

## Assoc. Prof. MUSTAFA ERGÜL

### Personal Information

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### International Researcher IDs

ORCID: 0000-0003-4303-2996

ScopusID: 56616896500

Yoksis Researcher ID: 60482

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Meme Kanseri Hücrelerinde Hsp70 İnhibisyonunun Antikanser Etkilerinin Araştırılması, Ankara University, Biyokimya (Dr) (Eczacılık), 2017

### Research Areas

Health Sciences

### Academic Titles / Tasks

Associate Professor, Sivas Cumhuriyet University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 2021 - Continues

Assistant Professor, Sivas Cumhuriyet University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 2019 - 2021

Research Assistant, Sivas Cumhuriyet University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 2012 - 2017

### Courses

Biyokimya Laboratuvarı, Undergraduate, 2021 - 2022

Kanser ve Terapötik Hedefler, Postgraduate, 2021 - 2022

Biyokimya I, Undergraduate, 2020 - 2021

Biyokimya II, Undergraduate, 2019 - 2020

Besin Kimyası, Undergraduate, 2020 - 2021

Kanser Biyokimyası, Undergraduate, 2019 - 2020

Biyokimya Laboratuvar Bulgularının Değerlendirilmesi, Undergraduate, 2018 - 2019

Bilgisayar, Undergraduate, 2019 - 2020

Klinik Biyokimya, Undergraduate, 2019 - 2020

Araştırma Projesi Dersi - I, Undergraduate, 2019 - 2020

Araştırma Projesi Uygulama Dersi - II, Undergraduate, 2018 - 2019

Kanser Biyokimyası, Undergraduate, 2017 - 2018

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

- I. **Tannic acid protects neuroblastoma cells against hydrogen peroxide – triggered oxidative stress by suppressing oxidative stress and apoptosis**  
YULAK F., ERGÜL M.  
Brain Research, vol.1844, 2024 (SCI-Expanded)
- II. **All-in-One Nanohybrids Combining Sonodynamic Photodynamic and Photothermal Therapies**  
Taydas D., Özler M. E., ERGÜL M., ŞAHİN İNAN Z. D., SÖZMEN F.  
ACS Applied Materials and Interfaces, vol.16, no.33, pp.43387-43399, 2024 (SCI-Expanded)
- III. **The mechanism of anticancer effects of some pyrrolopyrimidine derivatives on HT-29 human colon cancer cells**  
ERGÜL M., KILIÇ KURT Z., Aka Y., Kutuk O., ŞAHİN İNAN Z. D.  
Toxicology in Vitro, vol.95, 2024 (SCI-Expanded)
- IV. **The effect of magnesium sulfate on memory and anxiety-like behavior in a rat model: an investigation of its neuronal molecular mechanisms**  
Cetin A., Özdemir E., Gølgeli A., Taşkıran A. Ş., Karabulut S., Ergül M., Gumus E., Durna Daştan S.  
Neurological Research, vol.46, no.8, pp.752-762, 2024 (SCI-Expanded)
- V. **Mechanism of anticancer effect of ETP-45658, a PI3K/AKT/mTOR pathway inhibitor on HT-29 Cells**  
YULAK F., FİLİZ A. K., JOHA Z., ERGÜL M.  
Medical Oncology, vol.40, no.12, 2023 (SCI-Expanded)
- VI. **GSK461364A suppresses proliferation of gastric cancer cells and induces apoptosis**  
Ataseven D., Taştumur Ş., YULAK F., KARABULUT S., ERGÜL M.  
Toxicology in Vitro, vol.90, 2023 (SCI-Expanded)
- VII. **A Novel 6,8,9-Trisubstituted Purine Analogue Drives Breast Cancer Luminal A Sub-type MCF-7 to Apoptosis and Senescence through Hsp70 Inhibition**  
KUL P., TUNÇBİLEK M., ERGÜL M., Tunoglu E. N. Y., Tutar Y.  
Anti-Cancer Agents in Medicinal Chemistry, vol.23, no.5, pp.585-598, 2023 (SCI-Expanded)
- VIII. **ISATIN/THIOSEMICARBAZONE HYBRIDS: FACILE SYNTHESIS, AND THEIR EVALUATION AS ANTI-PROLIFERATIVE AGENTS AND METABOLIC ENZYME INHIBITORS**  
Yakan H., Azam M., Kansiz S., Muđlu H., ERGÜL M., Taslimi P., KOÇYİĞİT Ü. M., Karaman M., Al-Resayes S. I., Min K.  
Bulletin of the Chemical Society of Ethiopia, vol.37, no.5, pp.1221-1236, 2023 (SCI-Expanded)
- IX. **Potential thiosemicarbazone-based enzyme inhibitors: Assessment of antiproliferative activity, metabolic enzyme inhibition properties, and molecular docking calculations**  
Yakan H., KOÇYİĞİT Ü. M., Muđlu H., ERGÜL M., ERKAN S., Guzel E., Taslimi P., GÜLÇİN İ.  
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, vol.36, no.5, 2022 (SCI-Expanded)
- X. **Captopril exhibits protective effects through anti-inflammatory and anti-apoptotic pathways against hydrogen peroxide-induced oxidative stress in C6 glioma cells**  
ŞAHİN B., ERGÜL M.  
METABOLIC BRAIN DISEASE, vol.37, no.4, pp.1221-1230, 2022 (SCI-Expanded)
- XI. **p Critical Residues in Hsp70 Nucleotide Binding Domain for Challenges in Drug Design**  
ERGÜL M., AKTAN F., Tutar Y.  
CURRENT PROTEOMICS, vol.19, no.1, pp.83-90, 2022 (SCI-Expanded)
- XII. **The 5-HT7 receptor antagonist SB-269970 alleviates seizure activity and downregulates hippocampal c-Fos expression in pentylenetetrazole-induced kindled rats**  
ŞAHİN B., ÖZDEMİR E., Gumus E., ERGÜL M., TAŞKIRAN A. Ş.  
NEUROLOGICAL RESEARCH, vol.44, no.9, pp.786-796, 2022 (SCI-Expanded)
- XIII. **Synthesis of Multifunctional Organic Nanoparticles Combining Photodynamic Therapy and Chemotherapeutic Drug Release**

SÖZMEN F., Kucukoflaz M., ERGÜL M., ŞAHİN İNAN Z. D., Bozkurt Y., Taydas D.

MACROMOLECULAR RESEARCH, vol.30, no.1, pp.61-69, 2022 (SCI-Expanded)

- XIV. **The modulator action of thiamine against pentylenetetrazole-induced seizures, apoptosis, nitric oxide, and oxidative stress in rats and SH-SY5Y neuronal cell line**  
Taskiran A. Ş., Ergul M.  
CHEMICO-BIOLOGICAL INTERACTIONS, vol.340, 2021 (SCI-Expanded)
- XV. **Design, synthesis, and anticancer activity of novel 4-thiazolidinone-phenylaminopyrimidine hybrids**  
Türe A., Ergül M., Ergül M., Altun A., Küçükgülzel İ.  
MOLECULAR DIVERSITY, vol.25, no.2, pp.1025-1050, 2021 (SCI-Expanded)
- XVI. **Investigation of molecular mechanisms underlying the antiproliferative effects of colchicine against PC3 prostate cancer cells.**  
Ergul M., Bakar-Ates F.  
Toxicology in vitro : an international journal published in association with BIBRA, vol.73, pp.105138, 2021 (SCI-Expanded)
- XVII. **Nanoparticles with PDT and PTT synergistic properties working with dual NIR-light source simultaneously**  
SÖZMEN F., Kucukoflaz M., ERGÜL M., ŞAHİN İNAN Z. D.  
RSC ADVANCES, vol.11, no.4, pp.2383-2389, 2021 (SCI-Expanded)
- XVIII. **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, vol.41, no.1, pp.173-183, 2021 (SCI-Expanded)
- XIX. **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, vol.332, 2020 (SCI-Expanded)
- XX. **The effects of salmon calcitonin on epileptic seizures, epileptogenesis, and postseizure hippocampal neuronal damage in pentylenetetrazole-induced epilepsy model in rats.**  
Taskiran A. Ş., Ozdemir E., Gumus E., Ergul M.  
Epilepsy & behavior : E&B, vol.113, pp.107501, 2020 (SCI-Expanded)
- XXI. **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, no.8, 2020 (SCI-Expanded)
- XXII. **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, no.9, pp.1051-1060, 2020 (SCI-Expanded)
- XXIII. **Proteasome Inhibitor Carfilzomib Enhances the Anticancer Effect of Paclitaxel in MDA-MB-231 Breast Cancer Cells**  
TERZİ H., ERGÜL M., ALTUN A., ŞENCAN M.  
Indian Journal Of Pharmaceutical Sciences, 2019 (SCI-Expanded)
- XXIV. **R03280: 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, no.15, pp.1846-1854, 2019 (SCI-Expanded)
- XXV. **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., SÖZMEN F.  
CELLULAR AND MOLECULAR BIOLOGY, vol.64, no.11, pp.13-19, 2018 (SCI-Expanded)

## XXVI. Important Anti-Cancer Applications of Protein Based Nanoparticles

ERGÜL M., ERGÜL M., TUTAR Y.

CURRENT PROTEOMICS, vol.10, no.4, pp.334-340, 2013 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Unraveling the Role of Apoptosis in the Antiproliferative Activity of  $\beta$ -Glucan on A549 Cells**  
JOHA Z., ERGÜL M.  
CUMHURİYET SCIENCE JOURNAL, vol.44, pp.640-644, 2023 (Peer-Reviewed Journal)
- II. **T-type Calcium Channel Blocker, NNC 55-0396, Suppress Cell Proliferation and Promote Apoptosis in SNU-1 Gastric Cancer Cells**  
ERGÜL M.  
Cumhuriyet Science Journal, vol.44, no.2, pp.254-257, 2023 (Peer-Reviewed Journal)
- III. **Anticancer activity of Heat Shock Protein 70 (HSP70) Inhibitor, JG-98, against human cervical cancer HeLa and ovarian cancer SKOV-3 cells**  
YURTÇU N., Karademir D., ERGÜL M., ÇETİN A., TİNELLİ A.  
Medicine Science, vol.12, no.1, pp.20-25, 2023 (Peer-Reviewed Journal)
- IV. **Protective Effect of Metformin Alone or in Combination with Valproic acid on Pentylentetrazole-Induced Seizures in Mice**  
GÜMÜŞ E., ERGÜL M., GÜLMEZ K., ULU M., AKKAYA R., ÖZDEMİR E., TAŞKIRAN A. Ş.  
KSÜ Tıp Fakültesi Dergisi, vol.17, no.3, pp.15-21, 2022 (Peer-Reviewed Journal)
- V. **Investigation of the potential antitumor activity of PLK1 inhibitor SBE13 in colon cancer cell line HT29**  
GÖMEÇ M., YULAK F., ERGÜL M.  
Cumhuriyet Tıp Dergisi (ELEKTRONİK), vol.44, no.2, pp.218-222, 2022 (Peer-Reviewed Journal)
- VI. **2-Phenylethyl-1-Sulfonamide Derivatives as New Drugs Candidates for Heat Shock Protein 70 and Doublecortin-like Kinase**  
ERGÜL M., SAYIN K., ATASEVEN H.  
Turkish Computational and Theoretical Chemistry, vol.5, no.1, pp.1-12, 2021 (Scopus)
- VII. **The Protective Effect of Hydralazine against Hydrogen Peroxide (H<sub>2</sub>O<sub>2</sub>)-Induced Oxidative Damage in C6 Glial Cell Line**  
TAŞKIRAN A. Ş., ERGÜL M.  
Turkish Journal of Science and Health, vol.2, pp.8-15, 2021 (Peer-Reviewed Journal)
- VIII. **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, no.4, pp.802-807, 2020 (Peer-Reviewed Journal)
- IX. **The Effects of Diurnal Intermittent Fasting On Proinflammatory Cytokine, Oxidative Stress and Heat Shock Protein 70 Levels**  
Taştumur Y., Ergül M., Taşkıran A. Ş., Altun A., Ataseven H.  
International Journal of Scientific and Technological Research, vol.6, no.3, pp.334-341, 2020 (Peer-Reviewed Journal)
- X. **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 (ESCI)
- XI. **The Effects of Diurnal Intermittent Fasting On Proinflammatory Cytokine, Oxidative Stress and Heat Shock Protein 70 Levels**  
TAŞTEMUR Y., ERGÜL M., TAŞKIRAN A. Ş., ALTUN A., ATASEVEN H.  
International Journal of Scientific and Technological Research, 2020 (Peer-Reviewed Journal)

- XII. **Investigation of anti-epileptic mechanisms of 5HT1A receptor with pentylentetrazole induced epilepsymodel in rats**  
Şahin B., ÖZDEMİR E., TAŞKIRAN A. Ş., GÜMÜŞ E., ERGÜL M.  
Cumhuriyet Medical Journal, vol.41, no.3, pp.490-499, 2019 (Peer-Reviewed Journal)
- XIII. **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, no.2, pp.210-217, 2019 (Peer-Reviewed Journal)
- XIV. **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, no.4, pp.401-409, 2019 (ESCI)
- XV. **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**  
KARDEMİR M., GÜMÜŞ E., TAŞTEMUR Y., ERGÜL M., ERGÜL M., KARABULUT S., AKKAYA R., AKKAYA B., TAŞKIRAN A. Ş.  
Cumhuriyet Tıp Dergisi (ELEKTRONİK), vol.41, no.1, pp.212-222, 2019 (Peer-Reviewed Journal)
- XVI. **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 (Peer-Reviewed Journal)
- XVII. **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 (Peer-Reviewed Journal)
- XVIII. **Protein Pump Inhibitors Esomeprazole and Pantoprazole Increase the Chemosensitivity of CML cells against Imatinib**  
ERGÜL M., ERGÜL M.  
Cumhuriyet Medical Journal 334, vol.40, no.4, pp.351-355, 2018 (Peer-Reviewed Journal)
- XIX. **DEVELOPMENT OF CHITOSAN MICROPARTICLES FOR CONTROLLED RELEASE OF METOPROLOL TARTARATE**  
DEMİRBOLAT G. M., Yıldız C., ERGÜL M.  
Cumhuriyet Medical Journal, vol.40, no.4, pp.334-345, 2018 (Peer-Reviewed Journal)
- XX. **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, no.1, pp.6-19, 2016 (Peer-Reviewed Journal)
- XXI. **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, no.3, pp.310-319, 2014 (Peer-Reviewed Journal)

## Books

- I. **MİDE KANSERİ VE HÜCRE KÜLTÜRÜ**  
Şahin B., Ergül M.  
in: MİDE KANSERİ MULTİDİSİPLİNER BAKIŞ, ATASEVEN Hilmi, GÖMEÇ Muhammed, AYDIN Hüseyin, Editor, Sivas Cumhuriyet Üniversitesi Rektörlük Matbaası, Sivas, pp.215-226, 2022
- II. **PENTİLENTETRAZOL İLE OLUŞTURULAN DENEYSSEL EPİLEPSİ MODELLERİ**  
Şahin B., Ergül M.  
in: Sağlık ve Bilim 2022 Medikal Araştırmalar-1, Doç. Dr. Onur KARAMAN, Editor, Efeakademi Yayınları, Sivas, pp.213-224, 2022
- III. **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

## Refereed Congress / Symposium Publications in Proceedings

- I. **EVALUATION OF APOPTOTIC EFFECT OF PLK1 INHIBITOR RO3280 ON COLON CELLS**  
ERGÜL M., JOHA Z.  
3. INTERNATIONAL CANCER DAY (3rd ICD), Sivas, Turkey, 15 September 2022, pp.271-275
- II. **Investigation of Cytotoxic Effect of HSP70 Inhibitor JG- 98 on K562 Chronic Myeloid Leukemia Cells**  
DALKILIÇ F., YURTCU N., ERGÜL M.  
III. International Cancer Days, Sivas, Turkey, 15 - 17 September 2022
- III. **The Role of The Inflammatory Pathway in the Protective Effects of Captopril, an Angiotensin-Converting an Enzyme inhibitor, Against Hydrogen Peroxide-Induced Oxidative Stress in C6 Glioma Cells**  
ŞAHİN B., ERGÜL M.  
46. Ulusal Fiziyojji Kongresi, Turkey, 08 October 2021
- IV. **GSK461364A, A SPECIFIC INHIBITOR OF POLO-LIKE KINASE 1, SUPPRESSES PROLIFERATION OF SNU-1 CELLS THROUGH MEDIATING APOPTOSIS**  
Ataseven D., Taştumur Ş., YULAK F., ERGÜL M.  
II. International Cancer Days, 16 September 2021
- V. **INVESTIGATION OF APOPTOTIC EFFECT OF PLK1 INHIBITOR GSK461364A ON MDA-MB-231 CELL LINE**  
ERGÜL M., JOHA Z.  
II. International Cancer Days, Sivas, Turkey, 16 September 2021
- VI. **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
- VII. **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
- VIII. **Evaluation of Apoptotic Effect of PLK1 Inhibitor RO3280 on Hela Cells**  
ERGÜL M.  
1. Uluslararası Kanser Günleri (1. UKG), 19 - 21 September 2019
- IX. **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
- X. **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
- XI. **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
- XII. **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
- XIII. **Bazı Proton Pompa İnhibitörlerinin Meme Kanseri Hücrelerinin Kemosensitivitesi Üzerine Etkileri**  
ERGÜL M.  
15. Anadolu Gastroenteroloji Günleri, Turkey, 14 - 15 September 2018
- XIV. **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
- XV. **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
- XVI. **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
- XVII. **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
- XVIII. **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
- XIX. **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
- XX. **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, 3 - 05 May 2018
- XXI. **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
- XXII. **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
- XXIII. **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
- XXIV. **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
- XXV. **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
- XXVI. **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

**XXVII. 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

## **Supported Projects**

Taşkıran A. Ş., Şahin B., Altun A., Ergül M., Other International Funding Programs, Tıp Fakültesi Öğrencilerine Yönelik Hücre Kültürü Eğitim Programı, 2020 - 2022

Altun A., Ergül M., Project Supported by Higher Education Institutions, Karfilzomib ile Sisplatin Kombinasyonunun Nöroblastom Hücreleri Üzerindeki Olası Sinerjik Etkisinin Araştırılması, 2019 - 2021

Sözmen F., ERGÜL M., TÜBİTAK Project, Yeni Nesil PDT ve PTT Etkisine Sahip Nanopartiküllerin Tasarımı, Sentezi ve in-vitro Antikanser Özelliklerinin Belirlenmesi, 2019 - 2020

Ergül M., Ergül M., Kemerli M. Z., Project Supported by Higher Education Institutions, Investigation of the apoptotic effects of DR (Death receptor) and Bcl-2 protein-mediated agents in breast and prostate cancer cell lines, 2017 - 2019

Ergül M., Ergül M., Altun A., Project Supported by Higher Education Institutions, Investigation of the effects of imatinib-like tyrosine kinase inhibitors on cell cycle, DNA damage, and apoptosis in the K562 leukemia cell line., 2017 - 2019

ALTUN A., ERGÜL M., 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 Kanser Etkilerinin Araştırılması, 2015 - 2017

ERGÜL M., YILDIRIM Ş., BOSTANCI H. E., KILIÇKAYA O., 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, Committee Member, 2020 - Continues

Open Access Journal of Pharmaceutical Research (OAJPR), Committee Member, 2020 - Continues

## **Scientific Refereeing**

MEANDROS MEDICAL AND DENTAL JOURNAL, Journal Indexed in ESCI, September 2024

TOXICOLOGY IN VITRO, SCI Journal, August 2024

Journal of Gastrointestinal Oncology, SCI Journal, July 2024

MEDICAL ONCOLOGY, SCI Journal, August 2023

BMC Complementary Medicine and Therapies, SCI Journal, August 2023

NAUNYN-SCHMIEDEBERG'S ARCHIVES OF PHARMACOLOGY, SCI Journal, July 2023

SCIENTIFIC REPORTS, SCI Journal, May 2023

Discover Oncology, SCI Journal, April 2023

ANKARA UNIVERSİTESİ ECZACILIK FAKÜLTESİ DERGİSİ, National Scientific Refreed Journal, April 2023

MEDICAL ONCOLOGY, SCI Journal, February 2023

ONCOLOGY RESEARCH, SCI Journal, December 2022

JOURNAL OF RESEARCH IN PHARMACY, Journal Indexed in ESCI, October 2022

Cumhuriyet Science Journal, National Scientific Refreed Journal, August 2022

Project Supported by Other Official Institutions, University Of Health Sciences, Turkey, August 2022

JOURNAL OF GENE MEDICINE, SCI Journal, July 2022

NUTRITION AND CANCER-AN INTERNATIONAL JOURNAL, SCI Journal, October 2021

TURKISH JOURNAL OF BIOLOGY, SCI Journal, April 2021



Japanese Journal of Oncology and Clinical Research , Other Indexed Journal, April 2021

WORLD JOURNAL OF SURGICAL ONCOLOGY, SCI Journal, March 2021

3 BIOTECH, SCI Journal, June 2020

Cumhuriyet Science Journal, National Scientific Refreed Journal, March 2020

CUMHURİYET ÜNİV. TIP FAK. DERG., National Scientific Refreed Journal, February 2020

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

NATURAL PRODUCT RESEARCH, SCI Journal, June 2018

## **Metrics**

Publication: 85

Citation (WoS): 50

Citation (Scopus): 182

H-Index (WoS): 4

H-Index (Scopus): 8

## **Invited Talks**

Gastrik Kanser ve Hücre Kültürü, Conference, 2. INTERNATIONAL CANCER DAYS, Turkey, September 2021

## **Non Academic Experience**

Cumhuriyet Üniversitesi Eczacılık Fakültesi , Araştırma Görevlisi