

Assoc. Prof. Volkan SÖZER

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Istanbul University, Health Sciences Institute, Biyokimya, Turkey 1988 - 1994

Expertise In Medicine, Yildiz Technical University, Cerrahpaşa Tıp Fakültesi, Biyokimya, Turkey 1985 - 1988

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Atopik astmalı çocuklarda hücrel immünitenin incelenmesi ve interlökin 4 ve interlökin 4-reseptör düzeyleri ile ilgisinin araştırılması, Istanbul University, Health Sciences Institute, 1993

Expertise In Medicine, Karboksihemoglobin tayin yöntemleri, Istanbul University, Health Sciences Institute, Cerrahpaşa Tıp Fakültesi Bölümü, 1988

Research Areas

Medicine, Health Sciences, Fundamental Medical Sciences, Biochemistry, Internal Medicine Sciences

Academic Titles / Tasks

Associate Professor, Yildiz Technical University, Fen Edebiyat, Kimya, 2017 - Continues

Courses

Biochemistry 2, Undergraduate, 2020 - 2021

Hormones, Postgraduate, 2020 - 2021

Amino Acid Metabolism, Postgraduate, 2021 - 2022

Biochemistry 3, Undergraduate, 2021 - 2022

Biochemistry Lab 1, Undergraduate, 2021 - 2022

Advising Theses

- Sözer V., Clinical value of circulating microribonucleic acids miR-1 and miR-21 in evaluating the diagnosis of acute heart failure in asymptomatic type 2 diabetic patients, Doctorate, M.ABDALMUTALEB(Student), 2019
- SÖZER V., Deneysel Tıkanma sarılığı modelinde paraoksanaz düzeyleri ve oksidatif hasar değerlendirilmesi, Postgraduate, N.Küpücü(Student), 2016
- SÖZER V., Sitrik Asid üretiminde verim üzerine bazı poliollerin etkisi, Postgraduate, A.Kortay(Student), 2016
- SÖZER V., Deneysel diabetik ratlarda beyin iskemi perfüzyon hasarında nitrik oksit miktar tayini, Postgraduate, D.Kepenek(Student), 2016
- SÖZER V., Siçan karaciğer iskemik perfüzyonu hasarında hiperbarik oksijen uygulanmasının ve iskemik önkoşullamanın etkisi, Postgraduate, M.Çiçek(Student), 2016
- SÖZER V., Aterosklerozda biliribinin okside LDL oluşumu üzerindeki koruyucu etkisinin tıkalı damar sayısı açısından incelenmesi, Postgraduate, Ö.Selvi(Student), 2016
- Sözer V., Obstrüktif uyku apne sendromunda aralıklı hipoksinin bir sonucu olarak serum solubl TNF-alfa reseptörü, PPAR-alfa ve nükleer faktör-kappa-beta düzeylerinin değerlendirilmesi, Postgraduate, E.İŞIKSEL(Student), 2016
- SÖZER V., Sialidaz enziminin glikoz varlığında aktivite değişiminin incelenmesi, Postgraduate, S.Önder(Student), 1997

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Original contribution: sleeve gastrectomy reduces soluble lectin-like oxidized low-density lipoprotein receptor-1 (sLOX-1) levels in patients with morbid obesity**
TAŞKIN H. E., KOCAEL A., Kocael P., Zengin K., Al M., SÖZER V., Buchwald J. N., McGlennon T. W., Uzun H. SURGICAL ENDOSCOPY AND OTHER INTERVENTIONAL TECHNIQUES, vol.36, no.4, pp.2643-2652, 2022 (SCI-Expanded)
- II. **Association between Bone Mineral Density and Bone Turnover Markers in Breast Cancer Patients and Bone-Only Metastasis**
PAPİLA KUNDAKTEPE B., SÖZER V., Kundaktepe F. O., DURMUŞ S., PAPİLA Ç., UZUN H., ŞİMŞEK G., GELİŞGEN R. MEDICINA-LITHUANIA, vol.57, no.9, 2021 (SCI-Expanded)
- III. **The evaluation of oxidative stress parameters in breast and colon cancer**
PAPİLA KUNDAKTEPE B., SÖZER V., DURMUŞ S., Kocael P. C., Kundaktepe F. O., PAPİLA Ç., GELİŞGEN R., UZUN H. MEDICINE, vol.100, no.11, 2021 (SCI-Expanded)
- IV. **Systemic Amelioration via Curcumin in Rats following Splenectomy: Lipid Profile, Endothelial and Oxidative Damage**
Altinel Y., Kose E., Karacaglar A., Demirgan S., SÖZER V., ÖZKAYA G., Gulcicek O. B., ŞİMŞEK G., UZUN H. JOURNAL OF INVESTIGATIVE SURGERY, vol.34, no.6, pp.627-636, 2021 (SCI-Expanded)
- V. **Polycystic ovary syndrome and endothelial dysfunction: A potential role for soluble lectin-like oxidized low density lipoprotein receptor-1.**
Oncul M., Albayrak M., Sozer V., Karakus B., Gelisgen R., Karatas S., Simsek G., Uzun H. Reproductive biology, vol.20, pp.396-401, 2020 (SCI-Expanded)
- VI. **Evaluation of the relationship between serum ghrelin levels and cancer cachexia in patients with locally advanced nonsmall-cell lung cancer treated with chemoradiotherapy**
Uysal P., Afsar C. U., Sözer V., Inanc B., Agaoglu F., Güral Z., Fazlioglu N. G., Çuhadaroğlu Ç., Uzun H. JOURNAL OF CANCER RESEARCH AND THERAPEUTICS, vol.16, no.4, pp.855-859, 2020 (SCI-Expanded)
- VII. **Associations Between miRNAs and Two Different Cancers: Breast and Colon.**
Kundaktepe B., Sozer V., Papila C., Durmus S., Kocael P., Simsek G., Gelisgen R., Zengin K., Ulualp K., Uzun H. Cancer management and research, vol.12, pp.871-879, 2020 (SCI-Expanded)
- VIII. **Relationships between visceral/subcutaneous adipose tissue FABP4 expression and coronary atherosclerosis in patients with metabolic syndrome.**
Gormez S., Erdim R., Akan G., Caynak B., Duran C., Gunay D., Sozer V., Atalar F. Cardiovascular pathology : the official journal of the Society for Cardiovascular Pathology, vol.46, pp.107192, 2020 (SCI-Expanded)

- IX. Clinical Value of Circulating Microribonucleic Acids miR-1 and miR-21 in Evaluating the Diagnosis of Acute Heart Failure in Asymptomatic Type 2 Diabetic Patients.**
Al-Hayali M., Sozer V., Durmus S., Erdenen F., Altunoglu E., Gelisgen R., Atukeren P., Atak P., Uzun H.
Biomolecules, vol.9, 2019 (SCI-Expanded)
- X. The Relationship between Plasma Taurine Levels and Diabetic Complications in Patients with Type 2 Diabetes Mellitus.**
Sak D., Erdenen F., Müderrisoglu C., Altunoglu E., Sozer V., Gungel H., Guler P., Sak T., Uzun H.
Biomolecules, vol.9, 2019 (SCI-Expanded)
- XI. Evaluation of plasma antimicrobial peptide LL-37 and nuclear factor-kappaB levels in stable chronic obstructive pulmonary disease.**
Uysal P., Simsek G., Durmus S., Sozer V., Aksan H., Yurt S., Cuhadaroglu C., Kosar F., Gelisgen R., Uzun H.
International journal of chronic obstructive pulmonary disease, vol.14, pp.321-330, 2019 (SCI-Expanded)
- XII. YKL-40, Soluble IL-2 Receptor, Angiotensin Converting Enzyme and C-Reactive Protein: Comparison of Markers of Sarcoidosis Activity**
Uysal P., Durmus S., Sözer V., Gelisgen R., Seyhan E. C., Erdenen F., Simsek G., Uzun H.
BIOMOLECULES, vol.8, no.3, 2018 (SCI-Expanded)
- XIII. Changes in inflammatory mediators as a result of intermittent hypoxia in obstructive sleep apnea syndrome.**
Sozer V., Kutnu M., Atahan E., Caliskaner O., Hysi E., Cabuk C., Musellim B., Simsek G., Uzun H. İ.
The clinical respiratory journal, vol.12, pp.1615-1622, 2018 (SCI-Expanded)
- XIV. The impact of TFPI on coronary atherosclerotic burden.**
Kahraman S., Erdim R., Helvacioğlu F., Dogan A., Sozer V., Gunay D., Aytekin S., Aytekin V.
Bratislavske lekarske listy, vol.119, pp.385-390, 2018 (SCI-Expanded)
- XV. The relationship between circulating irisin, retinol binding protein-4, adiponectin and inflammatory mediators in patients with metabolic syndrome**
Tabak O., Simsek G., Erdenen F., Sözer V., Hasoğlu T., Gelisgen R., Altunoglu E., Muderrisoglu C., Şenyiğit A., Uzun H.
ARCHIVES OF ENDOCRINOLOGY METABOLISM, vol.61, no.6, pp.515-523, 2017 (SCI-Expanded)
- XVI. The Effect of Splenectomy on Lung Inflammation in Rats: The Protective Role of Curcumin**
Simsek G., Altinel Y., Sozer V., Uysal P., Altan M., Sonmez O. F., Oruc A., Caglar A., Gelisgen R., Şimşek C., et al.
ACTA PHYSIOLOGICA, vol.221, pp.236-238, 2017 (SCI-Expanded)
- XVII. Oxidative stress parameters and inflammatory and immune mediators as markers of the severity of sepsis**
Bavunoglu I., Genc H., Konukoglu D., Cicekci H., Sözer V., Gelisgen R., Uzun H.
JOURNAL OF INFECTION IN DEVELOPING COUNTRIES, vol.10, no.10, pp.1045-1052, 2016 (SCI-Expanded)
- XVIII. LOX-1 gene variants and maternal levels of plasma oxidized LDL and malondialdehyde in patients with gestational diabetes mellitus**
Aydemir B., Baykara O., Cinemre F. B. S., Cinemre H., Tuten A., Kiziler A. R., Akdemir N., Oncul M., Kaya B., Sözer V., et al.
ARCHIVES OF GYNECOLOGY AND OBSTETRICS, vol.293, no.3, pp.517-527, 2016 (SCI-Expanded)
- XIX. Ameliorative effect of statin therapy on oxidative damage in heart tissue of hypercholesterolemic rabbits**
Sözer V.
FUNDAMENTAL & CLINICAL PHARMACOLOGY, vol.29, no.6, pp.558-566, 2015 (SCI-Expanded)
- XX. The association of lectin-like oxidized LDL receptor 1 (LOX-1) K167N and 3'UTR188CT polymorphisms with maternal plasma soluble LOX-1 levels and preeclampsia risk in Turkish population**
Tuten A., Aydemir B., Oncul M., Kiziler A. R., Acikgoz A. S., Korkmaz G. G., Sözer V., Uzun H.
ARCHIVES OF GYNECOLOGY AND OBSTETRICS, vol.291, no.3, pp.563-571, 2015 (SCI-Expanded)
- XXI. Comparison of maternal and umbilical cord blood soluble lectin-like oxidized low-density lipoprotein receptor 1 levels in early-and late-onset preeclampsia**
Tuten A., Erman H., Korkmaz G. G., Oncul M., Gelisgen R., Sözer V., Acikgoz S., Simsek G., Uzun H.

- ARCHIVES OF GYNECOLOGY AND OBSTETRICS, vol.290, no.5, pp.1007-1013, 2014 (SCI-Expanded)
- XXII. **Oxidative and nitrosative stress in stable coronary artery disease patients undergoing percutaneous coronary intervention (PCI): paraoxonase-1, arylesterase and plasma advanced protein oxidation products as novel markers of PCI related oxidative stress**
Iktimur B., Cakmak H. A., SÖZER V., Korkmaz G. G., Ongen Z., Karadag B., Gelisgen R., Simsek G., Uzun H.
EXPERIMENTAL & CLINICAL CARDIOLOGY, vol.20, no.9, pp.5596-5617, 2014 (SCI-Expanded)
- XXIII. **Paraoxonase, oxidized low density lipoprotein, monocyte chemoattractant protein-1 and adhesion molecules are associated with macrovascular complications in patients with type 2 diabetes mellitus**
Sözer V., Himmetoglu S., Korkmaz G. G., Kaya Ş., Aydın S., Yumuk V., Hatemi H., Uzun H.
MINERVA MEDICA, vol.105, no.3, pp.237-244, 2014 (SCI-Expanded)
- XXIV. **The effects of atorvastatin on oxidative stress in L-NAME-treated rats**
SÖZER V., Uzun H., Gelisgen R., KAYA M., Kalayci R., TABAK O., ARICAN N., Konukoglu D.
SCANDINAVIAN JOURNAL OF CLINICAL & LABORATORY INVESTIGATION, vol.73, no.7, pp.591-597, 2013 (SCI-Expanded)
- XXV. **The association of oxidative stress markers with conventional risk factors in the metabolic syndrome**
Korkmaz G. G., Altinoglu E., Civelek S., Sözer V., Erdenen F., Tabak O., Uzun H.
METABOLISM-CLINICAL AND EXPERIMENTAL, vol.62, no.6, pp.828-835, 2013 (SCI-Expanded)
- XXVI. **Effects of peritoneal-and hemodialysis on levels of plasma protein and lipid oxidation markers in diabetic patients**
Sözer V., Guntas G. K., Konukoglu D., Dervişoğlu E., Gelisgen R., Tabak O., Kalender B., Uzun H. İ.
MINERVA MEDICA, vol.104, no.1, pp.75-84, 2013 (SCI-Expanded)
- XXVII. **Iloprost reduces colitis induced oxidative stress: An experimental study in rats**
Aytac E., Teksoz S., Saygili S., Tortum O. B., Yavuz N., Sözer V., Goksel S., Uzun H., Seymen H. O., Goksoy E.
TURKISH JOURNAL OF GASTROENTEROLOGY, vol.24, no.3, pp.224-229, 2013 (SCI-Expanded)
- XXVIII. **Adipose Tissue Gene Expression of Adiponectin, Tumor Necrosis Factor-alpha and Leptin in Metabolic Syndrome Patients with Coronary Artery Disease**
Gormez S., Demirkan A., Atalar F., Caynak B., Erdim R., Sözer V., Gunay D., Akpinar B., Ozbek U., Buyukdevrim A. S.
INTERNAL MEDICINE, vol.50, no.8, pp.805-810, 2011 (SCI-Expanded)
- XXIX. **Effects of atorvastatin therapy on protein oxidation and oxidative DNA damage in hypercholesterolemic rabbits**
Aydin S., Uzun H., Sözer V., Altug T.
PHARMACOLOGICAL RESEARCH, vol.59, no.4, pp.242-247, 2009 (SCI-Expanded)
- XXX. **The relationship between lipid peroxidation and LDL desialylation in experimental atherosclerosis**
Ozturk Z., Sonmez H., Gorgun F. M., Ekmekci H., Bilgen D., Ozen N., Sozer V., Altug T., Kokoglu E.
TOXICOLOGY MECHANISMS AND METHODS, vol.17, no.5, pp.265-273, 2007 (SCI-Expanded)
- XXXI. **Bone metabolism in ovariectomized rats with induced hyperthyroidism: The effect of estrogen replacement**
Sozer V., Uzun H., Guner I., Aydın S., Yucel R., Karter Y., Simsek C., Kaya S., Yigit G., Simsek G.
CHINESE JOURNAL OF PHYSIOLOGY, vol.49, no.6, pp.335-341, 2006 (SCI-Expanded)
- XXXII. **A PRELIMINARY STUDY ON IL-4 LEVELS IN EXTRINSIC ATOPIC ASTHMATIC CHILDREN**
Sözer V., Cokugras H., Soylemez Y., Yilmaz G.
Turkish Journal Of Pediatrics, vol.36, pp.105-110, 1994 (SCI-Expanded)

Articles Published in Other Journals

- I. **The Significance of Insulin Resistance in Nondiabetic Breast Cancer Patients**
PAPILA KUNDAKTEPE B., DURMUŞ S., Cengiz M., Kundaktepe F. O., SÖZER V., PAPILA Ç., GELİŞGEN R., UZUN H.
JOURNAL OF ENDOCRINOLOGY AND METABOLISM, vol.11, no.2, pp.42-48, 2021 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **ANTI-INFLAMMATORY AND ANTI-OXIDANT EFFECTS OF CURCUMIN ON TNBS-INDUCED COLITIS OF RATS.**
Altinel Y., Sozer V., Gulcicek O., Yalcin S., Ercetin C., Celik A., Ozkaya G., Uzun H.
Annual Meeting of the American-Society-of-Colon-and-Rectal-Surgeons, Los-Angeles, Chile, 30 April - 04 May 2016, vol.59
- II. **BARIATRIC SURGERY IMPROVES THE SOLUBLE LECTIN-LIKE OXIDIZED LDL RECEPTOR-1 AS A POSSIBLE MEDIATOR OF ENDOTHELIAL DYSFUNCTION**
Zengin U., Taskin H. E., Kocael A., Kocael P., Kutnu M., SÖZER V., Zengin K., Gelisgen R., Taskin M., Uzun H.
20th World Congress of the International-Federation-for-the-Surgery-of-Obesity-and-Metabolic-Disorders (IFSO), Vienna, Austria, 26 - 29 August 2015, vol.25
- III. **EFFECTS OF LAPAROSCOPIC GASTRIC BAND APPLICATIONS ON ISCHEMIA MODIFIED ALBUMIN AS AN INDICATOR OF OXIDATIVE STRESS IN MORBIDLY OBESE PATIENTS**
Taskin H. E., Zengin U., Kocael P., Kocael A., Kutnu M., Zengin K., SÖZER V., Taskin M., Uzun H.
20th World Congress of the International-Federation-for-the-Surgery-of-Obesity-and-Metabolic-Disorders (IFSO), Vienna, Austria, 26 - 29 August 2015, vol.25
- IV. **THE EFFECTS LAPAROSCOPIC SLEEVE GASTRECTOMY ON IL-33, ST-2 AND PROCALCITONIN AS INFLAMMATORY MEDIATORS**
Taskin H. E., Kocael A., Zengin U., Kocael P., Kutnu M., Zengin K., SÖZER V., Taskin M., Uzun H.
20th World Congress of the International-Federation-for-the-Surgery-of-Obesity-and-Metabolic-Disorders (IFSO), Vienna, Austria, 26 - 29 August 2015, vol.25
- V. **Effects of iloprost on lipid peroxidation parameters in cerebral hypoperfusion model induced by right common carotid artery occlusion**
Aytac E., Seymen H., Sozer V., Ozdemir M., Koc N., Gumustas M., Altug T.
5th European Congress of Oto-Rhino-Laryngology Head and Neck Surgery, Rhodes, Greece, 11 - 16 September 2004, pp.445-450

Supported Projects

SÖZER V., Other International Funding Programs, Deneysel diabetik ratlarda beyin iskemi perfüzyon hasarında nitrik oksit miktar tayini ile nitrik oksit sentetaz enziminin aktivitesinin değerlendirilmesi, Continues

SÖZER V., Other International Funding Programs, Koroner arter hastalarında koagülasyon regülasyonunda rol oynayan trombomodülün, Protein C, TFPİ, PAI-1 moleküllerinin ve endotel disfonksiyonunun tıkalı damar sayıları ile korelasyonu yönünde incelenmesi, Continues

SÖZER V., ABD ALHAYALI M. A., Project Supported by Higher Education Institutions, Dolaşımdaki mikroribonükleik asitler miR- 1 ve miR-21'in klinik değerinin tip 2 diabetik hastalarda akut kalp yetersizliği teşhisindeki önemi, 2018 - 2019

SÖZER V., Project Supported by Higher Education Institutions, Obstruktif Uyku Apne Sendromunda Aralıklı Hipoksinin Sonucu Olarak Serum Solubl TNF-alfa Reseptörü, PPAR-alfa ve Nükleer Faktör-kappa-beta Düzeylerinin Değerlendirilmesi, 2015 - 2016

SÖZER V., Project Supported by Higher Education Institutions, Kroner arter hastalarında koagülasyon regülasyonunda rol oynayan trombomodulin, Protein C, Protein S, TFPİ, TPA-PA-1 moleküllerinin tıkalı damar sayıları ile korelasyonu yönünden incelenmeleri, 2004 - 2010

SÖZER V., Project Supported by Higher Education Institutions, Deneysel Diabetik Ratlarda Beyin İskemi Perfüzyon Hasarında Nitrik Oksit Sentetaz Enziminin Aktivitesinin Değerlendirilmesi, 2002 - 2005

Sözer V., Peksel A., Gümüştas M. K., Project Supported by Higher Education Institutions, Deneysel Diyabetik Ratlarda Beyin İskemi Perfüzyon Hasarında Nitrik Oksit Sentetaz Enziminin Aktivitesinin Değerlendirilmesi, 2002 - 2005

Arısan Ataç İ., Peksel A., Sözer V., Tokatman A. K., Project Supported by Higher Education Institutions, Sitrik asit fermantasyonunda heksozların yanında bazı poliollerin verim arttırmadaki rolü, 1998 - 2001

Metrics

Publication: 39

Citation (WoS): 272

Citation (Scopus): 268

H-Index (WoS): 9

H-Index (Scopus): 9

Congress and Symposium Activities

FEPS2017, Attendee, Vienna, Austria, 2017