

# Prof. SÜLEYMAN AYDIN

## Personal Information

**Email:** saydin@anadolu.edu.tr

**Web:** <https://avesis.anadolu.edu.tr/saydin>

## International Researcher IDs

ORCID: 0000-0002-4052-8470

Yoksis Researcher ID: 3628

## Education Information

Doctorate, Anadolu University, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Farmakoloji (Dr), Turkey 1990 - 1996

Postgraduate, Eskisehir Osmangazi University, Sağlık Bilimleri Enstitüsü, Tıbbi Farmakoloji (YI) (Tezli), Turkey 1988 - 1990

Undergraduate, Hacettepe University, Fen Fakültesi, Biyoloji Bölümü, Turkey 1980 - 1984

## Foreign Languages

English, C1 Advanced

## Dissertations

Doctorate, Kekik (*Origanum onites* L.) yağ altı suyunun farmakolojisi, Anadolu University, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Farmakoloji (Dr), 1996

Postgraduate, Hypericum perforatumun hepatoprotektif etkileri, Eskisehir Osmangazi University, Sağlık Bilimleri Enstitüsü, Tıbbi Farmakoloji (YI) (Tezli), 1990

## Research Areas

Pharmacology

## Academic Titles / Tasks

Professor, Anadolu University, ECZACILIK FAKÜLTESİ, ECZACILIK MESLEK BİLİMLERİ BÖLÜMÜ, 2005 - Continues

## Courses

DENEYSEL FARMAKOLOJİ I, Undergraduate, 2015 - 2016

FARMAKOLOJİ II, Undergraduate, 2015 - 2016

Farmakovijilans ve TERS İLAC REAKSİYONLARI, Undergraduate, 2015 - 2016

Deneyel Farmakoloji II, Doctorate, 2013 - 2014

Deney hayvanlari, Associate Degree, 2013 - 2014

Deneyisel Farmakoloji I, Postgraduate, 2013 - 2014  
Ters ilac reaksiyonlari, Undergraduate, 2013 - 2014  
human physiology, Associate Degree, 2012 - 2013  
mechanisms of drug reactions, Associate Degree, 2012 - 2013  
Artistik anatomi, Undergraduate, 2011 - 2012

## Articles Published in Other Journals

- I. **Relaxing actions of carvacrol on isolated rat duodenum smooth muscles: Evidence for the role of potassium ion channels**  
Yusuf M., AYDIN S.  
JOURNAL OF RESEARCH IN PHARMACY, vol.28, no.5, pp.1501-1507, 2024 (ESCI)
- II. **Inhibitory action of (-)-terpinen-4-ol on inflammation.**  
ÇAKMAK A., AYDIN S.  
Anatomy, vol.13, no.1, 2019 (Peer-Reviewed Journal)
- III. **Analgesic actions of borneol: Evidence for specific actions**  
ÇAKMAK A., AYDIN S.  
Journal of Cellular Neuroscience and Oxidative Stress, vol.10, 2018 (Scopus)
- IV. **Gender specific analgesic action of thymol**  
ÇAKMAK A., AYDIN S.  
intrinsic activity, vol.3, 2015 (Peer-Reviewed Journal)
- V. **Analgesic action of Androctonus crassicauda venom evidence for new analgesic peptides**  
AYDIN S., ÇAKMAK A., ÇALIŞKAN F.  
intrinsic activity, vol.3, 2015 (Peer-Reviewed Journal)
- VI. **Inhibitory actions of carvacrol on inflamed and healthy isolated distal colon of mice**  
AYDIN S., ÇAKMAK A.  
Anatomy, vol.9, pp.53, 2015 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **GG4 motif based differences between beta-1 adrenergic receptors of human mouse and cat.**  
AYDIN S., ÇAKMAK A.  
1.Uluslararası Veteriner Farmakoloji ve Toksikoloji Kongresi, 4 - 07 September 2019
- II. **GG4 (GxxxG) motif based differences between bovine, rat, mouse and human alpha-1A adrenergic receptors**  
ÇAKMAK A., AYDIN S.  
1.uluslararası VI.veteriner Farmakoloji ve toksikoloji kongresi, 4 - 07 September 2019
- III. **Bioinformatical analysis of Leiurus quinquestriatus toxin sequences for analgesic activity**  
AYDIN S., ÇAKMAK A.  
International Multidisciplinary Symposium on Drug Research and Development (DRD), 15 - 17 October 2015
- IV. **Analgesic action of Androctonus crassicauda venom evidence for new analgesic peptides**  
AYDIN S., ÇAKMAK A., ÇALIŞKAN F.  
21st Scientific Symposium of the Austrian Pharmacological Society APHAR Joint meeting with the British Pharmacological Society and the Pharmacological Societies of Croatia, Serbia and Slovenia, 16 - 18 September 2015
- V. **Gender specific analgesic action of thymol**  
ÇAKMAK A., AYDIN S.  
21st Scientific Symposium of the Austrian Pharmacological Society APHAR Joint meeting with the British Pharmacological Society and the Pharmacological Societies of Croatia, Serbia and Slovenia, 16 - 18 September

2015

- VI. **Androctonus crassicauda ve Mesobuthus gibbosus toksinlerinin analjezik etki açısından biyoinformatik olarak karşılaştırılması**  
ÇAKMAK A., AYDIN S.  
23. ulusal farmakoloji kongresi, Turkey, 7 - 10 September 2015
- VII. **Orto krezol un enflamatuvar etkisinde TRP kanallarının rolü**  
AYDIN S., ÇAKMAK A.  
23. ulusal farmakoloji kongresi, Turkey, 7 - 10 September 2015
- VIII. **Inhibitory actions of carvacrol on inflammed and healthy isolated distal colon of mice**  
AYDIN S., ÇAKMAK A.  
13th Turkish Neuroscience Congress, Turkey, 30 April - 03 May 2015, vol.9, pp.53
- IX. **Investigations on analgesic actions of venoms of Androctonus and Mesobuthus species**  
AYDIN S., ÇALIŞKAN F., BEKTAŞ N., ÇAKMAK A.  
6th National Congress of Neuroscience, Turkey, 9 - 13 April 2007
- X. **Androctonus Crassicauda türü akrep venomunun Vas Deferens üzerinde Fenilefrin ve KCL Cevapları Üzerine Etkisi**  
BEKTAŞ N., AYDIN S., ÇALIŞKAN F.  
Türk Farmakoloji Derneği 18. Ulusal Farmakoloji Kongresi, Turkey, 28 September - 01 October 2005
- XI. **A Computer Database for the in vivo Dosage in Experimental Animals (ACD-IDEA).**  
ÖZTÜRK Y., GÜNEŞ A., BABANLI A., ABDALLAH Q., TOPBAŞ-CAN Ö. D., BEKTAŞ TÜRKMEN N., AYDIN S.  
EPHAR2004 (FEDERATION OF EUROPEAN PHARMACOLOGICAL SOCIETIES) 4th EUROPEAN CONGRESS OF PHARMACOLOGY, Porto, Portugal, 14 - 17 July 2004, vol.18, pp.86
- XII. **Androctonus crassicauda Olivier 1807 Türü Akrep Venomu LD50 HPLC ve Anti Venom**  
ÇALIŞKAN F., AYDIN S., Açıkkalp E., Erdemgil F. Z., Akpınar R., Gökyaprak S.  
V. Ulusal Kromatografi Kongresi, Turkey, 30 June - 02 July 2004
- XIII. **Inhibitory Effect of m cresol on isolated rat fundus**  
AYDIN S., BEKTAŞ N.  
7th International Symposium on Pharmaceutical Sciences, 24 - 27 October 2003
- XIV. **Effect of o-, m- and p- methylphenoxyacetic acid on the rat fundus, duodenum and ileum.**  
TOPBAŞ-CAN Ö. D., AYDIN S., ÖZTÜRK Y.  
IUPHAR2002 (INTERNATIONAL UNION OF PHARMACOLOGY) XIVth WORLD CONGRESS OF PHARMACOLOGY, San-Francisco, Costa Rica, 7 - 12 July 2002, vol.44, pp.39
- XV. **Effects of Gentiana lutea ssp. symphyandra roots on the central nervous system of mice.**  
ÖZTÜRK N., ÖZTÜRK Y., AYDIN S., BAŞER K. H. C.  
EPHAR2001 (FEDERATION OF EUROPEAN PHARMACOLOGICAL SOCIETIES) SECOND EUROPEAN CONGRESS OF PHARMACOLOGY, Lyon, France, 6 - 09 July 2001, vol.15, pp.142
- XVI. **Effects of carbontetrachloride-induced hepatotoxicity on the cardiovascular activity of angiotensin II and noradrenaline in rat aorta.**  
HEREKMAN-DEMİR T., ÖZTÜRK Y., AYDIN S.  
EPHAR2001 (FEDERATION OF EUROPEAN PHARMACOLOGICAL SOCIETIES) SECOND EUROPEAN CONGRESS OF PHARMACOLOGY, Lyon, France, 6 July - 09 June 2001, vol.15, pp.105
- XVII. **Pharmacological effects of tastromine.**  
BEİS R., ÖZTÜRK Y., AYDIN S.  
EPHAR2001 (FEDERATION OF EUROPEAN PHARMACOLOGICAL SOCIETIES) SECOND EUROPEAN CONGRESS OF PHARMACOLOGY, Lyon, France, 6 - 09 July 2001, vol.15, pp.84
- XVIII. **Analgesic and antispasmodic activities of 2-(2-nitro)-1H-benzimidazol 5-carboxylic acid.**  
AYDIN S., BEİS R., TOPBAŞ Ö. D., ÖZTÜRK Y.  
EPHAR2001 (FEDERATION OF EUROPEAN PHARMACOLOGICAL SOCIETIES) SECOND EUROPEAN CONGRESS OF PHARMACOLOGY, Lyon, France, 6 - 09 July 2001, vol.15, pp.141
- XIX. **Synthesis and antispasmodic activity of some 2,5-di and 1,2,5-trisubstituted benzimidazole compounds.**

- UÇUCU Ü., IŞIKDAĞ İ., GÜNDOĞDU KARABURUN N., KARABURUN A. Ç., MERİÇ A., ÖZTÜRK Y., AYDIN S., ERĞUN B. EUFEPS2000 (EUROPEAN FEDERATION FOR PHARMACEUTICAL SCIENCES) 6th EUROPEAN CONGRESS OF PHARMACEUTICAL SCIENCES, Budapest, Hungary, 16 - 19 September 2000, vol.11, pp.118-119
- XX. **Synthesis and antispasmodic activity of some 2- and 1,2-disubstituted 4,5,6,7-tetrahydrobenzimidazoles.**  
IŞIKDAĞ İ., UÇUCU Ü., GÜNDOĞDU KARABURUN N., KARABURUN A. Ç., MERİÇ A., ÖZTÜRK Y., AYDIN S., ERĞUN B. EUFEPS2000 (EUROPEAN FEDERATION FOR PHARMACEUTICAL SCIENCES) 6th EUROPEAN CONGRESS OF PHARMACEUTICAL SCIENCES, Budapest, Hungary, 16 - 19 September 2000, vol.11, pp.110-111
- XXI. **Synthesis, Mutagenicity and Analgesic Activity of Some Tri- and Tetrasubstituted Imidazole Derivatives**  
IŞIKDAĞ İ., UÇUCU Ü., MERİÇ A., GÜNDOĞDU KARABURUN N., AYDIN S., ERĞUN B. 6th European Congress of Pharmaceutical Sciences (EUFEPS 2000), 16 - 19 September 2000
- XXII. **Analgesic activity of *Nepeta sulfuriflora*: A new method to estimate active compound.**  
AYDIN S., ÖZTÜRK Y., BAŞER K. H. C. EPHAR99 (FEDERATION OF EUROPEAN PHARMACOLOGICAL SOCIETIES) SECOND EUROPEAN CONGRESS OF PHARMACOLOGY, Budapest, Hungary, 3 - 07 July 1999, vol.13, pp.212
- XXIII. **Opioid mechanisms in the analgesic activity of antidepressant drugs, desipramine and trimeprimine.**  
ÖZTÜRK Y., AYDIN S., BEİS R. EPHAR99 (FEDERATION OF EUROPEAN PHARMACOLOGICAL SOCIETIES) SECOND EUROPEAN CONGRESS OF PHARMACOLOGY, Budapest, Hungary, 3 - 07 July 1999, vol.13, pp.211
- XXIV. **Effects of secoiridoid compounds, gentiopicroside, swertiamarine and sweroside, on cultured chicken embryonic fibroblasts.**  
ÖZTÜRK N., KORKMAZ S., AYDIN S., ÖZTÜRK Y., BAŞER K. H. C. XIIIth IUPHAR (INTERNATIONAL UNION OF PHARMACOLOGY) INTERNATIONAL CONGRESS OF PHARMACOLOGY, Munich, Germany, 26 - 31 July 1998, vol.358, pp.518
- XXV. **Analgesic effects of *Nepeta italica* L.: Evidence for a new opioid compound; 1,8-cineol.**  
AYDIN S., DEMİR T., ÖZTÜRK Y., BAŞER K. H. C. XIIIth IUPHAR (INTERNATIONAL UNION OF PHARMACOLOGY) INTERNATIONAL CONGRESS OF PHARMACOLOGY, Munich, Germany, 26 - 31 July 1998, vol.358, pp.77-82
- XXVI. **The chemistry and pharmacology of *Origanum* [kekik] water.**  
AYDIN S., Başer K., ÖZTÜRK Y. 27th International Symposium on Essential Oils, 7 - 11 September 1996
- XXVII. **Effects of certain *Hypericum* species on the central nervous system of mice**  
ÖZTÜRK Y., AYDIN S., ÖZTÜRK N., BAŞER K. H. C. 2nd INTERNATIONAL CONGRESS ON PHYTOMEDICINE, Munich, Germany, 11 - 14 September 1996, vol.3, pp.102
- XXVIII. **Effect of streptozotocin diabetes and insulin treatment on calcium sensitivity of smooth muscles isolated from rats**  
ÖZTÜRK Y., ALTAN V. M., AYDIN S. 3rd ISOPS (INTERNATIONAL SYMPOSIUM ON PHARMACEUTICAL SCIENCES), Ankara, Turkey, 15 - 18 June 1993, pp.84
- XXIX. **Hepatoprotective [ antihepatotoxic ] plants in Turkey**  
ÖZTÜRK Y., Başer K., AYDIN S. 9.Bitkisel ilac hammaddeleri toplantısı [ 9th Symposium on plant drugs ], Eskişehir, Turkey, 16 May 1991

## Supported Projects

KOPARAL A. T., AYDIN S., TUBITAK Project, 6 Bisikloaril substitentli R 5 6 dihidro 2H pyran 2 on türevlerinin anti tümör özellikleri Laboratuvarından klinik öncesi çalışmalara, Continues

## **Scientific Refereeing**

TOXICOLOGY AND APPLIED PHARMACOLOGY, SCI Journal, May 2022