

## 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 RESPİRATUAR 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

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

## Advising 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  
AYDIN ASLAN M., Aslan M., Karaciğer iskemi reperfüzyonunda araziidonik 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, Biyokimya Anabilim Dalı Yüksek Lisans Tez Savunma Jürisi, Akdeniz Üniversitesi Tıp Fakültesi , January, 2014  
Academic Staff Examination, Biyokimya Anabilim Dalı Doktora Giriş Sınavı Jürisi, Akdeniz Üniversitesi Tıp Fakültesi , January, 2014  
Post Graduate, Tez: İzoproterenol ile oluşturulan kardiyak hasara kükürt , 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, Biyofizik Anabilim Dalı Yüksek Lisans Tez Savunma Jürisi., Akdeniz Üniversitesi Tıp Fakültesi , December, 2011  
Post Graduate, Yüksek Lisans Tez Savunma Jürisi., Üniversitesi Tıp Fakültesi Anatomi Anabilim Dalı , December, 2011  
Appointment to Academic Staff-Assistant Professorship, Profesör kadrosuna atama jürisi. , Ege Üniversitesi Rektörlüğü , November, 2011  
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 , Akdeniz Üniversitesi Tıp Fakültesi, 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. **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)
- II. **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)
- III. **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)
- IV. **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)
- 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. **Editorial: Bioactive sphingolipids in health and disease**  
Aslan M., ER ÖZTAŞ Y., Silva L. C.  
Frontiers in Molecular Biosciences, vol.9, 2022 (SCI-Expanded)
- VII. **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)
- VIII. **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)
- IX. **The influence of syringic acid treatment on total dopamine levels of the hippocampus and on cognitive**

## **behavioral skills**

Ogut E, Akcay G, YILDIRIM F. B., DERİN N., AYDIN ASLAN M.

INTERNATIONAL JOURNAL OF NEUROSCIENCE, vol.132, no.9, pp.901-909, 2022 (SCI-Expanded)

- X. **Diclofenac down-regulates COX-2 induced expression of CD44 and ICAM-1 in human HT29 colorectal cancer cells**  
Yilmaz C, KÖKSOY S., Ceker T., Aslan M.  
NAUNYN-SCHMIEDEBERGS ARCHIVES OF PHARMACOLOGY, vol.394, no.11, pp.2259-2272, 2021 (SCI-Expanded)
- XI. **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)
- XII. **The investigation of the role of sirtuin-1 on embryo implantation in oxidative stress-induced mice**  
Aksu K., Gokal 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)
- XIII. **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)
- XIV. **Role of ceramide and ER stress in the antiproliferative effects of thymoquinone in MCF-7 and HepG2 cancer cells**  
Aslan M., Afsar E., Kirimlioglu E., Ceker T., Yilmaz C.  
FEBS OPEN BIO, vol.11, pp.84, 2021 (SCI-Expanded)
- XV. **Alleviation of prilocaine-induced epileptiform activity and cardiotoxicity by thymoquinone**  
Akgul B., AYCAN İ. Ö., HİDISOĞLU 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)
- XVI. **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., Yilmaz C.  
NUTRITION AND CANCER-AN INTERNATIONAL JOURNAL, vol.73, no.3, pp.460-472, 2021 (SCI-Expanded)
- XVII. **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)
- XVIII. **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)
- XIX. **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., KİSAOĞLU A., DEMİR YILMAZ İ.  
TRANSPLANTATION PROCEEDINGS, vol.53, no.1, pp.16-24, 2021 (SCI-Expanded)
- XX. **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)
- XXI. **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)
- XXII. **The Effects of Syringic Acid on Learning & Memory After Chronic Deltamethrin Exposure in Wistar Rats**  
Ogut E., ŞEKERCİ R., Akcay G., YILDIRIM F. B., DERİN N., AYDIN ASLAN M., Sati L.  
JOURNAL OF ANATOMY, vol.236, pp.201, 2020 (SCI-Expanded)
- XXIII. **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)
- XXIV. **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)
- XXV. **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)
- XXVI. **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)
- XXVII. **Oxidative DNA Damage-Mediated Genomic Heterogeneity Is Regulated by NKX3.1 in Prostate Cancer**  
DEBELEÇ BÜTÜNER B., Bostancı 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)
- XXVIII. **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)
- XXIX. **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)
- XXX. **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)
- XXXI. **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)
- XXXII. **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)
- XXXIII. **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)
- XXXIV. **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)
- XXXV. **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)
- XXXVI. **Determination of nitrate 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)
- XXXVII. **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)
- XXXVIII. **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)
- XXXIX. **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)
- XL. **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)
- XLII. **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)
- XLII. **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)
- XLIII. **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)
- XLIV. **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)
- XLV. **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)
- XLVI. **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)
- XLVII. **Analysis of Polyunsaturated Fatty Acids and Omega-6 Inflammatory Pathway in Hepatic Ischemia Reperfusion Injury**  
Kirac E., Ozcan F., TUZCU BALABAN H., ELPEK G. Ö., AYDIN ASLAN M.  
FREE RADICAL BIOLOGY AND MEDICINE, vol.76, 2014 (SCI-Expanded)
- XLVIII. **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)
- XLIX. **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)
- L. **Does circadian rhythm disruption induced by light-at-night has beneficial effect of melatonin on sciatic nerve injury?**  
Kaya Y., SARIKIOĞLU L., YILDIRIM F. B., Aslan M., DEMİR N.  
JOURNAL OF CHEMICAL NEUROANATOMY, vol.53, pp.18-24, 2013 (SCI-Expanded)
- LI. **LC-MS/MS analysis of plasma polyunsaturated fatty acids in type 2 diabetic patients after insulin analog initiation therapy**  
Aslan M., Ozcan F., Aslan I., Yucel G.  
LIPIDS IN HEALTH AND DISEASE, vol.12, 2013 (SCI-Expanded)
- LII. **Diagnosis of Ovarian Ischemia-Reperfusion Injury via Optical Fiber Spectroscopy in a Rat Model**  
Sircan-Kucuksayan A., Kucuksayan E., Gemici B., Ozekinci M., ERDOĞAN G., AYDIN ASLAN M., CANPOLAT M.  
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- LIII. **Sphingomyelinase Inhibition Decreases ER Stress-Mediated Apoptosis and Caspase Activation in Rat Ocular Hypertension**  
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## Supported Projects

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YARGIÇOĞLU AKKİRAZ P., AĞAR A., AKPINAR D., ÖZEN Ş., AYDIN ASLAN M., DEMİR N., DERİN N., KANTAR GÖK D., Project Supported by Higher Education Institutions, EFFECTS OF EXTREMELY LOW-FREQUENCY ELECTRIC FIELDS AT DIFFERENT INTENSITIES AND EXPOSURE DURATIONS ON MISMATCH NEGATIVITY, 2014 - 2016

## 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

Frontiers in Cellular Biochemistry, Committee Member, 2013 - Continues

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

World Journal of Hematology (WJH). , Committee Member, 2011 - Continues

## 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, Germany, [http://www.cost.eu/COST\\_Actions](http://www.cost.eu/COST_Actions), 2013 - Continues

## Metrics

Publication: 217

Citation (WoS): 3736

Citation (Scopus): 3954

H-Index (WoS): 30

H-Index (Scopus): 31