

Prof. FATMA AKAR

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: D-1650-2018

ScopusID: 6701446549

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Education Information

Doctorate, Gazi University, Sağlık Bilimleri Enstitüsü, Farmakoloji (Dr), Turkey 1984 - 1987

Postgraduate, Gazi University, Sağlık Bilimleri Enstitüsü, Farmakoloji (YI) (Tezli), Turkey 1981 - 1984

Undergraduate, Gazi University, Eczacılık Fakültesi, Turkey 1976 - 1980

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Perfüze Kobay Akciğerinde Histaminin Prostaglandin Aracılı Etkilerinin İncelenmesi, Gazi University, Sağlık Bilimleri Enstitüsü, Farmakoloji (Dr), 1987

Postgraduate, İzole-perfüze kobay kalbinde histaminin aracılık ettiği etkiler, Gazi University, Sağlık Bilimleri Enstitüsü, Farmakoloji (YI) (Tezli), 1984

Research Areas

Health Sciences, Pharmacology and Therapeutics, Pharmacology

Academic Titles / Tasks

Professor, Gazi University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri, 2000 - Continues

Associate Professor, Gazi University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri, 1993 - 2000

Assistant Professor, Gazi University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri, 1987 - 1992

Research Assistant, Gazi University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri, 1980 - 1987

Courses

GENERAL PHARMACOLOGY, Doctorate, 2020 - 2021

SEMİNER FRL 2002, Postgraduate, 2017 - 2018

FARMAKOLOJİDE DENEYSEL TASARIM VE İSTATİKSEL TEMELLER I FRL 1030, Postgraduate, 2017 - 2018

ECZACILIK FAKÜLTESİ FARMAKOLOJİ I ECZ 3141, Undergraduate, 2017 - 2018

ECZACILIK FAKÜLTESİ ECZ 4317 İLAÇ ARAŞTIRMA GELİŞTİRME, Undergraduate, 2017 - 2018

SAĞLIK BİLİMLERİ ENSTİTÜSÜ İLERİ FARMAKOLOJİ FRL 1020, Postgraduate, 2017 - 2018

İLAÇ ETKİLEŞMELERİ FRL 1050, Postgraduate, 2017 - 2018

Advising Theses

Akar F., Investigation Of Insulin Signaling Pathway, Inflammation And Intestinal Microbiota In Dietary High-Fructose-Induced Metabolic Syndrome: Assessment Of Therapeutic Potential Of Kefir, Doctorate, E.ŞUMLU(Student), 2020

Akar F., Investigation Of High-Fructose Diet On Gene Expression Of Irs-1, Irs-2, Sirt-1, Mtor, Foxo3a And Nrf2 In Adipose Tissue Of Rats, Postgraduate, A.CEHREHEI(Student), 2019

Akar F., Investigation Of The Gene Expressions On Insulin Signal Pathway In Liver Tissue From High-Fructose Fed Rats, Postgraduate, A.KILIÇ(Student), 2019

Akar F., Investigation Of The Effects Dietary Fructose On Renal Function Markers, Glucose Transporters, Insulin And Inflammation Pathways In Kidney Of Rats, Postgraduate, E.BİLİM(Student), 2019

AKAR F., Yüksek fruktozun oluşturduğu metabolik sendromda L. plantarum ve L. helveticus'un böbrek fonksiyonları ile oksidan ve antioksidan parametreler üzerine etkilerinin incelenmesi, Doctorate, Ö.ADİL(Student), 2019

AKAR F., SIÇAN AORTASINDA GLUKOZ VEYA FRUKTOZ İNKÜBASYONU SONRASI RESVERATROL VE JUGLONUN VASKÜLER REAKTİVİTE ÜZERİNE AKUT ETKİLERİNİN İNCELENMESİ, Postgraduate, Ö.TURAN(Student), 2018

AKAR F., Kadmiyum'un neden olduğu karaciğer, akciğer ve böbrek hasarı üzerine Sildenafil'in koruyucu etkisi, Doctorate, A.HÜSAMETTİN(Student), 2018

AKAR F., Yanık yarası üzerine cotinus coggygia (duman ağacı) yaprak ekstresi ve fenitoinin etkileri, Doctorate, M.BAHADIR(Student), 2018

AKAR F., Protective Effect of Sildenafil on Cadmium-induced liver, lung and kidney injury, Doctorate, A.HÜSAMETTİN(Student), 2017

AKAR F., Investigation Of Mptp Pore Mediated Mechanism Of Action Of Resveratrol On Myocardial Ischemia-Reperfusion Injury, Postgraduate, G.CEBE(Student), 2015

AKAR F., The assessment of the effects of resveratrol on vascular and biochemical parameters within a model of metabolic syndrome induced by aging and fructose in male and female rats, Doctorate, M.BİLGEHAN(Student), 2013

AKAR F., The role and the importance of resveratrolat cancer treatment, Postgraduate, H.KARAHASANOĞLU(Student), 2013

Akar F., Investigation Of Effect Of Dietary High-Fructose On Insulin Signaling Pathway, Inflammation And Apoptosis In Testis Of Rats , Postgraduate, O.GÖKHAN(Student), 2012

AKAR F., The investigation of effect of resveratrol on lipid profile and fatty liver in high-fructose-fed rats, Postgraduate, O.Gökhan(Student), 2012

AKAR F., The effects of resveratrol treatment on enos expression in alloxan diabetic rabbits, Postgraduate, B.ÇİLEKAYA(Student), 2010

AKAR F., THE INVESTIGATION OF THE EFFECT OF RESVERATROL SUPPLEMENTATION ON VASORELAXATION IN LONG-TERM FRUCTOSE-TREATED RATS, Postgraduate, A.AYDIN(Student), 2009

AKAR F., Uzun süre fruktoz içen sıçanlarda resveratrol verilmesinin vazodilatör cevap üzerine etkisinin incelenmesi, Postgraduate, A.AYDIN(Student), 2009

AKAR F., The investigation of the effect of resveratrol supplementation on vasoconstriction in long term fructose-treated rats, Postgraduate, Y.ATACAN(Student), 2009

AKAR F., Uzun süre fruktoz içen sıçanlarda resveratrol verilmesinin vazokonstriktör cevap üzerine etkisinin incelenmesi, Postgraduate, Y.ATACAN(Student), 2009

AKAR F., Alloksan diyabetik tavşanların plazma nitrit/nitrat ve nitrotirozin düzeyleri üzerine uzun süreli resveratrol verilmesinin etkisi, Postgraduate, C.TUFAN(Student), 2008

AKAR F., Alloxan ile diyabet oluşturulmuş tavşanlarda resveratrolün endotel fonksiyonu üzerine etkisinin incelenmesi, Postgraduate, M.BİLGEHAN(Student), 2008

AKAR F., THE EFFECTS OF LONG TERM RESVERATROL TREATMENT ON SERUM NITRITE/NITRATE AND NITROTYROSINE LEVELS OF ALLOXAN DIABETIC RABBITS, Postgraduate, C.TUFAN(Student), 2008

AKAR F., Uzun süre resveratrol ile beslenmiş sıçanların karaciğer, akciğer, böbrek ve kalp dokularında resveratrol miktarının belirlenmesi, Postgraduate, F.ESRA(Student), 2007

AKAR F., Dişi ve erkek sıçanlarda uzun süreli resveratrol tedavisinin endotel hücre reaktivitesi ve eNOS, iNOS ekspresyonları üzerindeki etkilerinin araştırılması, Doctorate, S.SÖYLEMEZ(Student), 2007

AKAR F., Levosimendanın insan internal meme arteri üzerindeki vazodilatör etki mekanizmasının araştırılması, Postgraduate, Y.MANAVBAŞI(Student), 2006

AKAR F., Türk şaraplarındaki resveratrol miktarının HPLC ile tayin edilmesi, Postgraduate, A.EBRU(Student), 2005

AKAR F., Bumetanidin umbilikal arterde serotonin, histamin ve KCl kasılmaları üzerine inhibitör etkisinin incelenmesi, Postgraduate, E.DAYIOĞLU(Student), 2004

AKAR F., Bypass graft dokusu internal meme arterinde nitrogliserin ile oluşturulan toleransta resveratrolün etkisinin incelenmesi, Postgraduate, B.COŞKUN(Student), 2004

AKAR F., Sprague-dawley ve wistar sıçanların alfa-adrenerjik agonist ajanlara cevaplarının ve endotel reaktivitelerinin karşılaştırılması, Postgraduate, Z.AKTAŞ(Student), 2003

AKAR F., Kırmızı şarabın etken maddesi resveratrolün koroner bypass graft materyal meme arteri ve safen ven üzerine etkilerinin incelenmesi, Postgraduate, Ö.RAKICI(Student), 2003

AKAR F., Sıçan aortasında hipertonsitenin oluşturduğu kastrıcı etkiye aracılık eden yolların incelenmesi, Doctorate, C.KEMAL(Student), 2001

AKAR F., Sıçanlarda etanolla oluşturulan gastrik mukoza lezyonları üzerine K⁺ kanal açıcılarının etkileri, Postgraduate, R.ÖZHAN(Student), 1999

AKAR F., Normal ve preeklampşik gebelerin umbilikal arterlerinde levkromakim ve bazı vazodilatör ilaçların gevşetici etkilerinin karşılaştırılması, Doctorate, H.TUFAN(Student), 1997

AKAR F., Sıçanlarda indometazinle oluşturulan gastrik mukoza ülserleri üzerine K⁺ kanal açıcılarının etkileri, Postgraduate, C.KEMAL(Student), 1997

AKAR F., Momordica charantia L. (Kudret Narı) bitkisinin çeşitli ekstraktlarının sıçanlarda deneysel olarak oluşturulan Peptik Ülser`de etkisinin incelenmesi, Postgraduate, Ö.FARUK(Student), 1994

AKAR F., İnsan umbilikal arterinden salıverilen EDRF'nin sandöviç yöntemi ile biyoesseyi, Postgraduate, S.HEKİMİAN(Student), 1991

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Myricetin May Improve Cardiac Dysfunction Possibly Through Regulating Blood Pressure and Cellular Stress Molecules in High-Fructose-Fed Rats**
BAL N. B., Güney C., Yıldırım O. G., AKAR F., DEMİREL YILMAZ E.
Anatolian Journal of Cardiology, vol.28, no.1, pp.55-64, 2024 (SCI-Expanded)
- II. **High-fructose consumption suppresses insulin signaling pathway accompanied by activation of macrophage and apoptotic markers in rat testis**
Yıldırım O. G., Güney C., Alçigir M. E., AKAR F.
Reproductive Biology, vol.23, no.4, 2023 (SCI-Expanded)
- III. **The impact of dietary fructose on gut permeability, microbiota, abdominal adiposity, insulin signaling and reproductive function**
Güney C., BAL N. B., AKAR F.
Heliyon, vol.9, no.8, 2023 (SCI-Expanded)
- IV. **Lactobacillus plantarum improves lipogenesis and IRS-1/AKT/eNOS signalling pathway in the liver of high-fructose-fed rats**
Sumlu E., Bostancı A., SADİ G., ALÇIĞIR M. E., AKAR F.
ARCHIVES OF PHYSIOLOGY AND BIOCHEMISTRY, vol.128, no.3, pp.786-794, 2022 (SCI-Expanded)

- V. **Dietary high-fructose reduces barrier proteins and activates mitogenic signalling in the testis of a rat model: Regulatory effects of kefir supplementation**
AKAR F., Yildirim O. G., YÜCEL TENKECİ G., TUNÇ A. S., DEMİREL M. A., SADİ G.
ANDROLOGIA, vol.54, no.3, 2022 (SCI-Expanded)
- VI. **Potential mechanistic pathways underlying intestinal and hepatic effects of kefir in high-fructose-fed rats.**
Akar F., Sumlu E., Alçıgır M. E., Bostancı A., Sadi G.
Food research international (Ottawa, Ont.), vol.143, pp.110287, 2021 (SCI-Expanded)
- VII. **Epithelial and Endothelial Expressions of ACE2: SARS-CoV-2 Entry Routes.**
Guney C., Akar F.
Journal of pharmacy & pharmaceutical sciences : a publication of the Canadian Society for Pharmaceutical Sciences, Societe canadienne des sciences pharmaceutiques, vol.24, pp.84-93, 2021 (SCI-Expanded)
- VIII. **Effects of Boxing Matches on Metabolic, Hormonal, and Inflammatory Parameters in Male Elite Boxers**
KILIÇ Y., Cetin H. N., Sumlu E., Pektas M. B., KOCA H. B., AKAR F.
MEDICINA-LITHUANIA, vol.55, no.6, 2019 (SCI-Expanded)
- IX. **Effects of Lactobacillus Plantarum and Lactobacillus Helveticus on Renal Insulin Signaling, Inflammatory Markers, and Glucose Transporters in High-Fructose-Fed Rats**
Korkmaz O. A., Sumlu E., Koca H. B., Pektas M. B., KOCABAŞ A., SADİ G., AKAR F.
MEDICINA-LITHUANIA, vol.55, no.5, 2019 (SCI-Expanded)
- X. **High-fructose in drinking water initiates activation of inflammatory cytokines and testicular degeneration in rat**
Yildirim O. G., Sumlu E., Aslan E., KOCA H. B., PEKTAŞ M. B., SADİ G., AKAR F.
TOXICOLOGY MECHANISMS AND METHODS, vol.29, no.3, pp.224-232, 2019 (SCI-Expanded)
- XI. **Lactobacillus helveticus and Lactobacillus plantarum modulate renal antioxidant status in a rat model of fructose-induced metabolic syndrome**
Korkmaz O. A., SADİ G., KOCABAŞ A., Yildirim O. G., Sumlu E., Koca H. B., NALBANTOĞLU B., Pektas M. B., AKAR F.
ARCHIVES OF BIOLOGICAL SCIENCES, vol.71, no.2, pp.265-273, 2019 (SCI-Expanded)
- XII. **High glucose causes vascular dysfunction through Akt/eNOS pathway: reciprocal modulation by juglone and resveratrol**
Pektas M. B., Turan O., Bingol G. O., Sumlu E., Sadi G., AKAR F.
CANADIAN JOURNAL OF PHYSIOLOGY AND PHARMACOLOGY, vol.96, no.8, pp.757-764, 2018 (SCI-Expanded)
- XIII. **Dietary Fructose Activates Insulin Signaling and Inflammation in Adipose Tissue: Modulatory Role of Resveratrol**
PEKTAŞ M. B., KOCA H. B., SADİ G., AKAR F.
BIOMED RESEARCH INTERNATIONAL, vol.2016, 2016 (SCI-Expanded)
- XIV. **High-fructose corn syrup-induced hepatic dysfunction in rats: improving effect of resveratrol**
SADİ G., Ergin V., Yilmaz G., Pektas M. B., Yildirim O. G., Menevse A., AKAR F.
EUROPEAN JOURNAL OF NUTRITION, vol.54, no.6, pp.895-904, 2015 (SCI-Expanded)
- XV. **Long-Term Dietary Fructose Causes Gender-Different Metabolic and Vascular Dysfunction in Rats: Modulatory Effects of Resveratrol**
PEKTAŞ M. B., SADİ G., AKAR F.
CELLULAR PHYSIOLOGY AND BIOCHEMISTRY, vol.37, no.4, pp.1407-1420, 2015 (SCI-Expanded)
- XVI. **Resveratrol prevents high-fructose corn syrup-induced vascular insulin resistance and dysfunction in rats**
Babacanoglu C., Yildirim N., Sadi G., Pektas M. B., AKAR F.
FOOD AND CHEMICAL TOXICOLOGY, vol.60, pp.160-167, 2013 (SCI-Expanded)
- XVII. **High-fructose corn syrup causes vascular dysfunction associated with metabolic disturbance in rats: Protective effect of resveratrol**
AKAR F., Uludag O., Aydin A., Aytekin Y. A., Elbeg S., TUZCU M., ŞAHİN K.
FOOD AND CHEMICAL TOXICOLOGY, vol.50, no.6, pp.2135-2141, 2012 (SCI-Expanded)

- XVIII. **The Characteristics of Contractions to Hyperosmolar Stress in Rat Aorta**
Buharalioglu C. K., UĞUR M., AKAR F.
INTERNATIONAL JOURNAL OF PHARMACOLOGY, vol.7, no.3, pp.340-348, 2011 (SCI-Expanded)
- XIX. **Resveratrol Shows Vasoprotective Effect Reducing Oxidative Stress Without Affecting Metabolic Disturbances in Insulin-dependent Diabetes of Rabbits**
AKAR F., Pektas M. B., Tufan C., Soylemez S., SEPİCİ DİNÇEL A., Ulus A. T., Gokalp B., ÖZTÜRK K., Surucu H. S.
CARDIOVASCULAR DRUGS AND THERAPY, vol.25, no.2, pp.119-131, 2011 (SCI-Expanded)
- XX. **Resveratrol Supplementation Gender Independently Improves Endothelial Reactivity and Suppresses Superoxide Production in Healthy Rats**
Soylemez S., SEPİCİ DİNÇEL A., AKAR F.
CARDIOVASCULAR DRUGS AND THERAPY, vol.23, no.6, pp.449-458, 2009 (SCI-Expanded)
- XXI. **The long-term resveratrol treatment increased insulin secretion and nitric oxide production in alloxan diabetic rabbit**
Tufan C., Karahan B., Gokalp B., Sepici A., AKAR F.
FUNDAMENTAL & CLINICAL PHARMACOLOGY, vol.22, pp.83, 2008 (SCI-Expanded)
- XXII. **The effect of long-term resveratrol treatment on endothelial function of aorta from diabetic rabbit**
Pektas M. B., Soylemez S., AKAR F.
FUNDAMENTAL & CLINICAL PHARMACOLOGY, vol.22, pp.66, 2008 (SCI-Expanded)
- XXIII. **The effect of long-term resveratrol treatment on relaxation to estrogen in aortae from male and female rats: Role of nitric oxide and superoxide**
Soylemez S., Gurdal H., Sepici A., AKAR F.
VASCULAR PHARMACOLOGY, vol.49, pp.97-105, 2008 (SCI-Expanded)
- XXIV. **Collaborative therapy with nebivolol and L-NAME for spinal cord ischemia/reperfusion injury**
Seren M., Budak B., Turan N., Parlar A. I., AKAR F., Ulus A. T.
ANNALS OF VASCULAR SURGERY, vol.22, no.3, pp.425-431, 2008 (SCI-Expanded)
- XXV. **How DMSO, a widely used solvent, affects spinal cord injury**
Turan N. N., AKAR F., Budak B., Seren M., Parlar A. I., Surucu S., Ulus A. T.
ANNALS OF VASCULAR SURGERY, vol.22, no.1, pp.98-105, 2008 (SCI-Expanded)
- XXVI. **The gender differences in the relaxation to levosimendan of human internal mammary artery**
AKAR F., Manavbasi Y., Parlar A. I., Ulus A. T., Katircioglu S. F.
CARDIOVASCULAR DRUGS AND THERAPY, vol.21, no.5, pp.331-338, 2007 (SCI-Expanded)
- XXVII. **In which period of injury is resveratrol treatment effective: Ischemia or reperfusion?**
Ulus A. T., Turan N. N., Seren M., Budak B., Tutun U., Yazicioglu H., Surucu S., AKAR F., Katircioglu S. F.
ANNALS OF VASCULAR SURGERY, vol.21, no.3, pp.360-366, 2007 (SCI-Expanded)
- XXVIII. **The effects of bumetanide on human umbilical artery contractions**
Dayioglu E., Buharalioglu K., Saracoglu F., AKAR F.
REPRODUCTIVE SCIENCES, vol.14, no.3, pp.246-252, 2007 (SCI-Expanded)
- XXIX. **The effects of bumetanide on human umbilical artery contractions**
Buharalioglu C. K., Dayioglu E., Saracoglu F., AKAR F.
ACTA PHARMACOLOGICA SINICA, vol.27, pp.172-173, 2006 (SCI-Expanded)
- XXX. **The effects of bumetanide on human umbilical artery contractions**
Buharahoglu C. K., Dayruglo E., Saracglu F., AKAR F.
ACTA PHARMACOLOGICA SINICA, vol.27, pp.156, 2006 (SCI-Expanded)
- XXXI. **HDL decreased estrogen-induced relaxation in rat aorta**
AKAR F., Isbir-Soylemez S.
ACTA PHARMACOLOGICA SINICA, vol.27, pp.177, 2006 (SCI-Expanded)
- XXXII. **Effect of resveratrol on nitrate tolerance in isolated human internal mammary artery**
Coskun B., Soylemez S., Parlar A., Ulus A., Katircioglu S., AKAR F.
JOURNAL OF CARDIOVASCULAR PHARMACOLOGY, vol.47, no.3, pp.437-445, 2006 (SCI-Expanded)
- XXXIII. **Effects of resveratrol on vascular tone and endothelial function of human saphenous vein and internal mammary artery**

- Rakici O., Kiziltepe U., Coskun B., Aslamaci S., AKAR F.
INTERNATIONAL JOURNAL OF CARDIOLOGY, vol.105, no.2, pp.209-215, 2005 (SCI-Expanded)
- XXXIV. **Resveratrol, a red wine polyphenol, protects spinal cord from ischemia-reperfusion injury**
Kiziltepe U., Nilufer N., Turan N., Han U., Ulus A., AKAR F.
JOURNAL OF VASCULAR SURGERY, vol.40, no.1, pp.138-145, 2004 (SCI-Expanded)
- XXXV. **Blood pressure regulates the activity and function of the Na-K-2Cl cotransporter in vascular smooth muscle**
Jiang G., AKAR F., Cobbs S., Lomashvilli K., Lakkis R., Gordon F., Sutliff R., O'Neill W.
AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND CIRCULATORY PHYSIOLOGY, vol.286, no.4, 2004 (SCI-Expanded)
- XXXVI. **Blood pressure regulates the Na-K-2Cl cotransporter NKCC1 in vascular smooth muscle.**
Jiang G., Akar F., Cobbs S., Lomashvilli K., Sutliff R., Lakkis R., O'Neill W.
JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY, vol.13, 2002 (SCI-Expanded)
- XXXVII. **The reactivity of serotonin, acetylcholine and KCl-induced contractions to relaxant agents in the rat gastric fundus**
Buharalioglu C., AKAR F.
PHARMACOLOGICAL RESEARCH, vol.45, no.4, pp.325-331, 2002 (SCI-Expanded)
- XXXVIII. **Resveratrol increase the endothelial reactivity of human saphenous vein and internal mammary artery**
Rakici O., Kiziltepe U., AKAR F.
FREE RADICAL BIOLOGY AND MEDICINE, vol.33, 2002 (SCI-Expanded)
- XXXIX. **Contractile regulation of the Na⁺-K⁺-2Cl⁻ cotransporter in vascular smooth muscle**
AKAR F., Jiang G., Paul R., O'Neill W.
AMERICAN JOURNAL OF PHYSIOLOGY-CELL PHYSIOLOGY, vol.281, no.2, 2001 (SCI-Expanded)
- XL. **Endothelial reactivity to the immediate hypersensitivity reaction of guinea pig pulmonary artery**
AKAR F.
EUROPEAN JOURNAL OF PHARMACOLOGY, vol.395, no.3, pp.225-228, 2000 (SCI-Expanded)
- XLI. **Contractile regulation of the Na-K-2Cl cotransporter**
Akar F., Paul R., O'Neill W.
JOURNAL OF GENERAL PHYSIOLOGY, vol.114, no.1, 1999 (SCI-Expanded)
- XLII. **Protective effect of cromakalim and diazoxide, and proulcerogenic effect of glibenclamide on indomethacin-induced gastric injury**
AKAR F., Uydes-Dogan B., Buharlioglu C., Abban G., Heinemann A., Holzer P., Van de Voorde J.
EUROPEAN JOURNAL OF PHARMACOLOGY, vol.374, no.3, pp.461-470, 1999 (SCI-Expanded)
- XLIII. **Vasoconstrictors and nitrovasodilators reciprocally regulate the Na⁺-K⁺-2Cl⁻ cotransporter in rat aorta**
Akar F., Skinner E., Klein J., Jena M., Paul R., O'Neill W.
AMERICAN JOURNAL OF PHYSIOLOGY-CELL PHYSIOLOGY, vol.276, no.6, 1999 (SCI-Expanded)
- XLIV. **Vasoconstrictors activate the Na-K-2Cl cotransporter in intact vascular smooth muscle**
AKAR F., Skinner E., Lakkis R., O'Neill C.
FASEB JOURNAL, vol.12, no.4, 1998 (SCI-Expanded)
- XLV. **The comparison of the responsiveness of human isolated internal mammary and gastroepiploic arteries to levromakalim: An alternative approach to the management of graft spasm**
AKAR F., UydesDogan B., Tufan H., Aslamaci S., Koksoy C., Kanzik I.
BRITISH JOURNAL OF CLINICAL PHARMACOLOGY, vol.44, no.1, pp.49-56, 1997 (SCI-Expanded)
- XLVI. **The comparison of vascular reactivities of arterial and venous grafts to vasodilators: Management of graft spasm**
UydesDogan B., Nebigil M., SASlamaci M., Onuk E., Kanzik I., AKAR F.
INTERNATIONAL JOURNAL OF CARDIOLOGY, vol.53, no.2, pp.137-145, 1996 (SCI-Expanded)
- XLVII. **Effect of ovalbumin challenge on endothelial reactivity of pulmonary arteries from sensitized guinea-pigs**

- UydesDogan B., AKAR F., Zengil H., Abacioglu N., Kanzik I.
PULMONARY PHARMACOLOGY, vol.8, pp.115-122, 1995 (SCI-Expanded)
- XLVIII. **NITRIC-OXIDE PRODUCTION BY HUMAN UMBILICAL VESSELS IN SEVERE PREECLAMPSIA**
AKAR F., ARK M., UYDES B., SOYSAL M., SARACOGU F., ABACIOGLU N., VANDEVOORDE J., KANZIK I.
JOURNAL OF HYPERTENSION, vol.12, no.11, pp.1235-1241, 1994 (SCI-Expanded)
- XLIX. **ENDOTHELIAL FUNCTION OF HUMAN GASTROEPILOIC ARTERY IN COMPARISON WITH SAPHENOUS-VEIN**
AKAR F., UYDES B., AYRANCIOGLU K., YENER A., ASLAMACI S., ARSAN M., TORUNER A., KANZIK I.
CARDIOVASCULAR RESEARCH, vol.28, no.4, pp.500-504, 1994 (SCI-Expanded)
- L. **EFFECT OF OVALBUMIN CHALLENGE ON THE RESPONSES OF HISTAMINE ON PULMONARY-ARTERIES OF SENSITIZED GUINEA-PIGS**
UYDES B., AKAR F., ABACIOGLU N., ZENGIL H., KANZIK I.
EUROPEAN JOURNAL OF PHARMACOLOGY, vol.183, no.3, pp.892, 1990 (SCI-Expanded)
- LI. **THE RELAXATION OF THE ENDOTHELIN AND NORADRENALINE-INDUCED CONTRACTION IN HUMAN VESSELS BY NIFEDIPINE**
NEBIGIL M., KANZIK I., AKAR F., UYDES B., PASAOGLU I., BOZER A.
EUROPEAN JOURNAL OF PHARMACOLOGY, vol.183, no.4, pp.1256, 1990 (SCI-Expanded)
- LII. **INVOLVEMENT OF PROSTANOIDS IN THE PULMONARY PRESSOR EFFECT OF HISTAMINE**
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Metrics

Publication: 91

Citation (WoS): 909

Citation (Scopus): 984

H-Index (WoS): 17

H-Index (Scopus): 17