

## Assoc. Prof. Mehmet Berköz

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Mersin University, Sağlık Bilimleri Enstitüsü, Turkey 2014 - 2017

Postgraduate, Mersin University, Sağlık Bilimleri Enstitüsü, Turkey 2009 - 2012

Postgraduate, Mersin University, Sağlık Bilimleri Enstitüsü, Turkey 2004 - 2007

Undergraduate, İstanbul University-Cerrahpaşa, Cerrahpasa Faculty Of Medicine, Department of Medical Biological Sciences, Turkey 1998 - 2002

### Foreign Languages

English, B2 Upper Intermediate

### Certificates, Courses and Trainings

Health&Medicine, Deney Hayvanları Kullanım Sertifikası, Mersin Üniversitesi Deney Hayvanları Yerel etik Kurulu, 2011

### Dissertations

Postgraduate, Türkiye piyasasındaki anti-aging preparatların deri fibroblast hücre kültürü kullanılarak antioksidan etkilerinin incelenmesi, Mersin University, Sağlık Bilimleri Enstitüsü, Farmasötik Teknoloji Anabilim Dalı, 2012

Postgraduate, Akut lenfoblastik lösemi ve akut miyeloid lösemi vakalarında CYP2B6 geni G15631T gen polimorfizminin araştırılması, Mersin University, Sağlık Bilimleri Enstitüsü, Eczacılık Biyokimya Anabilim Dalı, 2007

### Research Areas

Basic Pharmaceutics Sciences, Health Sciences, Pharmacology and Therapeutics, Biochemistry

### Academic Titles / Tasks

Associate Professor, Van Yüzüncü Yil University, Eczacılık Fakültesi, Eczacılık Temel Bilimleri, 2023 - Continues

Assistant Professor, Van Yüzüncü Yil University, Eczacılık Fakültesi, Eczacılık Temel Bilimleri, 2018 - Continues

Assistant Professor, Van Yüzüncü Yil University, Eczacılık Fakültesi, Eczacılık Temel Bilimleri, 2018 - 2018  
Lecturer PhD, Van Yüzüncü Yil University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2017 - 2018  
Lecturer, Van Yüzüncü Yil University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2012 - 2017  
Research Assistant, Mersin University, Institute Of Health Sciences, Temel Eczacılık Bilimleri Bölümü, 2009 - 2012

## Academic and Administrative Experience

Van Yüzüncü Yil University, Eczacılık Fakültesi, Eczacılık Teknolojisi Bölümü, 2017 - 2020  
Van Yüzüncü Yil University, Eczacılık Fakültesi, 2017 - 2019

## Advising Theses

Berköz M., Kurşun asetat maruziyeti sonucu oluşan nefrotoksisiteye karşı mirisetin, kaemferol, fisetin ve galanginin koruyucu rolünün araştırılması, Postgraduate, A.YİĞİT(Student), 2021  
Berköz M., Meme kanserinde usnik asitin inflamasyon üzerine olan etkilerinin araştırılması, Doctorate, M.Yıldırım(Student), 2019  
Berköz M., Aç Farelere Skopolamin Uygulanması ve Yem Verilmesi ile Oluşan Konvülsiyonlarda MK-801'in Beyin Dokusundaki Oksidatif Stres, İnflamasyon ve Ghrelin Düzeylerine Etkilerinin Araştırılması, Postgraduate, Y.Akkuş(Student), 2019

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

- I. **Protective Role of Myricetin and Fisetin Against Nephrotoxicity Caused by Lead Acetate Exposure through Up-regulation of Nrf2/HO-1 Signalling Pathway**  
Berköz M., Yiğit A., Krośniak M.  
Biological Trace Element Research, vol.202, no.9, pp.4032-4046, 2024 (SCI-Expanded)
- II. **Boswellic Acid and Betulinic Acid Pre-treatments Can Prevent the Nephrotoxicity Caused by Cyclophosphamide Induction**  
Berköz M., Çiftçi O.  
Doklady Biochemistry and Biophysics, vol.517, no.1, pp.115-126, 2024 (SCI-Expanded)
- III. **Protective roles of some natural and synthetic aromatase inhibitors in testicular insufficiency caused by Bisphenol A exposure**  
Berköz M., Yalın S., Türkmen Ö.  
International Journal of Environmental Health Research, 2024 (SCI-Expanded)
- IV. **Effects of fisetin on ethanol-induced rewarding properties in mice**  
Yalın Y., Yunusoğlu O., Berköz M., Demirel M. E.  
American Journal of Drug and Alcohol Abuse, vol.50, no.1, pp.75-83, 2024 (SCI-Expanded)
- V. **Hepatoprotective potentials of Usnea longissima Ach. and Xanthoparmelia somloensis (Gyelnik) Hale extracts in ethanol-induced liver injury**  
Berköz M., Aslan A., Yunusoğlu O., Krośniak M., Francik R.  
Drug and Chemical Toxicology, 2024 (SCI-Expanded)
- VI. **The Effect of Sitagliptin and Exenatide on Insulin, Insulin Receptor and Insulin Receptor Substrate Gene Expression in Diabetic Rats**  
Yildirim M., Mistik O. A., Yalın A., Comelekoglu U., Berköz M., Arpacı R. B., Yalın S.  
Russian Journal of Bioorganic Chemistry, vol.49, no.3, pp.610-615, 2023 (SCI-Expanded)
- VII. **Protective role of resveratrol and apigenin against toxic effects of bisphenol a in rat salivary gland**  
Çetin Y. S., Altındağ F., Berköz M.  
DRUG AND CHEMICAL TOXICOLOGY, vol.46, no.1, pp.88-96, 2023 (SCI-Expanded)

- VIII. **Anti-Inflammatory Effects of Usnic Acid in Breast Cancer**  
Yildirim M., Degirmenci U., Akkapulu M., Gungor M., Oztornaci R. O., Berköz M., Comelekoglu U., Yalin A. E., Yalin S.  
RUSSIAN JOURNAL OF BIOORGANIC CHEMISTRY, vol.48, no.SUPPL 1, 2022 (SCI-Expanded)
- IX. **The Toxicological Risk Assessment of Cu, Mn, and Zn as Essential Elemental Impurities in Herbal Medicinal Products with Valerian Root (*Valeriana officinalis* L., radix) Available in Polish Pharmacies**  
Jurowski K., Folta M., Tatar B., Berköz M., Krosniak M.  
BIOLOGICAL TRACE ELEMENT RESEARCH, vol.200, no.4, pp.1949-1955, 2022 (SCI-Expanded)
- X. **The Health Risk Assessment of Essential Elemental Impurities (Cu, Mn and Zn) Through the Dermal Exposure of Herbal Ointment Extracted from Marjoram Herb (*Majoranae herbae extractum*)**  
Jurowski K., Folta M., Tatar B., Berköz M., Krosniak M.  
BIOLOGICAL TRACE ELEMENT RESEARCH, vol.200, no.4, pp.1981-1987, 2022 (SCI-Expanded)
- XI. **The Toxicological Risk Assessment of Dermal Exposure of Patients Exposed to Nickel and Chromium due to Application of Ointments with Marjoram Herb Extract (*Majoranae Herbae Extractum*) Available in Polish Pharmacies**  
Jurowski K., Folta M., Tatar B., Berköz M., Krosniak M.  
BIOLOGICAL TRACE ELEMENT RESEARCH, vol.200, pp.1965-1971, 2022 (SCI-Expanded)
- XII. **The Influence of Organic Vanadium Complexes on an Antioxidant Profile in Adipose Tissue in Wistar Rats**  
Francik R., Kryczyk-Koziol J., Krosniak M., Francik S., Hebda T., Pedryc N., Knapczyk A., Berkoez M., Slipek Z.  
MATERIALS, vol.15, no.5, 2022 (SCI-Expanded)
- XIII. **The Toxicological Risk Assessment of Lead and Cadmium in *Valeriana officinalis* L., radix (Valerian root) as Herbal Medicinal Product for the Relief of Mild Nervous Tension and Sleep Disorders Available in Polish Pharmacies**  
Jurowski K., Folta M., Tatar B., Berköz M., Krosniak M.  
BIOLOGICAL TRACE ELEMENT RESEARCH, vol.200, no.2, pp.904-909, 2022 (SCI-Expanded)
- XIV. **Investigation of the impact of antiparasitic drug moxidectin on the rewarding effects of alcohol**  
Ekici A., Gürbüz E., Berköz M., Türkmen Ö., Başbuğan Y., Yunusoğlu O.  
General Physiology and Biophysics, vol.41, no.3, pp.245-253, 2022 (SCI-Expanded)
- XV. **Prophylactic effect of myricetin and apigenin against lipopolysaccharide-induced acute liver injury**  
Berköz M., Unal S., KARAYAKAR F., Yunusoğlu O., ÖZKAN YILMAZ F., ÖZLÜER HUNT A., Aslan A.  
MOLECULAR BIOLOGY REPORTS, vol.48, no.9, pp.6363-6373, 2021 (SCI-Expanded)
- XVI. **Ni and Cr impurities profile in *Valeriana officinalis* L., radix-based herbal medicinal product available in polish pharmacies due to ICH Q3D guideline**  
Jurowski K., Folta M., Tatar B., Berköz M., Krosniak M.  
REGULATORY TOXICOLOGY AND PHARMACOLOGY, vol.123, 2021 (SCI-Expanded)
- XVII. **An investigation of the relation between catalase C262T gene polymorphism and catalase enzyme activity in leukemia patients**  
ERAS N., Turkoz G., TOMBAK A., Tiftik N., YALIN S., Berköz M., ERDEN S., AKBAŞ E.  
ARCHIVES OF MEDICAL SCIENCE, vol.17, no.4, pp.928-933, 2021 (SCI-Expanded)
- XVIII. **Protective effect of myricetin, apigenin, and hesperidin pretreatments on cyclophosphamide-induced immunosuppression**  
Berköz M., YALIN S., ÖZKAN YILMAZ F., ÖZLÜER HUNT A., Krosniak M., Francik R., Yunusoğlu O., Adiyaman A., Gezici H., Yigit A., et al.  
IMMUNOPHARMACOLOGY AND IMMUNOTOXICOLOGY, vol.43, no.3, pp.353-369, 2021 (SCI-Expanded)
- XIX. **PUNICALAGIN AND PUNICALIN SUPPRESS THE ADIPOCYTE DIFFERENTIATION THROUGH THE TRANSCRIPTION FACTORS.**  
Berköz M., Yalin S., Yildirim M., Yalin A. E., Çömelekoğlu Ü.  
Acta endocrinologica (Bucharest, Romania : 2005), vol.17, no.2, pp.157-167, 2021 (SCI-Expanded)
- XX. **Artesunate inhibits melanoma progression in vitro via suppressing STAT3 signaling pathway**  
Berköz M., ÖZKAN YILMAZ F., ÖZLÜER HUNT A., Krosniak M., Türkmen Ö., Korkmaz D., Keskin S.  
PHARMACOLOGICAL REPORTS, vol.73, no.2, pp.650-663, 2021 (SCI-Expanded)

- XXI. **THE PROTECTIVE EFFECT OF ALPHA LIPOIC ACID ON RETINAL DAMAGE IN STREPTOZOTOCIN-INDUCED DIABETIC RATS**  
Berköz M., Yildirim M., BAHAR L., SUCU N., İlhan M., YALIN A. E.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.30, pp.8824-8833, 2021 (SCI-Expanded)
- XXII. **PAI-1 and tPA gene polymorphisms and susceptibility to chronic obstructive pulmonary disease in a sample of Turkish population**  
Sünnetçioğlu A., Berköz M., Yildirim M., Bora G., Yalin S.  
Journal of the Pakistan Medical Association, vol.70, no.12 B, pp.2310-2315, 2020 (SCI-Expanded)
- XXIII. **Prophylactic effect of Biochanin A in lipopolysaccharide-stimulated BV2 microglial cells**  
Berköz M., Krosniak M., ÖZKAN YILMAZ F., ÖZLÜER HUNT A.  
IMMUNOPHARMACOLOGY AND IMMUNOTOXICOLOGY, vol.42, no.4, pp.330-339, 2020 (SCI-Expanded)
- XXIV. **Myricetin inhibits angiotensin converting enzyme and induces nitric oxide production in HUVEC cell line**  
Berköz M., YILDIRIM M., YALIN S., İlhan M., Yunusoğlu O.  
GENERAL PHYSIOLOGY AND BIOPHYSICS, vol.39, no.3, pp.249-258, 2020 (SCI-Expanded)
- XXV. **Punicalagin induces apoptosis in A549 cell line through mitochondria-mediated pathway**  
Berköz M., Krosniak M.  
GENERAL PHYSIOLOGY AND BIOPHYSICS, vol.39, no.6, pp.557-567, 2020 (SCI-Expanded)
- XXVI. **Roe protein hydrolysate of *Alburnus tarichi* induces apoptosis in breast cancer MCF-7 and MDA-MB-231 cells through a caspase-dependent pathway**  
Berköz M., ÖZKAN YILMAZ F., ÖZLÜER HUNT A., Krosniak M., Türkmen Ö., Yunusoğlu O.  
GENERAL PHYSIOLOGY AND BIOPHYSICS, vol.39, no.5, pp.449-460, 2020 (SCI-Expanded)
- XXVII. **EFFECT OF HYPEROSIDE ON THE INHIBITION OF ADIPOGENESIS IN 3T3-L1 ADIPOCYTES**  
Berköz M.  
ACTA ENDOCRINOLOGICA-BUCHAREST, vol.15, no.2, pp.165-172, 2019 (SCI-Expanded)
- XXVIII. **INFLUENCE OF SUBLETHAL CHLORPYRIFOS EXPOSURE ON OXIDATIVE STRESS AND ACETYLCHOLINESTERASE ACTIVITY IN COMMON CARP (*CYPRINUS CARPIO*)**  
Berköz M., Ozkan-Yilmaz F., Ozluer-Hunt A., Gunduz S. G., Yildirim M., Yalin S.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.28, no.6, pp.4642-4649, 2019 (SCI-Expanded)
- XXIX. **HEPATOPROTECTIVE EFFECT OF NIGELLA SATIVA L. EXTRACT IN METHYL PARATHION EXPOSED RATS**  
Berköz M., KAHRAMAN T., Yildirim M., Yiğit M. F., Allahverdiyev O.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.28, no.10, pp.7079-7087, 2019 (SCI-Expanded)
- XXX. **Diosmin suppresses the proinflammatory mediators in lipopolysaccharide-induced RAW264.7 macrophages via NF-kappa B and MAPKs signal pathways**  
Berköz M.  
GENERAL PHYSIOLOGY AND BIOPHYSICS, vol.38, no.4, pp.315-324, 2019 (SCI-Expanded)
- XXXI. **ROSA CANINA L. ETHANOLIC EXTRACT INDUCES THE ANTI-PROLIFERATIVE AND APOPTOSIS POTENTIAL IN MCF-7 AND MDA-MB-468 CELL LINES**  
Berköz M., Ozkan-Yilmaz F., Ozluer-Hunt A., Yildirim M., Allahverdiyev O., Aslan A.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.28, no.5, pp.3718-3723, 2019 (SCI-Expanded)
- XXXII. **EFFECTS OF FENBUTATIN OXIDE ON ANTIOXIDANT SYSTEM OF DIFFERENT TISSUES IN *Cyprinus carpio* (L., 1758)**  
Ozkan-Yilmaz F., Ozluer-Hunt A., Gunduz S. G., Berköz M., Yalin S., Yildirim M.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.26, no.10, pp.6141-6148, 2017 (SCI-Expanded)
- XXXIII. **Association between PON1 L55M polymorphism and PON1 enzyme activity in patients with leukemia Lösemi hastalarında PON1 L55M Polimorfizmi ile PON1 enzim aktivitesi arasındaki ilişki**  
Eras N., Tombak A., Tiftik N., Yalin S., Berköz M., Kul S., Akbas E.  
UHOD - Uluslararası Hematoloji-Onkoloji Dergisi, vol.27, no.1, pp.21-28, 2017 (SCI-Expanded)
- XXXIV. **Can curcumin modulate allergic rhinitis in rats?**  
ACAR M., Muluk N. B., Yigitaslan S., CENGİZ B., Shojaolsadati P., Karimkhani H., ADA S., Berköz M., Cingi C.

- Journal of Laryngology and Otology, vol.130, no.12, pp.1103-1109, 2016 (SCI-Expanded)
- XXXV. **Is Nasal Polyposis Related to Levels of Serum Vitamin D and Vitamin D Receptor Gene Expression?**  
ERDAG O., Turan M., Ucler R., Berköz M., Garca M. F., Bozan N., Kiroğlu A. F., Cankaya H.  
MEDICAL SCIENCE MONITOR, vol.22, pp.4636-4643, 2016 (SCI-Expanded)
- XXXVI. **Determination of genotoxic effects of hookah smoking by micronucleus and chromosome aberration methods**  
Eker E. D., KOYUNCU H., Şahin N. Ö., YÜKSEL A., Berköz M., Diler S. B., Akgül S. A.  
Medical Science Monitor, vol.22, pp.4490-4494, 2016 (SCI-Expanded)
- XXXVII. **Antioxidant activities of curcumin in allergic rhinitis**  
ALTINTOPRAK N., KAR M., Acar M., Berköz M., Muluk N. B., Cingi C.  
European Archives of Oto-Rhino-Laryngology, vol.273, no.11, pp.3765-3773, 2016 (SCI-Expanded)
- XXXVIII. **Thymoquinone Reduces the Inflammatory Response in Adipocytes**  
Berköz M., Allahverdiyev O., YILDIRIM M., YALIN S.  
ACTA PHYSIOLOGICA, vol.218, pp.50-51, 2016 (SCI-Expanded)
- XXXIX. **Investigation of the association between chronic hepatitis B and C infections and TNF- $\alpha$ (-308) Gene polymorphism Kronik Hepatit B ve C Enfeksiyonlari ile TNF- $\alpha$ (-308) Gen Polimorfizmi Arasindaki İlişkinin Araştinlmasi**  
Börekçi G., Aras N., Kandemir Ö., Yalin S., Karakaş Çelik S., Berköz M.  
Mikrobiyoloji Bulteni, vol.50, no.2, pp.236-244, 2016 (SCI-Expanded)
- XL. **Effects of Dietary Nucleotide Yeast on Immune Responses and Antioxidant Enzyme Activities of Rainbow Trout Juveniles (*Oncorhynchus mykiss*)**  
ÖZLÜER HUNT A., ÖZKAN YILMAZ F., Berköz M., ENGİN K., Gunduz S. G., YALIN S.  
ISRAELI JOURNAL OF AQUACULTURE-BAMIDGEH, vol.68, 2016 (SCI-Expanded)
- XLI. **EFFECTS OF METHIDATHION ON ANTIOXIDANT SYSTEM AND EXPRESSION OF HEAT SHOCK PROTEIN 70 (HSP70) GENE IN THE LIVER OF *Oreochromis niloticus* L. 1758**  
ÖZKAN YILMAZ F., ÖZLÜER HUNT A., Gunduz S. G., Berköz M., YALIN S., ŞAHİN N. Ö.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.24, pp.2650-2658, 2015 (SCI-Expanded)
- XLII. **Assessment of liver volume with computed tomography and comparison of findings with ultrasonography**  
Bora A., ALPTEKİN C., Yavuz A., Batur A., AKDEMİR Z., Berköz M.  
ABDOMINAL IMAGING, vol.39, no.6, pp.1153-1161, 2014 (SCI-Expanded)
- XLIII. **Possible role of selective serotonin reuptake inhibitor sertraline on oxidative stress responses**  
Battal D., Yalin S., Eker E. D., Aktas A., Sahin N. O., Cebo M., Berköz M.  
EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES, vol.18, no.4, pp.477-484, 2014 (SCI-Expanded)
- XLIV. **Promoter polymorphisms of IL18 gene in chronic hepatitis C patients Kronik hepatit C hastalarinda IL18 promotor bölge polimorfizmi**  
Karakaş-Çelik S., Börekçi G., Kandemir Ö., Yalin S., Berköz M., Bekalp I., Kubilay A., Aras N.  
Gazi Medical Journal, vol.25, no.4, pp.125-127, 2014 (SCI-Expanded)
- XLV. **The Effects of Fish Meal Replacement by Yeast Based Nucleotides on Growth, Body Composition and Digestive Enzyme Activity in Rainbow Trout Juveniles (*Onchorchyncus mykiss*)**  
ÖZLÜER HUNT A., Yilmaz F. O., ENGİN K., Berköz M., Gunduz S. G., YALIN S., ŞAHİN N. Ö.  
ISRAELI JOURNAL OF AQUACULTURE-BAMIDGEH, vol.66, 2014 (SCI-Expanded)
- XLVI. **Effects of dietary selenium of organic form against lead toxicity on the antioxidant system in *Cyprinus carpio***  
Özkan-Yılmaz F., Özlüer-Hunt A., Gündüz S. G., Berköz M., Yalin S.  
Fish Physiology and Biochemistry, vol.40, no.2, pp.355-363, 2014 (SCI-Expanded)
- XLVII. **IRS-2 G1057D polymorphism in Turkish patients with colorectal cancer**  
Hulya Yukseloglu E., Karakas Celik S., Urhan Kucuk M., Yalin E., Sebnem Ozkal S., ATES C., Berköz M., Yalin S., Aras Ates N.  
Przegląd Gastroenterologiczny, vol.9, no.2, pp.88-92, 2014 (SCI-Expanded)

- XLVIII. Electrophysiological, biochemical and ultrastructural effects of radiotherapy on normal rat sciatic nerve.**  
AKTAS S., COMELEKOGLU U., YILMAZ S., YALIN S., ARSLANTAS S., YILMAZ B., SOGUT F., Berkoz M., SUNGUR M.  
International journal of radiation biology, vol.89, pp.155-61, 2013 (SCI-Expanded)
- XLIX. Role of Free Radicals on Retinitis Pigmentosa**  
Tumay M., Hatungil R., Berkoz M., Yalin S., Erdogan S.  
ASIAN JOURNAL OF CHEMISTRY, vol.25, no.3, pp.1561-1564, 2013 (SCI-Expanded)
- L. The protective role of ascorbic acid (vitamin C) against chlorpyrifos-induced oxidative stress in Oreochromis niloticus.**  
OZKAN F., GÜNDÜZ S., Berköz M., HUNT A., YALIN S.  
Fish physiology and biochemistry, vol.38, pp.635-43, 2012 (SCI-Expanded)
- LI. Effect of Cutaneous Leishmaniasis Treatment on Serum Adenosine/Deoxyadenosine Deaminase Activities**  
Culha G., Berkoz M., Yalin S., Gulkan B.  
ASIAN JOURNAL OF CHEMISTRY, vol.24, no.5, pp.1971-1974, 2012 (SCI-Expanded)
- LII. Ovariectomy decreases biomechanical quality of skin via oxidative stress in rat**  
Comelekoglu U., Yalin S., Balli E., Berkoz M.  
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.42, no.2, pp.201-209, 2012 (SCI-Expanded)
- LIII. Strontium ranelate treatment improves oxidative damage in osteoporotic rat model**  
Yalin S., Sagir O., Comelekoglu U., Berkoz M., Eroglu P.  
PHARMACOLOGICAL REPORTS, vol.64, no.2, pp.396-402, 2012 (SCI-Expanded)
- LIV. Effect of Funalia trogii in heart tissue of rats exposed to deltamethrin**  
Yalin S., Comelekoglu U., Mazmanci B., Balli E., Eroglu P., Sogut F., Berkoz M., Mazmanci M. A., Yalin E., Unyayar A.  
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.37, no.3, pp.239-244, 2012 (SCI-Expanded)
- LV. Rationale for an international consortium to study inherited genetic susceptibility to childhood acute lymphoblastic leukemia**  
Sherborne A. L., Hemminki K., Kumar R., Bartram C. R., Stanulla M., Schrappe M., Petridou E., Semsei A. F., Szalai C., Sinnott D., et al.  
HAEMATOLOGICA-THE HEMATOLOGY JOURNAL, vol.96, no.7, pp.1049-1054, 2011 (SCI-Expanded)
- LVI. Effect of Mannan Oligosaccharide on Growth, Body Composition, and Antioxidant Enzyme Activity of Tilapia (Oreochromis niloticus)**  
Ozluer-Hunt A., Berkoz M., Ozkan F., Yalin S., ERÇEN Z., ERDOĞAN E., Gunduz S. G.  
ISRAELI JOURNAL OF AQUACULTURE-BAMIDGEH, vol.63, 2011 (SCI-Expanded)
- LVII. EFFECTS OF DIETARY SUPPLEMENTATION OF VITAMIN C ON LEVEL OF PROTEIN CARBONYL IN LIVER AND NUCLEAR ABNORMALITIES IN PERIPHERAL ERYTHROCYTES OF Oreochromis niloticus**  
Ozkan F., Gunduz S. G., Berkoz M., Hunt A. O., Yalin S.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.20, no.6A, pp.1520-1524, 2011 (SCI-Expanded)
- LVIII. The association between cyclooxygenase-2 (COX-2/PTGS2) gene polymorphism and osteoarthritis**  
Guler V. G., Yalin S., Berkoz M., Cimen O. B., Yalin E., Eroglu P., Kanik A.  
EKLEM HASTALIKLARI VE CERRAHISI-JOINT DISEASES AND RELATED SURGERY, vol.22, no.1, pp.22-27, 2011 (SCI-Expanded)
- LIX. Induction of micronuclei and other nuclear abnormalities in peripheral erythrocytes of Nile tilapia, Oreochromis niloticus, following exposure to sublethal cadmium doses**  
Ozkan F., Gunduz S. G., Berkoz M., Hunt A. O.  
TURKISH JOURNAL OF ZOOLOGY, vol.35, no.4, pp.585-592, 2011 (SCI-Expanded)
- LX. Effects of Organic Selenium on Growth, Muscle Composition, and Antioxidant System in Rainbow Trout**  
Hunt A. O., Berkoz M., Ozkan F., Yalin S., ERÇEN Z., ERDOĞAN E., Gunduz S. G.  
ISRAELI JOURNAL OF AQUACULTURE-BAMIDGEH, vol.63, 2011 (SCI-Expanded)
- LXI. Effects of alendronate and risedronate therapy on hepatic antioxidant enzyme activity and lipid peroxidation in ovariectomized rats**

Yalin S., Comelekoglu U., Bagis S., Berkoz M., Eroglu P.

TURKISH JOURNAL OF MEDICAL SCIENCES, vol.40, no.4, pp.613-618, 2010 (SCI-Expanded)

- LXII. **Association of CYP2B6 G15631T polymorphism with acute leukemia susceptibility.**  
Berköz M., YALIN S.  
Leukemia research, vol.33, pp.919-23, 2009 (SCI-Expanded)
- LXIII. **Exposure to gamma rays induces early alterations in skin in rodents: Mechanical, biochemical and structural responses**  
Balli E., Comelekoglu U., Yalin E., Yilmaz N., Aslantas S., Sogut F., Berkoz M., Yalin S.  
ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY, vol.72, no.3, pp.889-894, 2009 (SCI-Expanded)
- LXIV. **Lipid peroxidation and antioxidant enzyme activity in acute leukemias Akut lösemilerde lipid peroksidasyonu ve antioksidan enzim aktivitesi**  
Berköz M., Yalin S., Güler V. G., Yalçın A.  
Erciyes Tıp Dergisi, vol.30, no.3, pp.157-162, 2008 (SCI-Expanded)
- LXV. **Oxidative stress and antioxidant enzyme activities in patients with cutaneous leishmaniasis in endemic region of Hatay (Antioch)**  
Culha G., Yalin E., Yalin S., Eroglu P., Berkoz M.  
ASIAN JOURNAL OF CHEMISTRY, vol.19, no.4, pp.3113-3118, 2007 (SCI-Expanded)
- LXVI. **Cadmium induced changes in lipid peroxidation and antioxidant status in brain of ovariectomized rats**  
Hatungil R., Yalin S., Comelekoglu U., Bagis S., Sahin N. O., Arslan H., Eroglu P., Berkoz M.  
Asian Journal of Chemistry, vol.18, no.2, pp.1467-1473, 2006 (SCI-Expanded)

## Articles Published in Other Journals

- I. **In vitro effects of ursolic acid on RANKL-induced osteoclast differentiation**  
BERKÖZ M., ÇETİNER M.  
Cukurova Medical Journal, vol.49, no.3, pp.712-720, 2024 (ESCI)
- II. **Investigation of antiepileptic potentials of usnic acid and some lichen species on the behavioral and biochemical levels in pentylenetetrazole-induced kindling model of epilepsy**  
Berköz M., Yunusoğlu O., Aslan A., Bozkurt A.  
Journal of Research in Pharmacy, vol.28, no.5, pp.1378-1390, 2024 (ESCI)
- III. **Investigation of protective roles of myricetin and quercetin against nephrotoxicity caused by malathion intoxication in rats**  
Berköz M., Yiğit A.  
Medicine Science, vol.12, no.2, pp.548-556, 2023 (Peer-Reviewed Journal)
- IV. **Antioxidant and anti-inflammatory effect of olive leaf extract treatment in diabetic rat brain**  
Berköz M., Kahraman T., Shamsulddin Z. N., Krośniak M.  
Journal of Basic and Clinical Physiology and Pharmacology, vol.34, no.2, pp.187-196, 2023 (Scopus)
- V. **Anti-inflammatory Potential of Thymoquinone in Tumor Necrosis Factor-alpha Stimulated SW982 Human Synovial Fibroblasts**  
Berköz M., Yunusoglu O., Krosniak M., Francik R.  
Eastern Journal of Medicine, vol.28, no.4, pp.644-652, 2023 (Scopus)
- VI. **In Vitro Anti-Obesity Effect of Aloe vera Extract Through Transcription Factors and Lipolysis-Associated Genes**  
Yunusoglu O., Türkmen Ö., Berköz M., Yıldırım M., Yalin S.  
Eastern Journal of Medicine, vol.27, no.4, pp.519-528, 2022 (Scopus)
- VII. **Investigation of the pharmacological potential of myricetin on alcohol addiction in mice**  
Yunusoglu O., BUKHARI A., Turel C. A., Demirkol M. H., Berköz M., AKKAN A. G.  
JOURNAL OF RESEARCH IN PHARMACY, vol.26, no.4, pp.722-733, 2022 (ESCI)
- VIII. **Investigation of the Effects of MK-801 on Oxidative Stress, Inflammation and Ghrelin Levels in Brain**

**Tissue in Convulsions Caused by Scopolamine Administration and Feeding in Starving Mice**

Berköz M., Akkuş Y., Yunusoğlu O.

International Journal of Scientific and Technological Research, vol.7, no.10, pp.1-13, 2021 (Peer-Reviewed Journal)

- IX. **The effects of moxidectin nicotine-conditioned cue on nicotine-seeking behavior in mice**  
Yunusoğlu O., Demirkol M. H., Berköz M., Sağmanlıgil V., Oto G., Özdemir H.  
International Journal of Advanced and Applied Sciences, vol.8, no.12, pp.117-125, 2021 (ESCI)
- X. **The effect of Rheum ribes L. On oxidative stress in diabetic rats**  
Yıldırım M., Degirmenci U., Akkapulu M., Comelekoglu U., Balli E., Metin Ozcan T., Berköz M., Yalin A. E., Yalin S.  
Journal of Basic and Clinical Physiology and Pharmacology, vol.32, no.1, 2021 (Scopus)
- XI. **An investigation of 8-hydroxy-2'-deoxyguanosine and 8-iso-prostaglandin F-2 alpha levels in patients with larynx carcinoma**  
Çetin Y. S., Duzenli U., Berköz M., Özkan H., Bozan N.  
ENT UPDATES, vol.10, no.2, pp.335-339, 2020 (ESCI)
- XII. **Can Juniperus communis L. oil improve nephropathy in diabetic rats**  
KAHRAMAN T., Berköz M., Allahverdiyev O., Mahmood E. A., YILDIRIM M., YALIN S.  
CLINICAL AND EXPERIMENTAL HEALTH SCIENCES, vol.10, no.2, pp.120-124, 2020 (ESCI)
- XIII. **Investigation of effects of PALB2 genetic variations on breast cancer predisposition**  
Bilen M. Y., Berköz M., YALIN A. E., Calikusu Z., EROĞLU P., ÇÖMELEKOĞLU Ü., YALIN S.  
CUKUROVA MEDICAL JOURNAL, vol.45, no.1, pp.186-194, 2020 (ESCI)
- XIV. **Effect of Dietary Supplementation of Inulin on Growth Performance, Digestion Enzyme Activities and Antioxidant Status of Rainbow Trout (Oncorhynchus mykiss)**  
Hunt A. Ö., Çetinkaya M., Yılmaz F. Ö., Yıldırım M., Berköz M., Yalin S.  
Turkish Journal of Agriculture-Food Science and Technology, vol.7, no.9, pp.1344-1353, 2019 (Peer-Reviewed Journal)
- XV. **Stres ve menopozun öğrenme üzerindeki etkileri**  
Berköz M., Hatungil F. R., Yalin A. E., Çömelekoğlu Ü., Yalin S., Beydağı H., Reşitoğlu B., Şahin N. Ö., Eroğlu P.  
MERSİN ÜNİVERSİTESİ SAĞLIK BİLİMLERİ DERGİSİ, vol.12, no.2, pp.210-219, 2019 (Peer-Reviewed Journal)
- XVI. **Karaciğer ve gastrointestinal sistem hastalıklarında serum C vitamini, β-karoten ve retinol düzeyleri**  
KAHRAMAN T., BERKÖZ M., ÜSTÜN R., TÜRKDOĞAN M. K.  
VAN SAĞLIK BİLİMLERİ DERGİSİ, vol.11, no.2, pp.6-10, 2018 (Peer-Reviewed Journal)
- XVII. **Investigation of Glutathion S-Transferase, Adenosine deaminase, Paraoxonase Activities in Liver of Oncorhynchus mykiss Fed with Nucleotide-Yeast Supplemented Diet**  
Yılmaz F. Ö., Hunt A. Ö., Berköz M., Yıldırım M.  
Natural and Engineering Sciences, vol.3, no.3, pp.300-310, 2018 (Peer-Reviewed Journal)
- XVIII. **Investigation of the effect of hyperforin and hypericin on inflammatory response in RAW 264.7 macrophages**  
Berköz M., Allahverdiyev O., Yıldırım M.  
VAN TIP DERGİSİ, vol.25, no.2, pp.124-131, 2018 (Peer-Reviewed Journal)
- XIX. **Advances in current medication and new therapeutic approaches in epilepsy**  
Allahverdiyev O., Dzhafar S., Berköz M., Yıldırım M.  
Eastern Journal of Medicine, vol.23, no.1, pp.48-59, 2018 (Scopus)
- XX. **1800 mhz radio-frequency electromagnetic radiation induces oxidative stress in rat liver, kidney and brain tissues**  
Berköz M., Arslan B., Yıldırım M., Aras N., Yalin S., Çömelekoğlu Ü.  
Eastern Journal of Medicine, vol.23, no.2, pp.71-78, 2018 (Scopus)
- XXI. **Organik ve İnorganik Selenyum Katkılı Yemlerle Beslenen Oreochromis niloticus 'da Antioksidan ve İmmün Sistem Parametrelerinin Araştırılması**  
ÖZLÜER-HUNT A., ÖZKAN-YILMAZ F., DELİOĞLAN Ş., BERKÖZ M.  
Turkish Journal of Agriculture - Food Science and Technology, vol.5, no.12, pp.1454-1460, 2017 (Peer-Reviewed Journal)
- XXII. **Deneysel Osteoporoz Modeli Oluşturulmuş Ratlarda Stronsiyum Ranelat Uygulanmasının Karaciğer,**



## **Böbrek ve Kas Dokularındaki Paraoksonaz ve Arilesteraz Aktivitelerine Etkisinin Araştırılması**

Berköz M., Sağır Ö., Yalın S., Çömelekoğlu Ü., Söğüt F., Eroğlu P.

Van Tıp Dergisi, vol.24, no.1, pp.12-18, 2017 (Peer-Reviewed Journal)

### **XXIII. İndoksakarb'ın İzole Kurbağa İskelet Kası Üzerine Etkisi**

Çömelekoğlu Ü., BALLI E., YALIN S., Söğüt F., YAMAN S., Eroğlu P., Berköz M.

Türkiye Klinikleri Laboratuvar Hayvanları Dergisi, vol.1, no.1, pp.13-19, 2017 (Peer-Reviewed Journal)

### **XXIV. Effect of postmenopausal strontium ranelate treatment on oxidative stress in rat skin tissue**

Berköz M., Sağır Ö., Yalın S., Çömelekoğlu Ü., Söğüt F., Eroğlu P.

Eastern Journal of Medicine, vol.22, no.4, pp.162-166, 2017 (Scopus)

### **XXV. Punicalagin isolated from punica granatum husk can decrease the inflammatory response in RAW 264.7 macrophages**

Berköz M., Allahverdiyev O.

Eastern Journal of Medicine, vol.22, no.2, pp.57-64, 2017 (Scopus)

### **XXVI. Investigation of Brucella seroprevalence in human and livestock in Iğdır, Turkey**

Bora G., AKKOYUNLU Y., Berköz M., Açıkgöz G., BERKTAŞ M., Altındağ F., BORA A.

Eastern Journal of Medicine, vol.21, no.3, pp.107-112, 2016 (Scopus)

### **XXVII. Investigation of the association between chronic hepatitis B and C infection and interleukin 2 (-330) gene polymorphism Kronik Hepatit B ve C Enfeksiyonu ile İnterlökün-2 (-330) Gen Polimorfizmi Arasındaki İlişkinin Araştırılması**

Börekcı G., Yalın S., Kandemir Ö., Çelik S. K., Berköz M., Aras N.

Gazi Medical Journal, vol.27, no.4, pp.185-188, 2016 (ESCI)

### **XXVIII. Effect of capsaicin on transcription factors in 3T3-L1 cell line**

Berköz M., Yildirim M., Arvas G., Türkmen Ö., Allahverdiyev O.

Eastern Journal of Medicine, vol.20, no.1, pp.34-45, 2015 (Scopus)

### **XXIX. The neuroprotective effect of Cornus mas on brain tissue of wistar rats**

Francik R., Kryczyk J., Krošniak M., Berköz M., Sanocka I., Francik S.

Scientific World Journal, vol.2014, 2014 (Scopus)

### **XXX. Lipid Peroxidation and Antioxidant Enzyme Activity in Acute Leukemias**

Berköz M., Yalın S., Guler V. G., Yalcin A.

ERCIYES MEDICAL JOURNAL, vol.30, no.3, pp.157-162, 2008 (ESCI)

## **Refereed Congress / Symposium Publications in Proceedings**

### **I. Does Sesamol Have Antitumoral Activity on A375 Melanoma Cells**

Yiğit M. İ., Berköz M.

International Asklepios Congress on Medicine, Nursing, Midwifery, and Health Sciences, Aydın, Turkey, 15 - 17 May 2024, pp.313-326

### **II. Investigation of The Anti-Inflammatory Effect of Atranorin Treatment**

Kaplan M., Berköz M.

7th International Cukurova Agriculture and Veterinary Congress, Adana, Turkey, 9 - 10 March 2024, pp.1025-1035

### **III. Investigation of Antiproliferative, Antimetastatic, Apoptotic and Anti-Inflammatory Activities of Diosmin on Laryngeal Cancer**

Erdil R., Berköz M.

7th International Cukurova Agriculture and Veterinary Congress, Adana, Turkey, 9 - 10 March 2024, pp.1036-1048

### **IV. Investigation of The Antiproliferative, Antimetastatic, Apoptotic and Anti- Inflammatory Potentials of Carvacrol on Melanoma Cells**

Yiğit M. İ., Berköz M.

3rd International İzmir Congress on Medicine, Nursing, Midwifery, and Health Sciences, İzmir, Turkey, 14 - 16 February 2024, pp.623-631

### **V. Investigation of The Anti-enflamatory Effect of Usnic Acid Administration on BV2 Microglia Cells**

## **Induced by Lipopolysaccharide**

Dinler Tartık Z., Berköz M.

3rd International İzmir Congress on Medicine, Nursing, Midwifery, and Health Sciences, İzmir, Turkey, 14 - 16 February 2024, pp.632-639

- VI. **Kurşun Asetata Maruziyetin Neden Olduğu Nefrotoksisiteye Karşı Mirisetin ve Fisetinin Nrf2/HO-1 Sinyal Yolunun Artırılması Yoluyla Koruyucu Rolü**  
Yiğit A., Berköz M.  
6. ULUSLARARASI SAĞLIK BİLİMLERİ VE YAŞAM KONGRESİ (IHSLC 2023), Burdur, Turkey, 2 - 05 March 2023, pp.57-67
- VII. **Investigation of Anti-inflammatory Activities of Punicalagin, Myricetin, Kaempferol and Fisetin in the Adjuvant-induced Experimental Arthritis Model**  
Gezici H., Berköz M.  
6. ULUSLARARASI SAĞLIK BİLİMLERİ VE YAŞAM KONGRESİ (IHSLC 2023), Burdur, Turkey, 2 - 05 March 2023, pp.68-78
- VIII. **Farelerde deneysel epileptik modelde propolisin beyinde asetilkolinesteraz ve oksidatif stres üzerine etkisinin araştırılması**  
Karaye B., Berköz M., Yunusoğlu O., Kahraman T.  
3 rd INTERNATIONAL APRIL 23 SCIENTIFIC STUDIES CONGRESS, Ankara, Turkey, 23 - 25 April 2021, pp.41
- IX. **The Effect of Nigella Sativa L. Extract on Total Oxidant-Antioxidant Capacity and Some Biochemical Parameter Levels in Serum of the Methyl Parathion Exposed Rats**  
Kahraman T., Yiğit M., Berköz M., YORUK I. H.  
2nd International Congress on Applied Biological Sciences, Bosnia And Herzegovina
- X. **Antioxidant Activity of Rosmarinus officinalis Essential Oil**  
Berköz M.  
V. International Congress on Natural and Health Sciences (ICNHS-2019), Adana, Turkey, 13 - 15 December 2019, pp.367-374
- XI. **Antioxidant and anti-lipoxygenase activities of Cydonia oblonga**  
Berköz M.  
International Multidisciplinary Symposium on Drug Research and Development (DRD 2019), Malatya, Turkey, 1 - 03 July 2019, pp.263-266
- XII. **Antioxidant, Anti-Cholinesterase, Cytotoxic And Anti-Genotoxic Effects Of Hypericum Origanifolium Var. Origanifolium Flower, Fruit And Seed Methanol Extracts**  
Berköz M.  
3. International Conference on Agriculture, Food, Veterinary and Pharmacy Sciences, Trabzon, Turkey, 16 - 18 April 2019, pp.665
- XIII. **Phytochemical Contents And Antioxidant Properties Of Pistacia Vera Fruit**  
Türkmen Ö., Yunusoğlu O., Berköz M., Ozkan Yılmaz F., Özluer Hunt A.  
3. International Conference on Agriculture, Food, Veterinary and Pharmacy Sciences, Trabzon, Turkey, 16 - 18 April 2019, pp.669
- XIV. **Antioxidant Activity Of Various Extracts From Psidium Guajava**  
Yunusoğlu O., Berköz M., Özkan-Yılmaz F., Özluer-Hunt A., Türkmen Ö.  
3. International Conference on Agriculture, Food, Veterinary and Pharmacy Sciences, Trabzon, Turkey, 16 - 18 April 2019, pp.667
- XV. **Antioxidant Activity Of An Ethnobotanically Important Plant Crocus Sativus**  
Yunusoğlu O., Berköz M., Ozkan Yılmaz F., Özluer-Hunt A., Türkmen Ö.  
3. International Conference on Agriculture, Food, Veterinary and Pharmacy Sciences, Trabzon, Turkey, 16 - 18 April 2019, pp.668
- XVI. **Lonicera Caerulea L. Extract Protects Hepg2 Cells From Oxidative Stress Injury Induced By Hydrogen Peroxide**  
Berköz M., Yunusoğlu O., Krosniak M., Francik R.  
3. International Conference on Agriculture, Food, Veterinary and Pharmacy Sciences, Trabzon, Turkey, 16 - 18 April

2019, pp.666

- XVII. **Chemical Composition, Antioxidant And Antimicrobial Effects Of Acantholimon Goeksunicum**  
Türkmen Ö., Yunusoğlu O., Berköz M., Ozkan Yılmaz F., Ozluer Hunt A.  
3. International Conference on Agriculture, Food, Veterinary and Pharmacy Sciences, Trabzon, Turkey, 16 - 18 April 2019, pp.670
- XVIII. **LİMON OTUNUN ANTIÖKSİDAN PROFİLİ**  
Berköz M., Yıldırım M.  
ÇUKUROVA I. ULUSLARARASI MULTİDİSİPLİNER ÇALIŞMALAR KONGRESİ, Adana, Turkey, 13 - 16 December 2018, pp.862-866
- XIX. **TÜRKİYE'DE YETİŞEN PİRACANTHA COCCINEA'NIN (KIZIL ATEŞ DİKENİ) FENOLİK BİLEŞİMİ VE ANTIÖKSİDAN ETKİNLİĞİNİN İNCELENMESİ**  
Berköz M.  
ÇUKUROVA I. ULUSLARARASI MULTİDİSİPLİNER ÇALIŞMALAR KONGRESİ, Adana, Turkey, 13 - 16 December 2018, pp.814-820
- XX. **INVESTIGATION OF THE EFFECT OF PUNICALAGIN ON ADIPOCYTE DIFFERENTIATION**  
Berköz M., Yalın S., Yıldırım M., Çömelekoğlu Ü., Yalın A. E.  
12th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 26 - 29 June 2018, pp.113
- XXI. **THE EFFECTS OF RADIOFREQUENCY ELECTROMAGNETIC RADIATION FROM CELL PHONE CAUSES OXIDATIVE STRESS ON HEART TISSUE IN WISTAR ALBINO RATS**  
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12th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 26 - 29 June 2018, pp.344
- XXII. **INVESTIGATION OF THE EFFECT OF VACCINIUM MYRTILLUS L. ON OXIDATIVE STRESS IN LUNG TISSUE OF DIABETIC RATS**  
Yunusoğlu O., Berköz M.  
12th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 26 - 29 June 2018, pp.347-348
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Yılmaz F. Ö., Önder Ş., Hunt A. Ö., Yıldırım M., Berköz M., Yalın S.  
12th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 26 - 22 June 2018, pp.343-344
- XXV. **EFFECTS OF ANTIHYPERGLYCEMIC AGENTS ON QT INTERVAL VALUE OF DIABETIC RATS**  
Yalın A. E., Çömelekoğlu Ü., Özbay E., Yıldırım M., Berköz M., Yalın S.  
12th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 26 - 29 June 2018, pp.333
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Yunusoğlu O., Aslan A., Berköz M.  
I. International Agricultural Science Congress, Van, Turkey, 9 - 12 May 2018, pp.371
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Yunusoğlu O., Berköz M.  
I. International Agricultural Science Congress, Van, Turkey, 9 - 12 May 2018, pp.377
- XXVIII. **Hepatoprotective Effect of Nigella sativa L. Extract in Methyl Parathion Exposed Rats**  
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I. International Agricultural Science Congress, Van, Turkey, 9 - 12 May 2018, pp.321
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I. International Agricultural Science Congress, Van, Turkey, 9 - 12 May 2018, pp.370
- XXX. **Effect of paricalcitol on paroxanase and arylesterase activities in cardiac tissue of rats exposed to radiofrequency radiation (1800 MHz)**

- Yıldırım M., Demirbağ B., Aktaş S., Berköz M., Yalın S., Çömelekoğlu Ü.  
7th International Molecular Biology and Biotechnology Congress, Konya, Turkey, 25 - 27 April 2018, pp.85
- XXXI. **The effectiveness of exenatide, sitagliptin and insulin in treatment of diabetic neuropathy: A comparative experimental study in rats**  
Yıldırım M., Özbay E., Çömelekoğlu Ü., Berköz M., Yalın S., Yalın A. E.  
7th International Molecular Biology and Biotechnology Congress, Konya, Turkey, 25 - 27 April 2018, pp.276
- XXXII. **Antimicrobial activity of sweet orange oil**  
Yunusoğlu O., Aslan A., Bora G., Berköz M.  
International Erdemli Symposium, Mersin, Turkey, 19 - 21 April 2018, pp.63-66
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Yunusoğlu O., Aslan A., Berköz M.  
International Conference on Agriculture, Forest, Food Sciences and Technologies (ICAFOF-2018), İzmir, Turkey, 2 - 05 April 2018, pp.758
- XXXV. **Anti-inflammatory properties of Prunus avium extract in LPS-induced RAW 264.7 cells**  
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International Conference on Agriculture, Forest, Food Sciences and Technologies (ICAFOF-2018), İzmir, Turkey, 2 - 05 April 2018, pp.473
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24. Ulusal Farmakoloji Kongresi, Trabzon, Turkey, 17 - 20 October 2017, pp.37
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15th International Congress of Histochemistry and Cytochemistry, Antalya, Turkey, 18 - 21 May 2017, pp.144
- XL. **The role of hyperforin on adipocyte differentiation in 3T3-L1 pre-adipocyte cell line**  
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international conference on agriculture forest food sciences and technologies (ICAFOF 2017), Nevşehir, Turkey, 15 - 17 May 2017, pp.402
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3rd International Convention of Pharmaceuticals and Pharmacies (IVEK-3), İstanbul, Turkey, 26 - 29 April 2017, pp.543
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- XLIX. **Streptozosin ile Diyabet Oluşturulan Sıçanlarda Beyin ve Karaciğer Dokularında *Ferulago angulata* (Schlecht.) Boiss Ekstresinin Bazı Oksidatif Stres Parametrelerine Etkisinin Araştırılması**  
Allahverdiyev O., KAHRAMAN T., BERKÖZ M., YILDIRIM M., YALIN S., ABBASZADE S., DEDE S., TÜREL İ.  
3. ULUSLARARASI İLAÇ VE ECZACILIK KONGRESİ, 26 - 29 April 2017
- L. **The effect of *Olea europaea* L. extract on oxidative stress in brain tissue of diabetic rats**  
Yunusoğlu O., Berköz M.  
3rd International Convention of Pharmaceuticals and Pharmacies (IVEK-3), İstanbul, Turkey, 26 - 29 April 2017, pp.815
- LI. **Streptozosin ile diyabet oluşturulan sıçanlarda beyin ve karaciğer dokularında *Ferulago angulata* (Schlecht.) Boiss ekstresinin bazı oksidatif stres parametrelerine etkisinin araştırılması**  
Yunusoğlu O., Dede S., Berköz M.  
3rd International Convention of Pharmaceuticals and Pharmacies (IVEK-3), İstanbul, Turkey, 26 - 29 April 2017, pp.742
- LII. **Investigation of the effect of *Vaccinium myrtillus* L. extract on oxidative stress in kidney tissues of diabetic rats**  
Yunusoğlu O., Berköz M.  
III. Mediterranean Pharmacy Congress, Mersin, Turkey, 21 - 23 April 2017, pp.9-10
- LIII. **The effects of dietary fish oil replacement by plant oils on the growth, whole body and tissue fatty acid and nutrient composition and digestive enzyme activities in Nile Tilapia (*Oreochromis niloticus* L.).**  
Engin K., Yılmaz H. A., Eroldoğan O. T., ÖZLÜER-HUNT A., ÖZKAN-YILMAZ F., Berköz M., Özşahinoğlu I., Mumoğullarında P., Uysal A., YALIN S., et al.  
World Aquaculture Society Conference. 26-30 June 2017, Cape Town, South Africa, Cape Town, South Africa, 26 - 30 June 2016, pp.184
- LIV. **The effect of *Nigella sativa* L. extract on total oxidant-antioxidant capacity and some biochemical parameter levels in serum of the methyl parathion exposed rats**

KAHRAMAN T., YIĞİT M. F., BERKÖZ M., YÖRÜK İ. H.

2nd International Congress on Applied Biological Sciences, Sarajevo, Bosnia And Herzegovina, 27 - 31 May 2016, pp.65

**LV. The Effect of Nigella Sativa L. Extract on Total Oxidant-Antioxidant Capacity and Some Biochemical Parameter Levels in Serum of the Methyl Parathion Exposed Rats**

Kahraman T., Yiğit M., Berköz M., Yörük İ. H.

2 nd International Congress on Applied Biological Sciences, Saraybosna, Bosnia And Herzegovina, 27 - 31 May 2016, pp.65

**LVI. Nazal polipozis, vitamin D reseptör gen ekspresyonu ile ilişkili midir ?**

Turan M., Erdağ Ö., Üçler R., Berköz M., Garça M. F., Bozan N., Kiroğlu A. F., Çankaya H.

37. Türk Ulusal Kulak Burun Boğaz ve Baş-Boyun Cerrahisi Kongresi, Antalya, Turkey, 28 October - 01 November 2015, pp.6

**LVII. Effect of Co-60 gamma irradiation on the lipid peroxidation and ultrastructure of rat gastrocnemius muscle**

Yalin S., Yilmaz N., Aslantas S., Comelekoglu U., Berköz M., Guler V., Eroglu P., Oztuna S., Coskun B., Oguz I.

31st Congress of the Federation-of-European-Biochemical-Societies (FEBS), İstanbul, Turkey, 24 - 29 June 2006, vol.273, pp.162

## Supported Projects

Berköz M., ERAD Y., Project Supported by Higher Education Institutions, Tümör Nekroz Faktör Alfa ile İndüklenen Endotel Disfonksiyon Modelinde Fisetin Uygulamasının Antiaterojenik ve Antienflamatuvar Parametreler Üzerindeki Etkinliğinin İncelenmesi, 2023 - 2024

Berköz M., ÇEVİK M., Project Supported by Higher Education Institutions, Metotreksat İntoksikasyonuna Karşı Bromelain Tedavisinin Etkinliğinin Araştırılması, 2023 - 2024

Ayan A., Berköz M., KILIÇ E. G., Project Supported by Higher Education Institutions, Lipopolisakkarit Kaynaklı Endotoksemide Biochanin A ve Formononetin Uygulamasının Böbrek Hasarını Önlemeye Etkisi, 2022 - 2024

Berköz M., KILIÇ S., Project Supported by Higher Education Institutions, Liken kaynaklı bazı sekonder metabolitlerin A375 melanoma hücreleri üzerindeki antitümöral potansiyellerinin incelenmesi, 2022 - 2024

Berköz M., CEYLAN H., Project Supported by Higher Education Institutions, Sisplatin ile İndüklenmiş Nefrotoksisiteye Karşı Bromelain Tedavisinin Etkinliğinin İncelenmesi, 2023 - 2023

Berköz M., YALIN S., Project Supported by Higher Education Institutions, Ürolitin A, Geraniin ve Kastalajin Uygulamasının Pre-adipositlerin Olgun Adipositlere Farklılaşma Sürecine Etkisinin İncelenmesi, 2022 - 2023

Berköz M., UZUN G., PEKER M., KIRTAY B. A., Project Supported by Higher Education Institutions, Bromelainin A549 Akciğer Kanseri Hücrelerinde Antiproliferatif Apoptotik ve Antianjiogenik Etkinliğinin Araştırılması, 2022 - 2023

Berköz M., PEKER M., KIRTAY B. A., UZUN G., Project Supported by Higher Education Institutions, Arbutin Uygulamasının HepG2 Hepatosellüler Karsinom Hücreleri Üzerindeki Antiproliferatif Antimetastatik Apoptotik ve Antienflamatuvar Potansiyelinin Araştırılması, 2022 - 2023

Berköz M., UZUN G., KIRTAY B. A., PEKER M., Project Supported by Higher Education Institutions, A375 Melanoma Hücrelerinde Gingerolun Antitümöral Aktivitesinin Değerlendirilmesi, 2022 - 2023

Berköz M., YIĞİT M. İ., Project Supported by Higher Education Institutions, Bazı doğal tirozinaz inhibitörlerinin melanoma hücreleri üzerindeki antiproliferatif antimetastatik apoptotik ve antienflamatuvar potansiyellerinin incelenmesi, 2022 - 2022

Berköz M., ERDİL R., Project Supported by Higher Education Institutions, Artesunat, diosmin ve arbutinin larinks kanseri üzerindeki antiproliferatif, antimetastatik, apoptotik ve antienflamatuvar aktivitelerinin araştırılması, 2022 - 2022

Berköz M., KAPLAN M., Project Supported by Higher Education Institutions, Bazı Liken Sekonder Metabolitlerinin Lipopolisakkarit ile İndüklenmiş RAW264.7 Makrofaj Hücrelerindeki Antienflamatuvar Etkinliklerinin İncelenmesi, 2022 - 2022

Berköz M., GEZİCİ H., Project Supported by Higher Education Institutions, Adjuvan ile İndüklenmiş Deneysel Artrit Modelinde Punicalagin, Mirisetin, Kaemferol ve Fisetin Uygulamalarının Antienflamatuvar Etkinliklerinin İncelenmesi,

2022 - 2022

Berköz M., DİNLER TARTIK Z., Project Supported by Higher Education Institutions, Likenlerden İzole Edilen Bazı Sekonder Metabolitlerin Lipopolisakkarit ile İndüklenmiş BV2 Mikroglia Hücreleri Üzerindeki Antienflamatuvar Etkinliklerinin Araştırılması, 2022 - 2022

Berköz M., ÇİFTÇİ O., Project Supported by Higher Education Institutions, Boswellik Asit, Betulinik Asit ve Ürsolik Asit Uygulamalarının Sıçanlarda Siklofosamid ile İndüklenmiş Nefrotoksisiteye Karşı Koruyucu Rollerinin Araştırılması, 2021 - 2021

Berköz M., YİĞİT A., Project Supported by Higher Education Institutions, Kurşun Asetat Maruziyeti Sonucu Oluşan Nefrotoksisiteye Karşı Mirisetin, Kaemferol, Fisetin ve Galanginin Koruyucu Rolünün Araştırılması, 2021 - 2021

Berköz M., VOLKAN D., Project Supported by Higher Education Institutions, Malathion İntoksikasyonu Sonucu Oluşan Nefrotoksisiteye Karşı Mirisetin, Apigenin, Kuersetin ve Kaemferolun Muhtemel Koruyucu Rollerinin Araştırılması, 2020 - 2021

Berköz M., YALIN S., Türkmen Ö., Project Supported by Higher Education Institutions, Bisfenol A Maruziyetinde Meydana Gelen Testiküler Yetmezlikte Doğal ve Sentetik Bazı Aromataz İnhibitörlerinin Koruyucu Rollerinin Araştırılması, 2020 - 2021

Aslan A., Allahverdiyev O., Berköz M., Battal A., Project Supported by Higher Education Institutions, Etil Alkol ile Oluşturulan Karaciğer Toksikasyonunda Usnea longissima ve Xanthoparmelia somloensis Ekstraktlarının Oksidatif Stres ve Enflamasyon Üzerine Koruyucu Etkisinin Araştırılması, 2018 - 2021

Berköz M., AKKUŞ Y., Project Supported by Higher Education Institutions, Aç farelere skopolamin uygulanması ve yem verilmesi ile oluşan konvülsiyonlarda MK801in beyin dokusundaki oksidatif stres inflamasyon ve ghrelin düzeylerine etkilerinin araştırılması, 2019 - 2020

Berköz M., Project Supported by Higher Education Institutions, Timokinonun adipositlerdeki enflamatuvar yanıt üzerine etkisinin incelenmesi, 2019 - 2020

Aslan A., Bozkurt A., Battal A., Berköz M., Allahverdiyev O., Project Supported by Higher Education Institutions, Bazı Liken Türleri ve Onlardan İzole Edilen Üsnik Asidin Pentilentetrazol Kindling Epilepsi Modelinde Deneysel Olarak Antiepileptik Potansiyelinin Davranışsal ve Biyokimyasal Düzeyde Araştırılması, 2019 - 2020

Berköz M., YALIN S., YILDIRIM M., YALIN S., Allahverdiyev O., Project Supported by Higher Education Institutions, Sıçanlarda siklofosamid ile oluşturulmuş oksidatif stres ve inflamasyona karşı kaempferol hesperidin mirisetin apigenin ve epigallokateşin gallatın olası koruyucu etkilerinin araştırılması, 2019 - 2020

Berköz M., Project Supported by Higher Education Institutions, Kiraz çekirdeğinin preadipositlerin farklılaşmasına olan etkisinin transkripsiyon faktörleri üzerinden incelenmesi, 2018 - 2019

Yunusoğlu O., Berköz M., YILDIRIM M., Türkmen Ö., Project Supported by Higher Education Institutions, Aloe vera ekstraktının preadipositlerin farklılaşmasına olan etkisinin transkripsiyon faktörleri üzerinden incelenmesi, 2016 - 2017

## Scientific Refereeing

Project Supported by Higher Education Institutions, June 2020

Project Supported by Higher Education Institutions, February 2020

GENERAL PHYSIOLOGY AND BIOPHYSICS, SCI Journal, December 2019

MEDICAL SCIENCE MONITOR, SCI Journal, March 2019

MEDICAL SCIENCE MONITOR, SCI Journal, March 2019

Medical Science Monitor Basic Research, Other Indexed Journal, December 2018

Van Tıp Dergisi, National Scientific Refreed Journal, December 2017

## Metrics

Publication: 159

Citation (WoS): 341

Citation (Scopus): 751

H-Index (WoS): 11

H-Index (Scopus): 17

### **Congress and Symposium Activities**

V. International Congress on Natural and Health Sciences (ICNHS-2019), Session Moderator, Adana, Turkey, 2019

3rd International Conference on Agriculture, Food, Veterinary and Pharmacy Sciences (ICAFOP), Session Moderator, Trabzon, Turkey, 2019

Çukurova I. Uluslararası Multidisipliner Çalışmalar Kongresi, Session Moderator, Adana, Turkey, 2018

International Conference on Agriculture, Forest, Food, Veterinary Sciences and Technologies (ICAFOP-2018), Session Moderator, İzmir, Turkey, 2018

### **Non Academic Experience**

Jageillonian Üniversitesi Eczacılık Fakültesi Bromatoloji Anabilim Dalı, Krakow

Jageillonian Üniversitesi Eczacılık Fakültesi Bromatoloji Anabilim Dalı, Krakow

Jageillonian Üniversitesi Eczacılık Fakültesi Bromatoloji Anabilim Dalı, Krakow

Özel Mersin IMC Hastanesi