

## Prof. BETÜL YILMAZ

### Personal Information

**Email:** betulkarademir@marmara.edu.tr

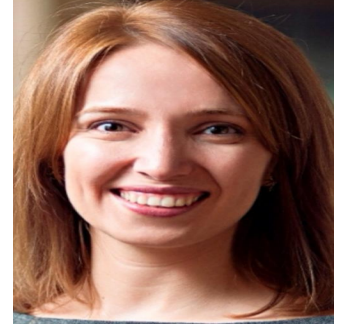
**Web:** <https://avesis.marmara.edu.tr/betulkarademir>

### International Researcher IDs

ScholarID: VvpN-IYAAAAJ

ORCID: 0000-0003-1762-0284

Yoksis Researcher ID: 205934



### Education Information

Doctorate, Universitaet Hohenheim, The Faculty Of Natural Sciences, Germany 2006 - 2009

Postgraduate, Istanbul University, Faculty Of Pharmacy , Department Of Professional  
Pharmaceutical Sciences, Turkey 2003 - 2005

Undergraduate, Istanbul University, Faculty Of Pharmacy , Eczacılık Pr., Turkey 1999 - 2003

### Dissertations

Doctorate, Nuclear Activation of proteasome in oxidative stress and aging, Universitaet Hohenheim, The Faculty Of  
Natural Sciences, 2009

Postgraduate, Bazı pestisidlerin lipit peroksidasyonu ve antioksidan enzimler üzerine etkilerinin in vitro araştırılması,  
İstanbul Üniversitesi, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2005

### Research Areas

Health Sciences

### Academic Titles / Tasks

Professor, Marmara University, School of Medicine, Basic Medical Sciences, 2013 - Continues

### Academic and Administrative Experience

Director of the Center, Marmara University, 2019 - Continues

Deputy Director of the Center, Marmara University, 2015 - 2019

### Advising Theses

KARADEMİR B., Kemoterapötik Ajanlar Bortezomib ve Carfilzomib Kaynaklı Periferik Nöropatide Mitotoksisitenin  
Rolünün İncelenmesi, Doctorate, A.TARBİN(Student), 2019

KARADEMİR B., Meme kanseri hastalarında sitokrom P450 2D6 enzimi genetik polimorfizminin östrojen reseptör

degradasyonu üzerine etkisi, Doctorate, Z.OKAT(Student), 2016

KARADEMİR B., Nöroblastoma tümör hücrelerine karşı adipoz doku kaynaklı insan kök hücrelerinin apoptoz etkinliğinin araştırılması, Postgraduate, A.ÇİNGÖZ(Student), 2013

KARADEMİR B., Apoptotik hücre ölümüne direnç gösteren medulloblastoma hücreleri üzerine mezenkimal kök hücre ve çeşitli inhibitörlerin etkisinin incelenmesi, Postgraduate, K.YAMAN(Student), 2013

KARADEMİR B., Mezenkimal kök hücre ile birlikte kültüre edilen nöroblastoma hücrelerinin  $\alpha$ -bağımlı apoptotik protein inhibitörüne verdiği yanıtın incelenmesi, Postgraduate, K.UÇAR(Student), 2013

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

- I. **Public health challenges after the February 6 earthquakes: A comprehensive review of immediate and long-term impacts in Türkiye**  
Koçer A. T., Akpek A., Vural A., Aslan A., Erkoç A., Özen A. M., Şahin A., Oktay A., Şenol A. A., Batıoğlu-Karaaltın A., et al.  
International Journal of Disaster Risk Reduction, vol.114, 2024 (SCI-Expanded)
- II. **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)
- III. **Molecular Cardiotoxic Effects of Proteasome Inhibitors Carfilzomib and Ixazomib and Their Combination with Dexamethasone Involve Mitochondrial Dysregulation**  
JANNUZZI A. T., Korkmaz N. S., GÜNAYDIN AKYILDIZ A., Arslan Eseryel S., Karademir Yılmaz B., ALPERTUNGA B.  
Cardiovascular Toxicology, vol.23, no.3-4, pp.121-131, 2023 (SCI-Expanded)
- IV. **Uniformly shaped harmonization combines human transcriptomic data from different platforms while retaining their biological properties and differential gene expression patterns**  
Borisov N., Tkachev V., Simonov A., Sorokin M., Kim E., Kuzmin D., Karademir-Yılmaz B., Buzdin A.  
Frontiers in Molecular Biosciences, vol.10, 2023 (SCI-Expanded)
- V. **Primary adrenal insufficiency in a patient with biallelic QRSL1 mutations**  
Dursun F., Genc H. M., Yılmaz Göler A. M., Tas I., Eser M., Pehlivanoglu C., Yılmaz B., Güran T.  
EUROPEAN JOURNAL OF ENDOCRINOLOGY, vol.187, no.3, 2022 (SCI-Expanded)
- VI. **Acute Myeloid Leukemia: New Multiomics Molecular Signatures and Implications for Systems Medicine Diagnostics and Therapeutics Innovation**  
Kelesoglu N., Kori M., TURANLI B., ARĞA K. Y., Yılmaz B., Duru O. A.  
OMICS-A JOURNAL OF INTEGRATIVE BIOLOGY, vol.26, no.7, pp.392-403, 2022 (SCI-Expanded)
- VII. **Next-Generation Grade and Survival Expression Biomarkers of Human Gliomas Based on Algorithmically Reconstructed Molecular Pathways**  
Zolotovskaia M. A., Kovalenko M. A., Tkachev V. S., Simonov A. M., Sorokin M., Kim E., Kuzmin D., Karademir-Yılmaz B., Buzdin A. A.  
INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, vol.23, no.13, 2022 (SCI-Expanded)
- VIII. **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., Yılmaz Göler A. M., Bayrak N., Yıldız M., Yıldırım H., Yılmaz B., Shilkar D., Jayaprakash Venkatesan R., Jayaprakash V., Tuyun A. F.  
Pharmaceuticals, vol.15, pp.777-799, 2022 (SCI-Expanded)
- IX. **Driving Precision Oncology to Clinical Practice: The Road Ahead from Biomarker Validation to Clinical Decision Systems**  
Yılmaz B., ARĞA K. Y.  
OMICS-A JOURNAL OF INTEGRATIVE BIOLOGY, vol.26, no.6, pp.358-359, 2022 (SCI-Expanded)
- X. **Past, Present, and Future of Therapies for Pituitary Neuroendocrine Tumors: Need for Omics and Drug Repositioning Guidance**

Aydin B., Yildirim E., ERDOĞAN O., ARÇA K. Y., Yilmaz B., BOZKURT S., BAYRAKLI F., TURANLI B.  
OMICS-A JOURNAL OF INTEGRATIVE BIOLOGY, vol.26, no.3, pp.115-129, 2022 (SCI-Expanded)

- XI. **MicroRNA-Mediated Drug Repurposing Unveiled Potential Candidate Drugs for Prolactinoma Treatment**  
Aydin B., Arslan S., BAYRAKLI F., YILMAZ B., ARÇA K. Y.  
NEUROENDOCRINOLOGY, vol.112, pp.161-173, 2022 (SCI-Expanded)
- XII. **Combination of Second-Generation Proteasome Inhibitor Carfilzomib with Bortezomib in Four Different Breast Cancer Cell Lines**  
Altundag E. M., Yilmaz A. M., Sahin A., Yilmaz B.  
ANTI-CANCER AGENTS IN MEDICINAL CHEMISTRY, vol.22, no.16, pp.2909-2918, 2022 (SCI-Expanded)
- XIII. **Investigation of 3D-Printed Polycaprolactone-/Polyvinylpyrrolidone-Based Constructs**  
Izgordu M. S., Uzgur E. I., Ulag S., Şahin A., Yilmaz B., Kilic B., Ekren N., Oktar F. N., Gündüz O.  
CARTILAGE, vol.13, no.2\_SUPPL, 2021 (SCI-Expanded)
- XIV. **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., Buğdaycı 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)
- XV. **Propolis-Based Nanofiber Patches to Repair Corneal Microbial Keratitis**  
Ulag S., Ilhan E., Demirhan R., Sahin A., Yilmaz B., Aksu B., Sengor M., Ficai D., Titu A. M., Ficai A., et al.  
MOLECULES, vol.26, no.9, 2021 (SCI-Expanded)
- XVI. **Design and fabrication of electrospun polycaprolactone/chitosan scaffolds for ligament regeneration**  
Saatcioglu E., Ulag S., Şahin A., Yilmaz B., Ekren N., İnan A. T., Palacı Y., Üstündağ C. B., Gündüz O.  
EUROPEAN POLYMER JOURNAL, vol.148, 2021 (SCI-Expanded)
- XVII. **The Repertoire of Glycan Alterations and Glycoproteins in Human Cancers.**  
Kori M., Aydin B., Gulfidan G., Beklen H., Kelesoglu N., Caliskan Iscan A., Turanli B., Erzik C., Karademir B., Arga K. Y.  
Omics : a journal of integrative biology, vol.25, no.3, pp.139-168, 2021 (SCI-Expanded)
- XVIII. **Effect of electric stimulus on human adipose-derived mesenchymal stem cells cultured in 3D-printed scaffolds**  
Bedir T., Ulag S., Aydogan K., Şahin A., Yilmaz B., Güvenç Y., Bozlar M., Üstündağ C. B., Gündüz O.  
POLYMERS FOR ADVANCED TECHNOLOGIES, vol.32, no.3, pp.1114-1125, 2021 (SCI-Expanded)
- XIX. **Fabrication of tissue-engineered tympanic membrane patches using 3D-Printing technology**  
İlhan E., Ulag S., Sahin A., Yilmaz B., Ekren N., Kılıç O., Şengör M., Kalaskar D. M., Oktar F. N., Gündüz O.  
JOURNAL OF THE MECHANICAL BEHAVIOR OF BIOMEDICAL MATERIALS, vol.114, 2021 (SCI-Expanded)
- XX. **Production and characterization of bacterial cellulose scaffold and its modification with hyaluronic acid and gelatin for glioblastoma cell culture**  
Ünal S., Arslan S., Yilmaz B., Oktar F. N., Sengil A. Z., Gündüz O.  
CELLULOSE, vol.28, no.1, pp.117-132, 2021 (SCI-Expanded)
- XXI. **3D printed artificial cornea for corneal stromal transplantation**  
Ulag S., Ilhan E., Şahin A., Karademir Yilmaz B., Kalaskar D. M., Ekren N., Kılıç O., Nuzhet Oktar F. N., Gündüz O.  
EUROPEAN POLYMER JOURNAL, vol.133, 2020 (SCI-Expanded)
- XXII. **Polycaprolactone/Gelatin/Hyaluronic Acid Electrospun Scaffolds to Mimic Glioblastoma Extracellular Matrix**  
Ünal S., Arslan S., Yilmaz B., Oktar F. N., Ficai D., Ficai A., Gündüz O.  
MATERIALS, vol.13, no.11, 2020 (SCI-Expanded)
- XXIII. **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)

- XXIV. **Glioblastoma cell adhesion properties through bacterial cellulose nanocrystals in polycaprolactone/gelatin electrospun nanofibers**  
Ünal S, Arslan S, Karademir Yilmaz B, Kazan D., Oktar F. N., Gündüz O.  
CARBOHYDRATE POLYMERS, vol.233, 2020 (SCI-Expanded)
- XXV. **The potential use of natural products to negate hepatic, renal and neuronal toxicity induced by cancer therapeutics**  
Prša P., Karademir B., Biçim G., Mahmoud H., Dahan I., Yalçın A. S., Mahajna J., Milisav I.  
BIOCHEMICAL PHARMACOLOGY, vol.173, 2020 (SCI-Expanded)
- XXVI. **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)
- XXVII. **Intraluminal fluid infusion in a rat jejunum ischemia/reperfusion model is associated with improved tissue perfusion and less mucosal damage**  
Yalcin D., Saçak B., Yalcin M., Yıldırım A., Karademir B., Ercan F., Celebiler O.  
JOURNAL OF PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY, vol.73, pp.590-597, 2020 (SCI-Expanded)
- XXVIII. **Indocyanine green based fluorescent polymeric nanoprobe for in vitro imaging**  
Ege Z. R., Akan A., Oktar F. N., Lin C. C., Kuruca D. S., Karademir B., Sahin Y. M., Erdemir G., Gündüz O.  
Journal of Biomedical Materials Research - Part B Applied Biomaterials, vol.108, no.2, pp.538-554, 2020 (SCI-Expanded)
- XXIX. **HSP70 Inhibition Leads to the Activation of Proteasomal System under Mild Hyperthermia Conditions in Young and Senescent Fibroblasts**  
Bozaykut P., Sozen E., Kaga E., Ece A., Ozaltin E., Bergquist J., Kartal O., Karademir Y.  
OXIDATIVE MEDICINE AND CELLULAR LONGEVITY, vol.2020, 2020 (SCI-Expanded)
- XXX. **The Protective Effect of Weekend Warrior and Continuous Exercise Models on Depression Induced Cognitive Impairment**  
Ozturk C. C., Ataoglu S. N., Arvas A., Tokol H., Yaprak H., Gurel S., Levent H. N., AKAKIN D., Karademir B., Cakir B., et al.  
ACTA PHYSIOLOGICA, vol.227, pp.35, 2019 (SCI-Expanded)
- XXXI. **Controlled release of metformin hydrochloride from core-shell nanofibers with fish sarcoplasmic protein**  
Sena S., Sumeyra K. N., Ulkugul G., Sema A., Betül K., Muge S. B., Sayip E. M., Muhammet U., Cevriye K., Mahir M., et al.  
Medicina (Lithuania), vol.55, no.10, 2019 (SCI-Expanded)
- XXXII. **Design and characterization of polycaprolactone-gelatin-graphene oxide scaffolds for drug influence on glioblastoma cells**  
Ünal S., Arslan S., Gokce T., Atasoy B. M., Karademir B., Oktar F. N., Gündüz O.  
European Polymer Journal, vol.115, pp.157-165, 2019 (SCI-Expanded)
- XXXIII. **PPP2R3C gene variants cause syndromic 46,XY gonadal dysgenesis and impaired spermatogenesis in humans**  
Güran T., Yesil G., Turan S., Atay Z., Bozkurtlar E., Aghayev A., Gul S., Tinay İ., Aru B., Arslan S., et al.  
EUROPEAN JOURNAL OF ENDOCRINOLOGY, vol.180, no.5, pp.291-309, 2019 (SCI-Expanded)
- XXXIV. **3D Printing Artificial Blood Vessel Constructs Using PCL/Chitosan/Hydrogel Biocomposites**  
Ulag S., Kalkandelen C., OKTAR F. N., UZUN M., ŞAHİN Y. M., KARADEMİR B., Arslan S., Ozbolat I. T., Mahirogullari M., GÜNDÜZ O.  
CHEMISTRYSELECT, vol.4, no.8, pp.2387-2391, 2019 (SCI-Expanded)
- XXXV. **Co-Culture of Keratinocyte-Staphylococcus aureus on Cu-Ag-Zn/CuO and Cu-Ag-W Nanoparticle Loaded Bacterial Cellulose:PMMA Bandages**  
Altun E., Aydogdu M. O., Crabbe-Mann M., Ahmed J., Brako F., Karademir B., Aksu B., Sennaroğlu Bostan M., Eroğlu M. S., Ren G., et al.  
MACROMOLECULAR MATERIALS AND ENGINEERING, vol.304, 2019 (SCI-Expanded)
- XXXVI. **Proteomic approach for understanding milder neurotoxicity of Carfilzomib against Bortezomib**

- KARADEMİR B., Sari G., Jannuzzi A. T., Musunuri S., Wicher G., Grune T., Mi J., Hacıoglu-Bay H., Forsberg-Nilsson K., Bergquist J., et al.  
SCIENTIFIC REPORTS, vol.8, 2018 (SCI-Expanded)
- XXXVII. **CD36 expression in peripheral blood mononuclear cells reflects the onset of atherosclerosis**  
Yazgan B., Sozen E., KARADEMİR B., Ustunsoy S., Ince U., Zarkovic N., Ozer N.  
BIOFACTORS, vol.44, no.6, pp.588-596, 2018 (SCI-Expanded)
- XXXVIII. **Encapsulation of indocyanine green in poly(lactic acid) nanofibers for using as a nanoprobe in biomedical diagnostics**  
Ege Z. R., AKAN A., OKTAR F. N., Lin C., KARADEMİR B., GÜNDÜZ O.  
MATERIALS LETTERS, vol.228, pp.148-151, 2018 (SCI-Expanded)
- XXXIX. **Proteasome Inhibitors in Cancer Therapy and their Relation to Redox Regulation**  
Sari G., Okat Z., Şahin A., Karademir B.  
CURRENT PHARMACEUTICAL DESIGN, vol.24, pp.5252-5267, 2018 (SCI-Expanded)
- XL. **Redox Regulation and Cancer Therapy**  
Yalcin A. S., KARADEMİR B.  
CURRENT PHARMACEUTICAL DESIGN, vol.24, no.44, pp.5232-5233, 2018 (SCI-Expanded)
- XLI. **Repair of critical size defects using bioactive glass seeded with adipose-derived mesenchymal stem cells**  
SAÇAK B., Certel F., AKDENİZ DOĞAN Z. D., KARADEMİR B., ERCAN F., ÖZKAN N., Akpınar I. N., Celebiler O.  
JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART B-APPLIED BIOMATERIALS, vol.105, no.5, pp.1002-1008, 2017 (SCI-Expanded)
- XLII. **Protective effects of different exercise modalities in an Alzheimer's disease-like model**  
Özbeyli D., Sari G., Özkan N., Karademir B., Yüksel M., Kaya Ö. T., Cakir Ö.  
BEHAVIOURAL BRAIN RESEARCH, vol.328, pp.159-177, 2017 (SCI-Expanded)
- XLIII. **Proteasome inhibitors in cancer therapy: Treatment regimen and peripheral neuropathy as a side effect**  
Kaplan G. S., Torcun C. C., Grune T., Ozer N., KARADEMİR B.  
FREE RADICAL BIOLOGY AND MEDICINE, vol.103, pp.1-13, 2017 (SCI-Expanded)
- XLIV. **The Role of Proteasome in the Cell Cycle Progression of Induced Pluripotent Stem Cells**  
SARI G., MUTLU ALTUNDAĞ E., KAVALCI B., TOSUN C., ŞAHİN Z. S., GÜLEÇ S., HEIDARI A., KARADEMİR B.  
Cellular And Molecular Biology, 2017 (SCI-Expanded)
- XLV. **Hypercholesterolemia Mediated Endoplasmic Reticulum Stress Response Might Be Related to Autophagic Death of Cardiomyocytes in Heart Failure**  
Ozer N., SÖZEN A. E., Yazgan B., KARADEMİR B.  
FREE RADICAL BIOLOGY AND MEDICINE, vol.100, 2016 (SCI-Expanded)
- XLVI. **Effect of Different Exercise Methods on Anxiety-Like Behavior and Cerebral Plasticity in An Experimental Model of Alzheimer's Disease**  
ÖZBEYLİ D., Sari G., ÖZKAN N., KARADEMİR B., Cilingir O. T., Yuksel M., Cakir O. K.  
ACTA PHYSIOLOGICA, vol.218, pp.71-72, 2016 (SCI-Expanded)
- XLVII. **Effect of Different Exercise Methods on Anxiety Like Behavior and Cerebral Plasticity in An Experimental Model of Alzheimer s Disease**  
OZBEYLİ D., SARI G., ÖZKAN N., KARADEMİR B., KAYA Ö. T., YÜKSEL M., KASIMAY ÇAKIR Ö.  
Acta Physiologica, vol.218, pp.62, 2016 (SCI-Expanded)
- XLVIII. **Nrf2 silencing to inhibit proteolytic defense induced by hyperthermia in HT22 cells**  
Bozaykut P., Ozer N., KARADEMİR B.  
REDOX BIOLOGY, vol.8, pp.323-332, 2016 (SCI-Expanded)
- XLIX. **Endoplasmic reticulum stress related molecular mechanisms in nonalcoholic steatohepatitis**  
Bozaykut P., Şahin A., Karademir Yilmaz B., Ozer N.  
MECHANISMS OF AGEING AND DEVELOPMENT, vol.157, pp.17-29, 2016 (SCI-Expanded)
- L. **Endoplasmic reticulum stress and proteasomal system in amyotrophic lateral sclerosis**  
KARADEMİR B., Corek C., Ozer N.

FREE RADICAL BIOLOGY AND MEDICINE, vol.88, pp.42-50, 2015 (SCI-Expanded)

- LI. **The Effect of Exercise Modalities on D-galactose Induced Rat Alzheimer Model**  
ÖZBEYLİ D., Sari G., ÖZKAN N., KARADEMİR B., YÜKSEL M., ŞİRVANCI S., KASIMAY ÇAKIR Ö.  
ACTA PHYSIOLOGICA, vol.215, pp.42, 2015 (SCI-Expanded)
- LII. **Exploring oxidative modifications of tyrosine: An update on mechanisms of formation, advances in analysis and biological consequences**  
Houee-Levin C., Bobrowski K., Horakova L., Karademir B., Schoeneich C., Davies M. J., Spickett C. M.  
FREE RADICAL RESEARCH, vol.49, no.4, pp.347-373, 2015 (SCI-Expanded)
- LIII. **Basic mechanisms in endoplasmic reticulum stress and relation to cardiovascular diseases**  
Sozen E., KARADEMİR B., Ozer N.  
FREE RADICAL BIOLOGY AND MEDICINE, vol.78, pp.30-41, 2015 (SCI-Expanded)
- LIV. **Regulation of protein turnover by heat shock proteins**  
Bozaykut P., Ozer N., KARADEMİR B.  
FREE RADICAL BIOLOGY AND MEDICINE, vol.77, pp.195-209, 2014 (SCI-Expanded)
- LV. **The role of hypercholesterolemic diet and vitamin E on Nrf2 pathway, endoplasmic reticulum stress and proteasome activity**  
Perinur B., Erdi S., Burak Y., Betül K., Nesrin K.  
FREE RADICAL BIOLOGY AND MEDICINE, vol.75, 2014 (SCI-Expanded)
- LVI. **The effect of resveratrol on signal transduction pathways and the role of pro-apoptotic Bax protein on apoptosis in HCT-116 colon carcinoma cell lines**  
Ceyda C., Ergul M. A., Betül K., Semra K., Nesrin K. O., Yavuz T.  
FREE RADICAL BIOLOGY AND MEDICINE, vol.75, 2014 (SCI-Expanded)
- LVII. **CD36 as a biomarker of atherosclerosis**  
Yazgan B., Ustunsoy S., KARADEMİR B., KARTAL ÖZER N.  
FREE RADICAL BIOLOGY AND MEDICINE, vol.75, 2014 (SCI-Expanded)
- LVIII. **Heat shock proteins and proteasomal degradation in normal and tumor cells**  
Betül K., Perinur B., Nesrin K. O.  
FREE RADICAL BIOLOGY AND MEDICINE, vol.75, 2014 (SCI-Expanded)
- LIX. **Effects of vitamin E on peroxisome proliferator-activated receptor gamma and nuclear factor-erythroid 2-related factor 2 in hypercholesterolemia-induced atherosclerosis**  
Bozaykut P., KARADEMİR B., Yazgan B., Sozen E., Siow R. C. M., Mann G. E., Ozer N.  
FREE RADICAL BIOLOGY AND MEDICINE, vol.70, pp.174-181, 2014 (SCI-Expanded)
- LX. **Protein damage, repair and proteolysis**  
Chondrogianni N., Petropoulos I., Grimm S., Georgila K., Catalgol B., Friguet B., Grune T., Gonos E. S.  
MOLECULAR ASPECTS OF MEDICINE, vol.35, pp.1-71, 2014 (SCI-Expanded)
- LXI. **Molecular Function of Tocopherols in Age Related Diseases**  
KARADEMİR B., Ozer N.  
CURRENT PHARMACEUTICAL DESIGN, vol.20, no.18, pp.3030-3035, 2014 (SCI-Expanded)
- LXII. **Potential role of proteasome on c-jun related signaling in hypercholesterolemia induced atherosclerosis**  
Sozen E., KARADEMİR B., Yazgan B., Bozaykut P., Ozer N.  
REDOX BIOLOGY, vol.2, pp.732-738, 2014 (SCI-Expanded)
- LXIII. **Identification of differentially expressed proteins in atherosclerotic aorta and effect of vitamin E**  
Kaga E., KARADEMİR B., Baykal A. T., Ozer N.  
JOURNAL OF PROTEOMICS, vol.92, pp.260-273, 2013 (SCI-Expanded)
- LXIV. **Regulation of protein turnover by heat shock proteins**  
KARADEMİR B., Sozen E., Bozaykut P., Ece A., Ozaltin E., Ozer N., Grune T.  
FREE RADICAL BIOLOGY AND MEDICINE, vol.65, 2013 (SCI-Expanded)
- LXV. **The role of heat stress on the age related protein carbonylation**  
Bozaykut P., Sozen E., Kaga E., Ece A., Ozaltin E., Ek B., Ozer N., Grune T., Bergquist J., KARADEMİR B.  
JOURNAL OF PROTEOMICS, vol.89, pp.238-254, 2013 (SCI-Expanded)

- LXVI. **Acute effects of methiocarb on oxidative damage and the protective effects of vitamin E and taurine in the liver and kidney of Wistar rats**  
ÖZDEN S., Catalgol B., OKTAYOĞLU S., KARATUĞ KAÇAR A., BOLKENT Ş., ALPERTUNGA B.  
TOXICOLOGY AND INDUSTRIAL HEALTH, vol.29, no.1, pp.60-71, 2013 (SCI-Expanded)
- LXVII. **Cathepsins D and L reduce the toxicity of advanced glycation end products**  
Grimm S., Horlacher M., Catalgol B., Hoehn A., Reinheckel T., Grune T.  
FREE RADICAL BIOLOGY AND MEDICINE, vol.52, no.6, pp.1011-1023, 2012 (SCI-Expanded)
- LXVIII. **Proteasome and Cancer**  
Catalgol B.  
THE PROTEASOMAL SYSTEM IN AGING AND DISEASE, vol.109, pp.277-293, 2012 (SCI-Expanded)
- LXIX. **Protective effects of vitamin E against hypercholesterolemia-induced age-related diseases**  
Catalgol B., Ozer N.  
GENES AND NUTRITION, vol.7, no.1, pp.91-98, 2012 (SCI-Expanded)
- LXX. **Resveratrol: French paradox revisited**  
Catalgol B., BATIREL S., Taga Y., Ozer N.  
FRONTIERS IN PHARMACOLOGY, vol.3, 2012 (SCI-Expanded)
- LXXI. **Proteasome and Neurodegenerative Diseases**  
Catalgol B., Grune T.  
THE PROTEASOMAL SYSTEM IN AGING AND DISEASE, vol.109, pp.397-414, 2012 (SCI-Expanded)
- LXXII. **HSP70 mediates dissociation and reassociation of the 26S proteasome during adaptation to oxidative stress**  
Grune T., Catalgol B., Licht A., Ermak G., Pickering A. M., Ngo J. K., Davies K. J. A.  
FREE RADICAL BIOLOGY AND MEDICINE, vol.51, no.7, pp.1355-1364, 2011 (SCI-Expanded)
- LXXIII. **Cellular Protection and Therapeutic Potential of Tocotrienols**  
Catalgol B., Batirel S., Ozer N.  
CURRENT PHARMACEUTICAL DESIGN, vol.17, no.21, pp.2215-2220, 2011 (SCI-Expanded)
- LXXIV. **Lipofuscin inhibits the proteasome by binding to surface motifs**  
Hoehn A., Jung T., Grimm S., Catalgol B., Weber D., Grune T.  
FREE RADICAL BIOLOGY AND MEDICINE, vol.50, no.5, pp.585-591, 2011 (SCI-Expanded)
- LXXV. **Age-related loss of stress-induced nuclear proteasome activation is due to low PARP-1 activity**  
Bakondi E., Catalgol B., Bak I., Jung T., Bozaykut P., Bayramicli M., Ozer N., Grune T.  
FREE RADICAL BIOLOGY AND MEDICINE, vol.50, no.1, pp.86-92, 2011 (SCI-Expanded)
- LXXVI. **Chromatin repair after oxidative stress: Role of PARP-mediated proteasome activation**  
Catalgol B., Wendt B., Grimm S., Breusing N., Ozer N., Grune T.  
FREE RADICAL BIOLOGY AND MEDICINE, vol.48, no.5, pp.673-680, 2010 (SCI-Expanded)
- LXXVII. **Acrylamide-induced oxidative stress in human erythrocytes**  
Catalgol B., ÖZHAN G., ALPERTUNGA B.  
HUMAN & EXPERIMENTAL TOXICOLOGY, vol.28, no.10, pp.611-617, 2009 (SCI-Expanded)
- LXXVIII. **The Proteasome Is an Integral Part of Solar Ultraviolet A Radiation-induced Gene Expression**  
Catalgol B., Ziaja I., Breusing N., Jung T., Hoehn A., ALPERTUNGA B., Schroeder P., Chondrogianni N., Gonos E. S., Petropoulos I., et al.  
JOURNAL OF BIOLOGICAL CHEMISTRY, vol.284, no.44, pp.30076-30086, 2009 (SCI-Expanded)
- LXXIX. **Protein Pool Maintenance During Oxidative Stress**  
Catalgol B., Grune T.  
CURRENT PHARMACEUTICAL DESIGN, vol.15, no.26, pp.3043-3051, 2009 (SCI-Expanded)
- LXXX. **The proteasomal system**  
Jung T., Catalgol B., Grune T.  
MOLECULAR ASPECTS OF MEDICINE, vol.30, no.4, pp.191-296, 2009 (SCI-Expanded)
- LXXXI. **Methiocarb-induced oxidative damage following subacute exposure and the protective effects of vitamin E and taurine in rats**  
ÖZDEN S., Catalgol B., OKTAYOĞLU S., ARDA PİRİNÇÇİ B. P., BOLKENT Ş., ALPERTUNGA B.

- FOOD AND CHEMICAL TOXICOLOGY, vol.47, no.7, pp.1676-1684, 2009 (SCI-Expanded)
- LXXXII. **Age-related differences in oxidative protein-damage in young and senescent fibroblasts**  
Jung T, Hoehn A, Catalgol B, Grune T.  
ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS, vol.483, no.1, pp.127-135, 2009 (SCI-Expanded)
- LXXXIII. **Turnover of oxidatively modified proteins: the usage of in vitro and metabolic labeling**  
Catalgol B, Grune T.  
FREE RADICAL BIOLOGY AND MEDICINE, vol.46, no.1, pp.8-13, 2009 (SCI-Expanded)
- LXXXIV. **Effects of trichlorfon on malondialdehyde and antioxidant system in human erythrocytes**  
Catalgol B, ÖZDEN S., ALPERTUNGA B.  
TOXICOLOGY IN VITRO, vol.21, no.8, pp.1538-1544, 2007 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Effect of methylglyoxal on Parkinson's disease pathophysiology in the rotenone model**  
Culpan Y, Ozden L, Gozderesi Y, Kocak B, Baltaci Z. H., Denizli A., Karademir Yilmaz B., Gülhan R.  
Marmara Medical Journal, vol.37, no.2, pp.166-177, 2024 (ESCI)
- II. **Differential Interactome Based Drug Repositioning Unraveled Abacavir, Exemestane, Nortriptyline Hydrochloride, and Tolcapone as Potential Therapeutics for Colorectal Cancers**  
beklen h., arslan s., Gulfidan G., Turanlı B., ÖZBEK SARICA P., Karademir Yılmaz B., ARĞA K. Y.  
Frontiers in Bioinformatics, vol.1, 2021 (Peer-Reviewed Journal)
- III. **Proteasomal System Related Stress Response in Different Cancer Cell Lines**  
Jannuzzi A. T., Arslan S., Alpertunga B., Yilmaz B.  
CLINICAL AND EXPERIMENTAL HEALTH SCIENCES, vol.11, no.1, pp.28-33, 2021 (ESCI)
- 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. **3D printing of Osage orange extract/Chitosan scaffolds for soft tissue engineering**  
SAATÇIOĞLU E., KOYUN M., ULAĞ S., ŞAHİN A., YILMAZ B., AKSU M. B., GÜNDÜZ O.  
FOOD HYDROCOLLOIDS FOR HEALTH, vol.1, 2021 (ESCI)
- VI. **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)
- VII. **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)
- VIII. **Proteasomal Inhibition with Bortezomib Causes Selective Autophagy Upregulation and Perinuclear Clustering of Mitochondria in Human Neuronal Cells**  
Jannuzzi A. T., SARI G., YILMAZ GÖLER A. M., KARADEMİR B., ALPERTUNGA B.  
Proceedings, vol.2, pp.1583, 2018 (Peer-Reviewed Journal)
- IX. **Quercetin-Induced Cell Death in Human Papillary Thyroid Cancer (B-CPAP) Cells**  
Altundag E. M., Kasaci T., Yilmaz A. M., KARADEMİR B., Koçturk S., Taga Y., Yalcin A. S.  
JOURNAL OF THYROID RESEARCH, 2016 (ESCI)
- X. **Hypercholesterolemia increases vasospasm resulting from basilar artery subarachnoid hemorrhage in rabbits which is attenuated by Vitamin E.**  
Sasani M., Yazgan B., Celebi I., Aytan N., Catalgol B., Oktenoglu T., Kaner T., Ozer N., Ozer A.  
Surgical neurology international, vol.2, pp.29, 2011 (Scopus)
- XI. **Lipid rafts and redox regulation of cellular signaling in cholesterol induced atherosclerosis.**



Catalgol B., Kartal O.

Current cardiology reviews, vol.6, pp.309-24, 2010 (Scopus)

## Books & Book Chapters

- I. **Enzimatik Aktivite Analizleri: Kaspazlar ve Proteazom**  
Yılmaz Göler A. M., Yılmaz B.  
in: Hastalıkta ve Sağlıkta Hücre Ölümü Mekanizmaları ve Deneysel Araştırma Modelleri, Prof. Dr. A. Semra Koçtürk, Prof. Dr. H. Seda Vatanser, Editor, Manisa Celal Bayar Üniversitesi Basımevi, Manisa, pp.272-282, 2022
- II. **Molecular Signatures in Acute Myeloid Leukemia: From Diagnosis to Targeted Therapy and Drug Repositioning**  
KELEŞOĞLU N., YILMAZ B., ARĞA K. Y.  
in: Interdisciplinary Cancer Research, Rezaei Nima, Editor, Springer, pp.1-32, 2022
- III. **Heat Shock Protein (HSP)**  
KARADEMİR B., SARI G.  
in: Encyclopedia of Signaling Molecules, Sangdun Choi, Editor, Springer, pp.2330-2339, 2018
- IV. **ATEROSKLEROZ BİYOKİMYASI**  
BATİREL S., KARADEMİR B., KARTAL ÖZER N.  
in: KLİNİK BİYOKİMYA, NESRİN EMEKLİ, TÜRKAN YİĞİTBAŞI, Editor, NOBEL TIP KİTAPEVLERİ, İstanbul, pp.209-220, 2015
- V. **Protein Oxidation and Aging**  
JUNG T., KARADEMİR B., GRUNE T.  
WILEY, 2013

## Refereed Congress / Symposium Publications in Proceedings

- I. **Transcriptomics-Based Drug Repurposing Unravels Novel Therapeutic Strategies in AML**  
KELEŞOĞLU N., Korkmaz N. S., TURANLI B., ARĞA K. Y., YILMAZ B., ATEŞ DURU Ö.  
4th EURASIA BIOCHEMICAL APPROACHES & TECHNOLOGIES (EBAT) CONGRESS, Antalya, Turkey, 3 - 06 November 2022
- II. **Differential Interactome Based Drug Repositioning Unraveled Potential Therapeutics for Colorectal Cancers**  
BEKLEN H., Arslan S., GULFİDAN G., TURANLI B., ÖZBEK SARICA P., YILMAZ B., ARĞA K. Y.  
3rd EURASIA BIOCHEMICAL APPROACHES & TECHNOLOGIES (EBAT) CONGRESS, Antalya, Turkey, 4 - 07 November 2021
- III. **Investigation Of Cell Behavior On The 3D-Printed Neural Scaffolds By Electrical Stimulation**  
BEDİR T., ULAĞ S., AYDOĞAN K., ŞAHİN A., YILMAZ B., GÜVENÇ Y., BOZLAR M., GÜNDÜZ O., ÜSTÜNDAĞ C. B.  
5th International Congress On 3d Printing (Additive Manufacturing) Technologies And Digital Industry (3D-PTC2021), 03 June 2021
- IV. **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.  
8th Multidisciplinary Cancer Research Congress, Turkey, 16 - 17 January 2021
- V. **Anti-Tumor Effect Of Bortezomib And Carfilzomib On Glioblastoma Cells And Stress Response And Skeletal Damage In Healthy Brain Cells**  
ARSLAN ESERYEL S., GÜVEN Ü., ÜNAL S., ŞAHİN A., YILMAZ GÖLER A. M., ATASOY B. M., GÜNDÜZ O., YILMAZ B.  
8th Multidisciplinary Cancer Research Congress, Turkey, 16 - 17 January 2021
- VI. **EXOSOME-MEDIATED COMMUNICATION BETWEEN HEPATOCELLULAR CANCER CELLS AND NEIGHBORING CELLS**

Yılmaz Göler A. M., Biçim G., Toprak K., Yılmaz B., Yalçın A. S., Milisav I.

NutREDOX COST ACTION CA16112-Nutraceuticals in balancing redox status in ageing and age-related diseases, Belgrade, Serbia, 2 - 03 March 2020

**VII. Regulation of Intracellular ROS Level under Different Stress Conditions in HepG2 Cells**

Biçim G., Toprak K., YILMAZ GÖLER A. M., YILMAZ B., YALÇIN A. S.

XXX. National Congress of the Turkish Biochemical Society TBS 2019, October 27-31, 2019 (Antalya-Turkey), Turkey, 27 - 31 October 2019

**VIII. Wnt Sinyal Yolu Aktivasyonunun Farklı İnsan Periodonsiyum Hücreleri Üzerine Etkileri: Bir in-Vitro Çalışma**

öncü b., YILMAZ GÖLER A. M., YILMAZ B., ALTUNOK E. Ç., KURU L., AĞRALI Ö. B.

Türk Periodontoloji Derneği 49. Uluslararası Bilimsel Kongresi ve 28. Bilimsel Sempozyumu, Antalya, Turkey, 27 - 29 October 2019

**IX. Extracellular signalling and communication between liver cancer cells and neighboring cells**

YILMAZ GÖLER A. M., Biçim G., Toprak K., YILMAZ B., YALÇIN A. S.

5th International Conference on Cancer Research and Drug Development, 26 - 28 October 2019

**X. Determination Of Candidate Biomarkers Through Differential Interactome in Colorectal Adenocarcinoma**

BEKLEN H., GULFİDAN G., TURANLI B., ÖZBEK SARICA P., YILMAZ B., ARĞA K. Y.

The 12th International Symposium on Health Informatics and Bioinformatics (HIBIT 2019), İzmir, Turkey, 17 - 19 October 2019

**XI. Effects of Quercetin on Cell Cycle Arrest and Oxidative Stress Related Genes in Hepatocarcinoma and Primary Hepatic Cells**

Toprak K., Biçim G., YILMAZ GÖLER A. M., YILMAZ B., YALÇIN A. S.

Cell Death Symposium 2019 , October 3 4, 201 9 (İstanbul Turkey )), İstanbul, Turkey, 3 - 04 October 2019

**XII. Ormoser Kompozitin Dişeti/Periodontal Ligament Fibroblastı Üzerindeki Sitotoksik Etkilerinin Değerlendirilmesi**

KAVUNCU G., YILMAZ GÖLER A. M., YILMAZ B., YILMAZ ATALI P., ALTUNOK E. Ç., KURU L., AĞRALI Ö. B.

25. TDB Uluslararası Diş Hekimliği Kongresi, 4 September - 07 October 2019

**XIII. TCD-Urethan İçerikli Nano-Hibrit Resinin 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

**XIV. Konvansiyonel Monomer İçerikli Bir Kompozit Resin Materyalinin Sitotoksik Etkilerinin Değerlendirilmesi**

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

Marmara Üniversitesi 2. Uluslararası Diş Hekimliği Sempozyumu, İstanbul, Turkey, 29 - 30 April 2019

**XV. Konvansiyonel Monomer İçerikli Bir Kompozit Resin Materyalinin Sitotoksik Etkisi**

KAVUNCU G., YILMAZ GÖLER A. M., YILMAZ B., YILMAZ ATALI P., ALTUNOK E. Ç., KURU L., AĞRALI Ö. B.

Marmara Üniversitesi 2. ULUSLARARASI DİŞ HEKİMLİĞİ SEMPOZYUMU, 29 - 30 April 2019

**XVI. Combination of First Generation Proteasome Inhibitor Bortezomib with Temozolomide and Radiotherapy in Glioblastoma 2D and 3D Cell Cultures**

Arslan S., ÜNAL S., Gökçe T., ATASOY B. M., GÜNDÜZ O., KARADEMİR B.

2nd International Cell Death Research Congress, 1 - 04 November 2018

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

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

2nd International Cell Death Research Congress, İzmir, Turkey, 1 - 04 November 2018

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

YALÇIN A. S., KARADEMİR B., YILMAZ GÖLER A. M., Biçim G., Kübra T.

2nd International Cell Death Research Congress, Turkey, 1 - 04 November 2018, vol.2, pp.1532

- XIX. **Hepatosellüler karsinoma (HepG2) hücrelerinde farklı stres koşullarının apoptoz, proteazom aktivitesi ve hücre ölüm yolları üzerine etkisi**  
Biçim G., Toprak K., YILMAZ GÖLER A. M., KARADEMİR B., YALÇIN A. S.  
2. Ulusal Marmara Eczacılık Kongresi, İstanbul, Turkey, 14 - 16 November 2018
- XX. **The radiosensitizing effects of bortezomib through PDL-1 expression on glioblastoma cells in vitro**  
ÜNAL S., KARADEMİR B., ATASOY B. M.  
MOKAD 2018, 11 - 14 October 2018
- XXI. **Fabrication of Poly(EthyleneOxide)/Chitosan/Indocyanine Green Nanoprobe by Co-Axial Electrospinning Method for Early Detection**  
Ege Z. R., AKAN A., OKTAR F. N., KARADEMİR B., GÜNDÜZ O.  
ICNMA: 2018 20th International Conference on Nanostructured Materials and Applications, 13 - 14 September 2018
- XXII. **Combination of proteasome inhibitors with temozolomide to increase the anti-tumor effect in 3D culture model of glioblastoma**  
ÜNAL S., Gokce T., Arslan S., Yilmaz A. M., GÜNDÜZ O., KARADEMİR B.  
19th Biennial Meeting of the Society-for-Free-Radical-Research-International (SFRRRI), Lisbon, Portugal, 01 January 2018, vol.120
- XXIII. **Biodegradable Indocyanine Green Nanoprobe for In vitro Early Tumor Diagnosis**  
Ege Z. R., Akan A., Oktar F. N., Kalkandelen C., KARADEMİR B., GÜNDÜZ O.  
Medical Technologies National Congress (TIPTEKNO), Magusa, CYPRUS, 8 - 10 November 2018
- XXIV. **İmmünoterapide Proteazom İnhibisyonu**  
KARADEMİR B.  
Hücrel İmmünoterapi Sempozyumu, Turkey, 20 - 23 October 2017
- XXV. **Proteasomal System as a Cellular Target**  
KARADEMİR B.  
Cellular Imaging Techniques Workshop, 16 - 20 October 2017
- XXVI. **High cholesterol diet activates endoplasmic reticulum stress signaling pathways in nonalcoholic fatty liver disease: role of fatty acids**  
ŞAHİN A., DEMİREL T., SÖZEN A. E., KARADEMİR B., KARTAL ÖZER N.  
42nd FEBS Congress From Molecules to Cells and Back, 10 - 14 September 2017
- XXVII. **IRE1-JNK branch of ER stress response promotes inflammation and autophagy in heart tissue.**  
SÖZEN A. E., YAZGAN B., TOK O. E., ERCAN F., KARADEMİR B., KARTAL ÖZER N.  
42. FEBS Congress From Molecules to Cells and Back, 10 - 14 September 2017
- XXVIII. **IRE1-JNK branch of ER stress response promotes inflammation and autophagy in heart tissue.**  
SÖZEN A. E., YAZGAN B., TOK O. E., ERCAN F., KARADEMİR B., KARTAL ÖZER N.  
42nd FEBS Congress From Molecules to Cells and Back, 10 - 14 September 2017
- XXIX. **High cholesterol diet-mediated unfolded protein response activation enhances autophagic cell death in heart tissue**  
Sozen E., Yazgan B., Tok O. E., ERCAN F., KARADEMİR B., Ozer N.  
OCC World Congress / Annual SFRR-E Conference, Berlin, Germany, 21 - 23 June 2017, vol.108
- XXX. **ER stress related lipid accumulation and apoptotic cell death in nonalcoholic fatty liver disease**  
Demirel T., Sozen E., ŞAHİN A., KARADEMİR B., Ozer N.  
OCC World Congress / Annual SFRR-E Conference, Berlin, Germany, 21 - 23 June 2017, vol.108
- XXXI. **High cholesterol diet-mediated unfolded protein response activation enhances autophagic cell death in heart tissue**  
SÖZEN A. E., YAZGAN B., TOK O. E., ERCAN F., KARADEMİR B., KARTAL ÖZER N.  
OCC World Congress 2017 and Annual SFRR-E Conference. Metabolic Stress and Redox Regulation, 21 - 23 June 2017
- XXXII. **High cholesterol diet-mediated unfolded protein response activation enhances autophagic cell death in heart tissue**  
SÖZEN A. E., YAZGAN B., TOK O. E., ERCAN F., KARADEMİR B., KARTAL ÖZER N.

OCC World Congress 2017 and Annual SFRR-E Conference. Metabolic Stress and Redox Regulation, 21 - 23 June 2017

XXXIII. **ER stress related lipid accumulation and apoptotic cell death in nonalcoholic fatty liver disease**  
DEMİREL T., SÖZEN A. E., ŞAHİN A., KARADEMİR B., KARTAL ÖZER N.

OCC World Congress 2017 and Annual SFRR-E Conference. Metabolic Stress and Redox Regulation, 21 - 23 June 2017

XXXIV. **Endoplasmic Reticulum Stress-Related Signaling and Lipid Metabolism in Non-Alcoholic Fatty Liver Disease**

ŞAHİN A., SÖZEN A. E., DEMİREL T., KARADEMİR B., KARTAL ÖZER N.

Redox Biology in Disease and Translational Medicine, Barga, Italy, 19 - 24 March 2017

XXXV. **PROTEASOME INHIBITORS TRIGGER NEUROPATHY BY DESTABILIZING CYTOSKELETON**

SARI KAPLAN G., MUSURUNI S., WICHER G., JUNG T., JIA M., HACIOĞLU BAY H., BERGQUIST J., GRUNE T., KARADEMİR B.

1st INTERNATIONAL CELL DEATH RESEARCH CONGRESS, 4 - 07 May 2016

XXXVI. **Hypercholesterolemia Mediated ER stress Response Might Be Related to Autophagic Death Of Cardiomyocytes in Hearth Failure**

KARTAL ÖZER N., KARADEMİR B., YAZGAN B., SÖZEN A. E.

23. Annual Meeting of the Society for Redox Biology and Medicine San Francisco, 16 - 29 November 2016

XXXVII. **Sıçanda Jejunum Flebi İskemiReperfu zyon Modelinde İntralu minalDekstroz İnfu zyonunun DokuyaEtkilerinin Fizyolojik Histolojik veBiyokimyasal Olarak İncelenmesi**

YALÇIN D., SAÇAK B., YILDIRIM A., ERCAN F., KARADEMİR B., BÜLBÜL N., ÇELEBİLER Ö. B.

Türk Plastik Rekonstrüktif Estetik Cerrahi Derneği 38. Ulusal Kurultayı, Turkey, 27 - 30 October 2016

XXXVIII. **Hypercholesterolemia Mediated ER Stress Response Might Be Related to Autophagic Death of Cardiomyocytes in Heart Failure**

KARTAL ÖZER N., KARADEMİR B., YAZGAN B., SÖZEN A. E.

23rd Annual Meeting of the Society for Redox Biology and Medicine, SFRBM/SFRRI 2016 Congress, San-Francisco, United States Of America, 16 - 19 October 2016

XXXIX. **Redox Regulated Endoplasmic Reticulum Stress in Metabolic Diseases**

KARTAL ÖZER N., KARADEMİR B., SÖZEN A. E., ŞAHİN A., YAZGAN B.

Redox Regulation of Metabolic Process SFRR-Europe/FEBS Advanced School, 19 - 26 September 2016

XL. **Hypercholesterolemia Mediated Cell Death Mechanisms Following Oxidative and ER Stress Activation on Cardiac Tissue Role of Vit E**

SÖZEN A. E., YAZGAN B., ŞAHİN A., TOK O. E., ERCAN F., KARADEMİR B., KARTAL ÖZER N.

FEBS Advanced Lecture Course on Redox Regulation of Metabolic Processes, 19 - 25 September 2016

XLI. **Role of ER Stress on Lipid Accumulation and Cell Death in Hypercholesterolemia Induced Nonalcoholic Fatty Liver Disease**

DEMİREL T., SÖZEN A. E., ŞAHİN A., KARADEMİR B., KARTAL ÖZER N.

FEBS Advanced Lecture Course on Redox Regulation of Metabolic Processes, 19 - 25 September 2016

XLII. **Hypercholesterolemia mediated cell death mechanism following oxidative and ER stress activation on cardiac tissue role of vitamin E**

SÖZEN A. E., YAZGAN B., ŞAHİN A., TOK E., ERCAN F., KARADEMİR B., KARTAL ÖZER N.

Redox Regulation of Metabolic Process SFRR Europe FEBS Advanced School, 19 September 2006 - 26 September 2016

XLIII. **Role of ER stress on Lipid Accumulation and cell Death in Hypercholesterolemia induced Nonalcoholic Fatty liver Disease**

Demirel T., SÖZEN A. E., ŞAHİN A., KARADEMİR B., KARTAL ÖZER N.

Redox Regulation of Metabolic Process SFRR-Europe FEBS Advanced School, 19 - 26 September 2016

XLIV. **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

- XLV. The proteasomal system as a target in cancer therapy**  
KARADEMİR B.  
Conference of the Society-for-Free-Radical-Research-Europe (SFRR-E), Budapest, Hungary, 8 - 11 June 2016, vol.96
- XLVI. Peripheral neuropathy as the side effect of proteasome inhibitors bortezomib and carfilzomib**  
Sari-Kaplan G., Musunuri S., Wicher G., Jung T., Mi J., Hacıoglu-Bay H., Bergquist J., Grune T., KARADEMİR B.  
Conference of the Society-for-Free-Radical-Research-Europe (SFRR-E), Budapest, Hungary, 8 - 11 June 2016, vol.96
- XLVII. HIGH CHOLESTEROL INDUCED CARDIAC FAILURE AND UNFOLDED PROTEIN RESPONSE**  
SÖZEN A. E., YAZGAN B., KARADEMİR B., KARTAL ÖZER N.  
FEBS/IUBMB ADVANCED LECTURE COURSE, 27 May - 01 June 2016
- XLVIII. High Cholesterol Induced Cardiac Failure and Unfolded Protein Response**  
SÖZEN A. E., YAZGAN B., KARADEMİR B., KARTAL ÖZER N.  
"Molecular Basis of Human Diseases: 50 years anniversary of Spetses Summer Schools", Spetses Island, 27 May - 01 June 2016
- XLIX. Repair of Critical Size Defects Using Bioactive Glass Seeded with Adipose-Derived Mesenchymal Stem Cells**  
AKDENİZ DOĞAN Z. D., SAÇAK B., YILMAZ B., ERCAN F., ÇELEBİLER Ö. B.  
European Association of Plastic Surgeons (EURAPS) Research Council, Brüksel, Belgium, 25 - 26 May 2016
- L. 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.  
1st International Cell Death Research Congress, İzmir, Turkey, 5 - 07 May 2016
- LI. Proteasomal system and heat shock proteins in cancer cell death mechanisms**  
KARADEMİR B., YILMAZ A. M., ALTUNDAĞ E. M., SÖZEN A. E., BOZAYKUT P., KARTAL ÖZER N., KOÇTÜRK A. S.  
1st International Cell Death Research Congress, 4 - 07 May 2016
- LII. 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.  
1st International Cell Death Research Congress, 04 May 2015 - 07 May 2016
- LIII. 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
- LIV. Adipoz doku kaynaklı kök hücre ekilmiş biyoaktif cam ile kritik boyutta kemik defekti onarımı**  
SAÇAK B., Certel F., AKDENİZ Z. D., KARADEMİR B., ERCAN F., ÇELEBİLER Ö. B.  
37. Ulusal Türk Plastik, Rekonstrüktif ve Estetik Cerrahi Derneği Kurultayı, Turkey, 4 - 07 November 2015, pp.150-151
- LV. Regulation of protein turnover by heat shock proteins**  
KARADEMİR B., SÖZEN A. E., BOZAYKUT P., ECE A., OZALTIN E., KARTAL ÖZER N., GRUNE T.  
SFRR Europe 2013 Conference, ATINA, Greece, 23 September 2013 - 25 September 2015
- LVI. Chemotherapy Resistance The role of proteasomal degradation and heat shock response**  
KARADEMİR B., SÖZEN A. E., BOZAYKUT P., MUTLU ALTUNDAĞ E., YILMAZ A. M., ŞAHİN A., ÇÖREK C., SARI G., KARTAL ÖZER N.  
Redox Biology Meets Nutrition, SFRR-E 2015 Meeting, STUTGART, Germany, 1 - 04 September 2015, vol.86
- LVII. Chemotherapy Resistance: The role of proteasomal degradation and heat shock response**  
KARADEMİR B., Sozen E., Bozaykut P., Altundag E. M., Yilmaz A. M., ŞAHİN A., Corek C., Sari G., Ozer N.  
SFRR-E/SNFS Conference, Stuttgart, Germany, 2 - 04 September 2015, vol.86
- LVIII. Heat shock proteins in proteasome inhibitor related neuropathy**  
Sari G., Musuruni S., Wicher G., Mi J., Bergquist J., KARADEMİR B.  
SFRR-E/SNFS Conference, Stuttgart, Germany, 2 - 04 September 2015, vol.86
- LIX. PROTEOMIC APPROACH TO DETECT NEUROPATHY RELATED PROTEINS INDUCED BY PROTEASOME**

## **INHIBITORS BORTEZOMIB AND CARFILZOMIB**

KARADEMİR B., SARI G., MSURUNI S., WICHER G., MI J., BERGQUIST J.

Analytical methods to study oxidative damage, antioxidants and drugs, 4 - 07 June 2015

- LX. Oxidative and Endoplasmic Reticulum Stress Related Molecular Mechanisms in Atherosclerosis**  
BOZAYKUT P., KARADEMİR B., KARTAL ÖZER N.  
V. International Congress of Molecular Medicine, 20 - 22 May 2015
- LXI. Inhibition of Molecular Mechanisms Related to Hyperthermia Induced Thermotolerance**  
BOZAYKUT P., KARTAL ÖZER N., KARADEMİR B.  
3rd Anticancer Agent Development Congress, 18 - 19 May 2015
- LXII. ENHANCED OXIDATIVE STRESS AND ER STRESS IN HIGH CHOLESTEROL INDUCED CARDIAC FAILURE**  
KARTAL ÖZER N., KARADEMİR B., YAZGAN B., SÖZEN E.  
EMBO CONFERENCE, 8 - 13 May 2015
- LXIII. THE ROLE OF HSP70 IN THE PROTEIN AGGREGATION DIFFERENCES IN THE CELLULAR SENESCENCE**  
KARADEMİR B., BOZAYKUT P., SÖZEN E., KAGA E., ECE A., ÖZALTIN E., KARTAL ÖZER N., GRUNE T.  
EMBO CONFERENCE, 8 - 13 May 2015
- LXIV. INTERACTION OF PROTEASOME AND HEAT SHOCK PROTEINS IN TUMOR CELL RESPONSE**  
KARADEMİR B., BOZAYKUT P., SÖZEN E., KARTAL ÖZER N.  
COLD SPRING HARBOR LABORATORY MEETINGS, 21 - 25 April 2015
- LXV. INVESTIGATING BIOMARKERS OF NEUROPATHY INITIATED BY PROTEASOME INHIBITOR BORTEZOMIB**  
SARI G., MSURUNI S., WICHER G., MI J., BERGQUIST J., KARADEMİR B.  
COLD SPRING HARBOR LABORATORY MEETINGS, 21 - 25 April 2015
- LXVI. The effect of proteasome on c jun related signaling mechanisms in hypercholesterolemia induced oxidative stress**  
SÖZEN E., KARADEMİR B., YAZGAN B., BOZAYKUT P., KARTAL ÖZER N.  
FEBS EMBO 2014 Congress, Paris, France, 30 August - 04 September 2014
- LXVII. CD36 as a biomarker of atherosclerosis**  
YAZGAN B., USTUNSOY S., KARADEMİR B., KARTAL ÖZER N.  
SFRR-E Meeting 2014, Free Radicals:Insights in signaling and adaptive homeostasis, 5 - 07 September 2014
- LXVIII. Resveratrol induces cell death in human mesothelioma cells by inducing cell cycle arrest.**  
BATIREL S., MUTLU ALTUNDAĞ E., BATIREL H. F., ÇÖREK C., KARADEMİR B., KARTAL ÖZER N.  
12th International Mesothelioma Interest Group Conference, Cape-Town, South Africa, 21 - 24 October 2014
- LXIX. The effect of resveratrol on signal transduction pathways and the role of pro apoptotic bax protein on apoptosis in HCT 116 colon carcinoma cell line**  
COREK C., MUTLU ALTUNDAG E., KARADEMİR B., KOÇTÜRK A. S., TAGA Y., KARTAL ÖZER N.  
SFRR-E Meeting , Free Radicals:Insights in signaling and adaptive homeostasis, 5 - 07 September 2014
- LXX. The Role of Hypercholesterolemic Diet and Vitamin E on Nrf2 Pathway Endoplasmic Reticulum Stress and Proteasome Activity**  
BOZAYKUT P., SÖZEN A. E., KARADEMİR B., YAZGAN B., KARTAL ÖZER N.  
SFRR-E Meeting 2014, Paris, France, 6 - 07 September 2014
- LXXI. Histopathologic and molecular effects of adipose derived stem cells on rabbit ear hypertrophic scar model**  
AKALIN B. E., SAÇAK B., ÇÖREK C., ÇATALGÖL B., ÇİLİNGİR Ö. T., ERCAN F.  
3rd Annual Euraps Research Council Meeting, Ischia, 28 - 29 May 2014
- LXXII. The role of HSP70 in the chemotherapeutic approach for proteasomal degradation and autophagy**  
SÖZEN A. E., BOZAYKUT P., KARTAL ÖZER N., GRUNE T., KARADEMİR B.  
17th Biennial Meeting of Society for Free Radical Research International (SFRRRI 2014), Kyoto, Japan, 23 - 26 May 2014
- LXXIII. The role of hypercholesterolemia induced oxidative stress on endoplasmic reticulum stress and autophagy related cardiac failure role of vit E**  
SÖZEN A. E., YAZGAN B., KARADEMİR B., KARTAL ÖZER N.

17th Biennial Meeting of Society for Free Radical Research International (SFRRRI 2014), Kyoto, Japan, 23 - 26 April 2014

- LXXIV. **Comparing the results of free tissue transfers in elderly and young patients and risk assesment**  
EDİM AKALIN B., SAÇAK B., ÇÖREK C., ÇATALGÖL B., ÇİLİNGİR Ö. T., ERCAN F.  
Congress of the European Federation of Societies for Microsurgery, Barcelona, Spain, 3 - 05 April 2014
- LXXV. **Assesment of tissue perfusion and effect of liposuciton on abdominally based perforator flaps**  
EDİM AKALIN B., SAÇAK B., ÇÖREK C., ÇATALGÖL B., ÇİLİNGİR Ö. T., ERCAN F.  
Congress of the European Federation of Societies for Microsurgery, Barcelona, Spain, 3 - 05 April 2014
- LXXVI. **The Effect of Hypercholesterolemia Induced Oxidative Stress on Cardiac Failure and Autophagy Role of Vitamin E**  
SÖZEN A. E., YAZGAN B., KARADEMİR B., BOZAYKUT P., KAGA E., KARTAL ÖZER N.  
FEBS Special Meeting on Protein Quality Control and Ubiquitin Systems in Health and Disease, Aydın, Turkey, 14 - 16 November 2013
- LXXVII. **The Effect of Beclin 1 Lc3 II I Bcl 2 and Phospho Bcl 2 in Hypercholesterolemia Induced Oxidative Stress**  
SÖZEN A. E., YAZGAN B., KARADEMİR B., KARTAL ÖZER N.  
38th FEBS Congress "Mechanisms in Biology", St. Petersburg, Russia, 14 - 16 July 2013
- LXXVIII. **Rabbit as a model system used to study age related diseases**  
KARTAL ÖZER N., KARADEMİR B.  
SFRR Europe 2012 Conference: The new era of omics in Free Radicals in Biology and Medicine, 23 - 25 September 2013
- LXXIX. **Enhanced oxidative stress and ER stress on cardiovascular system role of vitamin E**  
KARTAL ÖZER N., KARADEMİR B.  
SFRR Europe 2013 The new era of-omics in Free Radicals in Biology and Medicine, 23 - 25 September 2013
- LXXX. **Hypercholesterolemia related signaling pathways during progression of atherosclerosis role of vitamin E**  
KARTAL ÖZER N., ÇATALGÖL B., BOZAYKUT P., SÖZEN A. E., YAZGAN B.  
XXXVIII Annual Conference of Enviromental Mutagen Society og India on Current Perspectives on Enviromental Mutagenesis and Health, 28 - 30 January 2013
- LXXXI. **Activation of AP 1 Protein and Related Increase of Matrix Metalloproteinase Expression in Hypercholesterolemia Induced Atherosclerosis**  
SÖZEN A. E., BOZAYKUT P., KARADEMİR B., YAZGAN B., USTUNSOY S., KARTAL ÖZER N.  
37th FEBS Congress, From Single Molecules to Systems Biology, Sevilla, Spain, 4 - 09 September 2012
- LXXXII. **The effect of hypercholesterolemia induced oxidative stress on cardiac failure and autophagy role of vitamin E**  
SÖZEN A. E., YAZGAN B., ÇATALGÖL B., BOZAYKUT P., KAGA E., KARTAL ÖZER N.  
FEBS Special Meeting on Quality Control and Ubiquitin Systems in Health and Disease, 14 - 16 November 2012
- LXXXIII. **Hypercholesterolemia related signaling pathways towards atherosclerosis role of vitamin E**  
KARTAL ÖZER N., KARADEMİR B., YAZGAN B., USTUNSOY S., KAGA E., BOZAYKUT P., SÖZEN A. E.  
Second International Conference on Environmental Stressors in Biology and Medicine, 5 - 07 October 2011
- LXXXIV. **Heat shock proteins in the post translational modifications**  
KARADEMİR B., BOZAYKUT P., SÖZEN A. E., KAGA E., KARTAL ÖZER N., GRUNE T.  
SFRR-Europe 2011 Meeting, Redox Biology and Micronutrients: From signaling to translation and back, İstanbul, Turkey, 7 - 10 September 2011
- LXXXV. **Role Of Protein Kinase C c Jun And Matrix Metalloproteinase In Hypercholesterolemia Induced Atherosclerosis**  
SÖZEN A. E., KARADEMİR B., YAZGAN B., USTUNSOY S., BOZAYKUT P., KAGA E., KARTAL ÖZER N.  
SFRR-Europe 2011 Meeting, Redox Biology and Micronutrients: From signaling to translation and back, 7 - 10 September 2011
- LXXXVI. **Induction of vascular antioxidant defences in response to dietary lipids and atherogenesis in hypercholesterolemic diet**

BOZAYKUT P., ÇATALGÖL B., YAZGAN B., SÖZEN A. E., SİOW R., MANN G., KARTAL ÖZER N.

Physiology 2011 Congress Oxford University, 11 - 14 July 2011

**LXXXVII. Correlation of CD36 expression between aorta and peripheral blood mononuclear cells in hypercholesteremic rabbits**

YAZGAN B., ÇATALGÖL B., USTUNSOY S., KARTAL ÖZER N.

SFRR-E Redox Biology and Micronutrients, 7 - 10 September 2011

**LXXXVIII. Expressions of Matrix Metalloproteinases in Atherosclerosis**

BOZAYKUT P., KARADEMİR B., KAGA E., SÖZEN A. E., KARTAL ÖZER N.

35th FEBS Congress Molecules of Life, Gothenburg, Sweden, 26 July - 01 August 2010

**LXXXIX. Oxidative Stress Related Signaling Pathways Related in Atherosclerosis Process**

SÖZEN A. E., KARADEMİR B., KAGA E., BOZAYKUT P., KARTAL ÖZER N.

Protein maintenance and turnover in ageing & diseases, FEBS Advanced Lecture Course, Spetses Adasi, Greece, 4 - 10 June 2010

**XC. Expression of matrix metalloproteinases in atherosclerosis**

BOZAYKUT P., ÇATALGÖL B., SÖZEN A. E., YAZGAN B., KAGA E., KARTAL ÖZER N.

35th FEBS Congress Molecules of Life Gothenburg Sweden, 26 June - 01 July 2010

## Supported Projects

Şahin A., Yılmaz B., Ünal S., Gündüz O., TÜBİTAK International Multi-Cooperation Project, Nüks Glioblastoma Olgularinin Tedavisinin Kişiselleştirilmesi İçin Glioblastoma Omics-Doku-Çip Sistemi (Gotics) İşbirliğinin Oluşturulması, 2021 - 2024

Kasavi C., Arğa K. Y., Erzik C., Çalışkan M., Yılmaz B., TÜBİTAK Project, Abdominal aort anevrizmasının erken teşhis ve tedavisine yönelik biyobelirteç ve ilaç adayların belirlenmesi, 2021 - 2023

Şahin A., Yılmaz B., Atasoy B. M., Bozkurt S., Gündüz O., Bayraklı F., Nalbant Aldanmaz A., TÜBİTAK Project, Birinci Jenerasyon Proteazom İnhibitörü Bortezomib ile İkinci Jenerasyon Proteazom İnhibitörü Carfilzomib'xxin Glioblastoma Multiforme Üç Boyutlu Hücre Kültüründe Anti-Tümör ve Nöral Hücre Toksikitesi Cevabının İncelenmesi, 2018 - 2021

Yalçın A. S., Yılmaz B., Yılmaz Göler A. M., TÜBİTAK International Bilateral Joint Cooperation Program Project, In vitro investigation of extracellular signaling and communication between liver cancer cells and neighboring cells, 2017 - 2019

Kartal Özer N., Yılmaz B., Sözen A. E., TÜBİTAK Project, Hiperkolesterolemi ile Oluşturulan Non Alkolik Karaciğer Yağlanması Karaciğerdeki Moleküler Mekanizmanın İncelenmesi, 2015 - 2018

Kasımay Çakır Ö., Özbeyli D., Kaya Ö. T., Özkan Yenal N., Yılmaz B., Project Supported by Higher Education Institutions, Şıçanda deneysel Alzheimer modelinde farklı egzersiz modellerinin kognitif fonksiyonlar üzerine olan etki mekanizmalarının incelenmesi, 2014 - 2016

Yılmaz B., Kartal Özer N., Koçtürk A. S., TÜBİTAK Project, Proteazom İnhibisyonu Ve Şaperon Aracılı Otofaji İnhibisyonu Kombinasyonunun Meme Kanseri Hücrelerinde Apoptoz Ve Otofaji Açısından Değerlendirilmesi, 2013 - 2015

Kartal Özer N., Karademir B., TÜBİTAK Project, The Roles of Heat Shock Proteins in Oxidative Protein Modifications During Aging Process, 2011 - 2014

## Metrics

Publication: 194

Citation (WoS): 2353

Citation (Scopus): 2582

H-Index (WoS): 22

H-Index (Scopus): 26

## Awards



Yılmaz B., Cancer Researcher of the year by MOKAD, Molecular Cancer Research Association, January 2021

Kasımay akır ., zbeyli D., Sarı G., zkan N., Karademir B., Yksel M., Őirvancı S., Was Selected as one of the ten best scientific paper submitted, European Medical Fitness Congress, May 2016

zbeyli D., Sarı G., zkan N., Karademir B., Yksel M., Őirvancı S., Kasımay akır ., Best Paper , Federation Of Physiology Societies (Feps), August 2015