

# Prof. Pinar ATUKEREN

## Personal Information

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## Education Information

Doctorate, İstanbul Üniversitesi, Cerrahpaşa Tıp Fakültesi, Biyokimya Anabilim Dalı, Turkey 1999 - 2005

Post Graduate, İstanbul Üniversitesi, Cerrahpaşa Tıp Fakültesi, Biyokimya Anabilim Dalı, Turkey 1997 - 1999

## Foreign Languages

English, C1 Advanced

## Certificates, Courses and Trainings

Education Management and Planning, Real-Time PCR ve Western Blot: Yeni gelişen teknolojiler ve klinik uygulamalar., Türk Biyokimya Derneği/İstanbul Üniversitesi Cerrahpaşa Tıp Fakültesi Tıbbi Biyokimya Anabilim Dalı, 2014

Education Management and Planning, Protein maintenance and turnover in ageing & diseases, Advanced Lecture Course-FEBS/SFRR-E/IUBMB, 2010

Education Management and Planning, Mechanisms, consequences and detection of free radical-mediated oxidative protein modifications, Advanced Lecture Course-FEBS-IFCC-TUBİTAK, 2009

Education Management and Planning, Metabolizmanın Regülasyonu ve Metabolik Bozukluklar Lisansüstü Yaz Okulu, Ege Üniversitesi/Biyokimya-Karadeniz Teknik Üniversitesi/Kimya, 2008

Education Management and Planning, DNA Hasarı, Onarımı ve Hastalıklarla İlişkisi Kursu, Dokuz Eylül Üniversitesi/Sağlık Bilimleri Enstitüsü, 2007

Education Management and Planning, Serbest Radikaller, DNA Hasarı, DNA Onarımı ve Hastalıklarla İlişkisi Kursu, Dokuz Eylül Üniversitesi/Sağlık Bilimleri Enstitüsü, 2005

Education Management and Planning, I. Deneysel Hayvanları Araştırmaları ve Uygulama ve Etik Kursu, İstanbul Üniversitesi Cerrahpaşa Tıp Fakültesi, 2005

Education Management and Planning, Biyoinformatik-II Lisansüstü Yaz Okulu, Ege Üniv.-Yeditepe Üniv.-Berlin Teknik Üniv.-TUBİTAK, 2004

Education Management and Planning, Measurement of free radicals, evaluation of oxidant/antioxidant status and clinical applications, Society For Free Radical Research International/Free Radical School, 2002

Education Management and Planning, Reaktif Oksijen ve Nitrojen Oksit Türleri: Yapımları, Fonksiyonları ve Toksik Etkileri Kursu, Hacettepe Üniversitesi Tıp Fakültesi, 2001

Education Management and Planning, Biyokimya Temel ve Modern Teknikler konulu Biyokimya Lisansüstü Yaz Okulu, Ege Üniversitesi/Fen Fak./Biyokimya-Berlin Teknik Üniversitesi/Biyokimya ve Moleküler Biyoloji, 2000

Education Management and Planning, FEBS Advanced Course- Free radicals, nitric oxide and antioxidants in health and disease, FEBS Advanced Course/SFRR Europe-TUBİTAK, 1999

Education Management and Planning, Enzimoloji Lisansüstü Yaz Okulu, Ege Üniversitesi/Fen Fak./Biyokimya-Berlin Teknik Üniversitesi/Biyokimya ve Moleküler Biyoloji, 1998

## Dissertations

Doctorate, Deneysel diyabet modelinde serebral iskemi reperfüzyon sonucu oluşan oksidatif hasarın ve antioksidan tedavi etkilerinin incelenmesi, İstanbul Üniversitesi, Cerrahpaşa Tıp Fakültesi, Biyokimya Anabilim Dalı, 2005

Post Graduate, Akut diabetik sıçanlara alkol uygulamasının karaciğer gamma glutamil transferaz enzimi üzerine etkisinin incelenmesi , İstanbul Üniversitesi, Cerrahpaşa Tıp Fakültesi, Biyokimya Anabilim Dalı, 1999

## Research Areas

Medicine, Health Sciences, Fundamental Medical Sciences, Biochemistry

## Academic Titles / Tasks

Professor, Istanbul University, Cerrahpaşa Tıp Fakültesi, Tıbbi Biyokimya Anabilim Dalı, 2017 - Continues

Associate Professor, Istanbul University, Cerrahpaşa Tıp Fakültesi, Tıbbi Biyokimya Anabilim Dalı, 2012 - 2017

## Jury Memberships

Doctoral Examination, Doktora Yeterlilik , Cerrahpaşa Tıp Fakültesi, April, 2014

Doctoral Examination, Yan Dal Uzmanlık Sözlü Sınavı, Cerrahpaşa Tıp Fakültesi, January, 2014

Expertise In Medicine, Yan Dal Uzmanlık Tez Savunma Sınavı, Cerrahpaşa Tıp Fakültesi, December, 2013

## Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **Is d-Galactose a Useful Agent for Accelerated Aging Model of Gastrocnemius and Soleus Muscle of Sprague-Dawley Rats?**  
YANAR K., Simsek B., ATUKEREN P., AYDIN S., ÇAKATAY U.  
REJUVENATION RESEARCH, 2019 (Journal Indexed in SCI)
- **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. A. , SÖZER V., Durmus S., ERDENEN F., ALTUNOGLU E., Gelisgen R., Atukeren P., Atak P. G. , Uzun H.  
BIOMOLECULES, vol.9, 2019 (Journal Indexed in SCI)
- **Evaluation of ALCAM, PECAM-1 and selectin levels in intracranial meningiomas.**  
Atukeren P., Türk O., Yanar K., Kemerdere R., Sayyahmelli S., EREN B., Tanriverdi T.  
Clinical neurology and neurosurgery, vol.160, pp.21-26, 2017 (Journal Indexed in SCI Expanded)
- **Oxidant and anti-oxidant status in common brain tumors: Correlation to TP53 and human biliverdin reductase.**  
Atukeren P., Oner S., BARAN O., Kemerdere R., EREN B., Cakatay U., Tanriverdi T.  
Clinical neurology and neurosurgery, vol.158, pp.72-76, 2017 (Journal Indexed in SCI Expanded)
- **The efficacy of donepezil administration on acetylcholinesterase activity and altered redox homeostasis in Alzheimer's disease**  
Atukeren P., Cengiz M., Yavuzer H., Gelisgen R., Altunoglu E., Oner S., Erdenen F., YUCEAKIN D., DERICI H., Cakatay U., et al.  
BIOMEDICINE & PHARMACOTHERAPY, vol.90, pp.786-795, 2017 (Journal Indexed in SCI)
- **The effects of hyperthermic intraperitoneal chemoperfusion on colonic anastomosis: an experimental study in a rat model**  
Aghayeva A., Benlice C., Bilgin I. A. , Atukeren P., DOGUSOY G., DEMİR F., Atasoy D., BACA B.  
TUMORI J, vol.103, pp.307-313, 2017 (Journal Indexed in SCI)
- **The Effects of Hyperbaric Oxygen Treatment on Total Antioxidant Capacity and Prolidase Activity after Bile Duct Ligation in Rats**  
Terzioğlu D., Uslu L., Simsek G., Atukeren P., Erman H., Gelisgen R., Ayvaz S., Aksu B., Uzun H.  
JOURNAL OF INVESTIGATIVE SURGERY, vol.30, pp.376-382, 2017 (Journal Indexed in SCI)
- **Selectins, Activated Leukocyte Cell Adhesion Molecule, and Platelet Endothelial Cell Adhesion Molecule-**

## **1 Tissue Levels in Patients With Low- and High-grade Gliomas**

Tanriverdi T., Sayyahmelli S., Kemerdere R., Atukeren P., EREN B.

JOURNAL OF NEUROLOGICAL SCIENCES-TURKISH, vol.34, pp.42-51, 2017 (Journal Indexed in SCI)

- **Investigation of the Levels of Serum Amyloid A, YKL-40, and Pentraxin-3 in Patients with Familial Mediterranean Fever**

CIFTCI S., Celik H. T. , Atukeren P., CIFTCI N., Deniz M. S. , YAVUZ Y. C. , Kazanci F. H. , Gok S., Demirin H., Yigitoglu M. R.

JOURNAL OF CLINICAL LABORATORY ANALYSIS, vol.30, pp.1158-1163, 2016 (Journal Indexed in SCI)

- **Gender and chronological age affect erythrocyte membrane oxidative indices in citrate phosphate dextrose adenine-formula 1 (CPDA-1) blood bank storage condition**

ERMAN H., Aksu U., Belce A., Atukeren P., Uzun D., Cebe T., Kansu A. D. , Gelisgen R., Uslu E., Aydin S., et al. GENERAL PHYSIOLOGY AND BIOPHYSICS, vol.35, pp.343-351, 2016 (Journal Indexed in SCI)

- **Expressions of Endocan in Patients with Meningiomas and Gliomas.**

Atukeren P., Kunbaz A., Türk O., Kemerdere R., Ulu M. O. , Inanir N. T. , Tanriverdi T.

Disease markers, vol.2016, pp.7157039, 2016 (Journal Indexed in SCI Expanded)

- **Aggravating effect of atorvastatin on indomethacin-induced gastric injury: Focus on PGE(2), TNF-alpha, neutrophils and iNOS**

Yildirim F. I. A. , Uyanik O., Ozyogurtcu H., Gurel A., Atukeren P., Gumustas K., Ozdemir O., Uydes-Dogan S.

PROSTAGLANDINS & OTHER LIPID MEDIATORS, vol.121, pp.53-62, 2015 (Journal Indexed in SCI)

- **Ameliorative Effects of Testosterone Administration on Renal Redox Homeostasis in Naturally Aged Rats**

Yanar K., Atukeren P., Cebe T., Kunbaz A., Ozan T., Kansu A. D. , Durmaz S., Gulec V., Belce A., Aydin S., et al.

REJUVENATION RESEARCH, vol.18, pp.299-312, 2015 (Journal Indexed in SCI)

- **Age-related changes in rat prostate tissue; perspective of protein oxidation.**

UZUN D., Yanar K., Atukeren P., CEBE T., Mengi M., OZAN T., KUNBAZ A., KURUÇ A., Çakatay U., Aydın S.

The aging male : the official journal of the International Society for the Study of the Aging Male, vol.18, pp.54-9, 2015 (Journal Indexed in SCI)

- **Oxidation scrutiny in persuaded aging and chronological aging at systemic redox homeostasis level**

Cebe T., Atukeren P., Yanar K., Kuruc A. I. , Ozan T., Kunbaz A., Sitar M. E. , Mirmaroufizibandeh R., Aydin S., Cakatay U.

EXPERIMENTAL GERONTOLOGY, vol.57, pp.132-140, 2014 (Journal Indexed in SCI)

- **Age-Related Changes In Rat Prostate Tissue; Perspective Of Protein Oxidation**

Uzun D., Yanar K., Atukeren P., Cebe T., Mengi M., Ozan T., Kunbaz A., Kuruç A. I. , Çakatay U., Aydın S.

Aging Male, vol.28, pp.1-6, 2014 (Journal Indexed in SCI Expanded)

- **A novel sutureless colonic anastomosis with self-gripping mesh: an experimental model**

Cipe G., MALYA F. Ü. , Hasbahceci M., Atukeren P., Buyukpinarbasili N., Karatepe O., Muslumanoglu M.

INTERNATIONAL JOURNAL OF CLINICAL AND EXPERIMENTAL MEDICINE, vol.7, pp.1255-1261, 2014 (Journal Indexed in SCI)

- **A comprehensive study of myocardial redox homeostasis in naturally and mimetically aged rats.**

CEBE T., Yanar K., Atukeren P., OZAN T., KURUÇ A., KUNBAZ A., Sitar M. E. , Mengi M., AYDIN M.,

EŞREFOĞLU M., et al.

Age (Dordrecht, Netherlands), vol.36, pp.9728, 2014 (Journal Indexed in SCI)

- **Efficacy of Herbal Drugs in Human Diseases and Disorders**

Luqman S., Rizvi S. I. , Beer A., Khare S. K. , Atukeren P.

EVIDENCE-BASED COMPLEMENTARY AND ALTERNATIVE MEDICINE, 2014 (Journal Indexed in SCI)

- **Significance of vitronectin and PAI-1 activity levels in carotid artery disease: comparison of symptomatic and asymptomatic patients**

Ekmekci H., Öztürk Z., Ekmekci O. B. , Butun I. I. , Besirli K., Gode S., Atukeren P., Sonmez H.

MINERVA MEDICA, vol.104, pp.215-223, 2013 (Journal Indexed in SCI)

- **Traditional Medicine in Management of Type 2 Diabetes Mellitus**

Rizvi S. I. , Matteucci E., Atukeren P.

JOURNAL OF DIABETES RESEARCH, 2013 (Journal Indexed in SCI)

- **Correlation of inflammation markers with nitrosative stress in ulcerative colitis**

Atukeren P., Pilanci K. N. , Kesici B., Yavuz B., Kaplan O., Erguney M.

JOURNAL OF GASTROENTEROLOGY AND HEPATOLOGY, vol.27, pp.168, 2012 (Journal Indexed in SCI)

- **Comparison of oxidative stress biomarkers in renal tissues of D-galactose induced, naturally aged and young rats**  
Aydin S., Yanar K., Atukeren P., Dalo E., Sitar M. E. , Uslu E., CAF N., Cakatay U.  
BIOGERONTOLOGY, vol.13, pp.251-260, 2012 (Journal Indexed in SCI)
- **Effects of intraperitoneal glycerol and flax oil administration on colonic anastomosis healing.**  
Aysan E., Sari S., Bektaş H., Ersöz F., ATUKEREN P., Müslümanoğlu M.  
BIOMEDICAL RESEARCH-INDIA, vol.23, pp.143-146, 2012 (Journal Indexed in SCI)
- **Protein and DNA Oxidation in Different Anatomic Regions of Rat Brain in a Mimetic Ageing Model**  
Yanar K., Aydin S., Cakatay U., Mengi M., Buyukpinarbasili N., Atukeren P., Sitar M. E. , Sonmez A., Uslu E.  
BASIC & CLINICAL PHARMACOLOGY & TOXICOLOGY, vol.109, pp.423-433, 2011 (Journal Indexed in SCI)
- **The effect of Omega-3 fatty acid and ascorbic acid on healing of ischemic colon anastomoses**  
Ekci B., Karabicak I., Atukeren P., Altinli E., Tomaoglu K., Tasci I.  
ANNALI ITALIANI DI CHIRURGIA, vol.82, pp.475-479, 2011 (Journal Indexed in SCI)
- **Effect of Corticosteroid Dose and Duration of Administration on Colonic Anastomosis**  
Baca B., Ozben V., Boler D. E. , Onur E., Hamzaoglu I., Karahasanoglu T., Erdamar S., Atukeren P., Dirican A.  
INFLAMMATORY BOWEL DISEASES, vol.16, pp.2162-2167, 2010 (Journal Indexed in SCI)
- **Nontraditional Risk Factors in Carotid Artery Disease**  
Öztürk Z., Ekmekci H., Ekmekci O. B. , Atukeren P., Butun I., Gode S., Besirli K., Kokoglu E., Sonmez H.  
CLINICAL AND APPLIED THROMBOSIS-HEMOSTASIS, vol.16, pp.554-558, 2010 (Journal Indexed in SCI)
- **Variations in systemic biomarkers of oxidative/nitrosative stress and DNA damage before and during the consequent two cycles of chemotherapy in breast cancer patients**  
Atukeren P., Yavuz B., Soydinc H. O. , Purisa S., Camlica H., Gumustas M. K. , Balcioglu I.  
CLINICAL CHEMISTRY AND LABORATORY MEDICINE, vol.48, pp.1487-1495, 2010 (Journal Indexed in SCI)
- **Phosphodiesterase-5 inhibition by sildenafil citrate in a rat model of bleomycin-induced lung fibrosis**  
Yildirim A., Ersoy Y., ERCAN F., Atukeren P., Gumustas K., Uslu U., Alican I.  
PULMONARY PHARMACOLOGY & THERAPEUTICS, vol.23, pp.215-221, 2010 (Journal Indexed in SCI)
- **Expressions of some vital molecules: glioblastoma multiforme versus normal tissues.**  
Atukeren P., Kemerdere R., Kacira T., Hanimoglu H., Ozlen F., Yavuz B., Tanriverdi T., Gumustas K., Canbaz B.  
Neurological research, vol.32, pp.492-501, 2010 (Journal Indexed in SCI Expanded)
- **Gender-dependent oxidative variations in liver of aged rats**  
Aydin S., Atukeren P., Cakatay U., Uzun H., Altug T.  
BIOGERONTOLOGY, vol.11, pp.335-346, 2010 (Journal Indexed in SCI)
- **Redox homeostasis of albumin in relation to alpha-lipoic acid and dihydrolipoic acid**  
Atukeren P., Aydin S., Uslu E., Gumustas M. K. , Cakatay U.  
OXIDATIVE MEDICINE AND CELLULAR LONGEVITY, vol.3, pp.206-213, 2010 (Journal Indexed in SCI)
- **Antiapoptotic effect of angiotensin-II type-1 receptor blockade in renal tubular cells of hyperoxaluric rats**  
Tuncdemir M., Demirkesen O., Ozturk M., Atukeren P., Gumustas M. K. , Turan T.  
UROLOGICAL RESEARCH, vol.38, pp.71-80, 2010 (Journal Indexed in SCI)
- **The photodegradation of a zinc phthalocyanine**  
Gumustas M. K. , Sesalan B. Ş. , Atukeren P., Yavuz B., Gül A.  
JOURNAL OF COORDINATION CHEMISTRY, vol.63, pp.4319-4331, 2010 (Journal Indexed in SCI)
- **The effect of sildenafil, a phosphodiesterase-5 inhibitor, on acetic acid-induced colonic inflammation in the rat**  
Iseri S. O. , Ersoy Y., ERCAN F., YÜKSEL M., Atukeren P., Gumustas K., Alican I.  
JOURNAL OF GASTROENTEROLOGY AND HEPATOLOGY, vol.24, pp.1142-1148, 2009 (Journal Indexed in SCI)
- **Alterations in lipid peroxidation and antioxidant status in different types of intracranial tumors within their relative peritumoral tissues**  
Zengin E., Atukeren P., Kokoglu E., Gumustas M. K. , Zengin U.  
CLINICAL NEUROLOGY AND NEUROSURGERY, vol.111, pp.345-351, 2009 (Journal Indexed in SCI)
- **Influence of Intermittent Hypobaric Exposure on SOD and TBARS Levels in Trained Rats**  
Altan M., Atukeren P., Mengi M., Metin G., Cakar L., Gumustas K.  
CHINESE JOURNAL OF PHYSIOLOGY, vol.52, pp.106-112, 2009 (Journal Indexed in SCI)

- **Effects of erucic acid supplemented feeding on chronic doxorubicin toxicity in rats**  
 Bozcali E., Suzer O., Gursoy H. N. , Atukeren P., Gumustas K. M.  
 INTERNATIONAL JOURNAL OF CLINICAL AND EXPERIMENTAL MEDICINE, vol.2, pp.337-347, 2009 (Journal Indexed in SCI)
- **Expression of hypoxia inducible factor-1alpha in tumors of patients with glioblastoma multiforme and transitional meningioma.**  
 Kaynar M. Y. , Sanus G. Z. , Hnimoglu H., Kacira T., Kemerdere R., Atukeren P., Gumustas K., Canbaz B., Tanriverdi T.  
 Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia, vol.15, pp.1036-42, 2008 (Journal Indexed in SCI Expanded)
- **The effect of alpha-lipoic acid on NOS dispersion in the lung of streptozotocin-induced diabetic rats**  
 Hurdag C., Uyaner I., Gurel E., Utkusavas A., Atukeren P., Demirci C.  
 JOURNAL OF DIABETES AND ITS COMPLICATIONS, vol.22, pp.56-61, 2008 (Journal Indexed in SCI)
- **Cerebrospinal fluid and serum chitotriosidase levels in patients with aneurysmal subarachnoid haemorrhage: Preliminary results**  
 Isman F. K. , Kacira T., Kucur M., Sanus G. Z. , Atukeren P., Tanriverdi T., Kaynar M. Y.  
 TURKISH NEUROSURGERY, vol.17, pp.235-242, 2007 (Journal Indexed in SCI)
- **Glutathione peroxidase, glutathione reductase and protein oxidation in patients with glioblastoma multiforme and transitional meningioma**  
 Tanriverdi T., Hanimoglu H., Kacira T., Sanus G. Z. , Kemerdere R., Atukeren P., Gumustas K., Canbaz B., Kaynar M. Y.  
 JOURNAL OF CANCER RESEARCH AND CLINICAL ONCOLOGY, vol.133, pp.627-633, 2007 (Journal Indexed in SCI)
- **Relationship between DNA damage and total antioxidant capacity in patients with transitional meningioma**  
 Hanimoglu H., Tanriverdi T., Kacira T., Sanus G. Z. , Atukeren P., Aydin S., Tunalı Y., Gumustas K., Kaynar M. Y.  
 CLINICAL NEUROLOGY AND NEUROSURGERY, vol.109, pp.561-566, 2007 (Journal Indexed in SCI)
- **The effects of vitamin E on lipid peroxidation, nitric oxide production, and superoxide dismutase expression in hyperglycemic rats with cerebral ischemia-reperfusion injury**  
 Gumustas K., Guzeyli F. M. , Atukeren P., Sanus G. Z. , Kemerdere R., Tanriverdi T., Kaynar M. Y.  
 TURKISH NEUROSURGERY, vol.17, pp.78-82, 2007 (Journal Indexed in SCI)
- **Detection of caspase-3, neuron specific enolase, and high-sensitivity C-reactive protein levels in both cerebrospinal fluid and serum of patients after aneurysmal subarachnoid hemorrhage.**  
 Kacira T., Kemerdere R., Atukeren P., Hanimoglu H., Sanus G. Z. , Kucur M., Tanriverdi T., Gumustas K., Kaynar M. Y.  
 Neurosurgery, vol.60, 2007 (Journal Indexed in SCI Expanded)
- **Relationship between DNA damage and total antioxidant capacity in patients with glioblastoma multiforme**  
 Tüzgen S., Hanimoğlu H., Tanriverdi T., Kaçira T., Sanus G. Z. , Atukeren P., Dashti R., Gümüştaş K., Canbaz B., Kaynar M. Y.  
 CLINICAL ONCOLOGY, vol.19, pp.177-181, 2007 (Journal Indexed in SCI)
- **Sex differences in modulating blood brain barrier permeability by NO in pentylene-tetrazol-induced epileptic seizures**  
 Diler A. S. , Uzum G., Dar K. A. , Aksu U., Atukeren P., Ziyılın Y. Z.  
 LIFE SCIENCES, vol.80, pp.1274-1281, 2007 (Journal Indexed in SCI)
- **Icodextrin and Septrafilm((R)) do not interfere with colonic anastomosis in rats**  
 Baca B., Boler D. E. , Onur E., Akça O., Hamzaoğlu I., Karahasanoğlu T., Erdamar S., Atukeren P., Dirican A.  
 EUROPEAN SURGICAL RESEARCH, vol.39, pp.318-323, 2007 (Journal Indexed in SCI)
- **GSM base station electromagnetic radiation and oxidative stress in rats**  
 Yurekli A. I. , Ozkan M., Kalkan T., Saybasili H., Tuncel H., Atukeren P., Gumustas K., Seker S.  
 Electromagnetic Biology and Medicine, vol.25, pp.177-188, 2006 (Journal Indexed in SCI)
- **Changes of nitric oxide synthase-containing nerve fibers and parameters for oxidative stress after unilateral cavernous nerve resection or manipulation in rat penis**

Ozkara H., Alan C., Atukeren P., Uyaner I., Demirci C., Gumusatas M. K. , Alici B.  
CHINESE JOURNAL OF PHYSIOLOGY, vol.49, pp.160-166, 2006 (Journal Indexed in SCI)

- **Effects of hyperbaric oxygen and Pgg-glucan on ischemic colon anastomosis**  
Guzel S., Sunamak O., As A., Celik V., Ferahman M., Nuri M. M. K. , Gazioglu E., Atukeren P., Mutlu O.  
WORLD JOURNAL OF GASTROENTEROLOGY, vol.12, pp.1421-1425, 2006 (Journal Indexed in SCI)
- **Cerebrospinal fluid superoxide dismutase and serum malondialdehyde levels in patients with aneurysmal subarachnoid hemorrhage: preliminary results.**  
Kaynar M., Tanriverdi T., Kemerdere R., Atukeren P., Gumustas K.  
Neurological research, vol.27, pp.562-7, 2005 (Journal Indexed in SCI Expanded)
- **In vivo inhibition of inducible nitric oxide and evaluation of the brain tissue damage induced by Toxocara canis larvae in experimentally infected mice**  
Gargili A., Demirci C., Kandil A., Cetinkaya H., Atukeren P., Gumustas M. K.  
CHINESE JOURNAL OF PHYSIOLOGY, vol.47, pp.189-196, 2004 (Journal Indexed in SCI)
- **Lipid peroxidation, erythrocyte superoxide-dismutase activity and trace metals in young male footballers**  
Metin G., Atukeren P., Alturfan A. A. , Gülyaşar T., Kaya M., Gümüştas M. K.  
YONSEI MEDICAL JOURNAL, vol.44, pp.979-986, 2003 (Journal Indexed in SCI)
- **The effect of vitamin E treatment on oxidative stress generated in trained rats**  
Metin G., Atukeren P., Gümüştas M. K. , Belce A., Kayserilioglu A.  
TOHOKU JOURNAL OF EXPERIMENTAL MEDICINE, vol.198, pp.47-53, 2002 (Journal Indexed in SCI)

## Articles Published in Other Journals

- **Increased protein oxidation and loss of protein-bound sialic acid in hepatic tissues of D-galactose induced aged rats.**  
ÇAKATAY U., AYDIN S., ATUKEREN P., YANAR K., SİTAR M. E. , DALO E., USLU E.  
Curr Aging Sci, vol.6, pp.135-141, 2013 (Refereed Journals of Other Institutions)
- **Increased Protein Oxidation and Loss of Protein-Bound Sialic Acid in Hepatic Tissues of D-galactose Induced Aged Rats**  
ÇAKATAY U., AYDIN S., ATUKEREN P., YANAR K., SİTAR M. E. , DALO E., USLU F. E.  
Current Aging Science, vol.6, pp.135-141, 2013 (Refereed Journals of Other Institutions)
- **Effect of Dexamethasone in Mediating Oxidative Stress Induced by Sodium Nitroprusside on Frog Sciatic Nerve Action Potentials**  
Aksu U., ATUKEREN P., Terzioğlu D., Belce A., Demirci Tansel C.  
BEZMIALEM SCIENCE, vol.1, no.1, pp.21-27, 2013 (Other Refereed National Journals)
- **Psikiyatrik hastalıklarda oksidatif stresin rolü**  
ATUKEREN P., Gümüştas M.  
Nöropsikiyatri Forumu Dergisi, vol.4, pp.59-67, 2010 (Other Refereed National Journals)
- **Semptomatik ve asemptomatik hastalarda karotid arter aterom plak içeriğinin karşılaştırılması**  
Özdemir M., Arslan C., Kurdal A., Demirbaş M., ATUKEREN P., Bozkurt A.  
Turkish Journal of Vascular Surgery, vol.17, pp.43-48, 2008 (Other Refereed National Journals)
- **Cytochrome oxidase activity and ATP levels in high grade gliomas and meningiomas**  
TANRIVERDİ T., ATUKEREN P.  
Turkish Neurosurgery, vol.16, pp.64-68, 2006 (Other Refereed National Journals)

## Book & Book Chapters

- **Novel Strategies and Approaches in Hypertension**  
Uzun H. (Editor), Atukeren P. (Editor)  
Bentham Science Publishers Pte. Ltd. Singapore, Singapore, 2019
- **Medical Nutrition in Hypertension**  
Alphan E., Atukeren P.  
in: Novel Strategies and Approaches in Hypertension, Hafize Uzun, Pınar Atukeren, Editor, Bentham Science

Publishers, Singapore, pp.339-350, 2019

- **Emerging and Routine Biomarkers in Hypertension, Current Aspects and Future Directions**

Sitar M. E. , Atukeren P.

in: Novel Strategies and Approaches in Hypertension, Hafize Uzun, Pınar Atukeren, Editor, Bentham Science Publishers, Singapore, pp.328-338, 2019

- **Novel Prospects in Oxidative and Nitrosative Stress**

ATUKEREN P.

Intechopen, Rikeja, 2018

- **Tıbbi Biyokimya Laboratuvarlarında Güvenlik El kitabı**

KONUĞOĞLU D., ATUKEREN P.

Türkmen Kitabevi, İstanbul, 2016

- **Melatonin's beneficial effects in hepatic injury**

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- **Anevrizmal subaraknoid kanamalı hastaların beyin omurilik sıvılarında ve serumlarında chitotriosidase seviyelerinin araştırılması**  
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- **Meme kanser dokusunda oksidatif stresin ve bununla ilişkili enzimlerin değerlendirilmesi**

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## Supported Projects

ATUKEREN P., Project Supported by Higher Education Institutions, Deneysel multipl skleroz modelinde çörek otu yağı uygulanmasının beyin dokusu siyalik asit düzeyleri ile prolin oksidaz ve prolidaz aktiviteleri üzerine etkisinin incelenmesi, 2018 - 2019

ATUKEREN P., Project Supported by Higher Education Institutions, The Efficacy Of Acetylcholineesterase Inhibitor Administration On Redox Homeostasis In Alzheimer's Disease, 2015 - 2018

ATUKEREN P., Project Supported by Higher Education Institutions, Gliom ve Meningiom Olgularında Tümör Dokusunda Hücrel Adezyon Molekülleri Düzeylerinin ve Redoks Homeostazının İncelenmesi, 2015 - 2017

ATUKEREN P., ÖNER S., Project Supported by Higher Education Institutions, Deneysel Multipl Skleroz Modelinde "Çörek Otu (Nigella sativa) Yağı" ve "Timokinon"un Redoks Homeostazi Üzerine Etkilerinin İncelenmesi, 2015 - 2016

AYDIN S., ATUKEREN P., SİTAR M. E. , YANAR K., OZAN T., KURUÇ A. I. , CEBE T., Project Supported by Higher Education Institutions, Mimetik ve doğal yaşlı sıçanların iskelet kaslarında makromoleküler homeostasisi, 2013 - 2016

ATUKEREN P., Project Supported by Higher Education Institutions, THE IMPACT OF REIKI ON OXIDATIVE STRESS STATUS IN BRAIN TISSUES OF RATS EXPOSED TO EXPERIMENTAL DEPRESSION, 2014 - 2014

ATUKEREN P., Project Supported by Higher Education Institutions, Oxidative/Nitrosative Stress Status In Chronic Renal Failure Patients, 2013 - 2013

ATUKEREN P., Project Supported by Higher Education Institutions, Correlation Of Inflammation Markers With Nitrosative Stress In Ulcerative Colitis, 2012 - 2013

ATUKEREN P., Project Supported by Higher Education Institutions, Kronik böbrek yetersizliği olan hastalarda oksidatif ve nitrozatif stresin ve ilgili enzim polimorfizmlerinin incelenmesi, 2008 - 2011

ATUKEREN P., Project Supported by Higher Education Institutions, Investigation of oxidative/nitrosative stress before and during the consequent two cycles of chemotherapy in breast cancer patients., 2009 - 2009

ATUKEREN P., Project Supported by Higher Education Institutions, Evaluation of the effects of ?-lipoic acid and pycnogenol supplementation on NO release with ONOO-, 3-NTyr and total nitrite/nitrate levels in experimental cerebral ischemia-reperfusion subjected to diabetic rats., 2007 - 2008

## Invited Congress and Symposium Activities

International CME and Annual Conference of ISRTP on Renal Pathology, Attendee, Yeni Delhi, India, 2013

Asian Pacific Digestive Week, Attendee, Bangkok, Thailand, 2012

XXI. Ulusal Biyokimya Kongresi, Attendee, İstanbul, Turkey, 2009

21st IUBMB and 12th FAOBMB International Congress of Biochemistry and Molecular Biology, Attendee, Şangay, China, 2009

III. International Congress of Molecular Medicine, Attendee, İstanbul, Turkey, 2009

Programlı Hücre Ölümü Sempozyumu, Attendee, İstanbul, Turkey, 2008

HSSRC/AIST-NIEHS/NIH Joint International Symposium Biomarkers of Oxidative Stress in Health and Disease, Attendee, Osaka, Japan, 2008

3rd Cell Stress Society International Congress on Stress Responses in Biology and Medicine and 2nd World Conference of Stress, Attendee, Budapeşte, Hungary, 2007

17th IFCC-FESCC European Congress of Clinical Chemistry and Laboratory Medicine, Attendee, Amsterdam, Netherlands, 2007

31st FEBS Congress Molecules in Health and Disease, Attendee, İstanbul, Turkey, 2006

16th IFCC-FESCC European Congress of Clinical Chemistry and Laboratory Medicine, Attendee, Glasgow, United

Kingdom, 2005

1. Moleküler Tıp Kongresi, Attendee, İstanbul, Turkey, 2005

13th Balkan Biochemical Biophysical Days and Meeting on Metabolic Disorders, Attendee, İzmir, Turkey, 2003

HPLC ve Diğer Seperasyon Teknikleri Ulusal Sempozyumu, Attendee, Ankara , Turkey, 2003

28th Meeting of the Federation of European Biochemical Societies (FEBS), Attendee, İstanbul, Turkey, 2002

2nd International Meeteing on Free Radicals in Health and Disease, Attendee, İstanbul, Turkey, 2002

Türk Fizyolojik Bilimler Derneği 27. Ulusal Kongresi, Attendee, İstanbul, Turkey, 2001

XVI. Ulusal Biyokimya Kongresi, Attendee, İzmir, Turkey, 2000

II. Ulusal Serbest Radikaller ve Antioksidanlar Kongresi, Attendee, Eskişehir, Turkey, 1999

The First International Biosciences Days, Attendee, Antalya, Turkey, 1999

## Citations

Total Citations (WOS):714

h-index (WOS):17

## Scholarships

Yurt İçi Başarılı Doktora Öğrencileri Bursu, TUBITAK, 2000 - Continues

Yurt İçi Başarılı Yüksek Lisans Öğrencileri Bursu, TUBITAK, 1998 - Continues

## Awards

ATUKEREN P., Yeni Yüzyıl Üniversitesi III. Bilim Günleri Ödülü, Yeni Yüzyıl Üniversitesi, May 2013

ATUKEREN P., Poster Başarı Ödülü, Türk Biyokimya Derneği, October 2000