

## **Prof. Dr. EMİNE DEMİREL YILMAZ**

### **Kişisel Bilgiler**

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#### **Uluslararası Araştırmacı ID'leri**

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Publons / Web Of Science ResearcherID: AAG-3163-2020

ScopusID: 6602268045

Yoksis Araştırmacı ID: 105905

### **Eğitim Bilgileri**

Tıpta Uzmanlık, Ankara Üniversitesi, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, Türkiye 1986 - 1990

Lisans, Ankara Üniversitesi, Tıp Fakültesi, Tıp Pr., Türkiye 1980 - 1986

### **Yabancı Diller**

İngilizce, B2 Orta Üstü

### **Yaptığı Tezler**

Tıpta Uzmanlık, İloprost'un tavşan süperior mezenterik arter ve torasik aorta şeritlerinde alfa adrenerjik agonist kasılma cevaplarını Ca<sub>2+</sub> girişi üzerinden modülasyonu, Ankara Üniversitesi, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, 1990

### **Araştırma Alanları**

Sağlık Bilimleri

### **Akademik Unvanlar / Görevler**

Prof. Dr., Ankara Üniversitesi, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, 2000 - Devam Ediyor

Doç. Dr., Ankara Üniversitesi, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, 1993 - 2000

Yrd. Doç. Dr., Ankara Üniversitesi, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, 1993 - 1993

Yrd. Doç. Dr., Gazi Üniversitesi, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, 1990 - 1991

Araştırma Görevlisi, Ankara Üniversitesi, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, 1986 - 1990

### **Akademik İdari Deneyim**

Anabilim/Bilim Dalı Başkanı, Ankara Üniversitesi, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, 2016 - 2019

### **Verdiği Dersler**

Kardiyovasküler Sistemin Moleküler Ve Hücresel Farmakolojisi, Tıpta Uzmanlık, 2023 - 2024

Bilimsel Sunu ve Yazım Teknikleri, Tıpta Uzmanlık, 2022 - 2023

Hücrenin Fonksiyonel Anatomisi, Farmakolojisi ve Uyarı İleti Sistemleri , Tıpta Uzmanlık, 2023 - 2024

Bilim Etiği ve Bilim Tarihi, Tıpta Uzmanlık, 2022 - 2023

Otokoidler ile Hücreler Arası İletişimin Farmakolojisi, Tıpta Uzmanlık, 2021 - 2022

Cardiovascular system pharmacology, Lisans, 2021 - 2022

Autocoid system pharmacology, Lisans, 2021 - 2022

OTAKOID SİSTEMDE İLAÇ HEDEFLERİ, Lisans, 2021 - 2022, 2020 - 2021

KARDİYOVASKÜLER SİSTEM FARMAKOLOJİSİ, Lisans, 2021 - 2022, 2020 - 2021

MODÜL YÖNLENDİRİCİLİK, Lisans, 2016 - 2017, 2015 - 2016

## **Yönetilen Tezler**

DEMİREL YILMAZ E., Hipertansiyon nedeniyle gelişen kardiyak işlev bozukluğunda "karaciğer X reseptörleri"nin (liver X receptor; LXR) rolü, Doktora, N.BANU(Öğrenci), 2016

DEMİREL YILMAZ E., Hipertansiyonda damarlarda gelişen endoplazmik retikulum stresinin incelenmesi, Doktora, S.HAN(Öğrenci), 2016

DEMİREL YILMAZ E., Sıçan pençe ödeminde diklofenak etkinliğinin yardımcı uygulamalar ile değişimi, Yüksek Lisans, N.ERCAN(Öğrenci), 2012

DEMİREL YILMAZ E., Nitrik oksitin sıçan sağ atriyumu papiller kası üzerine etkisinde protein kinazların ve potasyum kanallarının rolü, Doktora, M.KÜRŞAT(Öğrenci), 2004

DEMİREL YILMAZ E., Resveratrolün kalp ve damar işlevleri üzerine etkileri, Tıpta Uzmanlık, M.BULUÇ(Öğrenci), 2002

## **SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler**

### **I. Myricetin May Improve Cardiac Dysfunction Possibly Through Regulating Blood Pressure and Cellular Stress Molecules in High-Fructose-Fed Rats**

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### **II. Resveratrol and regular exercise may attenuate hypertension-induced cardiac dysfunction through modulation of cellular stress responses**

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### **III. Liver X receptors in the cardiovascular system Kardiyovasküler sistemde karaciğer X reseptörleri**

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Turkiye Klinikleri Journal of Medical Sciences, cilt.39, sa.4, ss.430-443, 2019 (SCI-Expanded)

### **IV. The effects of LXR agonist GW3965 on vascular reactivity and inflammation in hypertensive rat aorta**

HAN S., BAL N. B., SADI G., Usanmaz S. E., ULUDAĞ M. O., DEMİREL YILMAZ E.

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### **V. Role of microcirculatory function and plasma biomarkers in determining the development of cardiovascular adverse events in patients with peripheral arterial disease: A 5-year follow-up**

Akkoca M., Usamnaz S. E., Tokgoz S., Koksoy C., Yilmaz E.

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### **VI. The effects of resveratrol and exercise on age and gender-dependent alterations of vascular functions and biomarkers**

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### **VII. Time-Dependent Production of Endothelium-Related Biomarkers is Affected Differently in**

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- VIII. The effects of different remote ischemic conditioning on ischemia-induced failure of microvascular circulation in humans**  
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CLINICAL HEMORHEOLOGY AND MICROCIRCULATION, cilt.70, sa.1, ss.83-93, 2018 (SCI-Expanded)
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Koksoy C., Akkoca M., Tokgoz S., ÇETİN KAYA Ö. A., Sevim Y., DEMİREL YILMAZ E.  
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- X. Age-and sex-dependent alteration of functions and epigenetic modifications of vessel and endothelium related biomarkers**  
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- XI. Plasma nitric oxide level is correlated with microvascular functions in the peripheral arterial disease**  
Akkoca M., Usanmaz S. E., Koksoy C., BENGİSUN U., DEMİREL YILMAZ E.  
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- XII. Effects of Ozone Treatment in Endotoxin Induced Shock Model in Rats**  
ULUDAĞ M. O., Ozdemir E. D., BAL N. B., HAN S., Dayanir H., Babacan A., Usanmaz S. E., DEMİREL YILMAZ E.  
INTERNATIONAL JOURNAL OF PHARMACOLOGY, cilt.13, sa.2, ss.166-174, 2017 (SCI-Expanded)
- XIII. Diurnal Temporal Blood H2S Variations Correlate with the Circadian Rhythm of Vascular Contraction and Blood Pressure**  
ULUDAĞ M. O., Hicdurmaz E., HAN S., Usanmaz S. E., Abacioglu N., ARK M., DEMİREL YILMAZ E.  
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- XIV. Resveratrol affects histone 3 lysine 27 methylation of vessels and blood biomarkers in DOCA salt-induced hypertension**  
HAN S., ULUDAĞ M. O., Usanmaz S. E., Ayaloglu-Butun F., AKÇALI K. C., DEMİREL YILMAZ E.  
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- XV. AGE AND GENDER DEPENDENT EFFECTS OF RESVERATROL AND REGULAR AEROBIC EXERCISE ON THE ENDOTHELIAL FUNCTION RELATED BLOOD BIOMARKERS**  
Uludag M., DEMİREL YILMAZ E., Bal N., Han S., Usanmaz S.  
BASIC & CLINICAL PHARMACOLOGY & TOXICOLOGY, cilt.115, ss.252, 2014 (SCI-Expanded)
- XVI. The anti-inflammatory effect of diclofenac is considerably augmented by topical capsaicinoids-containing patch in carrageenan-induced paw oedema of rat**  
Ercan N., ULUDAĞ M. O., Agis E. R., DEMİREL YILMAZ E.  
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- XVII. Assessment of the Endothelial Functions in Monocrotaline-induced Pulmonary Hypertension**  
SIRMAGÜL B., ILGIN S., ATLI Ö., Usanmaz S. E., DEMİREL YILMAZ E.  
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- XVIII. Various Phosphodiesterase Activities in Different Regions of the Heart Alter the Cardiac Effects of Nitric Oxide**  
DEMİREL YILMAZ E., Cenik B., Ozcan G., Derici M. K.  
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- XIX. Nitric oxide effects depend on different mechanisms in different regions of the rat heart**  
Derici K., Samsar U., DEMİREL YILMAZ E.  
HEART AND VESSELS, cilt.27, sa.1, ss.89-97, 2012 (SCI-Expanded)
- XX. Vascular reactivity in the experimental, simvastatin-treated diabetes with endothelial dysfunction**  
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- Bratislava Medical Journal, cilt.109, sa.11, ss.477-482, 2008 (SCI-Expanded)
- XXI. **Resveratrol-induced depression of the mechanical and electrical activities of the rat heart is reversed by glyburide: Evidence for possible K-ATP channels activation**  
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- XXII. **Resveratrol decreases calcium sensitivity of vascular smooth muscle and enhances cytosolic calcium increase in endothelium**  
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- XXIII. **Effect of Candida albicans septicemia on the cardiovascular function of rabbits**  
Buluc M., Ataoglu H., DOĞAN D., Ergun H., GÜRDAL H., Erdemli E., DEMİREL YILMAZ E.  
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- XXIV. **How we derived a core curriculum: from institutional to national - Ankara University experience**  
Kemahli S., DÖKMECİ F., Palaoglu O., Aktug T., ARDA B., DEMİREL YILMAZ E., KARAHAN S. T., Ozyurda F., Akan H., Ayhan I.  
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- XXV. **Mechanism of effect of resveratrol in the vascular smooth muscle**  
Buluc M., DEMİREL YILMAZ E.  
JOURNAL OF MOLECULAR AND CELLULAR CARDIOLOGY, cilt.34, sa.6, 2002 (SCI-Expanded)
- XXVI. **The effects of resveratrol on mechanical and electrical activies of the isolated rat heart**  
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- XXVII. **< i>Candida albicans</i> depress cardiovascular function of rabbit**  
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- XXVIII. **Aqueous humor nitric oxide levels in patients with Behcet disease**  
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- XXIX. **The role of nitric oxide in diabetic retinopathy.**  
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- XXXI. **The effects of chronic L-name and L-arginine administration on beta-adrenergic responsiveness of STZ-diabetic rat atria**  
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- XXXIII. **The early protective effects of L-arginine and Ng-nitro-L-arginine methyl ester after experimental acute spinal cord injury. A light and electron microscopic study**  
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- XXXV. **Depletion and restoration of the putative photosensitive materials store yielding nitric oxide in the isolated mouse gastric fundus**

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- XXXVI. **Cardiac dysfunction induced by low and high diet antioxidant levels comparing selenium and vitamin E in rats**  
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REGULATORY TOXICOLOGY AND PHARMACOLOGY, cilt.29, sa.2, ss.142-150, 1999 (SCI-Expanded)
- XXXVII. **Ca<sup>2+</sup>-induced inhibition of adenylyl cyclase in turkey erythrocyte membranes**  
Demirel E., Ugur Ö., ONARAN H. O.  
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- XXXVIII. **The effect of selenium and vitamin E on microvascular permeability of rat organs**  
DEMİREL YILMAZ E., Dincer D., Yilmaz G., Turan B.  
BIOLOGICAL TRACE ELEMENT RESEARCH, cilt.64, sa.1-3, ss.161-168, 1998 (SCI-Expanded)
- XXXIX. **Possible mechanism of high calcium-induced relaxation of rabbit thoracic aorta**  
Yıldırım S., Kamoy H., DEMİREL YILMAZ E.  
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- XL. **Channel mechanism of mibepradil action on alpha(1E)- and T-type calcium channels**  
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- XLI. **Tissue and concentration-dependent effects of sodium selenite on muscle contraction**  
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- XLII. **TEA inhibits ACh-induced EDRF release: Endothelial Ca<sup>2+</sup>-dependent K<sup>+</sup> channels contribute to vascular tone**  
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- XLIII. **The passive calcium leak in cultured porcine aortic endothelial cells**  
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- XLIV. **Inhibition by iloprost of the contractile effect of noradrenaline in mesenteric artery rings: Evidence for a possible calcium-dependent mechanism**  
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- XLV. **Ergotamine enhances acetylcholine-induced relaxation in various vascular segments of rabbits**  
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- XLVI. **Endothelium modulates the effects of α-adrenoceptor agonists in vascular smooth muscle**  
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- XLVII. **Effect of endothelium on phenylephrine-induced contraction in the rat isolated aortic strips**  
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- XLVIII. **POSSIBLE CALCIUM-CHANNEL MODULATING ACTIVITY OF ILOPROST IN RABBIT ISOLATED VASCULAR SEGMENTS**  
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- LI. **Modulation by endothelium of the vascular effects of angiotensin II**  
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## Diger Dergilerde Yayınlanan Makaleler

- I. **Resveratrol and regular exercise can restore hepatic alterations induced by hypertension in rats**  
BAL N. B., DEMİREL YILMAZ E.  
Journal of Research in Pharmacy, cilt.28, sa.1, ss.29-39, 2024 (ESCI)
- II. **Sex-dependent effects of resveratrol and regular exercise on markers related to cellular stress in the hearts and kidneys of rats**  
BAL N. B., HAN S., Usanmaz S. E., ULUDAĞ M. O., Yilmaz E.  
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- III. **Autacoids in the inflammation Yangı (iltihap, inflamasyon) süreçlerinde otakoidler**  
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- IV. **The effect of DOCA-salt model without nephrectomy on blood pressure, heart and kidney functions**  
Nefrektomi yapılmadan oluşturulan DOCA-tuz modelinin kan basıncı, kalp ve böbrek işlevlerine etkisi  
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- V. **Relationship Between the Flow-Mediated Dilatation of the Human Brachial Artery and Blood Biomarkers Related to the Endothelial Function in Cardiovascular Diseases**  
Usanmaz S. E., Atar I. A., Aksoyek A., Tola M., Kubatu E., Altuner T. K., Bozbas H., Sevuk U., Korkmaz M. E., Yilmaz E.  
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- VI. **The Role of Nitric Oxide Related Therapeutics in the Treatment of Cardiovascular Pathologies**  
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- VII. **The effects of nitric oxide on cancer development and metastasis Nitrik oksitin kanser gelişimi ve metastaz üzerine etkileri**  
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Turk Hijyen ve Deneysel Biyoloji Dergisi, cilt.74, sa.2, ss.161-174, 2017 (Scopus)
- VIII. **Effect of Nitric oxide on cardiacfunction: Review Nitrik oksidin kalp İşlevleri üzerine etkisi**  
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- IX. **Depressive effect of alfentanil on isolated human atrial tissue**  
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## Kitap & Kitap Bölümleri

- I. **Renin anjiyotensin sistemi ve reseptörleri**  
DEMİREL YILMAZ E., Kasaoglu S.  
Renin Anjiyotensin Sistemi: Yeni Ufuklar, Bölükbaşı Hatip FF, Editör, Türkiye Klinikleri Tip Bilimleri Dergisi, Ankara, ss.1-7, 2021
- II. **Tembel Yemek Kitabı**  
Demirel Yilmaz E.  
İmge Kitabevi Yayınları, Ankara, 2014
- III. **Eğitici Cep Kitabı, Yükseköğretim Eğiticileri ve yetişkinlik Döneminde Öğreten-Öğrenen Herkes İçin**

- Demirel Yılmaz E.  
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- IV. **Mezuniyet sonrası farmakoloji eğitiminde çekirdek eğitim programı**  
Demirel Yılmaz E.  
Ankara Üniversitesi, Ankara, 2004

### **Bilimsel Kuruluşlardaki Üyelikler / Görevler**

Türk Farmakoloji Derneği, Üye, 1986 - Devam Ediyor , Türkiye

### **Metrikler**

Yayın: 98  
Atıf (WoS): 514  
Atıf (Scopus): 581  
H-İndeks (WoS): 12  
H-İndeks (Scopus): 13

### **Ödüller**

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