

## Prof. NESLİHAN BUKAN

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AHB-5470-2022

ScopusID: 6603026009

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### Education Information

Expertise In Medicine, Gazi University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, Turkey 1995 - 1999

Undergraduate, Ankara University, Tıp Fakültesi, Tıp Pr., Turkey 1985 - 1991

### Foreign Languages

English, C1 Advanced

### Research Areas

Medicine

### Academic Titles / Tasks

Professor, Gazi University, Tıp Fakültesi, Temel Tıp Bilimleri, 2010 - Continues

Professor, Florida State University, College Of Medicine, Biomedical Sciences, 2015 - 2015

Associate Professor, Gazi University, Tıp Fakültesi, Temel Tıp Bilimleri, 2005 - 2010

Expert, Gazi University, Tıp Fakültesi, Temel Tıp Bilimleri, 2000 - 2005

Research Assistant, Gazi University, Tıp Fakültesi, Temel Tıp Bilimleri, 1995 - 1999

### Academic and Administrative Experience

Head of Department, Gazi University, Tıp Fakültesi, Temel Tıp Bilimleri, 2019 - 2023

Enstitü Yönetim Kurulu Üyesi, Gazi University, Sağlık Bilimleri Enstitüsü, -, 2018 - 2021

### Advising Theses

Bukan N., Bahçelioğlu M., Deneysel otistik fare modelinde, transauriküler nervus vagus stimülasyonunun pro-inflamatuar

ve antiinflamatuvar sitokinler üzerine etkilerinin incelenmesi, Doctorate, H.GÖK(Student), 2023

BUKAN N., COVID-19 ENFEKSİYONUNA EŞLİK EDEN AKUT BÖBREK HASARINDA METALLOPROTEİNAZ DOKU İNHİBİTÖRÜ-2 (TIMP-2) VE İNSÜLİN BENZERİ BÜYÜME FAKTÖRÜ BAĞLAYICI PROTEİN-7 (IGFBP7) DÜZEYLERİNİN İNCELEMESİ, Postgraduate, D.SERPİL(Student), 2022

BUKAN N., Evaluation Of Changes In Serum Kynurenine Pathway Metabolites, Bdnf And Inflammatory Biomarkers After Electroconvulsive Therapy And Repetitive Transcranial Magnetic Stimulation In Patients With Treatment-Resistant Depression, Expertise In Medicine, D.Niyazi(Student), 2019

BUKAN N., Serebral palsy ve otizmlı çocuklarda beslenme alışkanlıklarının gösterilmesi ve biyokimyasal yaklaşımlarla değerlendirilmesi, Postgraduate, H.GÖK(Student), 2018

BUKAN N., Hafif kognitif bozukluk ve erken evre alzheimer hastalarında yeni oksidatif stres belirteci olarak thiol-disülfid dengesi, iskemi albümin modifikasyonu ve seruloplazmin'in değerlendirilmesi, Doctorate, Y.GÜNDÜZTEPE(Student), 2018

BUKAN N., The Evaluation Of Thiol-Disulfide Balance, Ischemia Albumin Modification And Seruloplazmine As A New Oxidative Stress In Mild Cognitive Impairment And Early Stage Alzheimer S Disease Patients, Doctorate, Y.Gündüztepe(Student), 2018

BUKAN N., Hafif kognitif bozukluk ve erken evre alzheimer hastalarında açlık serum ghrelin ve leptin seviyelerinin ve metabolik etkilerinin incelenmesi, Expertise In Medicine, E.HAN(Student), 2017

BUKAN N., Testis iskemi reperfüzyon modelinde biyokimyasal parametrelerin değerlendirilmesi, Postgraduate, G.KOLSAL(Student), 2012

BUKAN N., Tiroid fonksiyonları ile serum angiopoietin-like protein 3, leptin ve visfatin düzeyleri arasındaki ilişki, Expertise In Medicine, Ü.YILDIZ(Student), 2011

BUKAN N., Examination of Angiopoietin-like protein-4, Neuropeptide Y, Omentin-1 levels of Obese and Nonobese patients with Polycystic Ovary Syndrome, Postgraduate, M.GÜNEŞ(Student), 2011

BUKAN N., THE EFFECT OF USING TIBOLONE AND MENOPAUSE TO BONE TURNOVER MARKERS, Postgraduate, Ö.TOPCU(Student), 2007

BUKAN N., Menopozun ve tibolon kullanımının kemik döğüsü belirteçleri üzerine etkisi, Postgraduate, Ö.TOPCU(Student), 2007

## **Jury Memberships**

Appointment to Academic Staff-Professorship, Appointment Academic Staff, Sağlık Bilimleri Üniversitesi, September, 2022

Appointment to Academic Staff-Professorship, Appointment Academic Staff, Gazi Üniversitesi, June, 2022

Appointment to Academic Staff-Professorship, Appointment Academic Staff, Gazi Üniversitesi, June, 2022

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Kocaeli Üniversitesi, November, 2021

Appointment to Academic Staff-Professorship, Appointment Academic Staff, İzmir Bakırçay Üniversitesi, August, 2021

Appointment to Academic Staff-Professorship, Appointment Academic Staff, İzmir Bakırçay Üniversitesi, August, 2021

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Gazi Üniversitesi, April, 2021

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Kocaeli Üniversitesi, February, 2021

Appointment to Academic Staff-Professorship, Appointment Academic Staff, Zonguldak Bülent Ecevit Üniversitesi, January, 2021

Associate Professor Exam, Associate Professor Exam, Ufuk Üniversitesi, December, 2020

## **Published journal articles indexed by SCI, SSCI, and AHCI**

1. **tVNS alters inflammatory response in adult VPA-induced mouse model of autism: evidence for sexual dimorphism**

Dağıdır H. G., Bukan N., Bahçelioğlu M., Çalikuşu A., Alim E., Akarca Dizakar S. Ö., Abbasoğlu Topa E. G., Belen H. B. FEBS OPEN BIO, vol.1, no.1, pp.1-12, 2024 (SCI-Expanded)

- II. **Nature turning on humanity: earthquake survivors and the importance of laboratory testing**  
Urkmen S. T., YILDIRIM S., BUKAN N.  
FEBS OPEN BIO, pp.49, 2024 (SCI-Expanded)
- III. **The correlation analysis between alterations of serum vitamin D, IL-33 levels, and clinical improvement after narrow-band UVB treatment in vitiligo patients: A case-control study**  
Soyer E., Temel B., BUKAN N., YILMAZ C., GÜLEKON A.  
PHOTODERMATOLOGY PHOTOIMMUNOLOGY & PHOTOMEDICINE, vol.40, no.1, 2024 (SCI-Expanded)
- IV. **Toll-like receptor-4 expression and oxidative stress in ocular rosacea**  
Yeşilirmak N., Bukan N., Kurt B., Fatsa T., Yüzbaşıoğlu S., Zhao M., Hoşbul T., Bourges ., Behar-Cohen F.  
MOLECULAR VISION, vol.29, pp.357-364, 2023 (SCI-Expanded)
- V. **Evaluation of Ocular and Systemic Oxidative Stress Markers in Ocular Rosacea Patients.**  
Yeşilirmak N., Bukan N., Kurt B., Yuzbasioglu S., Zhao M., Rodrigues-Braz D., Aktas A., Behar-Cohen F., Bourges J.  
Investigative ophthalmology & visual science, vol.64, no.13, pp.22, 2023 (SCI-Expanded)
- VI. **A kynurenine pathway enzyme aminocarboxymuconate-semialdehyde decarboxylase may be involved in treatment-resistant depression, and baseline inflammation status of patients predicts treatment response: a pilot study**  
Yilmaz N. S., Sen B., KARADAĞ R. F., ASLAN S., EKMEKÇİ ERTEK İ., Bozkurt A., ÇİÇEK S., Bolu A., Ucar H., Kocak C., et al.  
JOURNAL OF NEURAL TRANSMISSION, vol.129, pp.1513-1526, 2022 (SCI-Expanded)
- VII. **Could urinary kidney injury molecule-1 be a good marker in subclinical acute kidney injury in mild to moderate COVID-19 infection?**  
YAŞAR E., ÖZGER H. S., YETER H. H., YILDIRIM Ç., OSMANOV Z., ÇETİN T. E., AKÇAY Ö. F., BUKAN N., DERİCİ Ü.  
INTERNATIONAL UROLOGY AND NEPHROLOGY, vol.54, no.3, pp.627-636, 2022 (SCI-Expanded)
- VIII. **Intrastromal versus subconjunctival anti-VEGF agents for treatment of corneal neovascularization: a rabbit study**  
Ucgu R. K., Celebi S., Yilmaz N. S., BUKAN N., Ucgul A. Y.  
EYE, vol.35, no.11, pp.3123-3130, 2021 (SCI-Expanded)
- IX. **The evaluation of thiol-disulfite balance, ischemia albumin modification and seruloplazmine as a new oxidative stress in mild cognitive impairment and early stage alzheimer's disease patients**  
Gunduztepe Y., BUKAN N., Zorlu E., Karaman Y., Topkan T. A., Gurbuz N., NEŞELİOĞLU S., EREL Ö.  
JOURNAL OF CLINICAL NEUROSCIENCE, vol.75, pp.188-194, 2020 (SCI-Expanded)
- X. **Comparison of HE 4, CA 125, ROMA score and ultrasound score in the differential diagnosis of ovarian masses**  
Aslan K., ONAN M. A., YILMAZ C., BUKAN N., ERDEM M.  
JOURNAL OF GYNECOLOGY OBSTETRICS AND HUMAN REPRODUCTION, vol.49, no.5, 2020 (SCI-Expanded)
- XI. **Effects of Kinesio Taping on the Relief of Delayed Onset Muscle Soreness: A Randomized, Placebo-Controlled Trial**  
Hazar Kanık Z., Çıtaker S., Demirtas C., Bukan N., Çelik B., Günaydın G.  
JOURNAL OF SPORT REHABILITATION, vol.28, no.8, pp.781-786, 2019 (SCI-Expanded)
- XII. **Serum Total Sialic Acid Level is Elevated in Hypothyroid Patients as an Atherosclerotic Risk Factor**  
Altay M., Karakoç M. A., Cakir N., Demirtas C., Cerit E. T., Akturk M. Y., Ates I., Bukan N., Arslan M.  
JOURNAL OF CLINICAL LABORATORY ANALYSIS, vol.31, no.2, 2017 (SCI-Expanded)
- XIII. **Assessment of bone turnover markers and bone mineral density in normal short boys**  
Aydın Kılıç Z. N., Bideci A., Emeksiz H. C., Celik N., Döğ er E., Bukan N., Yildiz U., Camurdan O. M., Cinaz P.  
JOURNAL OF PEDIATRIC ENDOCRINOLOGY & METABOLISM, vol.28, pp.1321-1326, 2015 (SCI-Expanded)
- XIV. **Examination of angiotensin-like protein 4, neuropeptide Y, omentin-1 levels of obese and non-obese patients with polycystic ovary syndrome**  
Gunes M., BUKAN N.  
GYNECOLOGICAL ENDOCRINOLOGY, vol.31, no.11, pp.903-906, 2015 (SCI-Expanded)

- XV. **Late-stage systemic immune effectors in Plasmodium berghei ANKA infection: biopterin and oxidative stress**  
DOĞRUMAN AL F., ENGİN A. B., BUKAN N., Evirgen-Bostanci S., Ceber K.  
PTERIDINES, vol.26, no.3, pp.105-112, 2015 (SCI-Expanded)
- XVI. **Effects of Long Acting Methylphenidate on Ghrelin Levels in Male Children with Attention Deficit Hyperactivity Disorder: An Open Label Trial**  
Yalcin O., İŞERİ E., BUKAN N., Ercin U.  
KLINIK PSIKOFARMAKOLOJİ BULTENİ-BULLETIN OF CLINICAL PSYCHOPHARMACOLOGY, vol.24, no.2, pp.146-157, 2014 (SCI-Expanded)
- XVII. **THE RELATIONSHIP BETWEEN THYROID FUNCTION AND SERUM LEVELS OF ANGIOPOIETIN-LIKE PROTEIN 3, LEPTIN AND VISFATIN**  
Yildiz U., Bukan N., Aktas B., Toruner F. S.  
ACTA ENDOCRINOLOGICA-BUCHAREST, vol.9, no.2, pp.171-179, 2013 (SCI-Expanded)
- XVIII. **Oxidative stress and tryptophan degradation pattern of acute Toxoplasma gondii infection in mice**  
ENGİN A. B., DOĞRUMAN AL F., Ercin U., Celebi B., Babur C., BUKAN N.  
PARASITOLOGY RESEARCH, vol.111, no.4, pp.1725-1730, 2012 (SCI-Expanded)
- XIX. **Maternal cardiac risks in pre-eclamptic patients**  
BUKAN N., Kandemir O., NAS T., GÜLBAHAR Ö., Unal A., Cayci B.  
JOURNAL OF MATERNAL-FETAL & NEONATAL MEDICINE, vol.25, no.7, pp.912-914, 2012 (SCI-Expanded)
- XX. **Effect of butylated hydroxytoluene (E321) pretreatment versus L-arginine on liver injury after sub-lethal dose of endotoxin administration**  
ENGİN A. B., BUKAN N., Kurukahuecioglu O., Memis L., Engin A.  
ENVIRONMENTAL TOXICOLOGY AND PHARMACOLOGY, vol.32, no.3, pp.457-464, 2011 (SCI-Expanded)
- XXI. **Neutrophil Gelatinase-Associated Lipocalin Levels in Isolated Coronary Artery Ectasia**  
Akyel A., ŞAHİNARSLAN A., Kiziltunc E., Yildiz U., Alsancak Y., AKBOĞA M. K., Yayla C., TOPAL S., BUKAN N., Ozdemir M.  
CANADIAN JOURNAL OF CARDIOLOGY, vol.27, no.6, pp.773-778, 2011 (SCI-Expanded)
- XXII. **Hyperhomocysteinemia Prevalence Among Patients With Venous Thromboembolism**  
KÖKTÜRK N., Kanbay A., AYDOĞDU M., Ozyilmaz E., BUKAN N., Ekim N.  
CLINICAL AND APPLIED THROMBOSIS-HEMOSTASIS, vol.17, no.5, pp.487-493, 2011 (SCI-Expanded)
- XXIII. **The Value of Serum Procalcitonin in Differential Diagnosis of Pulmonary Embolism and Community-Acquired Pneumonia**  
KÖKTÜRK N., Kanbay A., BUKAN N., Ekim N.  
CLINICAL AND APPLIED THROMBOSIS-HEMOSTASIS, vol.17, no.5, pp.519-525, 2011 (SCI-Expanded)
- XXIV. **The relationship of serum erythropoietin level with coronary collateral grade.**  
ŞAHİNARSLAN A., Yalcin R., Kocaman S. A., Ercin U., Tanalp A. C., TOPAL S., BUKAN N., Boyaci B., Cengel A.  
The Canadian journal of cardiology, vol.27, no.5, pp.589-95, 2011 (SCI-Expanded)
- XXV. **Relationship between serum osteoprotegerin, glycemic control, renal function and markers of atherosclerosis in type 2 diabetes**  
Altinova A., Toruner F. S., Akturk M. Y., BUKAN N., YETKİN İ., Cakir N., Arslan M.  
SCANDINAVIAN JOURNAL OF CLINICAL & LABORATORY INVESTIGATION, vol.71, no.4, pp.340-343, 2011 (SCI-Expanded)
- XXVI. **THE RELATIONSHIP OF SERUM SOLUBLE FAS LIGAND LEVEL (SFASL) WITH THE EXTEND OF CORONARY ARTERY DISEASE**  
Sahinarslan A., Boyaci B., Kocaman S., Okyay K., Topal S., Ercin U., Bukan N., Yalcin R., Cengel A.  
INTERNATIONAL JOURNAL OF CARDIOLOGY, vol.147, 2011 (SCI-Expanded)
- XXVII. **The relationship between adipocyte fatty acid binding protein-4, retinol binding protein-4 levels and early diabetic nephropathy in patients with type 2 diabetes**  
Toruner F. S., Altinova A., Akturk M. Y., Kaya M., Arslan E., BUKAN N., Kan E., YETKİN İ., Arslan M.  
DIABETES RESEARCH AND CLINICAL PRACTICE, vol.91, no.2, pp.203-207, 2011 (SCI-Expanded)
- XXVIII. **Consequences of hypoxia-reoxygenation phenomena in patients with obstructive sleep apnea**

**syndrome**

ULUKAVAK ÇİFTÇİ T., KÖKTÜRK O., Demirtas S., GÜLBAHAR Ö., BUKAN N.  
ANNALS OF SAUDI MEDICINE, vol.31, no.1, pp.14-18, 2011 (SCI-Expanded)

- XXIX. **Relation between serum monocyte chemoattractant protein-1 and coronary collateral development.**  
ŞAHİNARSLAN A., Kocaman S. A., TOPAL S., Ercin U., BUKAN N., Yalcin R., Timurkaynak T.  
Coronary artery disease, vol.21, no.8, pp.455-9, 2010 (SCI-Expanded)
- XXX. **The Role of Serum Adhesion Molecules and Vascular Endothelial Growth Factor in Lung Cancer Patients**  
YURDAKUL A. S., Han E. R., BUKAN N., ÖZTÜRK C.  
TURKIYE KLINIKLERI TIP BILIMLERI DERGISI, vol.30, no.4, pp.1214-1219, 2010 (SCI-Expanded)
- XXXI. **Frequency of adiponectin gene polymorphisms in polycystic ovary syndrome and the association with serum adiponectin, androgen levels, insulin resistance and clinical parameters**  
Demirci H., Yilmaz M., ERGÜN M. A., YURTCU E., BUKAN N., Ayvaz G.  
GYNECOLOGICAL ENDOCRINOLOGY, vol.26, no.5, pp.348-355, 2010 (SCI-Expanded)
- XXXII. **Matrix metalloproteinase-9 (MMP-9) in allergic nasal polyps**  
BUĞDAYCI G., Kaymakci M., BUKAN N.  
ACTA HISTOCHEMICA, vol.112, no.1, pp.92-95, 2010 (SCI-Expanded)
- XXXIII. **Apart from the Other Members of PDE Inhibitors' Family, Enoximone Does Not Enhance Renal Ischemic Reperfusion Injury: The Effects of Enoximone on Renal Ischemia Reperfusion**  
Pampal A., Ozen I. O., Demirogullari B., Gol I. H., Guclu M. M., BUKAN N., POYRAZ A., KARABULUT R., Basaklar A. C., Kale N.  
RENAL FAILURE, vol.31, no.10, pp.971-976, 2009 (SCI-Expanded)
- XXXIV. **Lipid peroxidation in nuchal cord cases: implication for fetal distress**  
Onan A., Kurdoglu M., Sancak B., BUKAN N., Yildirim M.  
JOURNAL OF MATERNAL-FETAL & NEONATAL MEDICINE, vol.22, no.3, pp.254-258, 2009 (SCI-Expanded)
- XXXV. **Plasma Visfatin Concentrations in Subjects with Type 1 Diabetes Mellitus**  
Toruner F. S., Altinova A., Bukan N., Arslan E., Akbay E., Ersoy R., Arslan M.  
HORMONE RESEARCH, vol.72, no.1, pp.33-37, 2009 (SCI-Expanded)
- XXXVI. **Serum resistin and adiponectin levels in women with polycystic ovary syndrome**  
Yilmaz M., BUKAN N., Demirci H., Ozturk C., Kan E., Ayvaz G., Arslan M.  
GYNECOLOGICAL ENDOCRINOLOGY, vol.25, no.4, pp.246-252, 2009 (SCI-Expanded)
- XXXVII. **Serum big endothelin-1 levels in female patients with breast cancer**  
Yildirim Y., GÜNEL N., Coskun U., Sancak B., BUKAN N., Aslan S., Cetin A.  
INTERNATIONAL IMMUNOPHARMACOLOGY, vol.8, no.8, pp.1119-1123, 2008 (SCI-Expanded)
- XXXVIII. **Vascular endothelial growth factor and carotid intima-media thickness in patients with Behcet's disease**  
Ozturk M. A., Unverdi S., ÖZHAN OKTAR S., BUKAN N., GÜLBAHAR Ö., Ureten K., GÖKER B., HAZNEDAROĞLU Ş., Sungur G., ULUKAVAK ÇİFTÇİ T., et al.  
CLINICAL RHEUMATOLOGY, vol.27, no.8, pp.961-966, 2008 (SCI-Expanded)
- XXXIX. **Serum IL-18 levels in patients with type 1 diabetes: Relations to metabolic control and microvascular complications**  
Altinova A., YETKİN İ., AKBAY E., BUKAN N., Arslan M.  
CYTOKINE, vol.42, no.2, pp.217-221, 2008 (SCI-Expanded)
- XL. **The analysis of hormones and enzymes extracted from endocrine glands of the neck region in deaths due to hanging**  
ŞENOL E., DEMİREL B., AKAR T., GÜLBAHAR Ö., Bakar C., BUKAN N.  
AMERICAN JOURNAL OF FORENSIC MEDICINE AND PATHOLOGY, vol.29, no.1, pp.49-54, 2008 (SCI-Expanded)
- XLI. **Comparison of serum adiponectin and tumor necrosis factor-alpha levels between patients with and without obstructive sleep apnea syndrome**  
Kanbay A., KÖKTÜRK O., ULUKAVAK ÇİFTÇİ T., TAVİL Y., BUKAN N.  
RESPIRATION, vol.76, no.3, pp.324-330, 2008 (SCI-Expanded)

- XLII. **Leptin treatment ameliorates acute lung injury in rats with cerulein-induced acute pancreatitis**  
Gultekin F. A., Kerem M., Tatlicioglu E., Aricioglu A., Unsal C., Bukan N.  
WORLD JOURNAL OF GASTROENTEROLOGY, vol.13, no.21, pp.2932-2938, 2007 (SCI-Expanded)
- XLIII. **Decreased plasma adiponectin is associated with insulin resistance and HDL cholesterol in overweight subjects**  
Altinova A., Toruner F. S., BUKAN N., Yasar D. G., Akturk M. Y., Cakir N., Arslan M.  
ENDOCRINE JOURNAL, vol.54, no.2, pp.221-226, 2007 (SCI-Expanded)
- XLIV. **Circulating concentrations of adiponectin and tumor necrosis factor-alpha in gestational diabetes mellitus**  
Altinova A., Toruner F. S., Bozkurt N., Bukan N., Karakoc A., Yetkin İ., Ayvaz G., Cakir N., Arslan M.  
GYNECOLOGICAL ENDOCRINOLOGY, vol.23, no.3, pp.161-165, 2007 (SCI-Expanded)
- XLV. **Importance of cytokines, oxidative stress and expression of BCL-2 in the pathogenesis of non-alcoholic steatohepatitis**  
Torer N., Ozenirler S., ATAK YÜCEL A., Bukan N., ERDEM O. A.  
SCANDINAVIAN JOURNAL OF GASTROENTEROLOGY, vol.42, no.9, pp.1095-1101, 2007 (SCI-Expanded)
- XLVI. **Biochemical and hormonal composition, cytological examination of thyroid cyst fluid, and comparison according to gender and color of cyst fluid**  
Demirci H., Erdamar H., Bukan N., Dikmen K., Karakoc A., Arslan M.  
CLINICAL CHEMISTRY AND LABORATORY MEDICINE, vol.45, no.11, pp.1517-1522, 2007 (SCI-Expanded)
- XLVII. **Melatonin protects against epirubicin-induced cardiotoxicity**  
Güven A., Yavuz O., Cam M., Ercan F., Bukan N., Comunoglu C.  
ACTA HISTOCHEMICA, vol.109, no.1, pp.52-60, 2007 (SCI-Expanded)
- XLVIII. **NO<sub>2</sub>/NO<sub>3</sub> plasma profile under different parenteral nutrition regimens in newborns**  
Dalgic N., Hasanoglu A., Tümer L., Koc E., Ergenekon E., Cinasal G., Bukan N.  
ANNALS OF NUTRITION AND METABOLISM, vol.51, no.1, pp.22-26, 2007 (SCI-Expanded)
- XLIX. **Effect of melatonin on healing of colonic anastomosis in a rat model of peritonitis**  
Ozen I. O., EKİNGEN YILDIZ G., Taslipinar M. Y., Bukan N., Demirogullari B., Karabulut R., Sonmez K., Basaklar A. C., Kale N.  
EUROPEAN SURGICAL RESEARCH, vol.39, no.2, pp.122-127, 2007 (SCI-Expanded)
- L. **The effect of the sulfonylurea glyburide on glutathione-S-transferase and glucose-6-phosphate dehydrogenase in streptozotocin-induced diabetic rat liver**  
Bugdayci G., Altan N., Sancak B., Bukan N., Kosova F.  
ACTA DIABETOLOGICA, vol.43, no.4, pp.131-134, 2006 (SCI-Expanded)
- LI. **The role of adhesion molecules in renal cell cancers Böbrek hücrelikanserlerde adezyon moleküllerinin yeri**  
POLAT F., Sözen S., Acar C., BUKAN N., Coşkun U., Bozkirli I.  
Turk Uroloji Dergisi, vol.32, no.4, pp.458-461, 2006 (SCI-Expanded)
- LII. **Adiponectin levels and cardiovascular risk factors in hypothyroidism and hyperthyroidism**  
Altinova A., Toeruener F. S., Aktuerk M. Y., Bukan N., Cakir N., Ayvaz G., Arslan M.  
CLINICAL ENDOCRINOLOGY, vol.65, no.4, pp.530-535, 2006 (SCI-Expanded)
- LIII. **Regulation of fibrogenesis during the early phase of common bile duct obstruction**  
Engin A., Dincer S., Ercan S., Memis L., Bukan N., Bozkurt S.  
ANZ JOURNAL OF SURGERY, vol.76, no.7, pp.645-648, 2006 (SCI-Expanded)
- LIV. **Effect of nitric oxide on the hypoglycaemic phase of endotoxaemia**  
Engin A., Zemheri M., Bukan N., Memis L.  
ANZ JOURNAL OF SURGERY, vol.76, no.6, pp.512-517, 2006 (SCI-Expanded)
- LV. **Serum P-selectin, soluble vascular cell adhesion molecule-I (s-VCAM-I) and soluble intercellular adhesion molecule-I (s-ICAM-I) levels in bladder carcinoma patients with different stages**  
Coskun U., Sancak B., Sen İ., Bukan N., Tufan M., Gulbahar Ö., Sozen S.  
INTERNATIONAL IMMUNOPHARMACOLOGY, vol.6, no.4, pp.672-677, 2006 (SCI-Expanded)
- LVI. **A comparative study of the effects of hemin and bilirubin on bilateral renal ischemia reperfusion**

## **injury**

Demirogullari B., Ekingen G., Guz G., Bukan N., ERDEM O. A., Ozen I. O., Memis L., Sert S.  
NEPHRON EXPERIMENTAL NEPHROLOGY, vol.103, no.1, pp.1-5, 2006 (SCI-Expanded)

- LVII. **Effects of melatonin on streptozotocin-induced diabetic liver injury in rats**  
Güven A., Yavuz O., Cam M., Ercan F., Bukan N., Comunoglu C., Gokce F.  
ACTA HISTOCHEMICA, vol.108, no.2, pp.85-93, 2006 (SCI-Expanded)
- LVIII. **The effects of rosiglitazone and metformin on oxidative stress and homocysteine levels in lean patients with polycystic ovary syndrome.**  
Yilmaz M., Bukan N., Ayvaz G., Karakoc A., Toruner F. S., Cakir N., Arslan M.  
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COŞKUN U., BUKAN N., ÇAYCI SİVRİ A. B., ÜNAL A., GÜNEL N., ÖZENİRLER MAYER S., ATAK YÜCEL A.

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## **Supported Projects**

Bahçelioğlu M., Belen H. B., Bukan N., Şahin K., Atalar K., Akarca Dizakar S. Ö., Alim E., Gök Dağdır H., Erten F., Project Supported by Higher Education Institutions, Effects of transauricular vagal nerve stimulation on pro and antiinflammatory cytokines in LPS induced cytokines storm model, 2022 - 2024

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TÜRKOĞLU M. A., EKİNCİ Ö., BUKAN N., Project Supported by Higher Education Institutions, PARSİYEL HEPATEKTOMİ SONRASI LİKOPENİN KARACİĞER REJENERASYONU ÜZERİNE ETKİSİ, 2019 - 2022

BUKAN N., Project Supported by Higher Education Institutions, Medikal Tedaviye Dirençli Majör Depresif Bozukluk Tanılı Hastalarda Triptofan, Kinürenin Yolağı Metabolitleri, BDNF ve İnflamatuar Belirteçlerin Serum Düzeylerinin Elektrokonvülsif Terapi ve Tekrarlanan Transkranyal Manyetik Stimülasyon Tedavisi Sonrasında Değişiminin Değerlendirilmesi, 2018 - 2019

BUKAN N., Project Supported by Higher Education Institutions, TÜKETİCİ EGZERSİZ YAPTIRILAN SIÇANLARIN KALP DOKULARINDA, OKSİDATİF VE İNFLAMATUVAR SÜREÇ İLE PARAOKSONAZ 1 ENZİM AKTİVİTESİ ARASINDAKİ İLİŞKİNİN BELİRLENMESİ, 2017 - 2019

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## Metrics

Publication: 141

Citation (WoS): 2107

Citation (Scopus): 2394

H-Index (WoS): 26

H-Index (Scopus): 27

## Congress and Symposium Activities

2. GAZİ TIP BİYOKİMYA GÜNLERİ: "İNFLAMASYONA MULTİDİSİPLİNER YAKLAŞIM SEMPOZYUMU", Invited Speaker, Ankara, Turkey, 2022

2. GAZİ TIP BİYOKİMYA GÜNLERİ: "İNFLAMASYONA MULTİDİSİPLİNER YAKLAŞIM SEMPOZYUMU", Moderator, Ankara, Turkey, 2022

2. GAZİ TIP BİYOKİMYA GÜNLERİ: "İNFLAMASYONA MULTİDİSİPLİNER YAKLAŞIM SEMPOZYUMU", Session Moderator, Ankara, Turkey, 2022

ULUSLARARASI BİYOKİMYA KONGRESİ 2022 // 33. ULUSAL BİYOKİMYA KONGRESİ, Invited Speaker, İzmir, Turkey, 2022

Türk Klinik Biyokimya Derneği TKBD-ZAMANLA YARIŞMAK-ACİL LABORATUVAR SEMPOZYUMU, Attendee, Şanlıurfa, Turkey, 2022

## Non Academic Experience

Florida State University

Dr. Muhittin Ülker Acil yrd. ve trav. hastanesi