

## Prof. MUTAY AYDIN ASLAN

### Personal Information

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### International Researcher IDs

ORCID: 0000-0002-0660-971X

Publons / Web Of Science ResearcherID: C-7566-2016

ScopusID: 7006409691

Yoksis Researcher ID: 207090

### Education Information

Post Doctorate, The University of Alabama at Birmingham, Tıp Fakültesi, Anesthesiology Araştırma Bölümü, United States Of America 2002 - 2002

Doctorate, The University of Alabama at Birmingham, Tıp Fakültesi, Biyokimya Ve Moleküler Genetik, United States Of America 1998 - 2002

Expertise In Medicine, Akdeniz University, Akdeniz , Tıbbi Biyokimya, Turkey 1994 - 1998

Undergraduate, Cukurova University, Tıp Fakültesi, Tıp, Turkey 1987 - 1993

### Foreign Languages

English, C1 Advanced

### Certificates, Courses and Trainings

Health&Medicine, Nano teknoloji temelli real-time PCR teknikleri uygulamalı kursu, Mersin Üniversitesi, 2011

Health&Medicine, Klinik Araştırmalarda Etik Yaklaşım Kursu, Sağlık Bakanlığı İlaç ve Eczacılık Genel Müdürlüğü., 2009

Health&Medicine, Human Subjects Protection Training Program., The University of Alabama at Birmingham., 2000

Occupational Health and Safety, Radiation Safety Course, The University of Alabama at Birmingham, 1998

Health&Medicine, Turkish Heart Study, The Gladstone Research Laboratories, 1991

Health&Medicine, Acil Yardım ve Eğitim Kursu, Çukurova Üniversitesi Tıp Fakültesi., 1982

### Dissertations

Doctorate, REACTIVE OXYGEN SPECIES IN SICKLE CELL DISEASE, The University of Alabama at Birmingham, Tıp Fakültesi, Biyokimya Ve Moleküler Genetik, 2002

Expertise In Medicine, G-CSF VE GM-CSF'İN NÖTROPİLLERDEKİ RESPIRATUAR PATLAMAYA OLAN ETKİLERİNİN KEMİLÜMİNESANS YÖNTEMLERİ İNCELENMESİ, Akdeniz University, Tıp Fakültesi, Tıbbi Biyokimya, 1998

### Research Areas

Medicine, Health Sciences, Fundamental Medical Sciences, Biochemistry

## Academic Titles / Tasks

Professor, Akdeniz University, Faculty of Medicine, Department of Basic Medical Sciences, 2009 - Continues  
Associate Professor, Akdeniz University, Faculty of Medicine, Department of Basic Medical Sciences, 2004 - 2009  
Expert, Akdeniz University, Faculty of Medicine, Department of Basic Medical Sciences, 2002 - 2004  
The University of Alabama at Birmingham, Faculty of Medicine, Anesteziyoloji Araştırma Bölümü, 2002 - 2002  
Research Assistant PhD, The University of Alabama at Birmingham, Faculty of Medicine, Temel Bilimler, 1998 - 2002  
Research Assistant PhD, Akdeniz University, Faculty of Medicine, Department of Basic Medical Sciences, 1994 - 1998

## Academic and Administrative Experience

Director of the Center, Akdeniz University, Faculty Of Medicine, Department of Basic Medical Sciences, 2020 - Continues  
Akdeniz University, Tıp Fakültesi , Temel Bilimler, 2014 - Continues  
Akdeniz University, Tıp Fakültesi , Temel Bilimler, 2004 - Continues

## Courses

### Postgraduate

Canlı Sistemlerdeki Biyomoleküllerin Özellikleri ve Biyoenerjetik, Postgraduate, 2013 - 2014

## Supervised Theses

Aydın Aslan M., Böbrek epitel hücrelerinde endoplazmik retikulum stresinin lipid düzeyleri, inflamatuvar ve apoptotik yollar üzerindeki etkileri, Postgraduate, H.TUĞÇE(Student), 2021  
Aydın Aslan M., RETİNAL PİGMENT EPİTEL HÜCRELERİNDE ENDOPLAZMİK RETİKULUM STRESİNİN SİFİNGOLİPİD DÜZEYLERİ VE APOPTOTİK YOLAK ÜZERİNDEKİ ETKİLERİ, Doctorate, E.AFŞAR(Student), 2021  
Aydın Aslan M., Diklofenak sodyum'un kolorektal kanser hücrelerinde adezyon molekülleri ve apoptozise etkisi, Postgraduate, Ç.YILMAZ(Student), 2021  
Aydın Aslan M., Karaciğer iskemi reperfüzyonunda nötral sfingomyelinaz inhibisyonunun endoplazmik retikulum stresine ve apoptotik hücre ölümüne olan etkisi, Doctorate, H.TUZCU(Student), 2018  
Aydın Aslan M., Akne vulgarisi olan hastalarda sfingomyelin ve seramid inflamatuvar yolağının araştırılması, Postgraduate, S.KAYA(Student), 2018  
Aslan M., AYDIN ASLAN M., Karaciğer iskemi reperfüzyonunda arashidonik asit salınımı ve inflamatuvar yollara etkisi, Postgraduate, E.Kıraç(Student), 2015  
AYDIN ASLAN M., BARİATRİK CERRAHİNİN ERKEN DÖNEMDE REVERS KOLESTEROL TRANSPORTUNA ETKİSİ, Expertise In Medicine, S.Doğan(Student), 2013  
AYDIN ASLAN M., TİP 2 DİYABET HASTALARINDA KAN GLUKOZ DÜZEYLERİNDEKİ DEĞİŞKENLİĞİN PLAZMA VE İDRAR OKSİDASYONUNA ETKİSİ, Postgraduate, H.Tuzcu(Student), 2012

## Jury Memberships

Expertise In Medicine, Tıbbi Biyokimya Tıpta Uzmanlık Jürisi, Antalya Eğitim ve Araştırma Hastanesi, March, 2014  
Post Graduate, Tez: İzoproterenol ile oluşturulan kardiyak hasara kükürt , Akdeniz Üniversitesi Tıp Fakültesi , January, 2014  
Academic Staff Examination, Biyokimya Anabilim Dalı Doktora Giriş Sınavı Jürisi, Akdeniz Üniversitesi Tıp Fakültesi , January, 2014  
Post Graduate, Biyokimya Anabilim Dalı Yüksek Lisans Tez Savunma Jürisi, Akdeniz Üniversitesi Tıp Fakültesi , January, 2014  
Appointment to Academic Staff-Assistant Professorship, Sağlık Bilimleri Enstitüsü Biyokimya Anabilim Dalı Araştırma Görevlisi kadrosuna atama jürisi , Akdeniz Üniversitesi Tıp Fakültesi, August, 2013  
Academic Staff Examination, Biyokimya Anabilim Dalı Yüksek Lisans ve Doktora Giriş Sınavı Jürisi, Akdeniz Üniversitesi Tıp Fakültesi , July, 2013  
Appointment to Academic Staff-Assistant Professorship, Tıbbi Biyokimya Anabilim Dalı'nda açık bulunan Doçent kadrosuna

atama jürisi, , Akdeniz Üniversitesi Rektörlüğü, July, 2013

Expertise In Medicine, Tıpta Uzmanlık Jürisi, Akdeniz Üniversitesi Tıp Fakültesi , February, 2013

Associate Professor Exam, Doçentlik Sınavı Jürisi, Üniversiteler Arası Kurul, November, 2012

Post Graduate, Yüksek Lisans Tez Savunma Jürisi, Akdeniz Üniversitesi Tıp Fakültesi Fizyoloji Anabilim Dalı, July, 2012

Post Graduate, Yüksek Lisans Tez Savunma Jürisi, Akdeniz Üniversitesi Tıp Fakültesi Tıbbi Biyokimya Anabilim Dalı , February, 2012

Appointment to Academic Staff-Assistant Professorship, Profesör kadrosuna atama jürisi, , Ege Üniversitesi Rektörlüğü , February, 2012

Associate Professor Exam, Doçentlik Sınavı Asil Jürisi, T.C. Üniversitelerarası Kurul Başkanlığı, January, 2012

Post Graduate, Yüksek Lisans Tez Savunma Jürisi, Üniversitesi Tıp Fakültesi Anatomi Anabilim Dalı , December, 2011

Post Graduate, Biyofizik Anabilim Dalı Yüksek Lisans Tez Savunma Jürisi, Akdeniz Üniversitesi Tıp Fakültesi , December, 2011

Appointment to Academic Staff-Assistant Professorship, Profesör kadrosuna atama jürisi, , Ege Üniversitesi Rektörlüğü , November, 2011

Academic Staff Examination, Biyokimya Anabilim Dalı Yüksek Lisans Giriş Sınavı , Akdeniz Üniversitesi Tıp Fakültesi, August, 2010

Appointment to Academic Staff-Assistant Professorship, Profesör kadrosuna atama jürisi, İstanbul Üniversitesi Rektörlüğü , August, 2010

Academic Staff Examination, Biyokimya Anabilim Dalı Yüksek Lisans Giriş Sınavı Jürisi, Akdeniz Üniversitesi Tıp Fakültesi , August, 2009

Post Graduate, Yüksek Lisans Tez Savunma Jürisi, Akdeniz Üniversitesi Tıp Fakültesi Biyokimya Anabilim Dalı , June, 2008

Post Graduate, Yüksek Lisans Tez Savunma Jürisi, Akdeniz Üniversitesi Tıp Fakültesi Biyofizik Anabilim Dalı , March, 2008

Post Graduate, Yüksek Lisans Tez Savunma Jürisi, Akdeniz Üniversitesi Tıp Fakültesi Fizyoloji Anabilim Dalı . , June, 2006

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

- I. **Chronic Nasal Administration of Kisspeptin-54 Regulates Mood-Related Disorders Via Amygdaloid GABA in Hemi-Parkinsonian Rats**  
ŞİNEN O., Gemici Sinen A., DERİN N., AYDIN ASLAN M.  
Balkan Medical Journal, vol.41, no.6, pp.476-483, 2024 (SCI-Expanded)
- II. **Antiproliferative Effect of 7-Ketositosterol in Breast and Liver Cancer Cells: Possible Impact on Ceramide, Extracellular Signal-Regulated Kinases, and Nuclear Factor Kappa B Signaling Pathways**  
Barut Z., AYDIN ASLAN M., Çırçırılı B., Çeker T., Yılmaz Ç.  
Pharmaceuticals, vol.17, no.7, 2024 (SCI-Expanded)
- III. **Decreased plasma levels of sphingolipids and total cholesterol in adult cystic fibrosis patients**  
Bal Topcu D., Er B., Ozcan F., AYDIN ASLAN M., Coplu L., LAY İ., ER ÖZTAŞ Y.  
Prostaglandins Leukotrienes and Essential Fatty Acids, vol.197, 2023 (SCI-Expanded)
- IV. **Relationship between serum Betatrophin, GPIHBP1, and LDL subfractions in patients with gestational diabetes mellitus**  
Saruhan E., Ispir E., Basaran Y., Akbaba E., Tosun K., Aslan M.  
Clinical Biochemistry, vol.118, 2023 (SCI-Expanded)
- V. **Sphingolipidomic profile and HDL subfractions in obese dyslipidemic type 2 diabetic patients**  
Aslan İ., Aydın D., Koca Y., Yılmaz Ç., Çeker T., Öztüzün A., Aslan M.  
Prostaglandins and Other Lipid Mediators, vol.166, 2023 (SCI-Expanded)
- VI. **Resveratrol in Neurodegeneration, in Neurodegenerative Diseases, and in the Redox Biology of the Mitochondria**  
DANIŞMAN B., Kelek S., AYDIN ASLAN M.  
Psychiatry and Clinical Psychopharmacology, vol.33, no.2, pp.147-155, 2023 (SCI-Expanded)
- VII. **Editorial: Bioactive sphingolipids in health and disease**  
Aslan M., ER ÖZTAŞ Y., Silva L. C.  
Frontiers in Molecular Biosciences, vol.9, 2022 (SCI-Expanded)
- VIII. **Effects of biotin deficiency on short term memory: The role of glutamate, glutamic acid, dopamine and protein kinase A**  
MUNZUROĞLU M., DANIŞMAN B., Akçay G., Yelli İ., Aslan M., DERİN N.  
Brain Research, vol.1792, 2022 (SCI-Expanded)

- IX. **Endoplasmic-reticulum-stress-induced lipotoxicity in human kidney epithelial cells.**  
Çeker T., Yılmaz Ç., Kırımlioglu E., Aslan M.  
Toxicology research, vol.11, no.4, pp.683-695, 2022 (SCI-Expanded)
- X. **Therapeutic Effects of Transcranial Direct Current Stimulation on Learning Changes and Glutamate Level Regulation After Experimental Cerebral Ischemia**  
AKÇAY G., DERİN N., Aslan M., KİPMEN KORGUN D.  
ACTA PHYSIOLOGICA, vol.234, pp.34, 2022 (SCI-Expanded)
- XI. **The influence of syringic acid treatment on total dopamine levels of the hippocampus and on cognitive behavioral skills**  
Ogut E., Akçay G., YILDIRIM F. B., DERİN N., AYDIN ASLAN M.  
INTERNATIONAL JOURNAL OF NEUROSCIENCE, vol.132, no.9, pp.901-909, 2022 (SCI-Expanded)
- XII. **TUNICAMYCIN INDUCED SPHINGOLIPID AND POLYUNSATURATED FATTY ACID CHANGES IN HUMAN KIDNEY EPITHELIAL CELLS**  
Aydın Aslan M.  
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.46, pp.100-104, 2021 (SCI-Expanded)
- XIII. **Diclofenac down-regulates COX-2 induced expression of CD44 and ICAM-1 in human HT29 colorectal cancer cells**  
Yılmaz C., KÖKSOY S., Ceker T., Aslan M.  
NAUNYN-SCHMIEDEBERGS ARCHIVES OF PHARMACOLOGY, vol.394, no.11, pp.2259-2272, 2021 (SCI-Expanded)
- XIV. **The investigation of the role of sirtuin-1 on embryo implantation in oxidative stress-induced mice**  
Aksu K., Gölal E., Aydın Aslan M., Üstünel İ., Acar Aydemir N.  
JOURNAL OF ASSISTED REPRODUCTION AND GENETICS, vol.38, no.9, pp.2349-2361, 2021 (SCI-Expanded)
- XV. **Neuropeptide-S Affects Cognitive Impairment and Depression-like Behavior on MPTP Induced Experimental Mouse Model of Parkinson's Disease.**  
Özkan A., Bülbül M., Derin N., Sinen O., Akçay G., Parlak H., Aydın Aslan M., Ağar A.  
Turkish journal of medical sciences, 2021 (SCI-Expanded)
- XVI. **Role of ceramide and ER stress in the antiproliferative effects of thymoquinone in MCF-7 and HepG2 cancer cells**  
Aslan M., Afsar E., Kırımlioglu E., Ceker T., Yılmaz C.  
FEBS OPEN BIO, vol.11, pp.84, 2021 (SCI-Expanded)
- XVII. **Alleviation of prilocaine-induced epileptiform activity and cardiotoxicity by thymoquinone**  
Akgül B., AYCAN İ. Ö., Hidisoglu E., Afsar E., Yildirim S., TANRIÖVER G., COŞKUNFIRAT N., Sanli S., AYDIN ASLAN M.  
DARU-JOURNAL OF PHARMACEUTICAL SCIENCES, vol.29, no.1, pp.85-99, 2021 (SCI-Expanded)
- XVIII. **Antiproliferative Effects of Thymoquinone in MCF-7 Breast and HepG2 Liver Cancer Cells: Possible Role of Ceramide and ER Stress**  
AYDIN ASLAN M., Afsar E., KIRIMLIOĞLU E., Ceker T., Yılmaz C.  
NUTRITION AND CANCER-AN INTERNATIONAL JOURNAL, vol.73, no.3, pp.460-472, 2021 (SCI-Expanded)
- XIX. **Organ function, sphingolipid levels and inflammation in tunicamycin induced endoplasmic reticulum stress in male rats**  
AYDIN ASLAN M., Elpek O., AKKAYA B., TUZCU BALABAN H., Afsar E.  
HUMAN & EXPERIMENTAL TOXICOLOGY, vol.40, no.2, pp.259-273, 2021 (SCI-Expanded)
- XX. **Polyunsaturated Fatty Acid and Sphingolipid Measurements by Tandem Mass Spectrometry**  
AYDIN ASLAN M.  
MINI-REVIEWS IN ORGANIC CHEMISTRY, vol.18, no.1, pp.3-10, 2021 (SCI-Expanded)
- XXI. **Evaluation of Preoperative and Postoperative S100 beta and NSE Levels in Liver Transplantation and Right Lobe Living-Donor Hepatectomy: A Prospective Cohort Study**  
DİNÇ B., AYCAN İ. Ö., AYDIN ASLAN M., HADİMİOĞLU N., ERTUĞ Z., KISAOĞLU A., DEMİRİYLMAZ İ.  
TRANSPLANTATION PROCEEDINGS, vol.53, no.1, pp.16-24, 2021 (SCI-Expanded)
- XXII. **Increased PUFA levels in kidney epithelial cells in the course of diclofenac toxicity**  
AYDIN ASLAN M., KIRIMLIOĞLU E., Afsar E., ÇEKER T., YILMAZ C.  
TOXICOLOGY IN VITRO, vol.66, 2020 (SCI-Expanded)
- XXIII. **The Effects of Syringic Acid on Learning & Memory After Chronic Deltamethrin Exposure in Wistar Rats**  
Ogut E., ŞEKERCİ R., Akçay G., YILDIRIM F. B., DERİN N., AYDIN ASLAN M., Sati L.  
JOURNAL OF ANATOMY, vol.236, pp.201, 2020 (SCI-Expanded)

- XXIV. **Histopathological and biochemical assessment of a novel diagnostic method for ovarian torsion**  
Ozekinci M., Kucuksayan E., Erdogan G., AYDIN ASLAN M., Pestereli E., CANPOLAT M., Sircan-Kucuksayan A.  
BIOTECHNIC & HISTOCHEMISTRY, vol.95, no.3, pp.203-209, 2020 (SCI-Expanded)
- XXV. **Effect of ER stress on sphingolipid levels and apoptotic pathways in retinal pigment epithelial cells**  
Afsar E., KIRIMLIOĞLU E., ÇEKER T., YILMAZ C., DEMİR N., Aslan M.  
REDOX BIOLOGY, vol.30, 2020 (SCI-Expanded)
- XXVI. **Does ischemic preconditioning increase flap survival by ADORA2B receptor activation?**  
ÜLKER P., ÖZKAN Ö., Amoroso M., AYDIN ASLAN M., Bassorgun I., Ubur M. C., Unal K., Ozcan F., ÖZKAN Ö.  
CLINICAL HEMORHEOLOGY AND MICROCIRCULATION, vol.75, no.2, pp.151-162, 2020 (SCI-Expanded)
- XXVII. **Neuroprotective Effect of Neuropeptide-S on Cognitive Functions in the Experimental Model of Parkinson's Disease", Acta Physiologica**  
SİNEN O., BÜLBÜL M., ÖZKAN A., DERİN N., AKÇAY G., PARLAK H., AYDIN ASLAN M., AĞAR A.  
ACTA PHYSIOLOGICA, vol.227, no.722, pp.88, 2019 (SCI-Expanded)
- XXVIII. **Serum Sphingolipidomic Analysis in Acne Vulgaris Patients**  
Kaya S., Aslan I., Kirac E., Karaarslan T., AYDIN ASLAN M.  
ANNALS OF CLINICAL AND LABORATORY SCIENCE, vol.49, no.2, pp.242-248, 2019 (SCI-Expanded)
- XXIX. **Oxidative DNA Damage-Mediated Genomic Heterogeneity Is Regulated by NKX3.1 in Prostate Cancer**  
DEBELEÇ BÜTÜNER B., Bostanci A., Ozcan F., Singin O., Karamil S., AYDIN ASLAN M., Roggenbuck D., KORKMAZ K. S.  
CANCER INVESTIGATION, vol.37, no.2, pp.113-126, 2019 (SCI-Expanded)
- XXX. **Diclofenac induced gastrointestinal and renal toxicity is alleviated by thymoquinone treatment**  
AYCAN İ. Ö., Elpek O., AKKAYA B., Kırac E., Tuzcu H., KAYA S., COŞKUNFIRAT N., Aslan M.  
FOOD AND CHEMICAL TOXICOLOGY, vol.118, pp.795-804, 2018 (SCI-Expanded)
- XXXI. **Effect of tauroursodeoxycholic acid on PUFA levels and inflammation in an animal and cell model of hepatic endoplasmic reticulum stress**  
ASLAN M., KIRAC E., YILMAZ O., ÜNAL B., KONUK E., OZCAN F., TUZCU H.  
HUMAN & EXPERIMENTAL TOXICOLOGY, vol.37, no.8, pp.803-816, 2018 (SCI-Expanded)
- XXXII. **Sphingolipidomic analysis reveals decreased levels of very long chain sphingomyelins and ceramides in sickle cell disease patients**  
AYDIN ASLAN M., Kirac E., Kaya S., Ozcan F., Salim O., Kupesiz O. A.  
FEBS OPEN BIO, vol.8, pp.278-279, 2018 (SCI-Expanded)
- XXXIII. **Decreased Serum Levels of Sphingomyelins and Ceramides in Sickle Cell Disease Patients**  
Aslan M., Kırac E., KAYA S., Ozcan F., SALİM O., KÜPESİZ O. A.  
LIPIDS, vol.53, no.3, pp.313-322, 2018 (SCI-Expanded)
- XXXIV. **Effect of 20-HETE inhibition on L-NAME-induced hypertension in rats**  
ÖZEN N., ULKER S. N., ULKER P., Ozcan F., Aslan M., Senturk U. K., BASRALI F.  
CLINICAL AND EXPERIMENTAL HYPERTENSION, vol.40, no.3, pp.292-302, 2018 (SCI-Expanded)
- XXXV. **Mass Spectrometric Identification of Collagen Alpha-1 (III) Chain and Chondroitin Sulfate Proteoglycan-4 Nitration in Patients with Acute Pulmonary Embolism**  
ÖZTÜRK O., Eken C., AVCİL Z., Ozcan F., Aslan M.  
CURRENT PROTEOMICS, vol.15, no.1, pp.34-41, 2018 (SCI-Expanded)
- XXXVI. **European contribution to the study of ROS: A summary of the findings and prospects for the future from the COST action BM1203 (EU-ROS)**  
Egea J., Fabregat I., Frapart Y. M., Ghezzi P., Gorlach A., Kietzmann T., Kubaichuk K., Knaus U. G., Lopez M. G., Olaso-Gonzalez G., et al.  
REDOX BIOLOGY, vol.13, pp.94-162, 2017 (SCI-Expanded)
- XXXVII. **The Effects of Different Doses of Ingested Sulfite on The Arachidonic Acid Pathway in the Brain Tissue**  
DERİN N., Topak G., KİPMEN KORGUN D., AYDIN ASLAN M.  
ACTA PHYSIOLOGICA, vol.221, pp.34, 2017 (SCI-Expanded)
- XXXVIII. **Determination of nitrative and oxidative stress markers and the role of selective neutral sphingomyelinase inhibition in hepatic ischemia/reperfusion injury**  
Ozcan F., Tuzcu H., Kirac E., ELPEK G. Ö., AYDIN ASLAN M.  
VIRCHOWS ARCHIV, vol.471, 2017 (SCI-Expanded)
- XXXIX. **Neutral sphingomyelinase inhibition alleviates apoptosis, but not ER stress, in liver ischemia-reperfusion injury**

Tuzcu H., ÜNAL B., Kırac E., KONUK E., Özcan F., ELPEK G. Ö., DEMİR N., Aslan M.  
FREE RADICAL RESEARCH, vol.51, no.3, pp.253-268, 2017 (SCI-Expanded)

- XL. **Decreased Hepatic Polyunsaturated Fatty Acids and Inflammatory Response in a Rat Model of Endoplasmic Reticulum Stress**  
AYDIN ASLAN M., ÜNAL B., Ozcan F., TUZCU BALABAN H., Kirac E.  
FREE RADICAL BIOLOGY AND MEDICINE, vol.100, 2016 (SCI-Expanded)
- XLI. **The Effect of Glutathione Isopropyl Ester on 6-Hydroxydopamine-induced Model of Parkinson's Disease**  
ÖZSOY Ö., AYDIN ASLAN M., TANRIÖVER G., Yuruker S., DEMİR N., Agar A.  
ACTA PHYSIOLOGICA, vol.218, pp.70-71, 2016 (SCI-Expanded)
- XLII. **Mass Spectrometric Quantification of Urinary Netrin-1 Protein in Renal Transplant Recipients**  
Ozcan F., AKBAŞ S. H., SÜLEYMANLAR G., AYDIN ASLAN M., Yucel G.  
CURRENT PROTEOMICS, vol.13, no.1, pp.31-38, 2016 (SCI-Expanded)
- XLIII. **Oxidative stress in beta-thalassaemia and sickle cell disease**  
Voskou S., AYDIN ASLAN M., Fanis P., Phylactides M., Kleanthous M.  
REDOX BIOLOGY, vol.6, pp.226-239, 2015 (SCI-Expanded)
- XLIV. **Glyceraldehyde 3-phosphate dehydrogenase (GAPDH) is inactivated by S-sulfuration in vitro**  
Jarosz A. P., Wei W., Gauld J. W., Auld J., Ozcan F., AYDIN ASLAN M., Mutus B.  
FREE RADICAL BIOLOGY AND MEDICINE, vol.89, pp.512-521, 2015 (SCI-Expanded)
- XLV. **Effects of Ingested Sulfite on Glutamate Synthesis and Release in the Hippocampus**  
DERİN N., KENCEBAY MANAS C., BÜLBÜL M., KİPMEN KORGUN D., Ocak A. G., AYDIN ASLAN M.  
ACTA PHYSIOLOGICA, vol.215, pp.67, 2015 (SCI-Expanded)
- XLVI. **LC-MS/MS analysis of plasma polyunsaturated fatty acids in patients with homozygous sickle cell disease**  
Aslan M., Celmeli G., Ozcan F., Kupesiz A.  
CLINICAL AND EXPERIMENTAL MEDICINE, vol.15, no.3, pp.397-403, 2015 (SCI-Expanded)
- XLVII. **Thiol redox homeostasis in neurodegenerative disease**  
McBean G. J., AYDIN ASLAN M., Griffiths H. R., Torrao R. C.  
REDOX BIOLOGY, vol.5, pp.186-194, 2015 (SCI-Expanded)
- XLVIII. **Induction of omega 6 inflammatory pathway by sodium metabisulfite in rat liver and its attenuation by ghrelin**  
Ercan S., Kencebay C., Basaranlar G., Ozcan F., DERİN N., Aslan M.  
LIPIDS IN HEALTH AND DISEASE, vol.14, 2015 (SCI-Expanded)
- XLIX. **Analysis of Polyunsaturated Fatty Acids and Omega-6 Inflammatory Pathway in Hepatic Ischemia Reperfusion Injury**  
Kırac E., Ozcan F., TUZCU BALABAN H., ELPEK G. Ö., AYDIN ASLAN M.  
FREE RADICAL BIOLOGY AND MEDICINE, vol.76, 2014 (SCI-Expanded)
- L. **The possible role of Apelin on formation and healing mechanisms of ischemia reperfusion (I/R) induced mucosal lesions in rats**  
Gemici B., Eker İ., UYSAL V. N., AYDIN ASLAN M.  
ACTA PHYSIOLOGICA, vol.211, pp.110, 2014 (SCI-Expanded)
- LI. **Early Postoperative Changes of HDL Subfraction Profile and HDL-Associated Enzymes After Laparoscopic Sleeve Gastrectomy**  
Dogan S., Aslan I., Eryilmaz R., Ensari C. O., Bilecik T., Aslan M.  
OBESITY SURGERY, vol.23, no.12, pp.1973-1980, 2013 (SCI-Expanded)
- LII. **Sphingomyelinase Inhibition Decreases ER Stress-Mediated Apoptosis and Caspase Activation in Rat Ocular Hypertension**  
AYDIN ASLAN M., Konuk E. K., Kucuksayan E., ÜNAL M., Ciftcioglu A., DEMİR N., Mutus B.  
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- LIII. **Sphingomyelinase Inhibition Decreases Er Stress-Mediated Apoptosis and Inducible Nitric Oxide Synthase in Retinal Pigment Epithelial Cells**  
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ÖZKAN A., BÜLBÜL M., SİNEN O., DERİN N., AKÇAY G., AYDIN ASLAN M., AĞAR A.

45. Ulusal Fizyoloji Kongresi, Aydın, Turkey, 31 October - 03 November 2019, pp.92
- XXI. **Nöropeptid-S'in Deneysel Parkinson Modelinde Kognitif Fonksiyonlar Üzerine Nöroprotektif Etkisi**  
SİNEN O., BÜLBÜL M., ÖZKAN A., DERİN N., AKÇAY G., PARLAK H., AYDIN ASLAN M., AĞAR A.  
Türk Fizyolojik Bilimler Derneği 45. Ulusal Fizyoloji Kongresi, Aydın, Turkey, 31 October - 03 November 2019, pp.93
- XXII. **Nöropeptid-S'in Deneysel Parkinson Modelinde Kognitif Fonksiyonlar Üzerine Nöroprotektif Etkisi**  
SİNEN O., BÜLBÜL M., ÖZKAN A., DERİN N., AKÇAY G., PARLAK H., AYDIN ASLAN M., AĞAR A.  
45. Ulusal Fizyoloji Kongresi, Aydın, Turkey, 31 October - 03 November 2019, pp.93
- XXIII. **Antiproliferative effects of Thymoquinone in MCF7 and HepG2 cancer cells: possible role of ceramide**  
AYDIN ASLAN M., Afsar E., Kaya S.  
Annual Meeting of the Society-for-Free-Radical-Research- Europe (SFRRE) on Redox Homeostasis - From Signaling to Damage, Ferrara, Italy, 19 - 21 June 2019, vol.139
- XXIV. **Investigation of the effects of L-Carnitine on age-related learning changes and glutamate pathway**  
AKÇAY G., DANIŞMAN B., GÖKÇEK SARAÇ Ç., AYDIN ASLAN M., DERİN N.  
FENS Reaginol Meeting 2019, Belgrade, Serbia, 10 - 13 July 2019, pp.617
- XXV. **Sıçanlarda prenatal ve/veya postnatal dönemde sülfid maruziyetine bağlı nörotoksitede glutamatın rolü**  
AKÇAY G., KENCEBAY MANAS C., DANIŞMAN B., DENİZALTI T., GÖKÇEK SARAÇ Ç., AYDIN ASLAN M., DERİN N.  
17. Ulusal Sinirbilim Kongresi, Trabzon, Turkey, 4 - 07 April 2019, vol.13, pp.35
- XXVI. **Sıçanlarda Prenatal ve/veya Postnatal Dönemde Sülfid Maruziyetine Bağlı Nörotoksitede Glutamatın Rolü**  
AKÇAY G., KENCEBAY MANAS C., DANIŞMAN B., Denizaltı T., SARAÇ Ç., AYDIN ASLAN M., DERİN N.  
17. Ulusal Sinirbilim Kongresi, Turkey, 4 - 07 April 2019
- XXVII. **Sıçanlarda Deneysel Parkinson Modelinin Santral Nöropeptid-S ile Tedavisi: Koruyucu ve İyileştirici Özellikler**  
BÜLBÜL M., SİNEN O., AYDIN ASLAN M., ÖZKAN A., AĞAR A.  
44. Ulusal Fizyoloji Kongresi, Antalya, Turkey, 1 - 04 November 2018, pp.29
- XXVIII. **Sıçanlarda Deneysel Parkinson Modelinin Santral Nöropeptid-S ile Tedavisi: Koruyucu ve İyileştirici Özellikler**  
BÜLBÜL M., SİNEN O., AYDIN ASLAN M., ÖZKAN A., AĞAR A.  
44. Ulusal Fizyoloji Kongresi, Antalya, Turkey, 1 - 04 November 2018, pp.29
- XXIX. **Thymoquinone Alleviates Diclofenac Induced Gastrointestinal and Renal Toxicity**  
AYCAN İ. Ö., ELPEK G. Ö., AKKAYA B., KIRAÇ E., KAYA H., KAYA S., COŞKUNFIRAT N., AYDIN ASLAN M.  
THE ANESTHESIOLOGY ANNUAL MEETING, San-Francisco, Costa Rica, 13 - 17 October 2018
- XXX. **Effects of sulphite exposure on behaviour and its molecular mechanisms**  
DANIŞMAN B., KENCEBAY MANAS C., AKÇAY G., SARAÇ Ç., Denizaltı T., AYDIN ASLAN M., DERİN N.  
3rd International Multidisciplinary Studies Congress, Kiev, Ukraine, 5 - 06 October 2018, pp.1-2
- XXXI. **Plasma ceramides and sphingomyelins increase in primary ciliary dyskinesia but decrease in cystic fibrosis**  
Topcu D. B., Tugcu G., Ozcan F., AYDIN ASLAN M., Esref S., Hizal M. G., Yalcin E. E., DOĞRU ERSÖZ D., Ozcelik U., Kiper N., et al.  
28th International Congress of the European-Respiratory-Society (ERS), Paris, France, 15 - 19 September 2018, vol.52
- XXXII. **Investigation of possible protective role of syringic acid on hippocampus after chronic deltamethrin exposure**  
ÖĞÜT E., ŞEKERCİ R., AKÇAY G., YILDIRIM F. B., DERİN N., SATI G. L., AYDIN ASLAN M.  
XXVI International Symposium on Morphological Sciences (ISMS, PRAG, Czech Republic, 5 - 08 July 2018
- XXXIII. **Adora2b receptor activation mediates flap protection from ischemia/reperfusion injury**  
ÜLKER KARADAMAR P., ÖZKAN Ö., AMOROSO M., AYDIN ASLAN M., ÖZCAN F., BAŞSORGUN C. İ., ÖZKAN Ö.  
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- XXXIV. **Sphingolipidomic analysis in acne vulgaris patient serum shows decreased C24-ceramide and increased ceramide-1-phosphate levels**  
Aslan I., Kaya S., Kirac E., Karaarslan T., Ozcan F., AYDIN ASLAN M.  
19th Biennial Meeting of the Society-for-Free-Radical-Research-International (SFRRI), Lisbon, Portugal, 01 January 2018, vol.120
- XXXV. **Decreased circulating sphingomyelins and ceramides in sickle cell disease patients**  
AYDIN ASLAN M., Kirac E., Kaya S., Ozcan F., SALİM O., KÜPESİZ O. A.  
19th Biennial Meeting of the Society-for-Free-Radical-Research-International (SFRRI), Lisbon, Portugal, 01 January 2018, vol.120

- XXXVI. **Changes in PUFA Levels and Inflammation in a Cell Model of Hepatic Endoplasmic Reticulum Stress**  
AYDIN ASLAN M., Kirac E., Yilmaz O., Konuk E. K., Ozcan F.  
24th Annual Meeting of the Society-for-Redox-Biology-and-Medicine (SfRBM), Maryland, United States Of America, 29  
November - 02 December 2017, vol.112, pp.199
- XXXVII. **Karaciğer Endoplazmik Retikulum Stresinde Pufa Düzeyleri Ve İnflamasyon Üzerinde Tudca'nın Etkisi. 1-5 Ekim 2017. "Kongre LAB EXPO 2017" Antalya.**  
Kıraç E., AYDIN ASLAN M., Yılmaz Ö., ÜNAL B., Kırımhoğlu E., Özcan F., TUZCU BALABAN H.  
Kongre LAB EXPO 2017 Antalya, 1 - 05 October 2017
- XXXVIII. **EFFECT OF TAUROURSODEOXYCHOLIC ACID ON PUFA LEVELS AND INFLAMMATION IN HEPATIC ENDOPLASMIC RETICULUM STRESS.**  
Kıraç E., AYDIN ASLAN M., Yılmaz Ö., Unal B., Kırımlioğlu K., Özcan F., TUZCU BALABAN H.  
8. Ulusal Biyokimya Kongresi, 19 - 23 September 2017
- XXXIX. **Mass Spectrometric Identification of Collagen Alpha-1 (III) Chain and Chondroitin Sulfate Proteoglycan-4 Nitration in Patients with Acute Pulmonary Embolism: A Preliminary Study**  
AYDIN ASLAN M., Ozcan F., AVCİL Z., Ozturk O. H., Eken C.  
OCC World Congress / Annual SFRR-E Conference, Berlin, Germany, 21 - 23 June 2017, vol.108
- XL. **Effect of Neutral Sphingomyelinase Inhibition on ER Stress and Apoptosis in Liver Ischemia-Reperfusion Injury**  
AYDIN ASLAN M., TUZCU BALABAN H., ÜNAL B., Kirac E., Konuk E., Ozcan F., ELPEK G. Ö., DEMİR N.  
OCC World Congress / Annual SFRR-E Conference, Berlin, Germany, 21 - 23 June 2017, vol.108
- XLI. **EFFECT OF NEUTRAL SPHINGOMYELINASE INHIBITION ON ER STRESS AND APOPTOSIS IN LIVER ISCHEMIA-REPERFUSION INJURY**  
AYDIN ASLAN M., TUZCU BALABAN H., ÜNAL B., AFŞAR E., KIRIMLIOĞLU E., ÖZCAN GÜREL F., ELPEK G. Ö., DEMİR N.  
22nd IFCC-EFLM European Congress of Clinical Chemistry and Laboratory Medicine "EuroMedLab Athens 2017", ATİNA, Greece, 11 - 15 June 2017
- XLII. **CHANGES IN PUFA LEVELS AND INFLAMMATION IN AN ANIMAL AND CELL MODEL OF HEPATIC ENDOPLASMIC RETICULUM STRESS**  
AYDIN ASLAN M., AFŞAR E., YILMAZ Ö., ÜNAL B., KIRIMLIOĞLU E., ÖZCAN GÜREL F., TUZCU BALABAN H.  
VI. International Congress of Molecular Medicine, İstanbul, Turkey, 22 - 25 May 2017
- XLIII. **Changes in PUFA Levels and İnflammation in an Animal and Cell Model of Hepatic Endoplasmic Reticulum Stress**  
AYDIN ASLAN M., Kıraç E., Yılmaz Ö., ÜNAL B., Konuk E., Özcan F., TUZCU BALABAN H.  
VI. International Congress of Molecular Medicine, 22 - 25 May 2017
- XLIV. **ORAK HÜCRE ANEMİSİ HASTALARINDA SERUM SFİNGOMYELİN VE SERAMİD DÜZEYLERİ.**  
AYDIN ASLAN M., KÜPESİZ O. A., SALİM O., Özcan F., Kıraç E., Kaya S.  
Uluslararası Katılımlı XVII. Klinik Biyokimya Kongresi. 04-07 Mayıs 2017. Kıbrıs, 4 - 07 May 2017
- XLV. **Endoplasmic reticulum stress decreases hepatic polyunsaturated fatty acids and induces a proinflammatory state in rat liver**  
AYDIN ASLAN M., Unal B., Ozcan F., Tuzcu H., Kirac E.  
41st FEBS Congress on Molecular and Systems Biology for a Better Life, Kusadasi, Turkey, 3 - 08 September 2016, vol.283, pp.79
- XLVI. **Mass spectrometric detection of chondroitin sulfate proteoglycan 4 nitration in patients with acute pulmonary embolism**  
Ozturk O. H., Eken C., Avcil Z., Ozcan F., AYDIN ASLAN M.  
41st FEBS Congress on Molecular and Systems Biology for a Better Life, Kusadasi, Turkey, 3 - 08 September 2016, vol.283, pp.45
- XLVII. **Mass spectrometric detection of collagen alpha-1 (III) chain nitration in patients with acute pulmonary embolism**  
Avcil Z., Ozturk O. H., Eken C., Ozcan F., AYDIN ASLAN M.  
41st FEBS Congress on Molecular and Systems Biology for a Better Life, Kusadasi, Turkey, 3 - 08 September 2016, vol.283, pp.364
- XLVIII. **Comparative cytotoxic and cytoprotective effects of tauroursodeoxycholic acid on tunicamycin treated human liver epithelial THLE-3 cells**  
Kirac E., Yilmaz O., AYDIN ASLAN M.

41st FEBS Congress on Molecular and Systems Biology for a Better Life, Kusadasi, Turkey, 3 - 08 September 2016, vol.283, pp.351

- XLIX. Effect of magnesium supplementation on erythrocyte aggregation in NOS inhibition-induced hypertension model**  
CENGİZ M., ÜYÜKLÜ M., ÜLKER KARADAMAR P., AYDIN ASLAN M., YARAŞ N., ÖZEN N., BASRALI F.  
18th Conference of the European Society for Clinical Hemorheology and Microcirculation, Porto, Portugal, 5 - 08 June 2016, pp.130
- L. Effect of magnesium supplementation on erythrocyte aggregation in NOS inhibition-induced hypertension model**  
CENGİZ M., ÜYÜKLÜ M., ÜLKER KARADAMAR P., AYDIN ASLAN M., YARAŞ N., ÖZEN N., BASRALI F.  
18th Conference of the European Society for Clinical Hemorheology and Microcirculation, Porto, Portugal, 5 - 08 June 2016, pp.130
- LI. Effect of magnesium supplementation on erythrocyte aggregation in NOS inhibition-induced hypertension model**  
CENGİZ M., ÜYÜKLÜ M., ÜLKER KARADAMAR P., AYDIN ASLAN M., YARAŞ N., ÖZEN N., BASRALI F.  
18th Conference of the European Society for Clinical Hemorheology and Microcirculation, Porto, Portugal, 5 - 08 June 2016, pp.130
- LII. Induction of endoplasmic reticulum stress by sodium metabisulfite in rat liver and its attenuation by Ghrelin**  
AYDIN ASLAN M., Ercan S., Kencebay C., Basaranlar G., Derin N.  
40th Congress of the Federation-of-European-Biochemical-Societies (FEBS) - The Biochemical Basis of Life, Berlin, Germany, 4 - 09 July 2015, vol.282, pp.307
- LIII. DECREASED HDL SUBFRACTIONS IN SICKLE CELL DISEASE PATIENTS IS ACCOMPANIED BY A REDUCTION OF BOTH LCAT AND THE ACTIVATOR PROTEIN APOA-1**  
AYDIN ASLAN M., Ozturk O. H., Can Y., Yonden Z., Motor S., Kaya H., Oktay G.  
83rd Congress of the European-Atherosclerosis-Society (EAS), Glasgow, United Kingdom, 22 - 25 March 2015, vol.241
- LIV. Melatonin is a protective effect of dopaminergic neurons in a model of Parkinson's disease**  
TANRIÖVER G., ÖZSOY Ö., DİLMAÇ S., Kaya Y., AYDIN ASLAN M., YILDIRIM F. B., AĞAR A.  
13. Ulusal Sinir Bilimleri Kongresi, Konya, Turkey, 30 April - 03 May 2015, pp.67
- LV. Melatonin is a protective effect of dopaminergic neurons in a model of Parkinson's disease**  
TANRIÖVER G., ÖZSOY Ö., DİLMAÇ S., Kaya Y., AYDIN ASLAN M., YILDIRIM F. B., AĞAR A.  
13. Ulusal Sinir Bilimleri Kongresi, Konya, Turkey, 30 April - 03 May 2015, pp.67
- LVI. Effects of ozone on nerve regeneration after sciatic nerve cut injury.**  
ÖĞÜT E., AYDIN ASLAN M., SARIKCIOĞLU L., YILDIRIM F. B.  
XVI. Ulusal Anatomi Kongresi, Malatya, Turkey, 11 - 14 September 2014, pp.31
- LVII. The possible role of Apelin on formation and healing mechanisms of ischemia reperfusion (I/R) induced mucosal lesions in rats**  
GEMİCİ B., BİRSEN İ., UYSAL V. N., AYDIN ASLAN M.  
The Federation of European Protistological Societies, Budapest, Hungary, 27 - 30 August 2014, pp.110
- LVIII. Nitric Oxide Synthase Stimulation and Endoplasmic Reticulum Stress-mediated Apoptosis Reduces Sphingomyelinase Inhibition in Retinal Pigment Epithelial Cells**  
KIRIMLIOĞLU E., AYDIN ASLAN M., KÜÇÜKSAYAN E., MUTUS B., DEMİR N.  
12. Ulusal Histoloji ve Embriyoloji Kongresi, Ankara, Turkey, 27 - 30 May 2014
- LIX. Sphingomyelinase Inhibition Decreases ER Stress-Mediated Apoptosis and Inducible Nitric Oxide Synthase in Retinal Pigment Epithelial Cells**  
KÜÇÜKSAYAN E., KIRIMLIOĞLU E., DEMİR N., MUTUS B., AYDIN ASLAN M.  
Society For Free Radical Biology And Medicine(SFRBM) 20th Annual Meeting, San Antonio, Teksas, United States Of America, 20 - 24 November 2013
- LX. Sphingomyelinase Inhibition Decreases ER Stress-Mediated Apoptosis and Caspase Activation in Rat Ocular Hypertension**  
AYDIN ASLAN M., KIRIMLIOĞLU E., KÜÇÜKSAYAN E., ÜNAL M., ÇİFTÇİOĞLU M. A., DEMİR N., MUTUS B.  
Society For Free Radical Biology And Medicine(SFRBM) 20th Annual Meeting, San Antonio, Teksas, United States Of America, 20 - 24 November 2013
- LXI. Sıçanlarda oluşturulan oküler hipertansiyonun nitrozatif stres ve nötral sfingomiyelinaz ile ilişkisi**

- BAŞARANLAR ÖNCEL G., KÜÇÜKSAYAN E., DERİN N., ÜNAL M., Mutus B., AYDIN ASLAN M.  
25. Ulusal Biyofizik Kongresi, Trabzon, Turkey, 24 - 27 September 2013, pp.3
- LXII. **Oral sodyum tungstat tedavisinin diyabetin kalpte oluşturduğu mekanik ve iyonik değişikliklere etkisi**  
ÖZDEMİR S., AYDEMİR M., ÖZTÜRK ERBOĞA N., DOĞAN S., AYDIN ASLAN M.  
23. ULUSAL BİYOFİZİK KONGRESİ, Edirne, Turkey, 13 - 16 September 2013, pp.40-41
- LXIII. **SFİNGOMYELİN AZALTI İNHİBİSYONU RETİNAL HÜCRELERDE ER STRESİNE BAĞLI APOPTOZİSİ VE NİTRİK OKSİTİ**  
KÜÇÜKSAYAN E., KIRIMLIOĞLU E., DEMİR N., MUTUS B., AYDIN ASLAN M.  
XXV. ULUSAL BİYOKİMYA KONGRESİ, İzmir, Turkey, 3 - 06 September 2013
- LXIV. **Deneysel Parkinsonda melatoninin substantia nigra siklooksijenaz nuklear faktör kapp ve kaspaz 3 seviyelerine etkisi**  
YILDIRIM F. B., AYDIN ASLAN M., Kaya Y., ÖZSOY Ö., ÖĞÜT E., AĞAR A.  
15. Ulusal Anatomi Kongresi, Samsun, Turkey, 5 - 08 September 2013, pp.124-125
- LXV. **Deneysel Parkinsonda melatoninin substantia nigra siklooksijenaz nuklear faktör kapp ve kaspaz 3 seviyelerine etkisi**  
YILDIRIM F. B., AYDIN ASLAN M., Kaya Y., ÖZSOY Ö., ÖĞÜT E., AĞAR A.  
15. Ulusal Anatomi Kongresi, Samsun, Turkey, 5 - 08 September 2013, pp.124-125
- LXVI. **Inhibition of neutral sphingomyelinase decreases elevated levels of nitrotyrosine and inducible nitric oxide synthase in ocular hypertensive rats**  
AYDIN ASLAN M., KÜÇÜKSAYAN E., ÜNAL M., Çiftçioğlu A., DERİN N., BAŞARANLAR ÖNCEL G., Mutus B.  
38th Congress of the Federation-of-European-Biochemical-Societies (FEBS), Saint Petersburg, Russia, 6 - 11 July 2013, no.280, pp.421
- LXVII. **Inhibition of neutral sphingomyelinase decreases elevated levels of nitrotyrosine and inducible nitric oxide synthase in ocular hypertensive rats**  
AYDIN ASLAN M., Kucuksayan E., Unal M., Ciftcioglu A., Derin N., Basaranlar G., Mutus B.  
38th Congress of the Federation-of-European-Biochemical-Societies (FEBS), Saint Peter, Guernsey And Alderney, 6 - 11 July 2013, vol.280, pp.421
- LXVIII. **Beneficial effect of melatonin treatment on substantia nigra in an experimental model of Parkinson's disease**  
YILDIRIM F. B., Kaya Y., ÖZSOY Ö., ÖĞÜT E., AYDIN ASLAN M., AĞAR A.  
XII. European Joint Congress of Clinical Anatomy, Lisbon, Portugal, 26 - 29 June 2013, pp.148
- LXIX. **Beneficial effect of melatonin treatment on substantia nigra in an experimental model of Parkinson's disease**  
YILDIRIM F. B., Kaya Y., ÖZSOY Ö., ÖĞÜT E., AYDIN ASLAN M., AĞAR A.  
XII. European Joint Congress of Clinical Anatomy, Lisbon, Portugal, 26 - 29 June 2013, pp.148
- LXX. **Effect of melatonin on substantia nigra cyclooxygenase,caspase-3, nuclear factor kapp-B in experimental Parkinson**  
YILDIRIM F. B., AYDIN ASLAN M., Kaya Y., ÖZSOY Ö., ÖĞÜT E., AĞAR A.  
XII. European Joint Congress of Clinical Anatomy, Lisbon, Portugal, 26 - 29 June 2013, pp.148-149
- LXXI. **Inhibition of neutral sphingomyelinase decreases elevated levels of nitrotyrosine and inducible nitric oxide synthase in ocular hypertensive rats**  
AYDIN ASLAN M., Küçüksayan E., ÜNAL M., Çiftçioğlu A., DERİN N., BAŞARANLAR ÖNCEL G., Mutus B.  
38th Congress of the Federation-of-European-Biochemical-Societies (FEBS), Saint Petersburg, Russia, 6 - 11 June 2013, pp.421
- LXXII. **The role of quinacrine on the effects of ingested sulfite in rat hippocampus**  
DERİN N., BAŞARANLAR ÖNCEL G., KENCEBAY MANAS C., AYDIN ASLAN M.  
5ème Symposium Nutrition, Biologie de l'Oxygène et Médecine, Paris, France, 5 - 07 June 2013, pp.27
- LXXIII. **Diyetle Alınan Sülfidin Hipokampal Oksidan/Antioksidan Kapasiteler Ve Fosfolipaz A2 Enzim Aktivitelerine Etkisi**  
BAŞARANLAR ÖNCEL G., KENCEBAY MANAS C., AYDIN ASLAN M., DERİN N.  
11. Ulusal Sinirbilim Kongresi, İzmir, Turkey, 28 April - 01 May 2013, pp.5
- LXXIV. **Neutral Sphingomyelinase Inhibition Decreases Elevated Levels of Inducible Nitric Oxide Synthase and Nitrotyrosine in Ocular Hypertensive Rats**  
Doğan S., KÜÇÜKSAYAN E., ÜNAL M., Çiftçioğlu A., DERİN N., BAŞARANLAR ÖNCEL G., Mutus B., AYDIN ASLAN M.

19th Annual Meeting of the Society-for-Free-Radical-Biology-and-Medicine (SFRBM), San Diego, Canada, 14 - 18 November 2012, no.53, pp.181

- LXXV. **Increased Small Dense LDL and Decreased Paraoxonase Enzyme Activity Reveals Formation of an Atherogenic Profile in Type 1 Diabetic Guinea Pigs**  
AYDIN ASLAN M., Dogan S., Ozcan F., Kucuksayan E.  
19th Annual Meeting of the Society-for-Free-Radical-Biology-and-Medicine (SFRBM), California, United States Of America, 14 - 18 November 2012, vol.53
- LXXVI. **Neutral Sphingomyelinase Inhibition Decreases Elevated Levels of Inducible Nitric Oxide Synthase and Nitrotyrosine in Ocular Hypertensive Rats**  
Dogan S., Kucuksayan E., ÜNAL M., Ciftcioglu A., DERİN N., Basaranlar G., Mutus B., AYDIN ASLAN M.  
19th Annual Meeting of the Society-for-Free-Radical-Biology-and-Medicine (SFRBM), California, United States Of America, 14 - 18 November 2012, vol.53
- LXXVII. **Assessment of Protein and DNA Radical Formation in Liver Ischemia Reperfusion Injury via Immuno-Spin Trapping**  
AYDIN ASLAN M., Dogan S., ELPEK G. Ö.  
18th Annual Meeting of the Society-for-Free-Radical-Biology-and-Medicine (SFRBM), Georgia, United States Of America, 16 - 20 November 2011, vol.51
- LXXVIII. **Polymorphism in the TNF-alpha Gene Promoter is Associated With Increased Circulating Levels of TNF-alpha, Myeloperoxidase and Nitrotyrosine in Primary Sjogren's Syndrome**  
Dogan S., Cay F., Sezer I., FELEK R., AYDIN ASLAN M.  
18th Annual Meeting of the Society-for-Free-Radical-Biology-and-Medicine (SFRBM), Georgia, United States Of America, 16 - 20 November 2011, vol.51
- LXXIX. **Oral sodyum tungstat tedavisinin diyabetin kalpte oluşturduğu mekanik ve iyonik değişikliklere etkisi**  
ÖZDEMİR S., AYDEMİR M., ÖZTÜRK ERBOĞA N., DOĞAN S., AYDIN ASLAN M.  
23. ULUSAL BİYOFİZİK KONGRESİ, Edirne, Turkey, 13 - 16 September 2011, pp.40-41
- LXXX. **Measurement of intracellular biomolecular oxidation in liver ischemia reperfusion injury via immuno-spin trapping**  
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- LXXXI. **Polymorphism in the TNF-alpha gene promoter at position-031 is associated with increased circulating levels of TNF-alpha, myeloperoxidase and nitrotyrosine in primary Sjogren's syndrome**  
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- LXXXII. **N-Acetyl-L-Cysteine Inhibits Bleomycin Induced Apoptosis In Human Testicular Cancer Cells.**  
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- LXXXIV. **Polymorphism in the TNF-alpha gene promoter at position -1031 is associated with increased circulating levels of TNF-alpha myeloperoxidase and nitrotyrosine in primary Sjögren's Syndrome**  
DOĞAN S., ÇAY H. F., SEZER İ., FELEK R., AYDIN ASLAN M.  
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- LXXXV. **Hydrogen Peroxide Induces Apoptosis in Human Testicular Cancer Cells by Activating the Caspase Cascade**  
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- LXXXVI. **Manganese Porphyrin Reduces Retinal Injury Induced by Ocular Hypertension**  
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- LXXXVII. **Redox Pathways in Neutrophils from Behcet's Disease Patients**  
Melikoğlu M. A., ÇÖRT A., KAÇAR C., YÜCEL S. G., AYDIN ASLAN M.  
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## **Activities in Scientific Journals**

Austin Proteomics , Committee Member, 2015 - Continues

The American Journal of Bio-pharmacology Biochemistry and Life Sciences , Committee Member, 2015 - Continues

Frontiers in Oxidant Physiology, Committee Member, 2014 - Continues

World Journal of Gastroenterology (WJG). , Committee Member, 2013 - Continues

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## **Scientific Consultations**

TUBİTAK, Project Consultancy, Akdeniz University, Faculty Of Medicine, Department of Basic Medical Sciences, Turkey, 2016 - 2016

Avrupa Birliği, Project Consultancy, Akdeniz University, Faculty Of Medicine, Department of Basic Medical Sciences, Turkey, 2015 - 2015

## **Scientific Research / Working Group Memberships**

Management Committee Member [BM1203 TR] to EU-COST (European Cooperation in the field of Scientific and Technical Research), Johannes Gutenberg Universitaet Mainz, Almanya, [http://www.cost.eu/COST\\_Actions](http://www.cost.eu/COST_Actions), 2013 - Continues

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Publication: 227

Citation (WoS): 3736

Citation (Scopus): 3954

H-Index (WoS): 30

H-Index (Scopus): 31