

## Prof. ESMA GÜR

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AAG-7327-2021

ScopusID: 7801407302

Yoksis Researcher ID: 1334

### Education Information

Expertise In Medicine, Istanbul University, Tıp Fakültesi, Turkey 1987 - 1990

Undergraduate, Istanbul University, Tıp Fakültesi, Turkey 1980 - 1986

### Foreign Languages

English, C1 Advanced

### Research Areas

Health Sciences

### Academic Titles / Tasks

Assistant Professor, Istanbul University, Sağlık Hizmetleri Meslek Yüksekokulu, Tıbbi Hizmetler Ve Teknikler Bölümü, 1990 - 1992

Expert, Istanbul University, Istanbul Medical Faculty, Basic Medical Sciences, 1987 - 1990

### Academic and Administrative Experience

Bursa Uludağ University, TIP FAKÜLTESİ, Temel Tıp Bilimleri Bölümü, 2012 - Continues

Bursa Uludağ University, TIP FAKÜLTESİ, Temel Tıp Bilimleri Bölümü, 2010 - Continues

### Courses

TIP BİLİMLERİ II, Undergraduate, 2022 - 2023

TIP BİLİMLERİ I, Undergraduate, 2022 - 2023

Tıp Bilimleri Dersi I, Undergraduate, 2022 - 2023

BİYOKİMYA, Undergraduate, 2022 - 2023  
Vitaminlerin biyokimyasal işlevi, Undergraduate, 2022 - 2023  
TIP BİLİMLERİ I, Undergraduate, 2022 - 2023  
BİYOKİMYA, Undergraduate, 2022 - 2023  
TIP 1078, Undergraduate, 2017 - 2018, 2016 - 2017

## Advising Theses

GÜR E., Preeklampsinin erken tahmininde birinci trimester tarama testleri ile serum PP-13 ve MDA düzeylerinin değerlendirilmesi, Expertise In Medicine, B.ASILTAŞ(Student), 2014  
GÜR E., B12 vitamini ve holotranskobalamin düzeylerinin serum lipid peroksidasyonu ile ilişkisi, Expertise In Medicine, F.SÖNMEZİŞİK(Student), 2009  
GÜR E., Obstrüktif uyku apne sendromlu hastalarda bazı oksidatif stres belirteçleri ve adiponektin düzeylerinin değerlendirilmesi, Expertise In Medicine, E.VATANSEVER(Student), 2007  
GÜR E., Tirozin, triiodotironin ve tiroksinin antioksidan etkinliğinin in vitro ve in vivo ortamlarda araştırılması, Expertise In Medicine, M.ÇOLAKOĞULLARI(Student), 2003

## Jury Memberships

Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Bursa Uludağ Üniversitesi, October, 2023  
Associate Professor Exam, Associate Professor Exam, Bursa Uludağ University, October, 2023  
Expertise In Medicine, Expertise In Medicine, Bursa Uludağ Üniversitesi, August, 2023  
Expertise In Medicine, Expertise In Medicine, Bursa Uludağ Üniversitesi, June, 2023  
Expertise In Medicine, Expertise In Medicine, Bursa Uludağ Üniversitesi, April, 2023  
Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Bursa Uludağ Üniversitesi, January, 2023  
Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Bursa Uludağ Üniversitesi, January, 2023  
Expertise In Medicine, Expertise In Medicine, Bursa Uludağ Üniversitesi, December, 2022  
Associate Professor Exam, Associate Professor Exam, Bursa Uludağ Üniversitesi, December, 2022  
Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Bursa Uludağ Üniversitesi, December, 2022  
Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Bursa Uludağ Üniversitesi, August, 2022

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

- I. **Effects of vitamin C supplementation on oxidative stress and serum paraoxonase/arylesterase activities in patients on long-term hemodialysis Efectos de la suplementación con vitamina C sobre el estrés oxidativo y las actividades de paraoxonasa/arilesterasa sérica en pacientes en hemodiálisis a largo plazo**  
Sarandöl E., Erdinc S., Senol E., Ersoy A., Surmen-Gur E.  
Nefrologia, vol.43, no.3, pp.351-359, 2023 (SCI-Expanded)
- II. **IMPORTANCE OF HOLOTRANSCOBALAMIN (HOLOTC) MEASUREMENTS IN EARLY DIAGNOSIS OF COBALAMIN DEFICIENCY, ESPECIALLY IN PATIENTS WITH BORDERLINE VITAMIN B-12 CONCENTRATIONS**  
Sonmezisik F., GÜR E., Asiltas B.

NOBEL MEDICUS, vol.9, no.2, pp.15-20, 2013 (SCI-Expanded)

- III. **Importance of holotranscobalamin (holoTC) measurements in early diagnosis of cobalamin deficiency, especially in patients with borderline vitamin B12 concentrations Kobalamin eksikliđinin erken tanisinda, özellikle vitamin B12 düzeyleri sinirda olan hastalarda, holotranskobalamin (holoTC) ölçümünün önemi**  
Sönmezişik F., Gür E., Asiltaş B.  
Nobel Medicus, vol.9, no.2, pp.15-20, 2013 (SCI-Expanded)
- IV. **Obstructive sleep apnea causes oxidative damage to plasma lipids and proteins and decreases adiponectin levels**  
Vatansever E., Surmen-Gur E., Ursavaş A., Karadađ M.  
SLEEP AND BREATHING, vol.15, no.3, pp.275-282, 2011 (SCI-Expanded)
- V. **Serum iron and copper status and oxidative stress in severe and mild preeclampsia**  
Serdar Z., Gur E., Develiđlu O.  
CELL BIOCHEMISTRY AND FUNCTION, vol.24, no.3, pp.209-215, 2006 (SCI-Expanded)
- VI. **Chronic black tea administration protects plasma proteins, plasma, liver and kidney lipids against oxidation**  
Surmen-Gur E., Gulden T., Serdar Z., Colakogullari M.  
Medical Science Monitor, vol.12, no.3, 2006 (SCI-Expanded)
- VII. **Influence of acute exercise on oxidative stress in chronic smokers**  
Sürmen-Gür E., Erdinc A., Serdar Z., Gür H.  
Journal of Sports Science and Medicine, vol.2, no.3, pp.98-105, 2003 (SCI-Expanded)
- VIII. **Hypertonic saline dextran alleviates hepatic injury in hypovolemic rats undergoing porta hepatis occlusion.**  
Ozguc H., Tokyay R., Kahveci N., Serdar Z., Gur E.  
Shock (Augusta, Ga.), vol.19, no.4, pp.383-7, 2003 (SCI-Expanded)
- IX. **Oxothiazolidine carboxylate provides protection against hepatocellular injury seen after porta hepatis occlusion (Pringle maneuver) under hypovolemic conditions.**  
Ozguc H., Tokyay R., Kahveci N., Serdar Z., Gur E., Korfali E.  
World journal of surgery, vol.27, no.4, pp.448-54, 2003 (SCI-Expanded)
- X. **Exercise-induced oxidative stress and muscle performance in healthy women: role of vitamin E supplementation and endogenous oestradiol**  
Akova B., Surmen-Gur E., Gur H., Dirican M., Sarandol E., Kucukoglu S.  
EUROPEAN JOURNAL OF APPLIED PHYSIOLOGY, vol.84, no.1-2, pp.141-147, 2001 (SCI-Expanded)
- XI. **Lipid peroxidation and antioxidant status in beta-thalassemia**  
Meral A., Tuncel P., Surmen-Gur E., Ozbek R., Ozturk E., Gunay U.  
PEDIATRIC HEMATOLOGY AND ONCOLOGY, vol.17, no.8, pp.687-693, 2000 (SCI-Expanded)
- XII. **Maximal cardiorespiratory capacity in young sedentary male chronic smokers**  
Gur H., Punduk Z., Akova B., Surmen-Gur E.  
RESPIRATION, vol.67, no.4, pp.474, 2000 (SCI-Expanded)
- XIII. **L-glutamine enemas attenuate mucosal injury in experimental colitis**  
Kaya E., Gur E., Ozguc H., Bayer A., Tokyay R.  
Diseases of the Colon and Rectum, vol.42, no.9, pp.1209-1215, 1999 (SCI-Expanded)
- XIV. **Effect of vitamin E supplementation on post-exercise plasma lipid peroxidation and blood antioxidant status in smokers: with special reference to haemoconcentration effect**  
Surmen-Gur E., Ozturk E., Gur H., Punduk Z., Tuncel P.  
EUROPEAN JOURNAL OF APPLIED PHYSIOLOGY, vol.79, no.6, pp.472-478, 1999 (SCI-Expanded)
- XV. **Prostaglandin synthetase inhibition reduces peritonitis-induced early liver oxidant stress**  
Tokyay R., Kaya E., Gur E., Tuncel P., Ozbek R., Ozturk E.  
SURGERY TODAY-THE JAPANESE JOURNAL OF SURGERY, vol.29, no.1, pp.42-46, 1999 (SCI-Expanded)
- XVI. **Effects of vitamin E and cimetidine on peritonitis-induced lipid peroxidation**  
Tuncel P., Gur E., Kaya E., Ozbek R., Ozturk E., Tokyay R.

- RESEARCH IN EXPERIMENTAL MEDICINE, vol.197, no.4, pp.235-241, 1997 (SCI-Expanded)
- XVII. **Fetal intestinal transplant as an accessory enteral segment**  
Güvenç B., Salman T., Tokar B., Sürmen E., Altuğ T., Çelik A.  
Pediatric Surgery International, vol.12, pp.367-369, 1997 (SCI-Expanded)
- XVIII. **EFFECTS OF AGE, TRAINING BACKGROUND AND DURATION OF RUNNING ON ABNORMAL URINARY FINDINGS AFTER A HALF-MARATHON RACE**  
GUR H., KUCUKOGLU S., SURMEN E., MUFTUOGLU A.  
BRITISH JOURNAL OF SPORTS MEDICINE, vol.28, no.1, pp.61-62, 1994 (SCI-Expanded)
- XIX. **Accessory enteric nutrition**  
Guvenc B., Salman T., Surmen E., Savci N., Celik A., Altug T.  
Transplantation Proceedings, vol.26, no.3, pp.1649, 1994 (SCI-Expanded)
- XX. **LIVER DELTA-AMINOLEVULINATE DEHYDRATASE ACTIVITY IN AMITRIPTYLINE-TREATED OR CHLORPROMAZINE-TREATED RATS**  
SURMEN E., ERYUREK F.  
TOXICOLOGY, vol.75, no.1, pp.63-69, 1992 (SCI-Expanded)
- XXI. **Relationship of Maternal and Fetal Plasma Ascorbic Acid Levels to Occurrence of Premature Rupture of Membranes**  
Eryürek F. G., Genç S., Sürmen E., Yalçın Ö.  
Journal of Clinical Biochemistry and Nutrition, vol.10, no.3, pp.225-230, 1991 (SCI-Expanded)
- XXII. **GAMMA-GLUTAMYL TRANSPEPTIDASE AND ACETYLCHOLINESTERASE ACTIVITIES IN BRAIN CAPILLARIES OF CHOLESTEROL-FED RABBITS**  
ERYUREK F., SURMEN E., ONER P., ALTUG T., OZ H.  
RESEARCH COMMUNICATIONS IN CHEMICAL PATHOLOGY AND PHARMACOLOGY, vol.69, no.2, pp.245-248, 1990 (SCI-Expanded)
- XXIII. **Activity of gamma-glutamyl transpeptidase in human fetal membranes**  
Yalgin O., Surmen E., Eryurek F.  
Neonatology, vol.56, no.1, pp.1-5, 1989 (SCI-Expanded)
- XXIV. **INFLUENCE OF EICOSAPENTAENOIC ACID AND VITAMIN-E ON HEPATIC HYDROXYPROLINE CONTENT IN RABBITS FED CHOLESTEROL-RICH DIET**  
OMER B., ONER P., ERYUREK F., SURMEN E., ALTUG T.  
INTERNATIONAL JOURNAL FOR VITAMIN AND NUTRITION RESEARCH, vol.59, no.4, pp.396-400, 1989 (SCI-Expanded)
- XXV. **Influence of eicosapentaenoic acid and vitamin E on brain cortex CA<sup>2+</sup> ATPase activity in cholesterol-fed rabbits**  
BEKPINAR S., Oner P., Altug T., Eryurek F., Surmen E., DENİZ G.  
International Journal for Vitamin and Nutrition Research, vol.59, no.2, pp.127-130, 1989 (SCI-Expanded)
- XXVI. **Modulation of gamma-glutamyl transpeptidase activity by dietary eicosapentaenoic acid and vitamin E in livers of rabbits on hypercholesterolemic diet**  
Eryurek F., Surmen E., Omer B., Altug T., Oner P., Deniz G.  
Research Communications in Chemical Pathology and Pharmacology, vol.65, no.3, pp.389-393, 1989 (SCI-Expanded)
- XXVII. **Liver gamma-glutamyl transpeptidase activity in rats following the administration of atherogenic diet**  
Eryurek F., Surmen E., Bekpinar S., Oner P., Oz H.  
Medical Science Research, vol.16, no.22, pp.1191-1192, 1988 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Hyperhomocysteinemia in Treatment with Atypical Antipsychotics is Independent of Metabolic Syndrome**

SARANDÖL E., DEMİRCİ AKGÜN M., SARANDÖL A., GÜR E.

Psikiyatride Güncel Yaklaşımlar-Current Approaches in Psychiatry, vol.15, no.1, pp.46-52, 2023 (Peer-Reviewed Journal)

- II. **The combined performance of fecal calprotectin with fecal occult blood, lymphocyte and neutrophil percentaces in discriminating ulcerative colitis**  
Gür E., Cindemir Ö.  
NOBEL MEDICUS, vol.16, no.3, pp.13-21, 2020 (ESCI)
- III. **The combined performance of fecal calprotectin with fecal occult blood, lymphocyte and neutrophil percentages in discriminating ulcerative colitis Fekal kalprotektinin, gaitada gizli kan, lenfosit ve nötrofil yüzdeleri ile birlikte değerlendirilmesinin ülseratif kolitin ayirici tanısına katkisi**  
GÜR E., Cindemir Ö.  
Nobel Medicus, vol.16, no.3, pp.13-21, 2020 (ESCI)
- IV. **Prediction of first-trimester preeclampsia: Relevance of the oxidative stress marker MDA in a combination model with PP-13, PAPP-A and beta-HCG**  
Asıltaş B., Gür E., Uncu G.  
PATHOPHYSIOLOGY, vol.25, no.2, pp.131-135, 2018 (Scopus)
- V. **Kronik Sigara İçiminin Negatif Eğimde Bisiklet Egzersizi Sonrası Kas Hasarı Üzerine Etkileri**  
AKOVA B., Çağdaş Şenışık S., GÜR H., GÜR E.  
Spor Hekimliği Dergisi, vol.44, no.1, pp.19-29, 2009 (Peer-Reviewed Journal)
- VI. **Lipid and Protein Oxidation and Antioxidant Function in Women with Mild and Severe Preeclampsia**  
Serdar Z., Gür E., Çolakoğulları M., Develioğlu O., Sarandöl E.  
ARCHIVES OF GYNECOLOGY AND OBSTETRICS, vol.268, pp.19-25, 2003 (Scopus)
- VII. **Lecithin cholesterol acyltransferase activity and cholesteryl ester transfer rate in patients with diabetes mellitus**  
DİRİCAN M., SERDAR Z., SARANDÖL E., GÜR E.  
Turk J Med Sci, vol.33, pp.95-0, 2003 (Peer-Reviewed Journal)
- VIII. **Placental and decidual lipid peroxidation and antioxidant defenses in preeclampsia - Lipid peroxidation in preeclampsia**  
Serdar Z., Gür E., Develioğlu O., Çolakoğulları M., Dirican M.  
Pathophysiology, vol.9, no.1, pp.21-25, 2002 (Scopus)
- IX. **Placental and decidual lipid peroxidation and antioxidant defenses in preeclampsia**  
SERDAR Z., GÜR E., DEVELİOĞLU O., ÇOLAKOĞULLARI M., DİRİCAN M.  
Pathophysiology, vol.9, pp.21-0, 2002 (Scopus)
- X. **Vitamin E ve estrodiol'ün egzersizle oluşturulan kas hasarı üzerine olan etkileri**  
AKOVA B., GÜR H., GÜR E., Küçükoğlu S.  
Spor Hekimliği Dergisi, vol.35, no.3, pp.91-102, 2000 (Peer-Reviewed Journal)
- XI. **Effect of chronic lithium treatment on Gamma-Glutamyl transpeptidase activity in rat brain tissue**  
Surmen E., Altug T., Genc S., Eryurek F.  
Lithium, vol.2, no.4, pp.248-250, 1991 (Scopus)
- XII. **Effect of high cholesterol high cholate diet on sialic acid content of the liver tissue in rats**  
ERYUREK F., GÜR E., BEKPINAR S., PERNUR Ö.  
MEDICAL SCIENCE RESEARCH, 1988 (Scopus)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Preeklampsinin erken tanısında PP-13, PAPP\_A ve B-HCG'xxnin MDA ile birlikte kullanıldığı modelin prediktif değeri**  
CİNDEMİR Ö., GÜR E., UNCU G.  
ULUSLARARASI KATILIMLI XVII. ULUSAL BİYOKİMYA KONGRESİ, 4 - 07 May 2017
- II. **Preeklempside Plasental ve Decidual Lipid Peroksidasyonu ve Antioksidan Savunma Sistemleri**

## Supported Projects

MUTLU C., KARACA A., GÜR E., Project Supported by Higher Education Institutions, Major Depresif Bozukluğu Olan Çocuk ve Ergenlerde Kardiyolipin Antikor Serum Düzeyinin Duygudurum Yürütücü İşlevler ve Kan Biyobelirteçleri ile İlişkisi, 2023 - Continues

MİNBAŞ F. Z., HALK K. Z., GÜR E., AKÇAKOCA B., GÖREN B., OY C., Project Supported by Higher Education Institutions, Nesfatin1 peptidinin yenidoğan hiperoksik beyin hasarında bozulan hücresel ve moleküler mekanizmalar üzerine etkisinin araştırılması, 2022 - 2024

GÜR E., ÖZOĞLU E., Project Supported by Higher Education Institutions, Sıçanlarda LPS ile indüklenen sistemik inflamasyonda A vitamini ve n3 PUFA uygulanmasının karaciğer ve böbrek dokularında oksidatif stres TNFalfa ve LCN2 düzeylerine etkisi, 2022 - 2024

GÜR E., Project Supported by Higher Education Institutions, Açıklanamayan İnfertilite Olgularında Kadın ve Erkek Eşlerde Serum, Seminal Sıvı ve Ovaryan Follikül Sıvısında D Vitamini Eksikliğinin ve D Vitamini Reseptör Düzeyinin IVF Başarısına Etkisinin Araştırılması, 2016 - 2020

GÜR E., AVCI B., Project Supported by Higher Education Institutions, Açıklanamayan infertilite olgularında kadın ve erkek eşlerde serum seminal sıvı ve ovaryan follikül sıvısında D vitamini eksikliğinin ve D vitamini reseptör düzeyinin IVF başarısına etkisinin araştırılması, 2016 - 2018

## Activities in Scientific Journals

JOURNAL OF SPORTS SCIENCE AND MEDICINE, Committee Member, 2023 - Continues

## Scientific Refereeing

JOURNAL OF SPORTS SCIENCE AND MEDICINE, Journal Indexed in SCI-E, December 2023

JOURNAL OF SPORTS SCIENCE AND MEDICINE, Journal Indexed in SCI-E, November 2023

LIPIDS, Journal Indexed in SCI-E, October 2023

JOURNAL OF SPORTS SCIENCE AND MEDICINE, Journal Indexed in SCI-E, October 2023

JOURNAL OF SPORTS SCIENCE AND MEDICINE, Journal Indexed in SCI-E, October 2023

JOURNAL OF SPORTS SCIENCE AND MEDICINE, Journal Indexed in SCI-E, September 2023

JOURNAL OF SPORTS SCIENCE AND MEDICINE, Journal Indexed in SCI-E, September 2023

CLINICAL AND EXPERIMENTAL HEALTH SCIENCES, National Scientific Refreed Journal, August 2023

JOURNAL OF SPORTS SCIENCE AND MEDICINE, Journal Indexed in SCI-E, July 2023

JOURNAL OF SPORTS SCIENCE AND MEDICINE, Journal Indexed in SCI-E, June 2023

JOURNAL OF SPORTS SCIENCE AND MEDICINE, Journal Indexed in SCI-E, May 2023

JOURNAL OF SPORTS SCIENCE AND MEDICINE, Journal Indexed in SCI-E, April 2023

JOURNAL OF SPORTS SCIENCE AND MEDICINE, Journal Indexed in SCI-E, April 2023

JOURNAL OF SPORTS SCIENCE AND MEDICINE, Journal Indexed in SCI-E, February 2023

JOURNAL OF SPORTS SCIENCE AND MEDICINE, Journal Indexed in SCI-E, January 2023

JOURNAL OF SPORTS SCIENCE AND MEDICINE, Journal Indexed in SCI-E, January 2023

JOURNAL OF SPORTS SCIENCE AND MEDICINE, Journal Indexed in SCI-E, January 2023

JOURNAL OF SPORTS SCIENCE AND MEDICINE, Journal Indexed in SCI-E, December 2022

JOURNAL OF SPORTS SCIENCE AND MEDICINE, Journal Indexed in SCI-E, November 2022

JOURNAL OF SPORTS SCIENCE AND MEDICINE, Journal Indexed in SCI-E, August 2022

JOURNAL OF SPORTS SCIENCE AND MEDICINE, Journal Indexed in SCI-E, July 2022

JOURNAL OF SPORTS SCIENCE AND MEDICINE, Journal Indexed in SCI-E, July 2022  
JOURNAL OF SPORTS SCIENCE AND MEDICINE, Journal Indexed in SCI-E, July 2022  
JOURNAL OF SPORTS SCIENCE AND MEDICINE, Journal Indexed in SCI-E, June 2022  
JOURNAL OF SPORTS SCIENCE AND MEDICINE, Journal Indexed in SCI-E, June 2022  
JOURNAL OF SPORTS SCIENCE AND MEDICINE, Journal Indexed in SCI-E, June 2022  
JOURNAL OF SPORTS SCIENCE AND MEDICINE, Journal Indexed in SCI-E, May 2022  
JOURNAL OF SPORTS SCIENCE AND MEDICINE, Journal Indexed in SCI-E, May 2022  
JOURNAL OF SPORTS SCIENCE AND MEDICINE, Journal Indexed in SCI-E, March 2022  
JOURNAL OF SPORTS SCIENCE AND MEDICINE, Journal Indexed in SCI-E, February 2022  
JOURNAL OF SPORTS SCIENCE AND MEDICINE, Journal Indexed in SCI-E, February 2022  
JOURNAL OF SPORTS SCIENCE AND MEDICINE, Journal Indexed in SCI-E, February 2022  
JOURNAL OF SPORTS SCIENCE AND MEDICINE, Journal Indexed in SCI-E, February 2022  
JOURNAL OF SPORTS SCIENCE AND MEDICINE, Journal Indexed in SCI-E, January 2022  
MONTENEGRIN JOURNAL OF SPORTS SCIENCE AND MEDICINE, Journal Indexed in SCI-E, January 2022  
JOURNAL OF SPORTS SCIENCE AND MEDICINE, Journal Indexed in SCI-E, January 2002

## **Metrics**

Publication: 42  
Citation (WoS): 384  
Citation (Scopus): 557  
H-Index (WoS): 8  
H-Index (Scopus): 11

## **Non Academic Experience**

Uludağ üniv. Tıp fak.  
Uludağ üniv. Tıp fak.  
İst. Üniv. SHMYO  
İst. Üniv. SHMYO  
İst. Üniv. Tıp Fakültesi  
T.C. Sağlık Bakanlığı Pehlivan köy Merkez sağlık Ocağı