

## Prof. YASEMİN AYDIN

### Personal Information

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### Education Information

Doctorate, Eskisehir Osmangazi University, TIP FAKÜLTESİ, Temel Tıp Bilimleri Bölümü, Turkey 1989 - 1995

Postgraduate, Eskisehir Osmangazi University, TIP FAKÜLTESİ, Temel Tıp Bilimleri Bölümü, Turkey 1986 - 1989

Undergraduate, Hacettepe University, Fen Fakültesi, Biyoloji Bölümü, Turkey 1980 - 1985

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Estrus siklusu ve mast hücreleri: Olası fizyolojik rolleri, ovaryum, uterus ve beyin dokusu histamin düzeylerine katkıları, Eskisehir Osmangazi University, TIP FAKÜLTESİ, Temel Tıp Bilimleri Bölümü, 1995

Postgraduate, Benzen ve hidrokinonun megakaryositopez ve trombositopoeze etkileri, Eskisehir Osmangazi University, TIP FAKÜLTESİ, Temel Tıp Bilimleri Bölümü, 1989

### Research Areas

Health Sciences

### Academic Titles / Tasks

Professor, Eskisehir Osmangazi University, TIP FAKÜLTESİ, TEMEL TIP BİLİMLERİ BÖLÜMÜ, 1985 - Continues

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

- Carvacrol improves cognitive dysfunction by decreasing amyloid- $\beta$  accumulation and regulating neuroinflammation in ovariectomized renovascular hypertensive rats**  
Bayraktar D., ERTAŞ B., AYDIN Y., Sener G.  
NAUNYN-SCHMIEDEBERGS ARCHIVES OF PHARMACOLOGY, 2024 (SCI-Expanded)

- II. **The Effects of Carvacrol on Transient Receptor Potential (TRP) Channels in an Animal Model of Parkinson's Disease**  
Akan T, AYDIN Y., KORKMAZ O. T., ULUPINAR E., SAYDAM F.  
NEUROTOXICITY RESEARCH, vol.41, no.6, pp.660-669, 2023 (SCI-Expanded)
- III. **Effects of Carvacrol on the DLD-1 Human Colorectal Cancer Cell Line and Role of Transient Receptor Potential (TRP) Cation Channels**  
Babaeren E., AYDIN Y.  
ACTA PHYSIOLOGICA, pp.77-78, 2023 (SCI-Expanded)
- IV. **The Relationship between Parkinson's Disease and TRP Channels; Possible Therapeutic Effects of Carvacrol**  
Koca T., AYDIN Y., Korkmaz T., ULUPINAR E., SAYDAM F.  
ACTA PHYSIOLOGICA, vol.237, pp.70, 2023 (SCI-Expanded)
- V. **The Effects of Beta Amyloid Peptide 1-42 on Isolated Rat Hearts and Ileum Smooth Muscle**  
Yousefirad N., Kaygisiz Z., AYDIN Y.  
PHARMACOLOGY, vol.98, pp.261-266, 2016 (SCI-Expanded)
- VI. **Effects of the beta amyloid peptide 22-35 and 1-42 on the isolated rat ileum smooth muscle**  
AYDIN Y., Yousefirad N., Kaygisiz Z.  
ACTA PHYSIOLOGICA, vol.215, pp.79, 2015 (SCI-Expanded)
- VII. **The Effects of beta amyloid peptide 1-42 on isolated rat hearts**  
Kaygisiz Z., Yousefirad N., AYDIN Y.  
ACTA PHYSIOLOGICA, vol.215, pp.62, 2015 (SCI-Expanded)
- VIII. **The effects of beta amyloid peptide 22-35 on isolated and perfused rat hearts**  
Yousefirad N., Kaygisiz Z., AYDIN Y.  
ACTA PHYSIOLOGICA, vol.215, pp.61-62, 2015 (SCI-Expanded)
- IX. **Adrenergic and cholinergic responses of the tracheal smooth muscle is enhanced during estrus phase in rat**  
ÇAYCI M. K., AYDIN Y., UZUNER K.  
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.40, no.5, pp.729-734, 2010 (SCI-Expanded)
- X. **Hypotensive effects of carvacrol on the blood pressure of normotensive rats**  
Aydin Y., Kutlay O., Ari S., Duman S., UZUNER K., Aydin S.  
PLANTA MEDICA, vol.73, no.13, pp.1365-1371, 2007 (SCI-Expanded)
- XI. **Protective effect of high-dose thiamine (B-1) on rat detrusor contractility in streptozotocin-induced diabetes mellitus**  
Yenilmez A., Ozcifici M., Aydin Y., Mirgut M., UZUNER K., Erkul A.  
ACTA DIABETOLOGICA, vol.43, no.4, pp.103-108, 2006 (SCI-Expanded)
- XII. **Mast cell stabilizer and antioxidant effects of epidermal growth factor (EGF) on gastric mucosal injury induced by ethanol in rats**  
Erkasap S., Erkasap N., Aral E., Koken T., Kahraman A., Aydin Y., Yilmaz S., Ates E.  
CHINESE JOURNAL OF PHYSIOLOGY, vol.48, no.1, pp.1-6, 2005 (SCI-Expanded)
- XIII. **Acute erythropoietin infusion increases rat glomerular filtration rate by partly stimulating intrarenal nitric oxide production**  
UZUNER K., Yazihan N., Aydin Y., Uyar R., Bagla S.  
JOURNAL OF HEALTH SCIENCE, vol.50, no.4, pp.343-347, 2004 (SCI-Expanded)
- XIV. **Effects of clonidine pre-treatment on bupivacaine and ropivacaine cardiotoxicity in rats**  
Gulec S., Aydin Y., UZUNER K., Yelken B., Senturk Y.  
EUROPEAN JOURNAL OF ANAESTHESIOLOGY, vol.21, no.3, pp.205-209, 2004 (SCI-Expanded)
- XV. **Effects of dopexamine on rat cardiorenal functions during lipopolysaccharide-induced experimental sepsis**  
Yelken B., Gorenec E., UZUNER K., Aydin Y., Elmas C.  
JOURNAL OF INTERNATIONAL MEDICAL RESEARCH, vol.32, no.2, pp.109-117, 2004 (SCI-Expanded)
- XVI. **The effect of vasoactive intestinal peptide (VIP) on the testicular tissue histamine level of**

**immobilized plus cold stressed rats**

Tuncel N., Aydin Y., Kosar M., Tuncel M.

PEPTIDES, vol.18, no.6, pp.913-915, 1997 (SCI-Expanded)

- XVII. **Relaxing effects of vasoactive intestinal peptide (VIP) on the contractile actions of endothelin-3, histamine, and acetylcholine in isolated guinea pig tracheal smooth muscle with or without epithelium**

UZUNER K., Tuncel N., Aydin Y.

PEPTIDES, vol.17, no.2, pp.299-303, 1996 (SCI-Expanded)

- XVIII. **The effect of vasoactive intestinal peptide (VIP) on mast cell invasion/degranulation in testicular interstitium of immobilized plus cold stressed and beta-endorphin-treated rats**

Tuncel N., Gurer F., Aral E., Uzuner K., Aydin Y., Baycu C.

PEPTIDES, vol.17, no.5, pp.817-824, 1996 (SCI-Expanded)

- XIX. **THE EFFECT OF VASOACTIVE-INTESTINAL-PEPTIDE (VIP) ON SUPEROXIDE-DISMUTASE AND CATALASE ACTIVITIES IN RENAL TISSUES OF RATS EXPOSED TO HEMORRHAGIC ISCHEMIA-REPERFUSION**

UZUNER K., TUNCEL N., AYDIN Y., TUNCEL M., GURER F., BENLI P., AK D.

PEPTIDES, vol.16, no.5, pp.911-915, 1995 (SCI-Expanded)

- XX. **THE EFFECT OF 3 PRODUCTS OF CIGARETTE-SMOKE (CYANIDE, THIOCYANATE AND NICOTINE) ON THE CONCENTRATION-RESPONSE CURVES OF 5-HYDROXYTRYPTAMINE, NOREPINEPHRINE AND EPINEPHRINE IN THE ISOLATED HUMAN UMBILICAL VEINS AND ARTERIES**

TUNCEL N., AYDIN Y., TIKIZ H.

PHARMACOLOGY & TOXICOLOGY, vol.74, no.2, pp.84-88, 1994 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Pneumoperitoneum in laparoscopic surgery: Comparison of the effect on gastric and intestinal motility in pediatric and adult rats**  
Alıcı U., Ünlü A., AYDIN Y., TOKAR B.  
J Surg Med, vol.3, no.12, pp.837-840, 2019 (Peer-Reviewed Journal)
- II. **ESKİŞEHİR OSMANGAZİ ÜNİVERSİTESİ TIP FAKÜLTESİ 1. SINIF ÖĞRENCİLERİNİN KARDİOVASKÜLER PERFORMANSLARININ KARDİOVASKÜLER UYUM TESTİ (SCHNEİDER TESTİ) İLE DEĞERLENDİRİLMESİ**  
Arıcı R., Erfidan H., Fedai M. O., Ekener Z., Ayaz M., Aydın Y.  
Türk Tıp Öğrencileri Araştırma Dergisi, vol.1, no.1, pp.15-18, 2019 (Non Peer-Reviewed Journal)
- III. **Amyloid beta peptide 22 35 induces a negative inotropic effect on isolated rat hearts**  
Neda Y., KAYGISIZ Z., AYDIN Y.  
Int J Physiol Pathophysiol Pharmacol, vol.8, no.4, pp.146-151, 2016 (Peer-Reviewed Journal)
- IV. **Effects of Sildenafil Citrate Administration on Cardiovascular System of Subchronic Fluoxetine HCl Treated Male Rats**  
UZUNER K., AYDIN Y.  
Türkiye Klinikleri J. Med. Sci, vol.25, pp.483-488, 2005 (Peer-Reviewed Journal)
- V. **Vasoaktif intestinal peptid'in (VIP) izole koyun venaportası üzerindeki etkileri.**  
Çağa H. T., Tunçel N., Aydın Y.  
Ulusal Cerrahi Dergisi, , vol.18, no.1, pp.18-21, 1992 (Peer-Reviewed Journal)
- VI. **Hidrokinon ve benzenin megakaryositopoeze etkileri.**  
Uyar R., Aydın Y., Kaygısız Z.  
Fizyoloji Bülteni, vol.12, no.1, pp.1-5, 1990 (Peer-Reviewed Journal)
- VII. **The regional relaxing effect of Vasoactive Intestinal Peptide VIP on isolated dog airways smooth muscle**  
UZUNER K., AYDIN Y.

## Supported Projects

AYDIN Y., Project Supported by Higher Education Institutions, DLD-1 İnsan Kolon Kanseri Hücre Hattında TRP (Geçici Reseptör Potansiyel) Kanallarının Rolü ve Karvakrolün Etkileri, 2019 - 2021

AYDIN Y., SAYDAM F., KORKMAZ O. T., Project Supported by Higher Education Institutions, Parkinson Hastalığı ve TRP Kanallarının İlişkisi; Carvacrol'ün Olası Tedavi Edici Etkileri, 2017 - 2020

Aydın Y., Project Supported by Higher Education Institutions, Parkinson hastalığı ve TRP kanallarının ilişkisi; Karvakrol'ün olası tedavi edici etkileri, 2017 - 2019

Aydın Y., Bayraktar D., Project Supported by Higher Education Institutions, POSTMENOPUZAL HİPERTANSİYF SIÇANLARDA KARVAKROLÜN KARDİYOVASKÜLER VE BİLİŞSEL FONKSİYONLAR ÜZERİNDEKİ ETKİLERİNİN İNCELENMESİ, 2017 - 2019

Aydın Y., Ulupınar E., Korkmaz O. T., Project Supported by Higher Education Institutions, Deneysel Parkinson Modelinde Carvacrol'un Etkileri, 2014 - 2017

## Metrics

Publication: 56

Citation (WoS): 194

Citation (Scopus): 205

H-Index (WoS): 9

H-Index (Scopus): 8