL M., AKTAN F., TUTAR Y.
2nd Gazi Pharma Symposium Series, 11 - 13 October 2017
- XVIII. **Hsp70 inhibitor PES, down-regulate several cancer-related genes on breast cancer cells**
ERGÜL M., AKTAN F., TUTAR Y.
2nd Gazi Pharma Symposium Series, 11 - 13 October 2017
- XIX. **Cytotoxic effects of Hsp70 inhibitors MKT-077 and VER-155008 on breast cancer cells MCF-7**
ERGÜL M., AKTAN F., TUTAR Y.
2nd Gazi Pharma Symposium Series, 11 - 13 October 2017
- XX. **DESIGN, SYNTHESIS AND ACTIVITY OF SOME NOVEL PHARMACOPHORIC PHENYLAMINOPYRIMIDINE CORE CONTAINING 5-ARYLIDENE-2-ARYLIMINO-4-THIAZOLIDINONE DERIVATIVES TARGETING NEUROBLASTOMA CANCER CELLS**
DEMİRCİ A., ERGÜL M., ERGÜL M., ALTUN A., KÜÇÜKGÜZEL İ.
GPSS2017: 2nd Gazi Pharma Symposium Series, 11 - 13 October 2017
- XXI. **C6 sıçan glioma hücreleri üzerinde Lonicera caprifolium L. metanol ekstraktlarının anti-kanser ve anti-anjiyogenik etkileri**
TURGUT N. H. , ALTUN A., KARA H., TEPE B., ERGÜL M., ERGÜL M., TUNCEL N. B. , YILMAZ TUNCEL N.
23. ULUSAL FARMAKOLOJİ KONGRESİ, Turkey, 7 - 10 September 2015
- XXII. **C6 SIÇAN GLİOMA HÜCRELERİ ÜZERİNDE LONİCERA CAPRİFOLİUM L METANOL EKSTRAKTLARININ ANTİ KANSER VE ANTİ ANJİOGENİK ETKİLERİ**
TURGUT N. H. , ALTUN A., KARA H., TEPE B., ERGÜL M., ERGÜL M., TUNCEL N. B. , YILMAZ TUNCEL N.
23. ULUSAL FARMAKOLOJİ KONGRESİ, Ankara, Turkey, 7 - 10 September 2015, pp.386
- XXIII. **Synthesis, Characterization, Cytotoxic Potential on L929, and Antiproliferative Activity on T98G, of Poly(maleic anhydride-co-vinyl acetate)/cis-Platin Conjugate.**
KARAKUŞ G., ERGÜL M.
2 nd international bau-drug design symposium, 17 April 2014
- XXIV. **Thymus herba barona türünün fenolik asit içeriğinin sitotoksik ve DNA koruyucu aktivitelerinin araştırılması**
ERGÜL M., BERK Ş., ERGÜL M., BALTAŞ H., ALTUN A.
22. Ulusal Farmakoloji Kongresi, Antalya, Turkey, 4 - 07 November 2013
- XXV. **Punica granatum ve Olea europoea türlerinin sitotoksik etkilerinin araştırılması**
ERGÜL M., ERGÜL M., BERK Ş., BALTAŞ H., ALTUN A.
22. Ulusal Farmakoloji Kongresi, Antalya, Turkey, 4 - 07 November 2013
- XXVI. **Punica granatum ve Olea europoea türlerinin fenolik asit içeriğinin ve DNA koruyucu aktivitelerinin araştırılması**
BERK Ş., ERGÜL M., ERGÜL M., BALTAŞ H., ALTUN A.

22. Ulusal Farmakoloji Kongresi, Antalya, Turkey, 4 - 07 November 2013

XXVII. Lycopodium clavatum türünün fenolik asit içeriğinin sitotoksik ve DNA koruyucu aktivitelerinin araştırılması

BERK Ş., ERGÜL M., ERGÜL M., BALTAŞ H., ALTUN A.

22. Ulusal Farmakoloji Kongresi, Antalya, Turkey, 4 - 07 November 2013

XXVIII. Thymus herba barona türünün sitotoksik ve DNA koruyucu aktivitelerinin araştırılması

ERGÜL M., BERK Ş., ERGÜL M., BALTAŞ H.

25. Ulusal Biyokimya Kongresi, İzmir, Turkey, 3 - 06 September 2013

XXIX. Origanum syriacum ve Salvia tomentosa türlerinin sitotoksik ve DNA koruyucu aktivitelerinin araştırılması

ERGÜL M., BERK Ş., ERGÜL M., BALTAŞ H., TUTAR Y.

25. Ulusal Biyokimya Kongresi, İzmir, Turkey, 3 - 06 September 2013

Supported Projects

ERGÜL M., ALTUN A., Project Supported by Higher Education Institutions, Karfilzomib ile Sisplatin Kombinasyonunun Nöroblastom Hücreleri Üzerindeki Olası Sinerjik Etkisinin Araştırılması, 2019 - Continues

ERGÜL M., Project Supported by Higher Education Institutions, DR (Death receptor) ve Bcl-2 protein aracılı ajanların apoptotik etkilerinin meme ve prostat kanser türlerinde araştırılması, 2017 - Continues

ERGÜL M., ALTUN A., Project Supported by Higher Education Institutions, İmatinib benzeri tirozin kinaz inhibitörlerinin K562 lösemi hücre hattında hücre döngüsü, DNA hasarı ve apoptoz üzerine etkilerinin araştırılması, 2017 - 2018

ERGÜL M., ALTUN A., Project Supported by Higher Education Institutions, PLK1 inhibitörü ajanların meme ve beyin kanseri hücreleri üzerindeki antikanser etkilerinin araştırılması, 2017 - 2017

ERGÜL M., Project Supported by Higher Education Institutions, Meme Kanseri Hücrelerinde Hsp70 İnhibisyonunun Anti Kansere Etkilerinin Araştırılması, 2015 - 2017

BOSTANCI H. E., YILDIRIM Ş., KILIÇKAYA O., ERGÜL M., Project Supported by Higher Education Institutions, Prostat Kanseri Üzerinde Siklosporin A'nın Apoptotik Etki Mekanizması, 2013 - 2016

Activities in Scientific Journals

Biochemistry and Molecular Biology, Assistant Editor, 2020 - Continues

Open Access Journal of Pharmaceutical Research (OAJPR), Assistant Editor, 2020 - Continues

Scientific Refereeing

3 BIOTECH, SCI Journal, June 2020

Project Supported by Higher Education Institutions, BAP Research Project, Sivas Cumhuriyet University, Turkey, April 2019

NATURAL PRODUCT RESEARCH, SCI Journal, June 2018

Citations

Total Citations (WOS):3

h-index (WOS):1