

Prof. BELMA TURAN

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAG-8084-2020

ScopusID: 7006863023

Yoksis Researcher ID: 28627

Education Information

Doctorate, Ankara University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, Turkey 1977 - 1982

Undergraduate, Middle East Technical University, Fen-Edebiyat Fakültesi, Fizik Bölümü, Turkey 1972 - 1976

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Health&Medicine, LOKMAN HEKİM ÜNİVERSİTESİ TIP FAKÜLTESİ LİSE BAHAR OKULU- KALBİN MİKROSKOBA YOLCULUĞU, LOKMAN HEKİM ÜNİVERSİTESİ, 2023

Health&Medicine, 2237 Bilimsel Eğitim Etkinliklerini Destekleme Programı Lisans Üstü Hemşirelik ve Ebelik Öğrencilerine Yönelik Epidemiyolojide Nedensellik Ve Gözlemsel Araştırmalar Eğitimi, Lokman hekim üniversitesi, 2022

Health&Medicine, Translasyonel Tıp Alanında Proje Hazırlama, Yazma ve Yürütme Eğitimi Ankara 2022, Lokman Hekim Üniversitesi, 2022

Dissertations

Doctorate, Kanda Bulunan Cu²⁺ ve Fe³⁺ Paragenetik Metal İyonları Özelliklerinden Yararlanılarak Normal ve Hasta İnsan Kanının ESR Yöntemiyle İncelenmesi, Ankara University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 1982

Research Areas

Biophysics

Academic Titles / Tasks

Professor, Lokman Hekim University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2020 - Continues
Professor, Ankara University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 1993 - 2020
Associate Professor, Ankara University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 1987 - 1993
Research Assistant, Ankara University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 1983 - 1984
Research Assistant, Ankara University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 1977 - 1983

Academic and Administrative Experience

BAP Scientific Commissioner, Lokman Hekim University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2022 - Continues
Head of Department, Lokman Hekim University, Sağlık Bilimleri Enstitüsü, Disiplinlerarası Hücresel Ve Moleküler Tıp Anabilim Dalı Anabilim Dalı, 2021 - Continues
BAP Coordinator, Lokman Hekim University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2021 - Continues
Fakülte Yönetim Kurulu Üyesi, Lokman Hekim University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2021 - Continues
BAP Scientific Commissioner, Lokman Hekim University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2021 - Continues
Ethics Committee Member, Lokman Hekim University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2021 - Continues
Chairman of the BAP Committee, Lokman Hekim University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2020 - Continues
Head of Department, Lokman Hekim University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2020 - Continues

Courses

BİYOFİZİK, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021
BIOELECTRICAL INSTRUMENTS FOR MEASUREMENTS-OBSERVATIONS AND APPLICATIONS, Undergraduate, 2022 - 2023
Dönem 1 Biyofizik, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022
ÖĞRENCİ PROJELERİ HAZIRLAMA DERSİ , Undergraduate, 2022 - 2023
Biyofizik Dönem II, Undergraduate, 2023 - 2024
D2 Biyofizik, Undergraduate, 2023 - 2024
BİYOFİZİK (TIP), Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022
D3 Biyofizik, Undergraduate, 2023 - 2024
HÜCRE ELEKTROFİZYOLOJİSİ, Doctorate, 2023 - 2024
MAKROSKOPİK ANATOMİ VE TEMEL HÜCRE İNCELEME - GÖRÜNTÜLEME YÖNTEMLERİ HÜCRE METABOLİZMASI, Doctorate, 2023 - 2024
D3 Biyofizik, Undergraduate, 2023 - 2024
Dönem II Biyofizik Türkçe ve İngilizce, Undergraduate, 2022 - 2023
Dönem 2 Biyofizik, Undergraduate, 2022 - 2023, 2021 - 2022
BİYOELEKTRİĞE GİRİŞ, Postgraduate, 2019 - 2020, 2014 - 2015, 2013 - 2014
DOLAŞIM SİSTEMİ BİYOFİZİĞİ, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015
LİTERATÜR-SEMİNER, Doctorate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013
BİYOFİZİK (TIP), Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015
UZMANLIK ALAN DERSİ, Doctorate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013
BİYOFİZİK (İNGİLİZCE TIP), Undergraduate, 2019 - 2020, 2018 - 2019
TEZ ÇALIŞMASI, Doctorate, 2019 - 2020, 2018 - 2019, 2017 - 2018
İŞİTME VE KONUŞMA BİYOFİZİĞİ, Postgraduate, 2018 - 2019, 2017 - 2018
BİYOFİZİK (DIŞ HEKİMLİĞİ), Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015
BİYOPOTANSİYELLER, Doctorate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2012 - 2013
ALAN UYGULAMASI, Doctorate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013

HÜCRE BİYOFİZİĞİ, Doctorate, 2016 - 2017
BİYOMEKANIĞE GİRİŞ, Postgraduate, 2015 - 2016, 2014 - 2015, 2012 - 2013
DUYU BİYOFİZİĞİ, Doctorate, 2015 - 2016, 2013 - 2014
MEDİKAL FİZİK (VETERNERLİK), Undergraduate, 2015 - 2016
AKIŞKANLAR BİYOFİZİĞİ, Doctorate, 2015 - 2016, 2013 - 2014
MOLEKÜLER BİYOFİZİK, Doctorate, 2014 - 2015
BİYOMEKANIĞE GİRİŞ, Doctorate, 2013 - 2014
BİYOFİZİK(SUNUM), Undergraduate, 2013 - 2014, 2012 - 2013
MOLEKÜLER BİYOLOJİK YÖNTEMLER, Doctorate, 2013 - 2014
BİYOFİZİK, Undergraduate, 2013 - 2014, 2012 - 2013
BİYOMEDİKAL ENSTRÜMANTASYON, Doctorate, 2012 - 2013
TEMEL BİYOMEDİKAL ENSTRÜMANTASYON, Postgraduate, 2012 - 2013
KAS BİYOFİZİĞİ, Doctorate, 2012 - 2013

Advising Theses

Turan B., Magnolol ve Honokiol Kompleksin İnsülin Dirençli Kardiyomiyositlerdeki Etkilerinin Elektrofizyolojik ve Biyokimyasal Yöntemlerle İncelenmesi, Postgraduate, G.KAZAN(Student), Continues
Turan B., İnsülin Direnci Geliştirilmiş H9C2 Hücre Hatlarında Epigenetik Değişimlerin ÇinkoTransporterları Üzerindeki Rolü, Postgraduate, İ.AKTAY(Student), 2022
Turan B., İndüklenmiş Pluripotent Kök Hücre Eldesinde Çinkonun Rolü, Postgraduate, K.GENÇ(Student), 2022
TURAN B., Lipoik asitin yaşlı memeli kalp fonksiyonuna etkisinin yaşlanma modeli geliştirilmiş ventriküler H9C2 hücre hattında mitokondri fonksiyonu incelenerek değerlendirilmesi, Postgraduate, G.SENCAR(Student), 2021
TURAN B., Memeli atriyal hücrelerinde ATP-duyarlı katyon kanallarının yaşlanmaya bağlı kalp fonksiyon değişikliklerindeki rolünün incelenmesi, Doctorate, S.DEĞİRMENCİ(Student), 2021
TURAN B., KEREVİTTE (Astacus leptodactylus) BULUNAN VOLTAJ KAPILI Na+ KANALININ HOMOLOJİ VE MOLEKÜLER DİNAMİK YÖNTEMLERİYLE MODELLENMESİ, Doctorate, H.AKTAŞ(Student), 2021
TURAN B., Çinko-taşıyıcıları ve mitokondri ilişkisinin yaşlanmaya bağlı kalp fonksiyon bozukluğundaki rolünün incelenmesi, Doctorate, Y.OLĞAR(Student), 2018
TURAN B., İnsülin direnci gelişmiş sıçan kardiyomiyositlerinde sarkolemmal iyon kanallarının fonksiyon ve yapısının elektrofizyolojik ve moleküler biyolojik tekniklerle incelenmesi, Doctorate, A.DURAK(Student), 2017
TURAN B., Ventriküler kardiyomiyositlerde hücre içi serbest ZN+2 artışının K+-kanal akımlarına etkisinin incelenmesi, Postgraduate, S.DEĞİRMENCİ(Student), 2016
TURAN B., Çinko ve selenyumun antioksidan özelliklerinin oksidatif stres indüklü DNA radikallerinin immün-spin-yakalama yöntemi kullanılarak incelenmesi, Postgraduate, V.DELETİOĞLU(Student), 2015
TURAN B., Diyabet kaynaklı kalp fonksiyon bozukluğunda hücre içi iyon derişimleri ile fosfodiesterazların aktiviteleri arasındaki ilişkinin tip 2 obez-sıçan modelinde incelenmesi, Doctorate, E.NUR(Student), 2015
TURAN B., Kalp fonksiyon bozukluğunda rol oynayan hücre içi Zn2+ derişimi ve kontrolsüz sarkoplazmik retikulum Ca2+ sızıntısı arasındaki ilişkinin elektrofizyolojik ve biyokimyasal tekniklerle incelenmesi, Doctorate, E.TUNCAY(Student), 2014
TURAN B., İzole memeli ventriküler miyositlerinde sodyum-hidrojen değiş-tokuşusunun hipoksik duyarlılığı ATP'nin rolü, Doctorate, H.BURAK(Student), 2014
TURAN B., Kardiyomiyositlerde hücre içi sodyum homeostazında rol oynayan faktörlerin incelenmesi, Doctorate, A.BİLGİNOĞLU(Student), 2010
TURAN B., Diyabetik kardiyomiyopatide MikroRNA'ların rolü, Postgraduate, S.SERDAR(Student), 2010
TURAN B., Suda çözünen nanokitosan sentezi, Doctorate, A.GEÇER(Student), 2010
TURAN B., Diyabetik kardiyomiyopatide seçici olmayan beta blokör etkilerinin elektrofizyolojik yöntemlerle incelenmesi, Postgraduate, E.TUNCAY(Student), 2008
TURAN B., Matriks metalloproteazların diyabetik sıçanların endotel bağımlı damar fonksiyonlarındaki rolü, Postgraduate, E.NUR(Student), 2008

TURAN B., Yaşlanmaya bağlı kalp fonksiyon değişikliklerinde beta adrenerjik sistemin rolünün elektrofizyolojik yöntemlerle incelenmesi, Postgraduate, A.AYTAÇ(Student), 2008

TURAN B., Diyabetik sıçan kalbi kalsiyum homeostazını düzenleyen mekanizmaların incelenmesi, Doctorate, N.YARAŞ(Student), 2007

TURAN B., Deneysel diyabette gözlenen vasküler fonksiyon bozukluklarında sodyum selenat uygulamasının etki mekanizmalarının incelenmesi, Postgraduate, E.TANRIVERDİ(Student), 2007

TURAN B., Yaşlanmanın kalpteki beta-adrenerjik reseptör blokör yanıtları üzerindeki etkisinin incelenmesi, Postgraduate, P.ŞAM(Student), 2006

TURAN B., Diyabetik kardiyomyopati ve adrenerjik reseptör yanıtları, Postgraduate, A.BİLGİNOĞLU(Student), 2005

TURAN B., Anjiyotensin 2 reseptörünün deneysel diyabetik sıçan kalbi elektriksel aktivitesindeki rolü, Doctorate, S.ÖZDEMİR(Student), 2004

TURAN B., Deneysel diyabetik kardiyomyopati hücre içi serbest iyon derişimi, Doctorate, M.AYAZ(Student), 2004

TURAN B., E vitamininin deneysel diyabetik sıçanların atriyal aktiviteleri üzerindeki etkilerinin elektrofizyolojik yöntemlerle incelenmesi, Postgraduate, T.TUNÇER(Student), 2000

TURAN B., Hücre dışı adenosin trifosfat uygulamasının izole kardiyak miyositlerdeki etkilerinin tüm-hücre Patch Clamp yöntemi ile incelenmesi, Doctorate, M.UĞUR(Student), 2000

TURAN B., Selenyumun deneysel diyabetik sıçan kalbi ventrikül kasının elektriksel ve mekaniksel aktivitesi üzerine etkileri, Postgraduate, M.AYAZ(Student), 1999

TURAN B., Selenyum ve E vitamini eksikliği: Papiller kasın elektrofizyolojik ve mekaniksel fonksiyonları, Postgraduate, M.KILIÇ(Student), 1997

TURAN B., Ventrikül kasılmasında oksidan stresin rolünün elektrofizyolojik olarak incelenmesi, Doctorate, Ö.HOTOMAROĞLU(Student), 1996

Jury Memberships

Post Graduate, Post Graduate, The American University in Cairo, November, 2023

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Lokman Hekim Üniversitesi, November, 2023

Post Graduate, Post Graduate, The American University in Cairo, November, 2023

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Lokman Hekim Üniversitesi, November, 2023

Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Lokman Hekim Üniversitesi, October, 2023

Doctorate, Doctorate, Lokman Hekim Üniversitesi, September, 2023

Doctorate, Doctorate, Lokman Hekim Üniversitesi, July, 2023

Doctorate, Doctorate, Hacettepe Üniversitesi, July, 2023

Doctorate, Doctorate, The American University in Cairo, June, 2023

Associate Professor Exam, Associate Professor Exam, Lokman Hekim Üniversitesi, May, 2023

Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Lokman Hekim Üniversitesi, January, 2023

Doctorate, Doctorate, Lokman Hekim University, December, 2022

Associate Professor Exam, Associate Professor Exam, Lokman Hekim Üniversitesi, December, 2022

Committee Of Expert, Committee Of Expert, Lokman Hekim Üniversitesi, November, 2022

Doctorate, Doctorate, Lokman Hekim Üniversitesi, September, 2022

Post Graduate, Post Graduate, Ankara Üniversitesi, April, 2022

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Karamanoğlu Mehmetbey Üniversitesi, February, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Hacettepe Üniversitesi, January, 2022

Post Graduate, Post Graduate, The American University in Cairo, November, 2021

Appointment to Academic Staff-Professorship, Appointment Academic Staff, Sağlık Bilimleri Üniversitesi, September, 2021

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Hacettepe Üniversitesi, June, 2021

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Hacettepe Üniversitesi, January, 2021

Doctorate, Doctorate, The American University in Cairo, March, 2020

Taught Courses And Trainings

Turan B., Diyabet, 2022 - 2022

Research Infrastructure Information

Turan B., 6550 MÜKEMMELLİYET MERKEZLERİ ALT YAPI OLUŞTURMA , December 2022

Turan B., Moleküler ve Hücre Araştırma Laboratuvarının kurulması, January 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The Role of Zinc on Liver Fibrosis by Modulating ZIP14 Expression Throughout Epigenetic Regulatory Mechanisms**
Aksoy-Ozer Z. B., BİTİRİM C. V., TURAN B., AKÇALI K. C.
Biological Trace Element Research, vol.202, no.11, pp.5094-5105, 2024 (SCI-Expanded)
- II. **Cardioprotective role of a magnolol and honokiol complex in the prevention of doxorubicin-mediated cardiotoxicity in adult rats**
Aktay I., BİTİRİM C. V., OLĞAR Y., DURAK A., TUNCAY E., BİLLUR D., AKÇALI K. C., TURAN B.
Molecular and Cellular Biochemistry, vol.479, no.2, pp.337-350, 2024 (SCI-Expanded)
- III. **An Overexpression of SLC30A6 Gene Contributes to Cardiomyocyte Dysfunction via Affecting Mitochondria and Inducing Activations in K-Acetylation and Epigenetic Proteins**
Turan B.
BIOCHEMICAL GENETICS, vol.1, no.1, pp.1, 2023 (SCI-Expanded)
- IV. **An increase in intercellular crosstalk and electrotonic coupling between cardiomyocytes and nonmyocytes reshapes the electrical conduction in the metabolic heart characterized by short QT intervals in ECGs.**
Billur D., Olgar Y., Durak A., Yozgat A. H., Unay S., Tuncay E., Turan B.
Cell biochemistry and function, 2023 (SCI-Expanded)
- V. **Overexpression of Slc30a7/ZnT7 increases the mitochondrial matrix levels of labile Zn²⁺ and modifies histone modification in hyperinsulinemic cardiomyoblasts**
TUNCAY E., Aktay I., TURAN B.
Journal of Trace Elements in Medicine and Biology, vol.78, 2023 (SCI-Expanded)
- VI. **Morphological and Functional Analysis of Cardiac Ameliorations in Elderly Rats Supplemented with a Magnolol Extract Complex**
Análisis Morfológico y Funcional de las Mejoras Cardíacas en Ratas Ancianas Suplementadas con un Complejo de Extracto de Magnolol
BİLLUR D., Aktay I., Bayram P., BİTİRİM C. V., TURAN B.
International Journal of Morphology, vol.41, no.3, pp.915-925, 2023 (SCI-Expanded)
- VII. **Liraglutide provides cardioprotection through the recovery of mitochondrial dysfunction and oxidative stress in aging hearts**

DURAK A., TURAN B.

Journal of Physiology and Biochemistry, vol.79, no.2, pp.297-311, 2023 (SCI-Expanded)

- VIII. **The cardioprotective role of sirtuins is mediated in part by regulating KATP channel surface expression**
TUNCAY E., Gando I., Huo J., Yepuri G., Sampler N., TURAN B., Yang H., Ramasamy R., Coetzee W. A.
American journal of physiology. Cell physiology, vol.324, no.5, 2023 (SCI-Expanded)
- IX. **Comparisons of pleiotropic effects of SGLT2 inhibition and GLP-1 agonism on cardiac glucose intolerance in heart dysfunction**
TURAN B., DURAK A., OLĞAR Y., TUNCAY E.
Molecular and Cellular Biochemistry, vol.477, no.11, pp.2609-2625, 2022 (SCI-Expanded)
- X. **Intracellular Redistribution of Left Ventricular Connexin 43 Contributes to the Remodeling of Electrical Properties of the Heart in Insulin-resistant Elderly Rats**
BİLLUR D., OLĞAR Y., TURAN B.
Journal of Histochemistry and Cytochemistry, vol.70, no.6, pp.447-462, 2022 (SCI-Expanded)
- XI. **Bimodal Effects of P2Y12 Antagonism on Matrix Metalloproteinase-Associated Contractile Dysfunction in Insulin-Resistant Mammalian Heart**
OLĞAR Y., TUNCAY E., BİLLUR D., Turan B.
Biological Trace Element Research, vol.200, no.5, pp.2195-2204, 2022 (SCI-Expanded)
- XII. **Cardioprotective effect of extracellular vesicles derived from ticagrelor-pretreated cardiomyocyte on hyperglycemic cardiomyocytes through alleviation of oxidative and endoplasmic reticulum stress**
BİTİRİM C. V., Ozer Z. B., Aydos D., Genc K., Demirsoy S., AKÇALI K. C., Turan B.
SCIENTIFIC REPORTS, vol.12, no.1, 2022 (SCI-Expanded)
- XIII. **STIM1-Orai1 interaction mediated calcium influx activation contributes to cardiac contractility of insulin-resistant rats**
DURAK A., OLĞAR Y., Genc K., TUNCAY E., AKAT F., DEĞİRMENCİ S., Turan B.
BMC CARDIOVASCULAR DISORDERS, vol.22, no.1, 2022 (SCI-Expanded)
- XIV. **Insulin-induced recovery in KCNQ1/KCNE1-current accelerates the ventricular action potential repolarization in insulin-resistant aged-rats via affecting beta(3)-adrenergic receptors**
OLĞAR Y., DURAK A., BİTİRİM C. V., TUNCAY E., Turan B.
BIOPHYSICAL JOURNAL, vol.121, no.3, pp.87, 2022 (SCI-Expanded)
- XV. **Insulin acts as an atypical KCNQ1/KCNE1-current activator and reverses long QT in insulin-resistant aged rats by accelerating the ventricular action potential repolarization through affecting the β 3-adrenergic receptor signaling pathway**
OLĞAR Y., DURAK A., BİTİRİM C. V., TUNCAY E., Turan B.
Journal of Cellular Physiology, vol.237, no.2, pp.1353-1371, 2022 (SCI-Expanded)
- XVI. **Modulatory role of OKG on delayed rectifier potassium channels in ventricular cardiomyocytes from metabolic syndrome rats**
TUNCAY E., OLĞAR Y., DURAK A., BİTİRİM C. V., Turan B.
BIOPHYSICAL JOURNAL, vol.121, no.3, 2022 (SCI-Expanded)
- XVII. **Glucagon-like peptide-1 receptor agonist treatment of high carbohydrate intake-induced metabolic syndrome provides pleiotropic effects on cardiac dysfunction through alleviations in electrical and intracellular Ca²⁺ abnormalities and mitochondrial dysfunction**
DURAK A., AKKUŞ E., GÖKÇAY CANPOLAT A., TUNCAY E., ÇORAPÇIOĞLU D., Turan B.
Clinical and Experimental Pharmacology and Physiology, vol.49, no.1, pp.46-59, 2022 (SCI-Expanded)
- XVIII. **IMproving Preclinical Assessment of Cardioprotective Therapies (IMPACT) criteria: guidelines of the EU-CARDIOPROTECTION COST Action**
Lecour S., Andreadou I., Bøtker H. E., Davidson S. M., Heusch G., Ruiz-Meana M., Schulz R., Zuurbier C. J., Ferdinandy P., Hausenloy D. J., et al.
Basic Research in Cardiology, vol.116, no.1, 2021 (SCI-Expanded)
- XIX. **Ticagrelor alleviates high-carbohydrate intake induced altered electrical activity of ventricular cardiomyocytes by regulating sarcoplasmic reticulum-mitochondria miscommunication**

- OLĀAR Y., DURAK A., Degirmenci S., TUNCAJ E., BİLLUR D., ÖZDEMİR S., Turan B.
Molecular and Cellular Biochemistry, vol.476, no.10, pp.3827-3844, 2021 (SCI-Expanded)
- XX. **Evaluation of the Effects of Aging on the Aorta Stiffness in Relation with Mineral and Trace Element Levels: an Optimized Method via Custom-Built Stretcher Device**
Aydemir D., Salman N., Karimzadehkhoei M., Alaca B. E., TURAN B., Ulusu N. N.
Biological Trace Element Research, vol.199, no.7, pp.2644-2652, 2021 (SCI-Expanded)
- XXI. **Molecular and Electrophysiological Role of Diabetes-Associated Circulating Inflammatory Factors in Cardiac Arrhythmia Remodeling in a Metabolic-Induced Model of Type 2 Diabetic Rat**
Zayas-Arrabal J., Alquiza A., TUNCAJ E., Turan B., Gallego M., Casis O.
INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, vol.22, no.13, 2021 (SCI-Expanded)
- XXII. **Mitochondrial ROS and mitochondria-targeted antioxidants in the aged heart**
Bou-Teen D., Kaludercic N., Weissman D., Turan B., Maack C., Di Lisa F., Ruiz-Meana M.
FREE RADICAL BIOLOGY AND MEDICINE, vol.167, pp.109-124, 2021 (SCI-Expanded)
- XXIII. **Interrelated In Vitro Mechanisms of Sibutramine-Induced Cardiotoxicity**
Alyu F., OLĀAR Y., DEĀIRMENĀI S., Turan B., ÖZTÜRĀK Y.
Cardiovascular Toxicology, vol.21, no.4, pp.322-335, 2021 (SCI-Expanded)
- XXIV. **The role of labile Zn²⁺ and Zn²⁺-transporters in the pathophysiology of mitochondria dysfunction in cardiomyocytes**
Turan B., TUNCAJ E.
MOLECULAR AND CELLULAR BIOCHEMISTRY, vol.476, no.2, pp.971-989, 2021 (SCI-Expanded)
- XXV. **The Relationship Between Metabolic Syndrome Development and Tissue Trace Elements Status and Inflammatory Markers**
Akdas S., TURAN B., DURAK A., ARIBAL AYRAL P., YAZIHAN N.
Biological Trace Element Research, vol.198, no.1, pp.16-24, 2020 (SCI-Expanded)
- XXVI. **Ageing-associated increase in SGLT2 disrupts mitochondrial/sarcoplasmic reticulum Ca²⁺ homeostasis and promotes cardiac dysfunction**
OLĀAR Y., TUNCAJ E., DEĀIRMENĀI S., BİLLUR D., Dhingra R., Kirshenbaum L., TURAN B.
Journal of Cellular and Molecular Medicine, vol.24, no.15, pp.8567-8578, 2020 (SCI-Expanded)
- XXVII. **Titin and CK2 α are New Intracellular Targets in Acute Insulin Application-Associated Benefits on Electrophysiological Parameters of Left Ventricular Cardiomyocytes From Insulin-Resistant Metabolic Syndrome Rats**
DURAK A., BİTİRİM C. V., TURAN B.
Cardiovascular Drugs and Therapy, vol.34, no.4, pp.487-501, 2020 (SCI-Expanded)
- XXVIII. **Olive oil attenuates oxidative damage by improving mitochondrial functions in human keratinocytes**
YAZIHAN N., Akdas S., OLĀAR Y., Biriken D., TURAN B., ÖZKAYA M. T.
Journal of Functional Foods, vol.71, 2020 (SCI-Expanded)
- XXIX. **MitoTEMPO provides an antiarrhythmic effect in aged-rats through attenuation of mitochondrial reactive oxygen species**
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- XXXI. **REGULATION OF MITOCHONDRIAL ZN2 LEVEL BY ZN2 TRANSPORTER ZIP7 EFFECTS SARCO(ENDO)PLASMIC RETICULUM S(E)R-MITOCHONDRIA COUPLING IN HYPERGLYCEMIA**
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- XXXII. **Cellular and molecular mechanisms underline the insufficient cardiac function in elderly mammals**
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- XXXIII. **An histological investigation of impact of the metabolic syndrome on myocardial structure at tissue and cell levels.**
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- XXXIV. **High-Carbohydrate Diet-Induced Insulin Resistance Causes Apoptosis at Rats' Cortical Neurons**
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- XXXV. **The High Sucrose Diet Affects Memory and Learning**
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- XXXVI. **Basic for Zinc and Zinc-transproters in Heart Health and Accociated Pathology**
TURAN B.
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- XXXVII. **History of Basic Cardiovascular Research in Turkey**
TURAN B.
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- XL. **The effects of leptin on cardiac function in streptozotocin diabetic rats**
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- XLIII. **Impact of zinc on cardiomyocytes**
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- XLIV. **EFFECT OF PİOGLİTAZONE ON INTRACELLULAR NA HOMEOSTASIS IN METABOLIC SYNDROME-INDUCED CARDIOMYOPATHY IN MALE RATS**
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- XLV. **Cardioprotective Action of Intermittent Hypoxia on Left Ventricle Function of Type 1 Diabetic Rats**
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- XLVIII. **Kardiyovasküler Fonksiyon Bozukluklarıyla ilgili Mekanizmaların Aydınlatılmasında Elektrofizyolojik ve Biyokimyasal- Moleküler Yaklaşımların Önemi**

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XLIX. Kardiovasküler Fonksiyon Bozukluklarıyla ilgili Mekanizmaların Aydınlatılmasında Elektrofizyolojik ve Biyokimyasal-Moleküler Yaklaşımların Önemi

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TURAN B.

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LI. Expression levels of zinc transporters in human failing heart

TOY A., BİTİRİM C. V., OLĞAR Y., TURAN B., ÖZÇINAR E., TUNCAY E., İNAN M. B.

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LII. Timolol and pentose phosphate pathway enzymes

ULUSU N. N., GÖK M., TURAN B.

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LIII. Increased cytosolic free Zn^{2+} alters action potential parameters via activation of KATP-channels in rat ventricular cardiomyocytes

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LIV. Altered heart function in high sucrose fed overweight rats: in vivo and in vitro investigations

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LVII. Metabolik sendrom ilişkili kardiyovasküler sistem bozukluklarının incelenmesinde biyofiziksel yaklaşımlar: Beta3-adrenoresptörlerin rolü

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LX. Regulation of endoplasmic reticulum and mitochondrial free Zn^{2+} level with ZIP7 in hyperglycemic cardiomyocytes

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COST European Cooperation in Science and Technology Zinc-Net Management Committee Meeting And Zinc-Net/Zinc-UK Conference, 21 - 22 November 2016

LXI. Zinc Transporters and Endoplasmic Reticulum Stress in Human Failing Heart

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TURAN B.
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- LXIII. **Cardiac adrenoceptor subtypes in diabetes Regulation of cardiac α_3 adrenergic receptors**
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- LXIV. **Regulation of intracellular free Zn^{2+} in ventricular cardiomyocytes with subcellular organelles**
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- LXV. **An investigation on the effects of intermittent hypoxia in streptozotocin induced diabetic cardiac function**
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TURAN B.
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- LXVII. **Investigation on the cross talk between α_3 Adrenergic receptor and Zn^{2+} signalling in diabetic cardiomyocytes**
TURAN B., TUNCAY E., OKATAN E. N.
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- LXVIII. **Intracellular free Zn^{2+} increase induces marked changes in mitochondrial function and ultrastructure in cardiac cells**
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- LXX. **Both Hyperglycemia and Hyperinsulinemia Induce Changes in Voltage Dependent K^+ Channel Currents in H9c2 Ventricular Cells**
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- LXXI. **An Investigation on Electrical Activity and Sarcolemmal K^+ Channels in Cardiomyocytes from Insulin Resistant Rat Heart**
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- LXXII. **Role of ZIP7 in Regulation of Cytosolic Free Zn^{2+} Level in Mammalian Cardiomyocytes**
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- LXXV. **An Investigation on Electrical Activity and Sarcolemmal K+-Channels in Cardiomyocytes from Insulin-Resistant Rat Heart**
Toy A., OLĞAR Y., DEĞİRMENCİ S., TUNCAY E., TURAN B.
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- LXXVI. **Role of ZIP7 in Regulation of Cytosolic Free Zn²⁺ Level in Mammalian Cardiomyocytes**
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- LXXVIII. **Association Between beta 3-Adrenoceptor Activation and Intracellular Free Zinc Ion Increase Contributes to Hyperglycemia-Induced Cardiac ER-Stress**
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- LXXIX. **the role of zinc transporter zip7 in regulation of intracellular free ZN 2 level in cardiomyocytes**
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- LXXX. **Role of cytosolic free zinc ion in excitation contraction coupling of the left ventricular cardiomyocytes**
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- LXXXI. **Electrophysiological basis of metabolic syndrome induced cardiovascular disorders**
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- LXXXII. **Yüksek Şükrozla İndüklenen Metabolik Sendromlu Sıçanlarda Oluşan Kalp Fonksiyon Bozukluğunda Sarkoplazmik Retikulumun Rolü**
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- LXXXIII. **ZIP7 ZnT7 Taşıyıcı Sisteminin Sarkoplazmik Retikuluma Lokalizasyonunun ve Endoplazmik Retikulum Stresi ile İlişkinin Gösterilmesi**
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- LXXXIV. **Kardiyomiyositlerde Hücre İçi Zn 2 Depolarının Floresans Görüntüleme Tekniği İle Görüntülenmesi**
TURAN B.
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- LXXXV. **H9c2 Ventrikül Hücre Hattında Glukoz ve İnsülinin Voltaj Bağımlı Kanal Akımlarına Etkilerinin İncelenmesi**
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TURAN B.
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- LXXXVII. **Yaşlanmaya Bağlı Olarak Kalbin Elektriksel Aktivitesinde Gözlenen Değişmelerin İyonik Temelleri**

- TURAN B.
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- LXXXVIII. **Rho Kinaz İnhibisyonunun Patolojik Kardiyak Hipertrofiye Bozulan Miyositlerin Ca²⁺ Regülasyonunu Etkisi**
TURAN B.
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- LXXXIX. **Depressed sarcoplasmic reticulum activity underlies Ca dyshomeostasis in a rat model of metabolic syndrome Role of phosphodiesterases**
TURAN B.
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- XC. **effects of metabolic syndrome on antioxidant enzymes activities of masseter muscle from male rats**
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- XCII. **beta(3)-Adrenergic Receptor Activation and Endoplasmic Reticulum Stress via Modulation of Intracellular Free Zn²⁺ in Hyperglycemic Cardiomyocytes**
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- XCIII. **Roles of Intracellular Free Zn²⁺ on Electrical and Mechanical Activities of the Heart**
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- C. **Distinctive effects of beta blockers in diabetic cardiomyopathy restoration of the failing heart linked to oxidative stress**
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- CI. **Roles of beta adrenergic receptor subtypes in development of diabetic cardiomyopathy**
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- CII. **Pre-diyabet oluşturulmuş sıçanlarda kardiyomiyositlerin ışık mikroskopunda değerlendirilmesi.**
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- CIII. **Intracellular Free Zinc Ion Increase Triggers Hyperglycemia-Induced Cardiomyocyte Dysfunction through Endoplasmic Reticulum Stress**
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- CIV. **Altered Intracellular Calcium Ion Regulation Plays Important Role in High Carbohydrate Intake Induced Myocardial Remodeling**
Okatan E. N., Toy A., TURAN B.
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- CV. **Yüksek karbonhidrat diyeti etkisinin sıçan kalbi ince-yapı bulguları ile gösterilmesi.**
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- CVIII. **Activation of beta 3-Adrenoceptors Induces Increase in Intracellular Free Zinc Ion via No Signaling Pathway in Hyperglycemic Cardiomyocytes**
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- CIX. **Role of oxidative stress via miR-199a in vascular dysfunction of thoracic aorta from diabetic rats**
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- CX. **Effect of dietary selenium and vitamin E on the biomechanical properties of bones and skeletal muscles**
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- I. **Cardioprotective role of insulin on long QT-interval via recoveries in K⁺-channel currents in advanced age**
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II. **A shift of voltage-gated Na⁺-channel isoforms can contribute to age-dependent remodeling in the mammalian heart**

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V. **Yaşa Bağlı Kalp Fonksiyon Değişiklikleri ve miRNA'lar**

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VI. **Anorektik Ajan Sibutraminin Metabolik Sendromlu Sıçan Ventrikül Hücrelerinin Elektriksel Aktivitesine Toksik Etkilerinin Konsantrasyona Bağlı İncelenmesi**

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Supported Projects

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Turan B., EU Supported Other Project, Bridging the gap between cardiac and vascular regeneration, 2024 - 2027

Dursun A. B., Turan B., Bek N., Dursun E., Karadağ M., Project Supported by Higher Education Institutions, SAĞLIK PROFESYONELLERİ İÇİN MULTİDİSİPLİNER SİMÜLASYON ALANI, 2024 - 2027

Dursun E., Karadağ M., Turan B., Bek N., Dursun A. B., Project Supported by Higher Education Institutions, SAĞLIK PROFESYONELLERİNİN EĞİTİMİ İÇİN KADIN DOĞUM AMELİYATHANE YOĞUN BAKIM VE PEDİATRİ SİMÜLASYON ALANLARI, 2024 - 2027

Turan B., Dursun E., Bek N., Karadağ M., Dursun A. B., Project Supported by Higher Education Institutions, SAĞLIK PROFESYONELLERİNİN EĞİTİMİNDE KULLANILMAK ÜZERE MULTİDİSİPLİNER ACİLHASTA SİMÜLASYON ALANI KURULMASI, 2024 - 2027

Turan B., EU Supported Other Project, European network to tackle METAbolic alterations in HEART failure (EU-METAHEART), 2023 - 2027

Turan B., TUBITAK Project, İnkretin aracılı tedavilerde mitokondri, 2023 - 2026

Turan B., TUBITAK Project, İnsülin direnci gelişmiş kardiyomiyositlerde, 2023 - 2026

Turan B., EU Supported Other Project, Network for implementing multiomic approaches in atherosclerotic cardiovascular disease prevention and research (AtheroNET), 2023 - 2026

Turan B., EU Supported Other Project, Network on evidence-based physical activity in old age (PhysAgeNet), 2023 - 2025

Turan B., TUBITAK Project, Rejeneratif ve restoratif Tıp Araştırmaları, 2021 - 2025

Ünay S., Turan B., Tuncay E., TUBITAK Project, Fizyolojik Yaşlanmaya Veya Kemoterapi Tedavisine Bağlı Gelişen Periferik Nöropatilerin Moleküler Mekanizmasının Nöronal Hücrelerde İncelenmesi, 2023 - 2024

Oflaz O., Turan B., Project Supported by Higher Education Institutions, An investigation on protective role of a natural supplement including magnolol and honokiol on the insufficient heart function by using electrophysiological and biochemical-molecular techniques, 2022 - 2024

Atıcı Y., Özgüven Ş. V., Yıldırımka M. M., Oflaz O., Göktaş G., Üner S., Turan B., Türk C., Sağıroğlu E., Göktaş T., et al., Project Supported by Higher Education Institutions, İnsülin direnci gibi toplulukları yakından ilgilendiren sendromların

altında yatan mekanizmaların incelenmesinde temel tıp arařtırmaları ve uygulamaları: Preklinik arařtırmaların yapılandırılmasında elektrofizyolojik, histolojik, biyokimyasal ve moleküler tekniklerin kullanılması, 2021 - 2024

Turan B., EU Supported Other Project, CA19137 - Sudden cardiac arrest prediction and resuscitation network: Improving the quality of care (PARQ), 2020 - 2024

Turan B., EU Supported Other Project, Uluslararası toplantılara katılım, Türkiye’de 2020 de COST toplantısını gerekleřtirme, doktora ğrencilerine 3 aya kadar EU dan burs saėlamak, uluslararası makale yayımlama, 2019 - 2024

Turan B., EU Supported Other Project, Uluslararası toplantılara katılım, Türkiye’de 2020 de COST toplantısını gerekleřtirme, doktora ğrencilerine 3 aya kadar EU dan burs saėlamak, uluslararası makale yayımlama, 2017 - 2023

Akın B., Damsarsan S., Duman F. N., Glbařı Z., Turan B., Bilgili N., Okyay P., ner S., Kitiř Y., Tanyer D., et al., TUBITAK Project, Causality and Observational Studies in Epidemiology for Graduate Nursing and Midwifery Students, 2022 - 2022

Turan B., TUBITAK Project, İnsülin direnci geliřmiř yařlı sıan kalp fonksiyon bozukluėunda insülin uygulamasının rolünün elektrofizyolojik ve moleküler-biyokimyasal yaklařımlarla incelenmesi, 2019 - 2022

Turan B., TUBITAK Project, inko- Tařıyıcıları ve Mitokondri İliřkinin Yařlanmaya Baėlı Kalp Fonksiyon Bozukluėundaki Rolünün İncelenmesi, 2018 - 2021

Can B., Kızıl Ő., Bayram P., Nakkař H., Billur D., Turan B., Durak A., Olėar Y., Project Supported by Higher Education Institutions, Metabolik Sendromlu Sıan Kortikal Nronlarında Endoplazmik Retikulum Stresiyle İlgili Faktrlerin Arařtırılması, 2016 - 2018

Billur D., Bayram P., Kızıl Ő., Olėar Y., Durak A., Can B., Turan B., Project Supported by Higher Education Institutions, Metabolik Sendromlu Sıanlarda Hipokampusun Nroenezine Etkili Faktrlerin İncelenmesi, 2016 - 2018

TURAN B., Project Supported by Higher Education Institutions, İnsülin direnci geliřmiř sıan kardiyomiyositlerinde iyon kanallarının fonksiyon ve yapısının elektrofizyolojik ve moleküler biyolojik tekniklerle incelenmesi, 2016 - 2018

Turan B., TUBITAK Project, Hipertrofik kardiyomiyositlerde Beta3 adrenerjik reseptr aktivasyonunun hücre ii Ca₂ ve Na homeostazları üzerindeki rolünün incelenmesi, 2015 - 2018

Turan B., TUBITAK Project, Pioglitazon Ve Kuersetinin Metabolik Sendromlu Sıan Kardiyomiyositlerinde Hücre İi Na Homeostazına Etkilerinin İncelenmesi, 2015 - 2017

Turan B., TUBITAK Project, Kardiyomiyositlerde endoplazmik retikulum stresi hücre ii serbest Zn² regölasyonu ve mitokondri arasındaki apraz iliřkinin kalp fonksiyon bozukluėu patolojisindeki rolünün incelenmesi, 2013 - 2017

Turan B., TUBITAK Project, Kardiyomiyositlerde Endoplazmik Retikölüm stresi hücre ii serbest Zn Regölasyonu ve mitokondri arasındaki apraz iliřkinin kalp fonksiyon bozukluėu patolojisindeki rolünün incelenmesi, 2013 - 2017

TURAN B., Other International Funding Programs, Kardiyomiyositlerde endoplazmik retikulum stresi, hücre ii serbest Zn² regölasyonu ve mitokondri arasındaki apraz iliřkinin kalp fonksiyon bozukluėu patolojisindeki rolünün incelenmesi, 2013 - 2017

TURAN B., TUBITAK Project, Hipertrofik Kalp Yetmezliėi Modelinde Rho Kinaz ın Rolünün Elektrofizyolojik Yntemlerle İncelenmesi, 2013 - 2016

Turan B., Project Supported by Higher Education Institutions, Streptozotosin İle İndklenen Diyabetik Kardiyomiyopatide Aralıklı (İntermittent)Hipoksinin Etkilerinin Fonksiyonel ve Moleküler Tekniklerle İncelenmesi, 2013 - 2016

TURAN B., Project Supported by Higher Education Institutions, Streptozotosin İle İndklenen Diyabetik Kardiyomiyopatide Aralıklı İntermittent Hipoksinin Etkilerinin Fonksiyonel Ve Moleküler Tekniklerle İncelenmesi, 2013 - 2016

TURAN B., Project Supported by Higher Education Institutions, Kardiyomiyosit ve nronal kltüre hcrelerde hücre ii serbest iyonların deėiřimlerinin karřılařtırmalı olarak incelenmesi, 2012 - 2014

Turan B., TUBITAK Project, Hipoksinin normal ve hiperglisemik HL 1 kardiyomiyositlerinde Na H deėiř tokuřcusu ve Na HCO₃ ko transportu aktive ve ekspresyonu üzerine etkileri Hcreii sinyal yolaklarında miRNA ların ve S nitrolizasyonun rolü, 2010 - 2013

Turan B., Project Supported by Higher Education Institutions, Hipoksinin fare HL 1 kardiyomiyositlerinde H homeostazı üzerindeki hızlı ve uzun sreli etkileri, 2011 - 2012

Turan B., TUBITAK Project, Tip I diyabetik kardiyomiyopatide yeni bir tedavi hedefi Ryanodin reseptrleri, 2008 - 2011

Turan B., TUBITAK Project, Kardiyomiyositlerde Hcreii Zn² Homeostazı Hcreii Serbest Zn² ve Matriks Metalloproteinazların Diyabetli Sıan Kalbi Uyarılma Kasılma iftlenimindeki Rolü, 2008 - 2011

Turan B., TUBITAK Project, Diyabetik kardiyomiyopatide tedavi iin yeni ila hedefleri, 2006 - 2008

Turan B., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, iki foton floresan laser mikroskopisi hücrenel görüntüleme sistemi, 2006 - 2007
Turan B., TUBITAK Project, Diyabetik sıçan kardiyomiyositlerinde beta adrenerjik reseptör yanıtları, 2005 - 2007
Turan B., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Hücre içi iyon görüntüleme sistemi, 2000 - 2001
Turan B., TUBITAK Project, Antioksidanların diyabette gözlenen çeşitli organ fonksiyon bozukluklarına etkilerinin elektrofizyolojik biyomekanik ve moleküler biyofizik yöntemlerle incelenmesi, 1997 - 1999
Turan B., TUBITAK Project, Kalp ve damarda endotel ve kas hücresi ilişkisinin incelenmesi, 1994 - 1997
TURAN B., TUBITAK Project, Kalp ve damarda endotel ve kas hücresi ilişkilerinin incelenmesi, 1994 - 1997
Turan B., TUBITAK Project, Kalp fonksiyon bozukluğunda rol alan kontrolsüz sarkoplazmik retikulum Ca²⁺ sızıntısı ile ilgili moleküler mekanizmalar, 1995 - 1996

Activities in Scientific Journals

ANATOLIAN JOURNAL OF CARDIOLOGY, Assistant Editor/Section Editor, 2021 - Continues
BIOLOGICAL TRACE ELEMENT RESEARCH, Assistant Editor/Section Editor, 2020 - Continues
MOLECULAR AND CELLULAR BIOCHEMISTRY, Assistant Editor/Section Editor, 2020 - Continues
Ankara Medical Journal, Advisory Committee Member, 2020 - Continues
FRONTIERS IN PHYSIOLOGY, Assistant Editor/Section Editor, 2020 - Continues
Cardiovascular Toxicology, Assistant Editor/Section Editor, 2000 - Continues

Memberships / Tasks in Scientific Organizations

International Academy of Cardiovascular Sciences European Section, Board Member, 2010 - Continues, Hungary
International Academy of Cardiovascular Sciences, Principal Member, 2005 - Continues, Canada
International Society of Heart Research, Principal Member, 2003 - Continues, Germany
American Biophysical Society, Member, 1995 - Continues, United States Of America
Türk Biyofizik Derneği, Principal Member, 1987 - Continues, Turkey

Scientific Refereeing

Research Project To Be Started., Bilimsel etik kurul, Lokman Hekim University, Turkey, December 2023
Research Project To Be Started., LHU Sağlık Bilim. Fak., Lokman Hekim University, Turkey, November 2023
Research Project To Be Started., LHU sağlık Bilim. Fak., Lokman Hekim University, Turkey, September 2023
Research Project To Be Started., LHU Ergoterapi, Lokman Hekim University, Turkey, September 2023
Research Project To Be Started., LHU Ankara hastanesi, Lokman Hekim University, Turkey, September 2023
Research Project To Be Started., LHU sağlık Bilim. Fak., Lokman Hekim University, Turkey, September 2023
Research Project To Be Started., Ankara Üniv. Kök Hücre Enst., Lokman Hekim University, Turkey, August 2023
ACTA PHYSIOLOGICA SCANDINAVICA, SCI Journal, July 2023
HISTOLOGY AND HISTOPATHOLOGY, SCI Journal, July 2023
BIOLOGICAL TRACE ELEMENT RESEARCH, SCI Journal, July 2023
JOURNAL OF BIOMECHANICS, SCI Journal, July 2023
JOURNAL OF PHARMACEUTICAL ANALYSIS, SCI Journal, July 2023
Research Project To Be Started., Lokman Hekim Üniversitesi Dil ve Konuşma Terapisi Bölümü, Lokman Hekim University, Turkey, July 2023
Research Project To Be Started., Lokman Hekim Üniv. Sağlık Bilimleri Fakültesi, Lokman Hekim University, Turkey, July 2023
Research Project To Be Started., Lokman Hekim Üniversitesi KBB AD, AKAY Hastanesi, Lokman Hekim University, Turkey, July 2023

BIOLOGICAL TRACE ELEMENT RESEARCH, SCI Journal, June 2023
BIOCHIMICA ET BIOPHYSICA ACTA - MOLECULAR BASIS OF DISEASE, SCI Journal, June 2023
CANADIAN JOURNAL OF PHYSIOLOGY AND PHARMACOLOGY, SCI Journal, May 2023
JOURNAL OF GENERAL PHYSIOLOGY, SCI Journal, May 2023
JOURNAL OF TRACE ELEMENTS IN MEDICINE AND BIOLOGY, SCI Journal, May 2023
TUBITAK Project, 3501 - National Young Researcher Career Development Program, Lokman Hekim University, Turkey, May 2023
Research Project To Be Started., Bilimsel etik kurul, Lokman Hekim University, Turkey, May 2023
Research Project To Be Started., LHU Sağlık Bilim. Fak., Lokman Hekim University, Turkey, May 2023
Research Project To Be Started., Ankara 29 Mayıs Devlet Hastanesi, Lokman Hekim University, Turkey, May 2023
BULLETIN OF EXPERIMENTAL BIOLOGY AND MEDICINE, SCI Journal, April 2023
FRONTIERS IN PHARMACOLOGY, SCI Journal, April 2023
JOURNAL OF TRACE ELEMENTS IN MEDICINE AND BIOLOGY, SCI Journal, April 2023
ANATOLIAN JOURNAL OF CARDIOLOGY, SCI Journal, April 2023
Research Project To Be Started., LHU Sağlık Bilimleri fakültesi, Lokman Hekim University, Turkey, April 2023
ACTA PHYSIOLOGICA SCANDINAVICA, National Scientific Refreed Journal, March 2023
BIOLOGICAL TRACE ELEMENT RESEARCH, SCI Journal, March 2023
JOURNAL OF TRACE ELEMENTS IN MEDICINE AND BIOLOGY, SCI Journal, March 2023
Research Project To Be Started., Lokman Hekim Üniv. Ankara Hastanesi, Lokman Hekim University, Turkey, March 2023
Research Project To Be Started., Altındağ/Necatibey mesleki ve teknik Anadolu lisesi, Lokman Hekim University, Turkey, March 2023
FRONTIERS IN CARDIOVASCULAR MEDICINE, SCI Journal, February 2023
CARDIOVASCULAR TOXICOLOGY, SCI Journal, February 2023
ANATOLIAN JOURNAL OF CARDIOLOGY, SCI Journal, February 2023
JOURNAL OF TRACE ELEMENTS IN MEDICINE AND BIOLOGY, SCI Journal, February 2023
BIOLOGICAL TRACE ELEMENT RESEARCH, SCI Journal, February 2023
HISTOLOGY AND HISTOPATHOLOGY, SCI Journal, January 2023
ANATOLIAN JOURNAL OF CARDIOLOGY, SCI Journal, January 2023
JOURNAL OF TRACE ELEMENTS IN MEDICINE AND BIOLOGY, SCI Journal, January 2023
TUBITAK Project, 3501 - National Young Researcher Career Development Program, Lokman Hekim University, Turkey, January 2023
PLOS ONE, SCI Journal, October 2022
JOURNAL OF TRACE ELEMENTS IN MEDICINE AND BIOLOGY, SCI Journal, October 2022
CANADIAN JOURNAL OF PHYSIOLOGY AND PHARMACOLOGY, SCI Journal, October 2022
CARDIOVASCULAR TOXICOLOGY, SCI Journal, October 2022
BIOLOGICAL TRACE ELEMENT RESEARCH, SCI Journal, October 2022
ANATOLIAN JOURNAL OF CARDIOLOGY, SCI Journal, August 2022
ANATOLIAN JOURNAL OF CARDIOLOGY, SCI Journal, August 2022
TUBITAK Project, 2236 - Program for Supporting International Researchers, Lokman Hekim University, Turkey, August 2022
Kocatepe Tıp Dergisi , National Scientific Refreed Journal, July 2022
ANATOLIAN JOURNAL OF CARDIOLOGY, SCI Journal, June 2022
Horizon Europe Project, Horizon Europe Project, INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE , France, June 2022
Horizon Europe Project, Horizon Europe Project, CENTRE HOSPITALIER REGIONAL ET UNIVERSITAIRE DE BR , France, June 2022
Horizon Europe Project, Horizon Europe Project, KAROLINSKA INSTITUTET , Sweden, June 2022
Horizon Europe Project, Horizon Europe Project, UNIVERSITAETSMEDIZIN BERLIN , Germany, June 2022
BIOLOGICAL TRACE ELEMENT RESEARCH, SCI Journal, May 2022
BIOLOGICAL TRACE ELEMENT RESEARCH, SCI Journal, April 2022
JOURNAL OF TRACE ELEMENTS IN MEDICINE AND BIOLOGY, SCI Journal, April 2022

JOURNAL OF CARDIOVASCULAR TRANSLATIONAL RESEARCH, SCI Journal, April 2022
Ankara Universitesi Tıp Fakültesi Mecmuası, National Scientific Refreed Journal, April 2022
Ankara Universitesi Tıp Fakültesi Mecmuası, National Scientific Refreed Journal, March 2022
BIOLOGICAL TRACE ELEMENT RESEARCH, SCI Journal, March 2022
JOURNAL OF TRACE ELEMENTS IN MEDICINE AND BIOLOGY, SCI Journal, March 2022
MOLECULAR AND CELLULAR BIOCHEMISTRY, National Scientific Refreed Journal, March 2022
BIOLOGICAL TRACE ELEMENT RESEARCH, SCI Journal, March 2022
ANATOLIAN JOURNAL OF CARDIOLOGY, SCI Journal, March 2022
Ankara Universitesi Tıp Fakültesi Mecmuası , National Scientific Refreed Journal, March 2022
TUBITAK Project, 2232 - Dormitory Research Scholarship Program, Bahcesehir University, Turkey, March 2022
CARDIOVASCULAR TOXICOLOGY, SCI Journal, February 2022
BIOLOGICAL TRACE ELEMENT RESEARCH, SCI Journal, February 2022
CARDIOVASCULAR RESEARCH, SCI Journal, February 2022
CARDIOVASCULAR TOXICOLOGY, SCI Journal, February 2022
FREE RADICAL BIOLOGY AND MEDICINE, SCI Journal, January 2022
ANATOLIAN JOURNAL OF CARDIOLOGY, SCI Journal, January 2022
MOLECULAR AND CELLULAR BIOCHEMISTRY, SCI Journal, January 2022
BIOLOGICAL TRACE ELEMENT RESEARCH, SCI Journal, January 2022
CARDIOVASCULAR RESEARCH, SCI Journal, January 2022
ANATOLIAN JOURNAL OF CARDIOLOGY, SCI Journal, January 2022
ANATOLIAN JOURNAL OF CARDIOLOGY, SCI Journal, January 2022
TUBITAK Project, 1002 - Quick Support Program, Yozgat Bozok University, Turkey, October 2021
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Karadeniz Technical University, Turkey, October 2021

Scientific Consultations

Üniversite, Project Consultancy, Lokman Hekim University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, Turkey, 2023 - Continues
Üniversite, Project Consultancy, Lokman Hekim University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, Turkey, 2023 - Continues
Ankara Üniversitesi, Project Consultancy, Lokman Hekim University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, Turkey, 2023 - Continues
Üniversite, Project Consultancy, Lokman Hekim University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, Turkey, 2021 - Continues
Üniversite, Project Consultancy, Lokman Hekim University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, Turkey, 2021 - Continues
HORIZON -HLT-2022-TOOL, Project Consultancy, Lokman Hekim University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, Turkey, 2022 - 2022

Tasks In Event Organizations

Turan B., 4.Uluslararası 33.Ulusal Biyofizik Kongresi, Adıyaman, 2022, Scientific Congress, Adıyaman, Turkey, Eylül 2022
Turan B., Temel bilimlerin epidemiyolojik gözlemsel araştırmalarda önemi , Workshop Organization, Ankara, Turkey, Mart 2022
Turan B., Translasyonel Tıp Alanında Proje Hazırlama, Yazma ve Yürütme Eğitimi Ankara 2022, Workshop Organization, Ankara, Turkey, Şubat 2022

Scientific Research / Working Group Memberships

Cardioinvo, Universita Degli Studi di Trieste, Italy, <https://www.icgeb.org/>, 2024 - Continues

Eu Meta-Heart, Hochschule für Musik Würzburg, Germany, <https://www.cost.eu/actions/CA22169/>, 2023 - Continues

Metrics

Publication: 305

Citation (WoS): 2966

Citation (Scopus): 3701

H-Index (WoS): 30

H-Index (Scopus): 33

Congress and Symposium Activities

Agenda of the 1st Management Committee Meeting Action CA22169 - EU-METAHEART, Audience, Brussels, Belgium, 2023

Importance of scientific research in medicine, Invited Speaker, Ankara, Turkey, 2022

8th European Section Meeting of the International Academy of Cardiovascular Sciences , Invited Speaker, Szeged, Hungary, 2022

North American Meeting of the International Society for Heart Research and International Academy of Cardiovascular Sciences, Invited Speaker, Winnipeg, Canada, 2022

4th International 33rd National Biophysics Congress 2022 , Panelists, Adiyaman, Turkey, 2022

4th International 33rd National Biophysics Congress 2022 , Moderator, Adiyaman, Turkey, 2022

9th EU-CARDIOPROTECTION COST Action Final MC/WG meeting , Invited Speaker, Coimbra, Portugal, 2022

66th Biophysical Society Annual meeting, Attendee, California, United States Of America, 2022

Pathophysiology at the Heart of Medicine, Invited Speaker, Timisoara, Romania, 2021

CA20104 – Network on evidence-based physical activity in old age [PhysAgeNet], Audience, Piran, Slovenia, 2021

2nd Conditioning Medicine Virtual Workshop, Audience, London, England, 2021

32. Ulusal Biyofizik Kongresi, Moderator, Adana, Turkey, 2021

8th EU-CARDIOPROTECTION COST Action WG Meeting, Invited Speaker, Barcelona, Spain, 2021

7th MEETING OF THE EUROPEAN SECTION AND 8th MEETING OF THE NORTH AMERICAN SECTION OF THE INTERNATIONAL ACADEMY OF CARDIOVASCULAR SCIENCES (IACS), Invited Speaker, Banja Luka, Bosnia And Herzegovina, 2021

Representation and Promotion Activities

Institutional Promotion, Okyanus koleji öğrencileri, Turkey, Ankara, 2023 - 2023

Institutional Promotion, Okyanus koleji, Turkey, Ankara, 2023 - 2023

Institutional Representation, Lokman Hekim Üniversitesi, Turkey, Ankara, 2022 - 2023

Institutional Representation, Lokman Hekim, Turkey, Ankara, 2022 - 2023

Institutional Representation, Lokman Hekim Üniversitesi, Turkey, Ankara, 2022 - 2023

Institutional Representation, Lokman Hekim Üniversitesi Tıp fakültesi, Turkey, Ankara, 2022 - 2023

Institutional Representation, Lokman Hekim Üniversitesi, Turkey, Ankara, 2022 - 2023

Institutional Representation, Lokman Hekim Üniv. Tıp Fakültesi, Turkey, Ankara, 2022 - 2023

Institutional Representation, Lokman Hekim Üniversitesi, Turkey, Ankara, 2022 - 2023

Institutional Promotion, Lokman Hekim üniversitesi, Turkey, Ankara, 2022 - 2022

Institutional Promotion, Lokman Hekim üniv., Turkey, Ankara, 2022 - 2022

Institutional Promotion, Lokman Hekim Üniv, Turkey, Ankara, 2022 - 2022