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Personal Information

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Education

Doctorate, Akdeniz University, Institute of Health Sciences , Tıbbi Biyokimya, Turkey 2009 - Continues

Postgraduate, Akdeniz University, Institute of Health Sciences , Tıbbi Biyokimya, Turkey 2006 - 2009

Undergraduate, Ankara University, Dijital Fabrika Teknolojileri Programı, Turkey 2000 - 2004

Dissertations

Postgraduate, Diyabete Bağlı Olarak Geliştirilmiş Nefropatili Rat Modelinde Myricetin'in Ve Mersin Bitkisinin Ekstraktının Böbrek Dokusu Üzerine Etkisi, Akdeniz University, Sağlık Bilimleri Enstitüsü, Tıbbi Biyokimya, 2009

Research Areas

Medicine, Health Sciences, Fundamental Medical Sciences, Biochemistry

Academic Positions

Research Assistant, Akdeniz University, Faculty of Medicine, Temel Bilimler, 2007 - Continues

Journal articles indexed in SCI, SSCI, and AHCI

- I. **Progesterone may be a regulator and B12 could be an indicator of the proximal D4Z4 repeat methylation status on 4q35ter**
HANGÜL C., Ozcan F., Darbas S., Uysal H., KOÇ A. F., Berker Karauzum S.
Journal of Neurochemistry, vol.168, no.9, pp.3209-3220, 2024 (SCI-Expanded)
- II. **Plasma Ceramides and Sphingomyelins of Pediatric Patients Increase in Primary Ciliary Dyskinesia but Decrease in Cystic Fibrosis**
Bal Topcu D., Tugcu G., Ozcan F., Aslan M., YALÇINKAYA A., Polat S. E., Hizal M., Yalcin E. E., DOĞRU ERSÖZ D., Ozcelik U., et al.
LIPIDS, vol.55, no.3, pp.213-223, 2020 (SCI-Expanded)
- III. **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)
- IV. **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)

- V. **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)
- VI. **Apelin-APJ system is responsible for stress-induced increase in atrial natriuretic peptide expression in rat heart**
Izgut-Uysal V. N., Acar N., Birsen I., Ozcan F., Ozbey O., Soylu H., Avci S., Tepekoy F., Akkoyunlu G., Yucel G., et al.
TISSUE & CELL, vol.51, pp.91-96, 2018 (SCI-Expanded)
- VII. **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)
- VIII. **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)
- IX. **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)
- X. **Inhibition of neutral sphingomyelinase decreases elevated levels of nitrative and oxidative stress markers in liver ischemia-reperfusion injury.**
Unal B., Ozcan F., Tuzcu H., Kırac E., Elpek G. O., Aslan M.
Redox report : communications in free radical research, vol.22, pp.147-159, 2017 (SCI-Expanded)
- XI. **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)
- XII. **The relationship between vitamin D status and graft function in renal transplant recipients**
KARATÖY ERDEM B., YILMAZ V. T., SÜLEYMANLAR G., ÖZCAN F., BAYKAL A., AKBAŞ S. H.
FEBS JOURNAL, no.1, pp.128, 2017 (SCI-Expanded)
- XIII. **The relationship between vitamin D status and graft function in renal transplant recipients**
KARATÖY ERDEM B., YILMAZ V. T., SÜLEYMANLAR G., ÖZCAN F., BAYKAL A., AKBAŞ S. H.
FEBS JOURNAL, no.1, pp.128, 2017 (SCI-Expanded)
- XIV. **Decreased eicosapentaenoic acid levels in acne vulgaris reveals the presence of a proinflammatory state.**
Aslan İ., Özcan F., Karaarslan T., Kırac E., Aslan M.
Prostaglandins & other lipid mediators, vol.128, pp.1-7, 2017 (SCI-Expanded)
- XV. **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)
- XVI. **The Effect of Apelin on the Expression of Atrial Natriuretic Peptide in Cardiac Tissue**
Uysal V. N., Acar N., Birsen I., Ozcan F., Özbey Ünlü Ö., Soylu H., Avci S., Tepekoy F., Akkoyunlu G., Yucel G., et al.
ACTA PHYSIOLOGICA, vol.218, pp.26, 2016 (SCI-Expanded)
- XVII. **Mass spectrometric quantification of urinary human liver fatty acid binding protein in renal transplant recipients.**
Ozcan F., Akbas H., Kırac E., Suleymanlar G., Aslan M., Yucel G.
Rapid communications in mass spectrometry : RCM, vol.30, pp.603-10, 2016 (SCI-Expanded)
- XVIII. **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)
- XIX. **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)

- XX. **Analysis of polyunsaturated fatty acids and the omega-6 inflammatory pathway in hepatic ischemia/re-perfusion injury**
Kirac E., Ozcan F., Tuzcu H., ELPEK G. Ö., Aslan M.
MOLECULAR MEDICINE REPORTS, vol.12, no.3, pp.4149-4156, 2015 (SCI-Expanded)
- XXI. **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)
- XXII. **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)
- XXIII. **Alternative Vegetable Oil Sources for White Seabream (*Diplodus sargus*) Juveniles: Effects on Growth and Body Chemical Composition**
TAŞBOZAN O., Emre Y., GÖKÇE M. A., Ozcan F., ERBAŞ C., Kurtoglu A.
TURKISH JOURNAL OF FISHERIES AND AQUATIC SCIENCES, vol.15, pp.447-456, 2015 (SCI-Expanded)
- XXIV. **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)
- XXV. **A pilot study investigating early postoperative changes of plasma polyunsaturated fatty acids after laparoscopic sleeve gastrectomy**
Aslan M., Aslan I., Ozcan F., Eryilmaz R., Ensari C. O., Bilecik T.
LIPIDS IN HEALTH AND DISEASE, vol.13, 2014 (SCI-Expanded)
- XXVI. **Inhibition of neutral sphingomyelinase decreases arachidonic acid mediated inflammation in liver ischemia-reperfusion injury**
Aslan M., Ozcan F., Tuzcu H., Kirac E., ELPEK G. Ö.
INTERNATIONAL JOURNAL OF CLINICAL AND EXPERIMENTAL PATHOLOGY, vol.7, no.11, pp.7814-7823, 2014 (SCI-Expanded)
- XXVII. **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)
- XXVIII. **Increased Small Dense LDL and Decreased Paraoxonase Enzyme Activity Reveals Formation of an Atherogenic Risk in Streptozotocin-Induced Diabetic Guinea Pigs**
Aslan M., Ozcan F., Kucuksayan E.
JOURNAL OF DIABETES RESEARCH, vol.2013, 2013 (SCI-Expanded)
- XXIX. **Beneficial effect of myricetin on renal functions in streptozotocin-induced diabetes**
Ozcan F., Ozmen A., AKKAYA B., Aliciguzel Y., Aslan M.
CLINICAL AND EXPERIMENTAL MEDICINE, vol.12, no.4, pp.265-272, 2012 (SCI-Expanded)
- XXX. **Protective Effects of Erdosteine on Amikacin Induced Visual Evoked Potentials and Lipid Peroxidation Alterations**
DERİN N., Akpınar D., Ozcan F., Yargicoglu P., Aslan M.
JOURNAL OF OCULAR PHARMACOLOGY AND THERAPEUTICS, vol.27, no.2, pp.131-135, 2011 (SCI-Expanded)

Papers Presented at Peer-Reviewed Scientific Conferences

- I. **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, (Summary Text)

- II. **Adora2b receptor activation mediates flap protection from ischemia/reperfusion injury**
ÜLKER KARADAMAR P., ÖZKAN Ö., AMOROSO M., AYDIN ASLAN M., ÖZCAN F., BAŞSÖRGÜN C. İ., ÖZKAN Ö.
Joint Meeting of Three Society: The European Society for Clinical Hemorheology and Microcirculation The International Society of Clinical Hemorheology The International Society of Biorheology, 2 - 06 July 2018, (Full Text)
- III. **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 (SFRRRI), Lisbon, Portugal, 01 January 2018, vol.120, (Summary Text)
- IV. **Decreased circulating sphingomyelins and ceramides in sickle cell disease patients**
AYDIN ASLAN M., Kirac E., Kaya S., Ozcan F., SALİM O., KÜPEŞİZ O. A.
19th Biennial Meeting of the Society-for-Free-Radical-Research-International (SFRRRI), Lisbon, Portugal, 01 January 2018, vol.120
- V. **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, (Summary Text)
- VI. **BÖBREK NAKLİ ALICILARINDA D VİTAMİNİ İLE GREFT FONKSİYONLARI ARASINDAKİ İLİŞKİ**
KARATÖY ERDEM B., YILMAZ V. T., SÜLEYMANLAR G., ÖZCAN F., BAYKAL ATAMAN A., AKBAŞ S. H.
34.Ulusal Nefroloji, Hipertansiyon, Diyaliz ve Transplantasyon Kongresi, Antalya, Turkey, 18 - 22 October 2017, pp.122, (Full Text)
- VII. **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, (Summary Text)
- VIII. **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, (Summary Text)
- IX. **The relationship between vitamin D status and graft function in renal transplant recipients**
KARATÖY ERDEM B., YILMAZ V. T., SÜLEYMANLAR G., ÖZCAN F., BAYKAL A., AKBAŞ S. H.
41st FEBS Congress on Molecular and Systems Biology for a Better Life, İzmir, Turkey, 3 - 08 October 2016, pp.244
- X. **The relationship between vitamin D status and graft function in renal transplant recipients**
KARATÖY ERDEM B., YILMAZ V. T., SÜLEYMANLAR G., ÖZCAN F., BAYKAL A., AKBAŞ S. H.
41st FEBS Congress on Molecular and Systems Biology for a Better Life, İzmir, Turkey, 3 - 08 October 2016, pp.244
- XI. **The relationship between vitamin D status and graft function in renal transplant recipients**
KARATÖY ERDEM B., YILMAZ V. T., SÜLEYMANLAR G., ÖZCAN F., BAYKAL A., AKBAŞ S. H.
41st FEBS Congress on Molecular and Systems Biology for a Better Life, İzmir, Turkey, 3 - 08 October 2016, pp.244, (Full Text)
- XII. **The Effect of Apelin on the Expression of Atrial Natriuretic Peptide in Cardiac Tissue**
UYSAL V. N., ACAR N., BİRSEN İ., ÖZCAN F., ÖZBEY ÜNLÜ Ö., SOYLU H., AVCI S., TEPEKÖY ÖZÇELİK F., AKKOYUNLU G., YÜCEL S. G., et al.
42. Ulusal Fizyoloji Kongresi, Düzce, Turkey, 5 - 08 September 2016, pp.26
- XIII. **The Effect of Apelin on the Expression of Atrial Natriuretic Peptide in Cardiac Tissue**
UYSAL V. N., ACAR N., BİRSEN İ., ÖZCAN F., ÖZBEY ÜNLÜ Ö., SOYLU H., AVCI S., ÖZCELİK F. T., AKKOYUNLU G., YÜCEL

S. G., et al.

42. Ulusal Fizyoloji Kongresi, Düzce, Turkey, 5 - 08 September 2016, pp.26, (Full Text)

XIV. The Effect of Apelin on the Expression of Atrial Natriuretic Peptide in Cardiac Tissue

UYSAL V. N., ACAR N., BİRSEN İ., ÖZCAN F., ÖZBEY ÜNLÜ Ö., SOYLU H., AVCI S., TEPEKÖY ÖZÇELİK F., AKKOYUNLU G., YÜCEL S. G., et al.

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XV. The Effect of Apelin on the Expression of Atrial Natriuretic Peptide in Cardiac Tissue

UYSAL V. N., ACAR N., BİRSEN İ., ÖZCAN F., ÖZBEY ÜNLÜ Ö., SOYLU H., AVCI S., TEPEKÖY ÖZÇELİK F., AKKOYUNLU G., YÜCEL S. G., et al.

42. Ulusal Fizyoloji Kongresi, Düzce, Turkey, 5 - 08 September 2016, pp.26

XVI. Increased Small Dense LDL and Decreased Paraonase 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

XVII. Amikasinin indüklediği lipid peroksidasyon ve görsel uyarılma potansiyel değişikliklerine erdosteinin koruyucu etkisi

Yargicoglu-Akkiraz P., DERİN N., Akpınar D., Özcan F., Aslan M.

22. Ulusal Biyofizik Kongresi, Aydın, Turkey, 28 September - 01 October 2010, pp.42-43

XVIII. Beneficial Effect of Myriectin on Renal Functions in Streptozotocin Induced Diabetes

Ozcan F., Ozmen A., AKKAYA B., Aliciguzel Y., AYDIN ASLAN M.

16th Annual Meeting of the Society-for-Free-Radical-Biology-and-Medicine, San-Francisco, Costa Rica, 18 - 22 November 2009, vol.47

Metrics

Publication: 48

Citation (WoS): 269

Citation (Scopus): 347

H-Index (WoS): 9

H-Index (Scopus): 10

Congress and Symposium Activities

Klink Biyokimya Uzmanları Derneği Kongresi, Attendee, İzmir, Turkey, 2014