

Prof. Beşaret Necla TOKER

Personal Information

Office Phone: [+90 212 414 2000](tel:+902124142000) Extension: 32229

Email: tokernk@istanbul.edu.tr

Web: <http://aves.istanbul.edu.tr/tokernk/>

International Researcher IDs

ORCID: 0000-0003-1141-4930

Publons / Web Of Science ResearcherID: AAD-8944-2020

Yoksis Researcher ID: 4852

Education Information

Doctorate, İstanbul University, İstanbul Tıp/Sağlık Bilimleri, Temel Bilimler/Tıbbi Biyokimya, Turkey 1980 - 1983

Expertise In Medicine, İstanbul University, İstanbul Tıp/, Temel Bilimler/Tıbbi Biyokimya, Turkey 1979 - 1982

Undergraduate, İstanbul University, Kimya / Kimya Yüksek Mühendisliği, Turkey 1974 - 1978

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Occupational Health and Safety, İş güvenliği, İş Sağlığı ve Güvenliği Koordinatörlüğü, 2014

Education Management and Planning, Eğitici Eğitimi Kursu, Tıp Eğitimi Anabilim Dalı, 2012

Education Management and Planning, Uygulamalı Deney Hayvanları Kursu, İÜ. Deneysel Tıp Araştırma Enstitüsü, 2007

Dissertations

Doctorate, Sıçanlarda akut etanol uygulamasının karaciğer ve eritrosit lipid peroksit ve glutatyon düzeylerine etkisi , İstanbul University, Istanbul Medical Faculty, Temel Bilimler/Tıbbi Biyokimya, 1983

Expertise In Medicine, Eritrosit zar fonksiyonu üzerine çok doymamış yağ asitlerinin etkisi , İstanbul University, Istanbul Medical Faculty, Temel Bilimler/Tıbbi Biyokimya, 1982

Research Areas

Medicine, Health Sciences, Fundamental Medical Sciences, Biochemistry

Academic Titles / Tasks

Professor, İstanbul University, İstanbul Medical Faculty, Basic Medical Sciences, 1979 - Continues

Advising Theses

- TOKER B. N., Kronik metilglioksal uygulaması ile sıçanların kan ve dokularında oluşan oksidatif değişimler üzerine karnozin ve resveratrolun etkileri, Postgraduate, Z.Yilmaz(Student), 2015
- TOKER B. N., "İdiopatik erkek infertilitesinde oksidatif hasar göstergelerinin sperm ve seminal plazmada incelenmesi", Doctorate, G.Aktan(Student), 2012
- TOKER B. N., "Deneysel siroz modelinde karnozinin rolü", Expertise In Medicine, F.Aydin(Student), 2009
- TOKER B. N., "Kronik böbrek yetmezliğinde plazma ve apo B içeren lipoproteinlerde peroksidatif değişimlerin incelenmesi" Uzmanlık Tezi, Expertise In Medicine, A.Soylu(Student), 2002
- TOKER B. N., "Peroksinitritin sperm ATPaz aktivitesi üzerine etkisi", Postgraduate, G.Aktan(Student), 2001
- TOKER B. N., "Peroksinitritin sıçan karaciğer glutaredoksin aktivitesi üzerine etkisi", Postgraduate, S.Bulgurcuoğlu(Student), 1999
- TOKER B. N., "Puromisin aminonükleoziti uygulanarak nefrotik sendrom oluşturulan sıçanların böbreklerinde glutatyon metabolizmasının incelenmesi", Doctorate, D.Ayribas(Student), 1998
- TOKER B. N., "Cyclosporin A'nın lipit peroksidasyonu ve antioksidan sistem elemanları üzerine etkisi, Doctorate, B.Uğurnal(Student), 1997
- TOKER B. N., "Plazma antioksidan aktivitesinin ve eritrositelerin lipit peroksidasyonuna duyarlılıklarının farklı türlerde incelenmesi", Postgraduate, D.Ayribas(Student), 1992
- TOKER B. N., "Galaktozamin uygulamasıyla gelişen karaciğer hasarında lipit peroksitlerinin ve kalsiyumun rolü", Doctorate, S.Seçkin(Student), 1992
- TOKER B. N., "Yaşlanma ve lipit peroksidasyonu arasındaki ilişkinin farelerin karaciğerlerinde incelenmesi", Expertise In Medicine, S.Seçkin(Student), 1988

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The effect of resveratrol on glycation and oxidation products in plasma and liver of chronic methylglyoxal-treated rats**
Yilmaz Z., KALAZ E. B., AYDIN A. F., Olgaç V., DOGRUABBASOGLU S., UYSAL M., TOKER B. N.
PHARMACOLOGICAL REPORTS, vol.70, pp.584-590, 2018 (SCI-Expanded)
- II. **Carnosine prevents testicular oxidative stress and advanced glycation end product formation in D-galactose-induced aged rats**
Aydin A. F., Kucukgergin C., Coban J., Dogan-Ekici I., Dogru-Abbasoglu S., Uysal M., Kocak-Toker N.
ANDROLOGIA, no.3, 2018 (SCI-Expanded)
- III. **The effect of dietary curcumin on hepatic chymase activity and serum fetuin-A levels in rats fed on a high-fat diet**
Oner-Iyidogan Y., Seyithanoglu M., TANRIKULU KÜÇÜK S., Kocak H., Beyhan- Ozdas S., Kocak-Toker N.
JOURNAL OF FOOD BIOCHEMISTRY, vol.41, no.3, 2017 (SCI-Expanded)
- IV. **The effect of dietary curcumin and capsaicin on hepatic fetuin-A expression and fat accumulation in rats fed on a high-fat diet**
Seyithanoglu M., Oner-Iyidogan Y., Dogru-Abbasoglu S., Tanrikulu-Kucuk S., Kocak H., Beyhan-Ozdas S., Kocak-Toker N.
ARCHIVES OF PHYSIOLOGY AND BIOCHEMISTRY, no.2, pp.94-102, 2016 (SCI-Expanded)
- V. **Carnosine and vitamin E - a promising pair in the combat against testicular oxidative stress in aged rats**
Aydin A. F., Coban J., Dogan-Ekici I., Dogru-Abbasoglu S., Uysal M., Kocak-Toker N.
ANDROLOGIA, no.10, pp.1131-1138, 2015 (SCI-Expanded)
- VI. **Carnosine Protection Against Liver Injury**
Uysal M., Kocak-Toker N., Dogru-Abbasoglu S.
IMIDAZOLE DIPEPTIDES: CHEMISTRY, ANALYSIS, FUNCTION AND EFFECTS, vol.8, pp.510-527, 2015 (SCI-Expanded)

- VII. **Effect of curcumin on hepatic heme oxygenase 1 expression in high fat diet fed rats: is there a triangular relationship?**
 Oner-lyidogan Y., Tanrikulu-Kucuk S., Seyithanoglu M., Kocak H., Dogru-Abbasoglu S., Aydin A. F., Beyhan-Ozdas S., Yapislar H., Kocak-Toker N.
CANADIAN JOURNAL OF PHYSIOLOGY AND PHARMACOLOGY, no.10, pp.805-812, 2014 (SCI-Expanded)
- VIII. **Protective effect of Nigella sativa oil against binge ethanol-induced oxidative stress and liver injury in rats**
 Develi S., Evran B., Kalaz E. B., Kocak-Toker N., Erata G. O.
CHINESE JOURNAL OF NATURAL MEDICINES, vol.12, no.7, pp.495-499, 2014 (SCI-Expanded)
- IX. **Effect of carnosine alone or combined with α -tocopherol on hepatic steatosis and oxidative stress in fructose-induced insulin-resistant rats**
 Giris M., Dogru-Abbasoglu S., Kumral A., Olgac V., Kocak-Toker N., Uysal M.
JOURNAL OF PHYSIOLOGY AND BIOCHEMISTRY, no.2, pp.385-395, 2014 (SCI-Expanded)
- X. **Is thioredoxin reductase involved in the defense against DNA fragmentation in varicocele?**
 Erata G. O., Kucukgergin C., Aktan G., Kadioglu A., Uysal M., Kocak-Toker N.
ASIAN JOURNAL OF ANDROLOGY, vol.15, no.4, pp.518-522, 2013 (SCI-Expanded)
- XI. **Mystery of idiopathic male infertility: is oxidative stress an actual risk?**
 Aktan G., Dogru-Abbasoglu S., Kucukgergin C., Kadioglu A., Ozdemirler-Erata G., Kocak-Toker N.
FERTILITY AND STERILITY, vol.99, no.5, pp.1211-1215, 2013 (SCI-Expanded)
- XII. **The effect of carnosine pretreatment on oxidative stress and hepatotoxicity in binge ethanol administered rats**
 Artun B. C., Kusku-Kiraz Z., Gulluoglu M., Cevikbas U., Kocak-Toker N., Uysal M.
HUMAN & EXPERIMENTAL TOXICOLOGY, vol.29, no.8, pp.659-665, 2010 (SCI-Expanded)
- XIII. **Effect of Artichoke Leaf Extract on Hepatic and Cardiac Oxidative Stress in Rats Fed on High Cholesterol Diet**
 Kucukgergin C., Aydin A. F., Ozdemirler-Erata G., Mehmetcik G., Kocak-Toker N., Uysal M.
BIOLOGICAL TRACE ELEMENT RESEARCH, no.1-3, pp.264-274, 2010 (SCI-Expanded)
- XIV. **The effect of carnosine treatment on prooxidant-antioxidant balance in liver, heart and brain tissues of male aged rats**
 Aydin A. F., Kucukgergin C., Ozdemirler-Erata G., Kocak-Toker N., Uysal M.
BIOGERONTOLOGY, no.1, pp.103-109, 2010 (SCI-Expanded)
- XV. **Effect of carnosine against thioacetamide-induced liver cirrhosis in rat**
 Aydin A. F., Kusku-Kiraz Z., Dogru-Abbasoglu S., Gulluoglu M., Uysal M., Kocak-Toker N.
PEPTIDES, no.1, pp.67-71, 2010 (SCI-Expanded)
- XVI. **THE EFFECT OF CARNOSINE ON OXIDATIVE STRESS PARAMETERS IN DIFFERENT TISSUES OF AGED RATS**
 Aydin A. F., Kucukgergin C., Ozdemirler-Erata G., Kocak-Toker N., Uysal M.
IUBMB LIFE, vol.61, no.3, pp.324, 2009 (SCI-Expanded)
- XVII. **Effect of taurine treatment on pro-oxidant-antioxidant balance in livers and brains of old rats**
 Parildar-Karpuzoglu H., MEHMETCIK G., Ozdemirler-Erata G., Dogru-Abbasoglu S., Kocak-Toker N., Uysal M.
PHARMACOLOGICAL REPORTS, no.5, pp.673-678, 2008 (SCI-Expanded)
- XVIII. **Effect of pretreatment with artichoke extract on carbon tetrachloride-induced liver injury and oxidative stress**
 Mehmetcik G., Oezdemirler G., Kocak-Toker N., Cevikbas U., Uysal M.
EXPERIMENTAL AND TOXICOLOGIC PATHOLOGY, vol.60, no.6, pp.475-480, 2008 (SCI-Expanded)
- XIX. **The role of heat shock protein 70 (Hsp 70) in male infertility: is it a line of defense against sperm DNA fragmentation?**
 Erata G. O., Toker N. K., Durlanik O., Kadioglu A., Aktan G., Toker G. A.
FERTILITY AND STERILITY, vol.90, no.2, pp.322-327, 2008 (SCI-Expanded)
- XX. **Role of carnosine in preventing thioacetamide-induced liver injury in the rat**
 Mehmetcik G., Ozdemirler G., Kocak-Toker N., Cevikbas U., Uysal M.

- PEPTIDES, vol.29, no.3, pp.425-429, 2008 (SCI-Expanded)
- XXI. **Lipid peroxidation potential and antioxidants in the heart tissue of beta-alanine- or taurine-treated old rats**
Parildar H., Dogru-Abbasoglu S., MEHMETCIK G., Oziemirler G., Kocak-Toker N., Uysal M.
JOURNAL OF NUTRITIONAL SCIENCE AND VITAMINOLOGY, no.1, pp.61-65, 2008 (SCI-Expanded)
- XXII. **Peroxynitrite induced decrease in Na⁺, K⁺-ATPase activity is restored by taurine**
Kocak-Toker N., Giris M., Tulubas F., Uysal M., Aykac-Toker G.
WORLD JOURNAL OF GASTROENTEROLOGY, vol.11, no.23, pp.3554-3557, 2005 (SCI-Expanded)
- XXIII. **Betaine or taurine administration prevents fibrosis and lipid peroxidation induced by rat liver by ethanol plus carbon tetrachloride intoxication**
ERMAN F., BALKAN J., CEVIKBAS U., Kocak-Toker N., Uysal M. M.
AMINO ACIDS, vol.27, no.2, pp.199-205, 2004 (SCI-Expanded)
- XXIV. **The effect of betaine treatment on triglyceride levels and oxidative stress in the liver of ethanol-treated guinea pigs**
Balkan J., Oztezcan S., Kucuk M., Cevikbas U., Kocak-Toker N., Uysal M. M.
EXPERIMENTAL AND TOXICOLOGIC PATHOLOGY, vol.55, no.6, pp.505-509, 2004 (SCI-Expanded)
- XXV. **The role of Na,K-ATPase in human sperm motility**
Kocak-Toker N., Aktan G., AYKAC-TOKER G.
INTERNATIONAL JOURNAL OF ANDROLOGY, vol.25, no.3, pp.180-185, 2002 (SCI-Expanded)
- XXVI. **Effect of peroxy nitrite on glutaredoxin**
AYKAC-TOKER G., BULGURCUOGLU S., Kocak-Toker N.
HUMAN & EXPERIMENTAL TOXICOLOGY, vol.20, no.7, pp.373-376, 2001 (SCI-Expanded)
- XXVII. **In vitro effects of peroxy nitrite on human spermatozoa**
OZTEZCAN S., Turkoglu U., KERVANCIOLU E., Kocak T., Kocak-Toker N., AYKAC-TOKER G.
ANDROLOGIA, vol.31, no.4, pp.195-198, 1999 (SCI-Expanded)
- XXVIII. **Effect of vitamin C on glutathione and lipid peroxide levels in rats exposed to water-immersion stress.**
ALPTEKIN N., SEÇKİN G. Ş., DOĞRU-ABBASOĞLU S., KOÇAK-TOKER B. N., CEVIKBAS U., UYSAL M. M.
MEDICAL SCIENCE RESEARCH, vol.26, no.9, pp.595-597, 1998 (SCI-Expanded)
- XXIX. **Effect of vitamin C on glutathione and lipid peroxide levels in rats exposed to water-immersion restraint stress**
ALPTEKIN N., SECKIN S., DOGRU-ABBASOGLU S., Kocak-Toker N., CEVIKBAS U., UYSAL M.
MEDICAL SCIENCE RESEARCH, no.9, pp.595-597, 1998 (SCI-Expanded)
- XXX. **Mitochondrial lipid peroxidation and antioxidant system in aged rats**
Dogru-Abbasoglu S., UGURNAL B., TAMER-TOPTANI S., AKDENIZ S., AYKAC-TOKER G., Kocak-Toker N., Uysal M. M.
ARCHIVES OF GERONTOLOGY AND GERIATRICS, vol.27, no.1, pp.35-40, 1998 (SCI-Expanded)
- XXXI. **Lipid peroxidation and antioxidant enzymes in livers and brains of aged rats**
DOGRUABBASOGLU S., TAMERTOPTANI S., UGURNAL B., KocakToker N., AYKACTOKER G., UYSAL M.
MECHANISMS OF AGEING AND DEVELOPMENT, no.2, pp.177-180, 1997 (SCI-Expanded)
- XXXII. **The effect of chronic stress on hepatic and gastric lipid peroxidation in long-term depletion of glutathione in rats**
Seckin S., ALPTEKIN N., DogruAbbasoglu S., KocakToker N., TOKER G., Uysal M. M.
PHARMACOLOGICAL RESEARCH, no.1, pp.55-57, 1997 (SCI-Expanded)
- XXXIII. **Lipid peroxides, glutathione, gamma-glutamylcysteine synthetase and gamma-glutamyltranspeptidase activities in several tissues of rats following water-immersion stress**
ALPTEKIN N., SEÇKİN S., DOGRUABBASOGLU S., YELKENCI F. K., KocakToker N., TOKER G., UYSAL M.
PHARMACOLOGICAL RESEARCH, no.3-4, pp.167-169, 1996 (SCI-Expanded)
- XXXIV. **HEPATIC GAMMA-GLUTAMYL CYSTEINE SYNTHETASE AND GAMMA-GLUTAMYL-TRANSPEPTIDASE ACTIVITIES IN GALACTOSAMINE TREATED RATS**
SECKIN S., ALPTEKIN N., KOCAKTOKER N., UYSAL M., AYKACTOKER G.
RESEARCH COMMUNICATIONS IN MOLECULAR PATHOLOGY AND PHARMACOLOGY, vol.87, no.2, pp.237-240, 1995

- (SCI-Expanded)
- XXXV. **EFFECT OF DEPLETION OF GLUTATHIONE BY BUTHIONINE SULFOXIMINE ON LIPID-PEROXIDATION IN RATS ACUTELY TREATED WITH ETHANOL**
KOCAKTOKER N., MUTLUTURKOGLU U., ALPTEKIN N., UYSAL M.
INTERNATIONAL JOURNAL OF BIOCHEMISTRY, vol.25, no.12, pp.1765-1768, 1993 (SCI-Expanded)
- XXXVI. **SPECIES-DIFFERENCE IN PLASMA ANTIOXIDANT ACTIVITY**
KOCAKTOKER N., AYRIBAS D., UYSAL M. M.
COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY C-PHARMACOLOGY TOXICOLOGY & ENDOCRINOLOGY, vol.104, no.3, pp.387-388, 1993 (SCI-Expanded)
- XXXVII. **The role of lipid peroxidation and calcium in galactosamine induced toxicity in the rat liver**
SECKIN S., Kocak-Toker N., UYSAL M., OZ B.
Research Communications in Chemical Pathology and Pharmacology, vol.80, no.1, pp.117-120, 1993 (SCI-Expanded)
- XXXVIII. **Lipid peroxide and glutathione levels in the liver and its subcellular fractions of alloxan diabetic rats**
SECKIN S., ALPTEKIN N., Kocak-Toker N., UYSAL M.
Hormone and Metabolic Research, vol.25, no.8, pp.444-445, 1993 (SCI-Expanded)
- XXXIX. **RED-CELL LIPID-PEROXIDATION AND ANTIOXIDANT SYSTEM IN CHRONIC-RENAL-FAILURE PATIENTS TREATED WITH RECOMBINANT-HUMAN-ERYTHROPOIETIN**
BOZFAKIOGLU S., ALPTEKIN N., SECKIN S., ARK E., KOCAKTOKER N.
NEPHRON, vol.61, no.2, pp.228-229, 1992 (SCI-Expanded)
- XL. **THE ANTIOXIDANT ACTIVITY OF HUMAN SEMEN**
KOCAK T., UNAL T. C., TOKER N. Y.
CLINICA CHIMICA ACTA, vol.192, no.2, pp.153-154, 1990 (SCI-Expanded)
- XLI. **ERYTHROCYTE CA-2+-ATPASE ACTIVITY AFTER GLUTATHIONE DEPLETION BY CONJUGATION WITH 1-CHLORO-2,4-DINITROBENZENE**
KOCAKTOKER N., SECKIN S., UYSAL M. M.
BIOCHEMICAL ARCHIVES, vol.6, no.3, pp.295-299, 1990 (SCI-Expanded)
- XLII. **THE EFFECT OF CHRONIC ETHANOL INGESTION ON BRAIN LIPID PEROXIDE AND GLUTATHIONE LEVELS IN RATS**
UYDAL M. M., KEYERUYDAL M., KOCAKTOKER N., AYKAC G.
DRUG AND ALCOHOL DEPENDENCE, vol.18, no.1, pp.73-75, 1986 (SCI-Expanded)
- XLIII. **LIPID-PEROXIDATION IN LIVER AND PLASMA OF RATS TREATED WITH BENZENE**
UYDAL M., YALCIN A., KOCAKTOKER N., KEYERUYDAL M., AYKAC G.
IRCS MEDICAL SCIENCE-BIOCHEMISTRY, vol.14, no.8, pp.772, 1986 (SCI-Expanded)
- XLIV. **STIMULATION OF LIPID-PEROXIDATION AND IMPAIRMENT OF GLUTATHIONE-DEPENDENT DEFENSE SYSTEM IN THE LIVER OF RATS REPEATEDLY TREATED WITH CARBON-TETRACHLORIDE**
YALCIN A., KOCAKTOKER N., UYSAL M. M., AYKAC G., SIVAS A., OZ H.
JOURNAL OF APPLIED TOXICOLOGY, vol.6, no.4, pp.303-306, 1986 (SCI-Expanded)
- XLV. **LIPID-PEROXIDATION IN LIVER, PLASMA, AND ERYTHROCYTES OF RATS CHRONICALLY TREATED WITH ETHANOL**
UYDAL M., AYKAC G., KOCAKTOKER N., SIVAS A., YALCIN S., OZ H.
BIOCHEMICAL MEDICINE, vol.34, no.3, pp.370-372, 1985 (SCI-Expanded)
- XLVI. **INFLUENCE OF CARBON TETRACHLORIDE-ETHANOL TREATMENT ON HEPATIC LIPID-PEROXIDATION AND GLUTATHIONE-DEPENDENT ENZYMES IN RATS**
YALCIN A., KOCAKTOKER N., UYSAL M., AYKAC G., SIVAS A., OZ H.
IRCS MEDICAL SCIENCE-BIOCHEMISTRY, vol.13, no.11, pp.1143-1144, 1985 (SCI-Expanded)
- XLVII. **THE EFFECT OF CHRONIC ETHANOL INGESTION ON HEPATIC LIPID PEROXIDE, GLUTATHIONE, GLUTATHIONE-PEROXIDASE AND GLUTATHIONE TRANSFERASE IN RATS**
AYKAC G., UYSAL M. M., YALCIN A., KOCAKTOKER N., SIVAS A., OZ H.
TOXICOLOGY, vol.36, no.1, pp.71-76, 1985 (SCI-Expanded)

- XLVIII. INFLUENCE OF ACUTE ETHANOL ADMINISTRATION ON HEPATIC GLUTATHIONE-PEROXIDASE AND GLUTATHIONE TRANSFERASE ACTIVITIES IN THE RAT
 KOCAKTOKER N., UYSAL M., AYKAC G., SIVAS A., YALCIN S., OZ H.
 PHARMACOLOGICAL RESEARCH COMMUNICATIONS, vol.17, no.3, pp.233-239, 1985 (SCI-Expanded)
- XLIX. GLUTATHIONE, GLUTATHIONE-PEROXIDASE AND LIPID-PEROXIDATION IN ERYTHROCYTES OF RATS ACUTELY TREATED WITH ETHANOL
 KOCAKTOKER N., AYKAC G., UYSAL M., SIVAS A., YALCIN S., OZ H.
 IRCS MEDICAL SCIENCE-BIOCHEMISTRY, vol.12, no.9, pp.851-852, 1984 (SCI-Expanded)
- L. EFFECT OF ACUTE ETHANOL INTOXICATION ON THE LIVER LIPID PEROXIDE AND GLUTATHIONE LEVELS IN THE RAT
 KOCAKTOKER N., UYSAL M., AYKAC G., YALCIN S., SIVAS A., OZ H.
 IRCS MEDICAL SCIENCE-BIOCHEMISTRY, vol.11, no.10, pp.915-916, 1983 (SCI-Expanded)
- LI. THE INVITRO CONJUGATION OF ACETALDEHYDE WITH GLUTATHIONE, CYSTEINE AND MERCAPTOPROPIOYGLYVCINE
 UYSAL M., AYKAC G., KOCAKTOKER N., YALCIN S., SIVAS A., OZ H.
 IRCS MEDICAL SCIENCE-BIOCHEMISTRY, vol.11, no.10, pp.879, 1983 (SCI-Expanded)
- LI. THE RELATION BETWEEN LIPID SPECTRUM AND SODIUM CONTENT IN RAT ERYTHROCYTES TREATED WITH SUNFLOWER-SEED OIL
 KOCAKTOKER N., YALCIN S., SIVAS A., UYSAL M., AYKAC G., OZ H.
 IRCS MEDICAL SCIENCE-BIOCHEMISTRY, vol.10, no.12, pp.1011-1012, 1982 (SCI-Expanded)

Articles Published in Other Journals

- I. Effect of binge ethanol treatment on prooxidant-antioxidant balance in rat heart tissue
 Kalaz E. B., Evran B., Develi S., Erata G. ö., Uysal M., Koçak-Toker N.
 Pathophysiology, vol.19, no.1, pp.49-53, 2012 (Scopus)
- II. Glutatyonu tüketilen sığanlarda kronik stresin karaciğer ve mide lipit peroksidasyonu üzerine etkisi
 SEÇKİN G. Ş., ALPTEKİN N., ABBASOĞLU S., TOKER B. N., TOKER G., Uysal M.
 Klinik Gelişim, vol.11, pp.434-435, 1998 (Peer-Reviewed Journal)
- III. Lipid peroxidation in diabetic senile cataract.
 KOÇAK-TOKER B. N., ALPTEKİN N., Manav G., Bilgin L.
 MEDICAL SCIENCE RESEARCH, vol.16, pp.115-116, 1988 (Peer-Reviewed Journal)
- IV. Changes in glutathione content and glutathione S-transferase activities in Mouse liver after carbon tetrachloride intoxication.
 YALCIN A., KOÇAK-TOKER B. N., UYSAL M., SIVAS A., AYKAC G., OZ H.
 IRCS Medical Sciences, vol.10, pp.640, 1982 (Peer-Reviewed Journal)

Books & Book Chapters

- I. Transkripsiyon:RNA Sentezi
 TOKER B. N.
 in: Tibbi Biyokimya, Gürdöl F., Editor, Nobel Tıp Kitapevi Yayınları, İstanbul, pp.163-176, 2015
- II. Genetik Aktivitenin Denetimi
 TOKER B. N.
 in: Tibbi Biyokimya, Gürdöl F., Editor, Nobel Tıp Kitapevi Yayınları, İstanbul, pp.193-202, 2015
- III. Asit-Baz Dengesinin Korunması
 TOKER B. N.
 in: Tibbi Biyokimya, Gürdöl F., Editor, Nobel Tıp Kitapevi Yayınları, İstanbul, pp.537-546, 2015
- IV. Translasyon: Protein Sentezi

- TOKER B. N.
in: Tıbbi Biyokimya, Gürdöl F., Editor, Nobel Tıp Kitapevi Yayınları, İstanbul, pp.177-186, 2015
- V. Oksidatif Fosforillenme
TOKER B. N., OZDEMIRLER-ERATA G.
in: Tıbbi Biyokimya, Gürdöl F., Editor, Nobel Tıp Kitapevi Yayınları, İstanbul, pp.205-222, 2015
- VI. Carnosin protection against liver injury
UYDAL M. M., TOKER B. N., ABBASOĞLU S.
in: Imidazole Dipeptides Chemistry, Analysis, Function and Effects, Preedy VR, Editor, The Royal Society Of Chemistry, Londra, pp.510-527, 2015

Refereed Congress / Symposium Publications in Proceedings

- I. Carnosine protects acetaminophen-induced liver injury via activation of the nuclear erythroid-related factor-2/heme oxygenase-1
ABBASOĞLU S., TOKER B. N., UYSAL M. M.
5th EFML-UEMS European Joint Congress In Laboratory Medicine, Antalya, Turkey, 10 - 13 October 2018, pp.230
- II. Resveratrolün metilglioksal uygulanan sıçanlarda glikasyon ve oksidasyon ürünleri üzerine etkisi.
Yılmaz Z., AYDIN A. F., KALAZ E. B., ABBASOĞLU S., UYSAL M. M., TOKER B. N.
Uluslararası Katılımlı XVI. Klinik Biyokimya Kongresi & IATDMCT Regional Meeting, Aydin, Turkey, 5 - 08 May 2016, pp.98
- III. The effect of curcumin and capsaicin supplementation on fetuin A expression and hepatic fat accumulation in high fat diet fed rats
İYİDOĞAN Y., Seyithanoğlu M., ABBASOĞLU S., Tanrıkuşlu-Küçük S., Koçak H., Beyhan-Öztaş Ş., TOKER B. N.
8th World Congress on Diabetes and Obesity, Riga, Lithuania, 2 - 03 July 2015, pp.133
- IV. TANRIKULU KÜÇÜK SEVDA,Seyithanoğlu Muhammed,İYİDOĞAN YILDIZ,KOÇAK HİKMET,ÖZDAŞ ŞULE,YAPISLAR HANDE,TOKER BEŞARET NECLA (2015). Kurkumin Uygulamasının Yüksek Yağlı Diyetle Beslenen Sıçanlarda Karaciğer Kimaz Aktivitesi ve Fetuin-A Düzeyleri Üzerine Etkisi. 23-26 Nisan 2015
TANRIKULU-KUCUK S., SEYİTHANOĞLU M., İYİDOĞAN Y., Koçak H., BEYHAN-OZDAS S., YAPISLAR H., TOKER B. N.
XV. Ulusal Klinik Biyokimya Kongresi Fethiye,, Muğla, Turkey, 23 - 26 April 2015, pp.74
- V. İdiyopatik erkek infertilitesinde seminal plazmada oksidatif ve nitrozatif stres göstergelerinin değerlendirilmesi.
Küçükgergin C., Giriş M., Aktan G., Kumral A., Abbasoğlu S., Kadıoğlu A., Toker B. N.
XI. Ulusal Klinik Biyokimya Kongresi, Antalya, Turkey, 28 April 2011
- VI. The effect of carnosine on oxidative stres parameters in different tissues of aged rats.
Aydın A. F., Küçükgergin C., Özdemirler G., Toker B. N., Uysal M.
. III. International Congress of Molecular Medicine., İstanbul, Turkey, 05 May 2009
- VII. Erkek infertilitesinde semen kalitesi ile tiyoredoksin redüktaz (TR) ekspresyonu arasındaki ilişkinin incelenmesi
Özdemirler G., Küçükgergin C., Şekerçi Yüksel A., Aktan G., Kadıoğlu A., Toker B. N., Uysal M.
VIII. Ulusal Klinik Biyokimya Kongresi., Muğla, Turkey, 08 May 2008
- VIII. The effect of betaine treatment on liver fibrogenesis and lipid peroxidation
Karabasoglu-Balkan J., Erman F., Cevikbas U., Kocak-Toker N., Uysal M.
32nd Congress of the Federation-of-European-Biochemical-Societies (FEBS), Vienna, Austria, 7 - 12 July 2007, vol.274, pp.293

Supported Projects

TOKER B. N., Project Supported by Higher Education Institutions, Enginar Yaprağı ve Zeytin Yaprağı Ekstrelerinin Yüksek

Yağlı Diyetle Beslenen Farelerde Karaciğer Lipit Düzeyleri ve Oksidatif Stres Üzerine Etkisi, 2012 - 2014
TOKER B. N., Project Supported by Higher Education Institutions, Asetaminofene bağlı karaciğer hasarında N-asetilsistein ve karnozinin hem oksijenaz-1 ve heat shock protein 70 üzerine etkileri, 2008 - 2013
TOKER B. N., Project Supported by Higher Education Institutions, İDİOPATİK ERKEK İNFERTİLİTESİNDE OKSIDATİF HASAR GÖSTERGELERİNİN SPERM VE SEMİNAL VE SEMİNAL PLAZMADA İNCELENMESİ, 2010 - 2012
TOKER B. N., Project Supported by Higher Education Institutions, Deneysel Siroz Modelinde Karnozinin Rolü, 2008 - 2011

Metrics

Publication: 70

Citation (WoS): 1223

Citation (Scopus): 1415

H-Index (WoS): 21

H-Index (Scopus): 22