

Lect. AYŞE MİNE YILMAZ GÖLER

Personal Information

Email: ayse.mine@marmara.edu.tr

Web: <https://avesis.marmara.edu.tr/ayse.mine>

International Researcher IDs

ScholarID: 7JcECAUAAAJ

ORCID: 0000-0003-0802-523X

Publons / Web Of Science ResearcherID: ABI-5796-2020

ScopusID: 55041802800

Yoksis Researcher ID: 250643

Education Information

Doctorate, Marmara University, Institute Of Health Sciences, Turkey 2010 - 2015

Postgraduate, Marmara University, Institute of Health Sciences, Turkey 2007 - 2010

Undergraduate, Istanbul University, Faculty Of Science, Turkey 2000 - 2005

Dissertations

Doctorate, Meme kanseri hücre hatlarında çay kaynaklı polifenollerin faz I ve faz II enzim aktiviteleri ile hücre ölüm mekanizmaları üzerine etkisi, Marmara Üniversitesi, Institute of Health Sciences, 2016

Postgraduate, Deneysel meme kanseri modelinde süt proteinlerinin koruyucu etkisi, Marmara Üniversitesi, Institute of Health Sciences, 2010

Research Areas

Natural Sciences

Academic Titles / Tasks

Lecturer, Marmara University, School of Medicine, Basic Medical Sciences, 2018 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

I. A novel high-efficiency transdermal patches for combinational therapy of Alzheimer's disease: Donepezil/vitamin B12-loaded nanofibers

Ertaş B., Onay I. N., Yılmaz Göler A. M., Karademir-Yılmaz B., Aslan I., Çam M. E.

Journal of Drug Delivery Science and Technology, vol.89, 2023 (SCI-Expanded)

II. Cytotoxic activity of quinolinequinones in cancer: In vitro studies, molecular docking, and ADME/PK profiling

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- Chemical Biology and Drug Design, vol.102, no.5, pp.1133-1154, 2023 (SCI-Expanded)
- III. **Analysis of Quinolinequinone Analogs with Promising Cytotoxic Activity against Breast Cancer**
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- IV. **Klorheksidinin İnsarı Dışı Fibroblastları Üzerindeki Hücre Canlılığı ve Sitotoksitesine Etkinliğinin İn vitro Koşullarda Değerlendirilmesi**
Bayraktar G., Yilmaz Goler A. M., Öztürk H.
METHODOLOGY EUROPEAN JOURNAL OF RESEARCH METHODS FOR THE BEHAVIORAL AND SOCIAL SCIENCES, vol.7, no.1, pp.27-32, 2023 (SSCI)
- V. **Efficacy of hypochlorous acid as an alternative oral antimicrobial agent on human gingival fibroblasts, Aggregatibacter actinomycetemcomitans, and Candida albicans biofilms in vitro**
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Biofouling, vol.39, no.9-10, pp.980-989, 2023 (SCI-Expanded)
- VI. **Ubiquitin proteasomal system is a potential target of the toxic effects of organophosphorus flame retardant triphenyl phosphate**
Jannuzzi A. T., Yilmaz Goler A. M., Alpertunga B.
Environmental Toxicology and Pharmacology, vol.96, 2022 (SCI-Expanded)
- VII. **Primary adrenal insufficiency in a patient with biallelic QRSL1 mutations**
Dursun F., Genc H. M., Yilmaz Goler A. M., Tas I., Eser M., Pehlivanoğlu C., Yilmaz B., Güran T.
EUROPEAN JOURNAL OF ENDOCRINOLOGY, vol.187, no.3, 2022 (SCI-Expanded)
- VIII. **In Vitro and In Silico Study to Assess Toxic Mechanisms of Hybrid Molecules of Quinone-Benzocaine as Plastoquinone Analogues in Breast Cancer Cells**
Goler A. M., Jannuzzi A. T., Bayrak N., Yildiz M., Yildirim H., Otsuka M., Fujita M., Radwan M. O., Tuyun A. F.
ACS OMEGA, vol.7, no.34, pp.30250-30264, 2022 (SCI-Expanded)
- IX. **Exploring the Anticancer Effects of Brominated Plastoquinone Analogs with Promising Cytotoxic Activity in MCF-7 Breast Cancer Cells via Cell Cycle Arrest and Oxidative Stress Induction**
Jannuzzi A. T., Yilmaz Goler A. M., Bayrak N., Yildiz M., Yildirim H., Yilmaz B., Shilkar D., Jayaprakash Venkatesan R., Jayaprakash V., Tuyun A. F.
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- X. **Combination of Second-Generation Proteasome Inhibitor Carfilzomib with Bortezomib in Four Different Breast Cancer Cell Lines**
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ANTI-CANCER AGENTS IN MEDICINAL CHEMISTRY, vol.22, no.16, pp.2909-2918, 2022 (SCI-Expanded)
- XI. **In vitro effects of antiseizure drugs on lacosamide concentration at hepatic metabolism level**
Yilmaz Goler A. M., Altinoluk T., Culpan Y., Selalmaz Y., Onat F., Gülhan R., Gülçebi İdriz Oğlu M.
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- XII. **The Role of Extracellular Vesicles Secreted From Thermal Stress-Induced Adipose-Derived Stem Cells on Bone Regeneration**
Akdeniz-Dogan Z. D., Sendur S., Karademir-Yilmaz B., Buğdayıcı O., Kaya Ö. T., Yilmaz-Goler A. M., Gündüz O., Çelebiler Ö. B.
JOURNAL OF CRANIOFACIAL SURGERY, vol.32, no.6, pp.2245-2250, 2021 (SCI-Expanded)
- XIII. **Synergistic Induction of Apoptosis by Quercetin and Curcumin in Chronic Myeloid Leukemia (K562) Cells: II. Signal Transduction Pathways Involved**
Altundag E. M., Yilmaz A. M., Serdar B. S., Jannuzzi A. T., Kocturk S., Yalçın A. S.
NUTRITION AND CANCER-AN INTERNATIONAL JOURNAL, vol.73, no.4, pp.703-712, 2021 (SCI-Expanded)
- XIV. **Synergistic Combination of Histone Deacetylase Inhibitor Suberoylanilide Hydroxamic Acid and Natural Flavonoid Curcumin Exhibits Anticancer and Antibacterial Activity.**
Altundağ E., Toprak K., Şanlıtürk G., Güran M., Özbilenler C., Kerkükli N., Yilmaz A. M., Yalçın A. S.
Anti-cancer agents in medicinal chemistry, vol.21, pp.1301-1308, 2021 (SCI-Expanded)
- XV. **Higher proteotoxic stress rather than mitochondrial damage is involved in higher neurotoxicity of**

- bortezomib compared to carfilzomib**
 Jannuzzi A., Arslan S., Yilmaz A. M., Sari G., Beklen H., Méndez L., Fedorova M., Arga K. Y., Karademir Y., Alpertunga B.
 REDOX BIOLOGY, vol.32, 2020 (SCI-Expanded)
- XVI. **Cytotoxicity of Different Nano Composite Resins on Human Gingival and Periodontal Ligament Fibroblast Cell Lines: An In Vitro Study**
 Kavuncu G., Yilmaz A. M., Karademir Y., Yilmaz A., Altunok E., Kuru L., Agrali Ö. B.
 BIOMEDICINES, vol.8, no.3, 2020 (SCI-Expanded)
- XVII. **Antitumor and antimetastatic effects of walnut oil in esophageal adenocarcinoma cells**
 Batirel S., Yilmaz A. M., Şahin A., Perakakis N., Ozer N., Mantzoros C. S.
 Clinical Nutrition, vol.37, pp.2166-2171, 2018 (SCI-Expanded)
- XVIII. **Synergistic Induction of Apoptosis by Quercetin and Curcumin in Chronic Myeloid Leukemia (K562) Cells**
 Altundag E. M., Yilmaz A. M., Kocturk S., Taga Y., Yalcin A. S.
 NUTRITION AND CANCER-AN INTERNATIONAL JOURNAL, vol.70, no.1, pp.97-108, 2018 (SCI-Expanded)
- XIX. **Effect of different culture media on isolation and differentiation of dendritic cells**
 Yilmaz A. M., Altundag E. M., Gedik G., Kocturk S., Yalcin A. S., Taga Y.
 TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGİSİ, vol.40, no.6, pp.440-447, 2015 (SCI-Expanded)
- XX. **Effects of intraperitoneal zoledronic acid administration on cerebral vasospasm following experimental subarachnoid hemorrhage in rats** *intraperitoneal zoledronik asid uygulamasının ratlarda deneysel subaraknoid kanama modeliyle oluşturulmuş serebral vazospazm üzerine etkisi*
 ULUS A., ÇELİK Ö., Arslanhan A., ÇİLİNİR Ö. T., ÖZKAN M., Yilmaz A. M.
 Journal of Neurological Sciences, vol.32, no.3, pp.450-460, 2015 (SCI-Expanded)
- XXI. **Effects of Intraperitoneal Zoledronic Acid Administration on Cerebral Vasospasm Following Experimental Subarachnoid Hemorrhage in Rats**
 Ulus A., Çelik Ö., Arslanhan A., Tuğçe Çilingir Ö., Özkan M., Yılmaz A. M., Uyar Bozkurt S., Ziyal M. İ.
 JOURNAL OF NEUROLOGICAL SCIENCES-TURKISH, vol.32, pp.450-460, 2015 (SCI-Expanded)
- XXII. **Synergistic Effects of Methotrexate and Suberoylanilide Hydroxamic Acid in Triggering Apoptosis of Chronic Myeloid Leukemia Cells**
 Altundag E. M., Yilmaz A. M., Corek C., Yalcin A. S., Taga Y., Kocturk S.
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- XXIII. **The role of HSP90 in Quercetin induced apoptosis in human papillary thyroid B CPAP cancer cells**
 ERGUL M. A., YILMAZ A. M., KASACI T., COREK C., TAGA Y., YALÇIN A. S.
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- XXIV. **Comparison of antioxidant capacity, protein profile and carbohydrate content of whey protein fractions**
 Onay-Ucar E., Arda N., Pekmez M., Yilmaz A. M., Boke-Sarikahya N., Kirmizigul S., Yalcin A. S.
 FOOD CHEMISTRY, vol.150, pp.34-40, 2014 (SCI-Expanded)
- XXV. **Free radicals whey proteins and colorectal cancer**
 YALÇIN A. S., WAFİ A., YILMAZ A. M., AKTAN A. Ö.
 Marmara Medical Journal (elektronik), pp.1-6, 2014 (SCI-Expanded)
- XXVI. **Whey Protein Versus Whey Protein Hydrolyzate for the Protection of Azoxymethane and Dextran Sodium Sulfate Induced Colonic Tumors in Rats**
 Attaallah W., Yilmaz A. M., Erdogan N., Yalcin A. S., Aktan A. O.
 PATHOLOGY & ONCOLOGY RESEARCH, vol.18, no.4, pp.817-822, 2012 (SCI-Expanded)

Articles Published in Other Journals

- I. **Hyaluronic Acid-Curcumin Complex Triggers Apoptotic Pathway in Breast Cancer Cells via CD44 Receptors**

- Mokhberioskouei Z., Biçim G., Yılmaz Göler A. M., Yalcin A. S.
Clinical and Experimental Health Sciences, vol.13, no.3, pp.658-663, 2023 (ESCI)
- II. **Effect of whey protein derivatives on cell viability, cell migration and cell cycle phases in MCF-7 cells**
Aksoy F. T., Yılmaz Göler A. M., Bicim G., Yalcin A. S.
MARMARA MEDICAL JOURNAL, vol.36, no.1, pp.39-45, 2023 (ESCI)
- III. **Effect of different immobilization media on breakdown of whey proteins by Streptococcus thermophilus**
Safak F. Z., Bicim G., Yilmaz A. M., Aksu M. B., Yalcin A. S.
Marmara Medical Journal, vol.35, no.2, pp.139-142, 2022 (Scopus)
- IV. **Hydrogen Peroxide and Quercetin Induced Changes on Cell Viability, Apoptosis and Oxidative Stress in HepG2 Cells**
Yılmaz Göler A. M., Biçim G., Toprak K., Yılmaz B., Yalçın A. S., Milisav I.
Current Nutraceuticals, vol.2, no.1, pp.47-55, 2021 (Peer-Reviewed Journal)
- V. **Cytotoxicity and Collagen Expression Effects of Tideglusib Administration on Human Periodontal Cells: An In-Vitro Study**
Öncü B., Yılmaz Göler A. M., Yılmaz B., Altunok E. Ç., Kuru L., Ağralı Ö. B.
CLINICAL AND EXPERIMENTAL HEALTH SCIENCES, vol.10, no.2, pp.153-162, 2020 (ESCI)
- VI. **The Effect of Different Suture Materials on Achilles Tendon Metabolism: A Preliminary in vivo Study of mRNA levels in Rabbits**
ERGÜN S., Alakbarov A., YILMAZ A. M., Karademir B., Akgur U.
MLTJ-MUSCLES LIGAMENTS AND TENDONS JOURNAL, vol.9, no.4, pp.470-477, 2019 (ESCI)
- VII. **Effect of casein and whey proteins on examination stress**
Celik R., Kaymakçı M. S., Akalın D., Karademir E., Tuncer B., Biçim G., Yılmaz Göler A. M., Yalçın A. S.
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- VIII. **Effects of quercetin and curcumin combination on signal transduction pathways in chronic myeloid leukemia cells**
MUTLU ALTUNDAĞ E., YILMAZ GÖLER A. M., Sert B., ERKMEN T., KOÇTÜRK A. S., YALÇIN A. S.
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- IX. **Effects of different stress conditions on apoptosis, proteasome activity and exosome cell death pathways in hepatocellular carcinoma cells**
YILMAZ GÖLER A. M., Biçim G., Toprak K., KARADEMİR B., YALÇIN A. S.
MDPI Proceedings, vol.2, pp.1-4, 2018 (Peer-Reviewed Journal)
- X. **Proteasomal Inhibition with Bortezomib Causes Selective Autophagy Upregulation and Perinuclear Clustering of Mitochondria in Human Neuronal Cells**
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Proceedings, vol.2, pp.1583, 2018 (Peer-Reviewed Journal)
- XI. **Effect of ketone bodies on viability of human breast cancer cells (MCF-7)**
Kaya Z., Yilmaz A. M., Yalcin A. S.
MARMARA MEDICAL JOURNAL, vol.31, no.2, pp.57-60, 2018 (ESCI)
- XII. **Anti-cancer effects of curcumin, quercetin and tea catechins**
Yalcin A. S., Yilmaz A. M., Altundag E. M., Kocturk S.
MARMARA PHARMACEUTICAL JOURNAL, vol.21, no.1, pp.19-29, 2017 (ESCI)
- XIII. **Quercetin-Induced Cell Death in Human Papillary Thyroid Cancer (B-CPAP) Cells**
Altundag E. M., Kasaci T., Yilmaz A. M., KARADEMİR B., Kocturk S., Taga Y., Yalcin A. S.
JOURNAL OF THYROID RESEARCH, 2016 (ESCI)
- XIV. **In vivo evaluation of black and green tea dermal productsagainst UV radiation**
TÜRKOĞLU M., UĞURLU T., GEDİK G., YILMAZ A. M., YALÇIN A. S.
DRUG DISCOVERY AND THERAPEUTICS, vol.4, pp.362-36, 2010 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Lakozamid ile birlikte karbamazepin, fenobarbital veya valproik asit kullanımının hepatik metabolizma üzerindeki in vitro etkileri**
YILMAZ GÖLER A. M., ALTINOLUK T., ÇULPAN Y., Selalmaz Y., ONAT F., GÜLHAN R., GÜLÇEBİ İDRİZ OĞLU M.
26. ULUSAL ve 1. ULUSLARARASI FARMAKOLOJİ KONGRESİ, Turkey, 04 November 2021, pp.58
- II. **Antinöbet ilaçların lakozamid konsantrasyonu üzerindeki etkilerinin HepaRG hücre hattında araştırılması**
GÜLHAN R., YILMAZ GÖLER A. M., ALTINOK T., ÇULPAN Y., SELALMAZ Y., ONAT F., GÜLÇEBİ İDRİZ OĞLU M.
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- III. **Combination of Proteasome Inhibitor Bortezomib with Temozolomide and Radiotherapy in Co-Culture and 3D Culture Models of Glioblastoma**
ÜNAL S., ARSLAN ESERYEL S., GÜVEN Ü., ŞAHİN A., YILMAZ GÖLER A. M., ATASOY B. M., GÜNDÜZ O., YILMAZ B.
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- IV. **Anti-Tumor Effect Of Bortezomib And Carfilzomib On Glioblastoma Cells And Stress Response And Skeletal Damage In Healthy Brain Cells**
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- V. **EXOSOME-MEDIATED COMMUNICATION BETWEEN HEPATOCELLULAR CANCER CELLS AND NEIGHBORING CELLS**
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- VI. **Regulation of Intracellular ROS Level under Different Stress Conditions in HepG2 Cells**
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- VII. **Wnt Sinyal Yolu Aktivasyonunun Farklı İnsan Periodontiyum Hücreleri Üzerine Etkileri: Bir in-Vitro Çalışma**
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- VIII. **Extracellular signalling and communication between liver cancer cells and neighboring cells**
YILMAZ GÖLER A. M., Biçim G., Toprak K., YILMAZ B., YALÇIN A. S.
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- IX. **Effects of Quercetin on Cell Cycle Arrest and Oxidative Stress Related Genes in Hepatocarcinoma and Primary Hepatic Cells**
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- X. **Ormoser Kompozitin Dişeti/Periodontal Ligament Fibroblastı Üzerindeki Sitotoksite Etkilerinin Değerlendirilmesi**
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- XI. **TCD-Urethan İçerikli Nano-Hibrit Rezinin Dişeti/Periodontal Ligament Fibroblastları Üzerindeki Sitotoksik Etkilerinin Değerlendirilmesi**
Kavuncu G., Yılmaz Göler A. M., Karademir B., Yılmaz Atalı P., Altunok E. Ç., Kuru L., Ağralı Ö. B.
2. ULUSLARARASI SEMPOZYUM "ÇÜRÜMEDEN KORU", İstanbul, Turkey, 26 - 27 April 2019
- XII. **Cytotoxicity Effects of Conventional Monomer Containing Composite Resin Material**
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MARMARA ÜNİVERSİTESİ II. ULUSLARARASI DİŞ HEKİMLİĞİ SEMPOZYUMU, 29 - 30 April 2019
- XIII. **Konvansiyonel Monomer İçerikli Bir Kompozit Rezin Materyalinin Sitotoksik Etkilerinin**

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Kavuncu G., Yılmaz Göler A. M., Karademir B., Yılmaz Atalı P., Altunok E. Ç., Kuru L., Ağralı Ö. B.

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XV. Effects of quercetin and curcumin combination on signal transduction pathways in chronic myeloid leukemia cells

MUTLU ALTUNDAĞ E., YILMAZ GÖLER A. M., Sert B., Erkmen T., KOÇTÜRK A. S., YALÇIN A. S.

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XVI. Effects of different stress conditions on apoptosis, proteasome activity and exosome cell death pathways in hepatocellular carcinoma cells

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XVII. Proteasomal Inhibition with Bortezomib Causes Selective Autophagy Upregulation and Perinuclear Clustering of Mitochondria in Human Neuronal Cells

Jannnuzi A. T., SARI G., YILMAZ GÖLER A. M., KARADEMİR B., ALPERTUNGA B.

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XVIII. Hepatosellüler karsinoma (HepG2) hücrelerinde farklı stres koşullarının apoptoz, proteazom aktivitesi ve hücre ölüm yolakları üzerine etkisi

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2. Ulusal Marmara Eczacılık Kongresi, İstanbul, Turkey, 14 - 16 November 2018

XIX. Effect of whey proteins on the immune system and its relation to examination stress

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XX. Anti-inflammatory and apoptotic effects of quercetin and curcumin on chronic myeloid leukemia cancer cells.

MUTLU ALTUNDAĞ E., YILMAZ GÖLER A. M., KOÇTÜRK A. S., YALÇIN A. S.

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XXI. Anti-inflammatory and apoptotic effects of quercetin and curcumin on chronic myeloid leukemia cancer cells

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XXII. Comparative effects of bortezomib and carfilzomib in co-culture of human neural progenitor cells and leukemia cells

JANNUZZI A. T., Arslan S., Yilmaz A. M., ALPERTUNGA B., Karademir B.

19th Biennial Meeting of the Society-for-Free-Radical-Research-International (SFRRI), Lisbon, Portugal, 01 January 2018, vol.120

XXIII. Combination of proteasome inhibitors with temozolomide to increase the anti-tumor effect in 3D culture model of glioblastoma

ÜNAL S., Gökce T., Arslan S., Yilmaz A. M., GÜNDÜZ O., KARADEMİR B.

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XXIV. Walnut Oil Has Potential Antitumor and Antimetastatic Effects on Esophageal Cancer Cells in Vitro

BATIREL S., YILMAZ A. M., ŞAHİN A., PERAKAKIS N., KARTAL ÖZER N., MANTZOROS C.

The 35th Annual Scientific Meeting of The Obesity Society 2017, Washington, United States Of America, 30 October - 02 November 2017

XXV. Proteasomal degradation of TP53INP1 and their relation to methotrexate treatment in prostate cancer cells

Cinel A. E., Kaplan G. S., Yilmaz A. M., KARADEMİR B.

Conference of the Society-for-Free-Radical-Research-Europe (SFRR-E), Budapest, Hungary, 8 - 11 June 2016,

vol.96

- XXVI. **EFFECT OF TEA POLYPHENOLS ON APOPTOTIC CELL DEATH IN BREAST CANCER CELLS**
Yılmaz A. M., Mutlu Altundağ E., Karademir B., Koçtürk A. S., Yalçın A. S.
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- XXVII. **PROTEASOMAL SYSTEM AND HEAT SHOCK PROTEINS INCANCER CELL DEATH MECHANISMS**
KARADEMİR B., YILMAZ A. M., MUTLU ALTUNDAĞ E., SÖZEN A. E., BOZAYKUT P., KARTAL ÖZER N., KOÇTÜRK A. S.
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- XXVIII. **Effect of tea polyphenols on phase I and phase II enzyme activities and apoptotic cell death mechanism in breast cancer cells**
YILMAZ A. M., Mutlu Altundağ E., KARADEMİR B., KOÇTÜRK A. S., Taga Y., YALÇIN A. S.
First International Cell Death Research Congress, İzmir, Turkey, 4 - 07 May 2016, pp.52
- XXIX. **Effects of curcumin and quercetin on reactive oxygen species and apoptotic process in chronic myeloid leukemia K562 cells**
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