BELMA TURAN

PROFESÖR

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Öğrenim Bilgisi

Bütünleşik Doktora 1977-1982	ANKARA ÜNİVERSİTESİ TIP FAKÜLTESİ/TEMEL TIP BİLİMLERİ/BİYOFİZİK ANABİLİM DALI Tez adı: Kanda Bulunan Cu2 ve Fe3 Paragenetik Metal İyonları Özelliklerinden Yararlanılarak Normal ve Hasta İnsan Kanının ESR Yöntemiyle İncelenmesi (1982) Tez Danışmanı:(Ziya GÜNER)
Lisans 1972-1976	ORTA DOĞU TEKNİK ÜNİVERSİTESİ FEN-EDEBİYAT FAKÜLTESİ/FİZİK BÖLÜMÜ

Görevler

PROFESÖR 2020-	LOKMAN HEKİM ÜNİVERSİTESİ TIP FAKÜLTESİ/TEMEL TIP BİLİMLERİ BÖLÜMÜ/BİYOFİZİK ANABİLİM DALI)
FELLOW 2005	INTERNATİONAL ACADEMY OF CARDİOVASCULAR SCİENCES CARDİOVASCULAR RESEARCHES
PROFESÖR 1993-2020	ANKARA ÜNİVERSİTESİ TIP FAKÜLTESİ/TEMEL TIP BİLİMLERİ BÖLÜMÜ/BİYOFİZİK ANA BİLİM DALI)

DOÇENT 1987-1993	ANKARA ÜNİVERSİTESİ TIP FAKÜLTESİ/TEMEL TIP BİLİMLERİ BÖLÜMÜ/BİYOFİZİK ANA BİLİM DALI)
DR. ARAŞTIRMA GÖREVLİSİ 1984-1987	ANKARA ÜNİVERSİTESİ TIP FAKÜLTESİ/TEMEL TIP BİLİMLERİ BÖLÜMÜ/FİZYOLOJİ ANA BİLİM DALI)
DR. ARAŞTIRMA GÖREVLİSİ 1982-1984	ANKARA ÜNİVERSİTESİ TIP FAKÜLTESİ/TEMEL TIP BİLİMLERİ BÖLÜMÜ/MEDİKAL FİZİK/BİYOFİZİK ANA BİLİM DALI)
ARAŞTIRMA GÖREVLİSİ 1977-1982	ANKARA ÜNİVERSİTESİ MEDİKAL FİZİK KÜRSÜSÜ

Yönetilen Tezler

Yüksek Lisans

1. Mesut Kılıç: Selenyum ve E vitamin eksikliği: papiller kasın elektrofizyolojik ve mekaniksel fonksiyonları, 1997.
2. Murat Ayaz: Selenyumun deneysel diyabetik sıçan kalbi ventrikül kasının elektriksel ve mekaniksel aktivitesi üzerine etkileri, 2000.
3. Tülay Tuncer: E vitamininin deneysel diyabetik sıçan atriyal aktiviteleri üzerindeki etkilerinin elektrofizyolojik yöntemlerle incelenmesi, 2000.
4. Ayça Bilginoğlu: Diyabetik kardiyomiyopatide β-adrenergic reseptör yanıtları, 2005.
5. Pınar Şam: Yaşlanmanın kalpteki β-adrenergic reseptör yanıtları üzerindeki etkisinin incelenmesi, 2006.
6. Evrim Tanrıverdi: Deneysel diyabette gözlenen vasküler fonksiyon bozukluklarında sodyumselenat uygulamasının etki mekanizmalarının incelenmesi, 2007.
7. Erkan Tuncay: Diyabetik kardiyomiyopatide seçici olmayan beta blokör etkilerinin elektrofizyolojik yöntemlerle incelenmesi, 2008.
8. Aytaç Seymen: Yaşlanmaya bağlı kalp fonksiyon değişikliklerinde beta adrenerjik sistemin rolünün elektrofizyolojik yöntemlerle incelenmesi, 2008.
9. Esma Nur Zeydanlı: Matriks metalloproteneazların diyabetik sıçanların endotel bağımlı damar fonksiyonlarındaki rolü, 2008.
10. Samet Yıldırım: Diyabetik kardiyomiyopatide mikroRNA'ların rolü, 2010.
11. Vedia Deletioğlu: Çinko ve selenyumun antioksidan özelliklerinin oksidatif stres indüklü DNA radikallerinin immün-spin yakalama yöntemi kullanılarak incelenmesi, 2015.
12. Sinan Değirmenci: Ventriküler kardiyomiyositlerde hücre içi serbest Zn2+ artışının K-kanal akımlarına etkilerinin incelenmesi, 2016.

13. Gülay Sencar: Lipoik asitin yaşlı Memeli Kalp Fonksiyonuna Etkisinin Yaşlanma Modeli Geliştirilmiş Ventriküler H9C2 Hücre Hattında Mitokondri Fonksiyonu İncelenerek Değerlendirilmesi. 2018, Devam ediyor (Eş danışman; Disiplinler arası Gıda, Metabolizma ve Klinik Beslenme programı).

14. İrem Aktay: Biyofizik, Devam ediyor, 2019 (Eş danışman).

15. Kardelen Genç: Kök Hücre, Devam ediyor, 2020 (Eş danışman)

Doktora

1. Ömer Hotomaroğlu: Ventrikül kasılmasında oksidan stresin rolünün elektrofizyolojik olarak incelenmesi, 1996.

2. Mehmet Uğur: Hücre dışı adenozin trifosfat uygulamasının izole kardiyak miyositlerdeki etkilerinin tüm-hücre patch clamp yöntemi ile incelenmesi, 2000.

3. Murat Ayaz: Deneysel diyabetik kardiyomiyopatide hücre içi serbest iyon derişimi, 2004

4. Semir özdemir: Anjiyotensin II reseptörünün deneysel diyabetik sıçan kalbi elektriksel aktivitesindeki rolü, 2004.

5. Nazmi Yaraş: Diyabetik sıçan kalbi kalsiyum homeostazını düzenleyen mekanizmaların incelenmesi, 2007.

6. Ayça Bilginoğlu: Kardiyomiyositlerde hücre içi sodyum homeostazında rol oynayan faktörlerin incelenmesi, 2010

7. Aylin Geçer: Suda çözünen nanokitosan sentezi, 2010 (Eş danışman, Fen bilimleri enstitüsü).

8. Erkan Tuncay: Kalp fonksiyon bozukluğunda rol oynayan hücre içi Zn2+ derişimi ve kontrolsüz sarkoplazmik retikulum Ca2+ sızıntısı arasındaki ilişkinin elektrofizyolojik ve biyokimyasal tekniklerle incelenmesi, 2014

9. H. Burak Kandilci; İzole memeli ventriküler miyositlerinde sodyum-hidrojen değiş- tokuşcusunun hioksik duyarlığı ATPnin rolü, 2014.

10. Esma Nur Okatan: Diyabet kaynaklı kalp fonksiyon bozukluğunda hücre içi iyon derişimleri ile fosfodiesterazların aktiviteleri arasındaki ilişkinin tip 2 obez-sıçan modelinde incelenmesi, 2015.

11. Ayşegül Toy Durak: İnsülin Direnci Gelişmiş Sıçan Kardiyomiyositlerinde İyon Kanallarının Fonksiyon ve Yapısının Elektrofizyolojik ve Moleküler Biyolojik Tekniklerle İncelenmesi, 2017.

12. Yusuf Olğar: Çinko- taşıyıcıları ve mitokondri ilişkisinin yaşlanmaya bağlı kalp fonksiyon bozukluğundaki rolünün incelenmesi, 2018.

13. Sinan Değirmenci: Sıçan atriyal hücrelerinde ATP duyarlı K+-kanalların incelenmesi, 2018 (devam ediyor)

14. Bengisu Kevser Bulduk: 2019, Ders aşamasında (Disiplinler arası Kök Hücre programı,dondurulduk).

Araştırma Alanları

Kardiak elektrofizyoloji

Kalsium iyon regülasyonu

Çinko iyon regülasyonu

Oksidant stres

Antioksidanlar

Diyabetik kardiyomiyopati

Yaşlanma ve kalp fonksiyon bozukluğu

Sarko(endo)plazmik reticulum-mitokondri kominikasyonu

Projelerde Yaptığı Görevler

TÜBİTAK Projeleri

1- Kardiyomyositlerde Endoplazmik Retikülüm stresi hücre içi serbest Zn Regülasyonu ve mitokondri arsındaki çarpraz ilişkinin kalp fonksiyon bozukluğu patolojisindeki rolünün incelenmesi, Tübitak SBAG-119S661, 01 Kasım 2019 – 01 Ocak 2022 (Yürütücü, devam ediyor).

2- Çinko- taşıyıcıları ve mitokondri ilişkisinin yaşlanmaya bağlı kalp fonksiyon bozukluğundaki rolünün incelenmesi, Tübitak SBAG-216S979, 15 Mart 2018- 15 Mart 2021 (Yürütücü, devam ediyor).

3- Hipertrofik kardiyomiyositlerde β3adrenerjik reseptör aktivasyonunun hücre içi Ca2+ ve Na+ homeostazları üzerindeki olası rolünün incelenmesi, Tübitak SBAG-214S254, 15 Nisan 2015-15 Nisan 2018 (Yürütücü, tamamlandı).

4- Hipertrofik Kalp Yetmezliği Modelinde Rho-Kinaz'ın Rolünün Elektrofizyolojik Yöntemlerle İncelenmesi, Tübitak SBAG-113S296, 15 Eylük 2013-15 Eylül 2015 (Araştırmacı, tamamlandı).

5- Kardiyomiyositlerde endoplazmik retikulum stresi, hücre içi serbest Zn2+ regülasyonu ve mitokondri arasındaki çapraz ilişkinin kalp fonksiyon bozukluğu patolojisindeki rolünün incelenmesi, Tübitak SBAG-113466, 15 Kasım 2013-15 Kasım 2016 (Yürütücü, tamamlandı).

6- Kalp fonksiyon bozukluğunda rol alan kontrolsüz sarkoplazmik retikulum Ca2+ sızıntısı ile ilgili moleküler mekanizmalar, Tübitak SBAG-111S042, 01 Eylül 2011-01 Eylül 2014 (Yürütücü, tamamlandı).

7- Hipoksinin normal ve hiperglisemik HL1 kardiyomiyositlerinde Na/H değiştokuşcusu ve Na/HCO3 ko-transportu aktive ve ekspresyonu üzerine etkileri, Tübitak SBAG-109S267, 15 Mart 2010-15 Mart 2013 (Yürütücü, tamamlandı).

8- Kardiyomiyositlerde Hücreiçi Zn2+ Homeostazı: Hücreiçi Serbest Zn2+ ve Matriks Metalloproteinazların rolü, Tübitak SBAG-107S427, 01 Mart 2008-01 Mart 2011 (Yürütücü, tamamlandı).

9- Tip I diyabetik kardiyomiyopatide yeni bir tedavi hedefi: Ryanodin reseptörleri, Tübitak SBAG- SBAG-107S304, 15 Nisan 2008-15 Nisan 2011 (Yürütücü, tamamlandı).

10- Diyabetik kardiyomiyopatide tedavi için yeni ilaç hedefleri, Tübitak SBAG- SBAG– 105S149, 01 Ocak 2006-01 Ocak 2008 (Yürütücü, tamamlandı).

11- Diyabetik sıçan kardiyomiyositlerinde beta-adrenerjik reseptör yanıtları, Tübitak SBAG– 104S591, 01 Temmuz 2005-01 Temmuz 2007 (Yürütücü, tamamlandı).

12- Antioksidanların diyabette gözlenen çeşitli organ fonksiyon bozukluklarına etkilerinin elektrofizyolojik, biyomekanik ve moleküler biyofizik yöntemlerle incelenmesi, Tübitak SBAG-1732, 01 Ağustos 1997-01 Ağustos 1999 (Yürütücü, tamamlandı).

13- Kalbin regülasyonunda oksidant stresin rolünün elektrofizyolojik yöntemlerle incelenmesi, Tübitak, SBAG-AYD-69, 01 Ekim 1995-01 Ekim 1996 (Yürütücü, tamamlandı).

14- Kalp ve damarda endotel ve kas hücresi ilişkilerinin incelenmesi, Tübitak SBAG-1253, 01 Kasım 1994-01 kasım 1997 (Araştırmacı, tamamlandı).

15- Osteoporotik insan ve hayvan kemiklerinde malzeme özelliklerinin mekanik ve ultrasonik yöntemlerle incelenmesi, Tübitak MISAG-27, 30 Eylül 1992-31 Mart 1995 (Araştırmacı, tamamlandı).

Devlet Planlama Teşkilatı (DPT)

1- Anjiyotensin reseptör antagonistlerinin diyabetik kardiyomiyopati tedavisinde rolü, DPT 2001K120-240, 26 Nisan 2005-26 Nisan 2007, (Yürütücü, tamamlandı).

2- İki Foton Floresan Lazer Mikroskopi Hücresel Görüntüleme Sistemi, DPT 2003K120-240, 31 Aralık 2006-31 Aralık 2007 (Yürütücü, tamamlandı).

3- Hücreiçi iyon görüntüleme sistemi, DPT 99K120190, 01 Ocak 2000-01 Ocak 2003 (Yürütücü, tamamlandı).

Bilimsel Araştırma Projeleri (BAP)

1- Memeli atriyal hücrelerinde aTPduyarlı katyon kanallarının yaşlanmamay bağlı kalp fonksiyon değişikliklerindeki rolünün incelenmesi, 19L0230014, 16 Eylül 2019-16 Eylül 2021 (Yürütücü, devam ediyor).

2- İnsülin direnci gelişmiş sıçan kardiyomiyositlerinde iyon kanallarının fonksiyon ve yapısının elektrofizyolojik ve biyokimyasal yöntemlerle incelenmesi, 16L0230004, 01 Eylül 2016-01 Eylül 2018 (Yürütücü, tamamlandı).

3- Kardiyomiyosit ve nöronal kültüre hücrelerde hücre içi serbest iyonların değişimlerinin karşılaştırmalı olarak incelenmesi, 12B3330005, 02 Ocak 2012-02 Ocak 2014 (Yürütücü, tamamlandı).

4- Kardiyomiyositlerde hücreiçi Na+ ve H+ homeostazında rol oynayan faktörlerin incelenmesi 09B3330011, 15 Nisan 2009-15 Nisan 2011 (Yürütücü, tamamlandı).

5- Diyabetik sıçan kalbinin omega3E'ye mekaniksel ve elektriksel yanıtları, 2006-08-09233, 27 Nisan 2006-27 Nisan 2009 (Yürütücü, tamamlandı).

6- Deneysel diyabetik kardiyomiyopatide hücreiçi serbest iyon derişimi, 2003-08-09098, 25 Şubat 2003-25 Şubat 2005 (Yürütücü, tamamlandı).

7- Anjiyotensin II reseptörünün deneysel diyabetik sıçan kalbi uyarılma-kasılma çiftlenimindeki rolünün incelenmesi, 2003-08-09110, 01 Ocak 2003-01 Ocak 2005 (Yürütücü,tamamlandı).

8- Anjiyotensin reseptör antagonistlerinin deneysel diyabetik sıçan kalbi elektriksel aktivitesine etkileri, 2001-08-09061, 01 Haziran 2001-01 Kasım 2002 (Yürütücü, tamamlandı).

9- Deneysel diyabetik sıçan kalbi atriyal ve papiller kasında gözlenen değişikliklerin simültane olarak elektrofizyolojik yöntemlerle incelenmesi, 99-09-00-10, 29 Kasım 1999-29 Kasım 2001 (Yürütücü, tamamlandı).

10- Deneysel diyabetik kardiyomiyopatinin Ca-kanal kinetiklerine etkisinin patch-clamp yöntemi ile incelenmesi, 98-09-00-05, 01 Ocak 1997-01 Ocak 1998 (Yürütücü, tamamlandı).

11- Kalp kası regülasyonunda uyarılma kasılma çiftlenimi üzerine etkili faktörlerin araştırılması, 90-09-00-28, 10 Ocak 1991-10 Ocak 1994 (Yürütücü, tamamlandı).

Uluslararası Projeler

1- COST Action CA 19137: Sudden cardiac arrest prediction and resuscitation network: Improving the quality of care, May 2020 –May 2024 (MC member, devam ediyor).

2- COST Action CA 16225: EU-CARDIOPROTECTION, October 2017- March 2022 (MC member, devam ediyor).

3- COST Action CA 15203: MitoEAGLE, December 2016- May 2021 (MC member, devam ediyor).

4- COST Action TD 1304: Zinc-Net, October 2013 – October 2017 (MC member, tamamlandı).

5- COST Action CM 1003: Biological oxidation reactions - mechanisms and design of new catalysts, May 2011- May 2015 (MC member, tamamlandı).

6- COST Action BM 1203: EU-ROS, December 2012- December 2016 (MC member, tamamlandı).

7- COST Action TD0901: Hypoxia sensing, signalling and adaptation, November 2009- November 2013 (MC member, tamamlandı).

8- COST Action BM 0602: Adipose Tissue: A Key Target for Prevention of the Metabolic Syndrome, December 2008 December 2011 (MC member, tamamlandı).

İdari Görevler

ANA BİLİM DALI BAŞKANI 2020	LOKMAN HEKİM ÜNİVERSİTESİ TIP FAKÜLTESİ/ TEMEL TIP BİLİMLERİ BÖLÜMÜ/ BİYOFİZİK ANA BİLİM DALI
ANA BİLİM DALI BAŞKANI 2000-2020	ANKARA ÜNİVERSİTESİ TIP FAKÜLTESİ/ TEMEL TIP BİLİMLERİ BÖLÜMÜ/ BİYOFİZİK ANA BİLİM DALI
EĞİTİM SORUMLUSU (BİYOFİZİK, DÖNEM I-DÖNEM II) 1993-2020	ANKARA ÜNİVERSİTESİ TIP FAKÜLTESİ/ TEMEL TIP BİLİMLERİ BÖLÜMÜ/ BİYOFİZİK ANA BİLİM DALI
GENEL SEKRETER 1998-2000	TÜRK BİYOFİZİK DERNEĞİ
UYGULAMA LAB. KOMİSYON ÜYESİ 2003-2020	ANKARA ÜNİVERSİTESİ TIP FAKÜLTESİ
DENEY HAYVANLARI KOM. BAŞK. 2018-2020	ANKARA ÜNİVERSİTESİ TIP FAKÜLTESİ

Ödüller- Burslar

Distinguished Leadership Award in Cardiovascular Sciences, International Academy of Cardiovascular Sciences, 2019

Poster Birincilik Ödülü, Türk Biyofizik Derneği, 2017

Deneysel Diyabetoloji Kategorisi Birincilik ödülü, Türk Diyabet Vafkı ve Diyabet Derneği, 2017

Excellence in Cardiovascular Sciences Award, International Academy of Cardiovascular Sciences, 2014

Araştırmacı Öğretim Üyesi Bursu, YÖK, 2012

Lifetime Achievement Award in Cardiovascular Sciences, Medicine and Surgery, International Academy of Cardiovascular Sciences, 2011

International Travel Award of American Biophysical Society, American Biophysical Society, 2006

Distinguished Service Award in Cardiovascular Sciences, Medicine and Surgery, International Academy of Cardiovascular Sciences, 2005

Foreinger Grants, French Ministry, 1993-1999 (2 yıl)

Foreinger Grants, French Ministry 2000-2007 (1 yıl 4 ay)

Poster Birincilik Ödülü, Türk Biyofizik Derneği, 1999

Sağlık Bilimleri Araştırma birincilik ödülü, Ankara Üniversitesi, 1998

Araştırma Desteği, Ankara Üniversitesi, 1992
Genç Araştırmacı bursu, International Centre for Theoretical Physics, 1986

Genç Araştırmacı bursu, International Centre for Theoretical Physics, 1984

Yurt Dışı Uzun ve Kısa Süreli Görevlendirmeler

GÖREV DÖNEMİ	ÜNVAN	ÜNİVERSİTE	BÖLÜM
2012 (Haziran-Eylül)	Misafir Araştırmacı	NIH National Institute of Environmental Health Sciences	Free radical metabolism
2007 (3 hafta)	Misafir Araştırmacı	INSERM U-390	Physiopathologie Cardiovasculaire
2006 (4 hafta)	Misafir Araştırmacı	INSERM U-390	Physiopathologie Cardiovasculaire
2005 (2 hafta)	Misafir Araştırmacı	INSERM U-390	Physiopathologie Cardiovasculaire
2004 (4 hafta)	Misafir Araştırmacı	INSERM U-390	Physiopathologie Cardiovasculaire
2003 (Nisan-Eylül)	Misafir Araştırmacı	Univ. Manitoba	Inst. Cardiovasc. Sciences
2003 (Ekim-Aralık)	Misafir Araştırmacı	INSERM U-390	Physiopathologie Cardiovasculaire
2000 (Temmuz,4 hafta)	Misafir Araştırmacı	INSERM U-390	Physiopathologie Cardiovasculaire
1999 (Mayıs-Eylül)	Misafir Araştırmacı	INSERM U-390	Physiopathologie Cardiovasculaire
1998 (Mayıs-Ağustos)	Misafir Araştırmacı	INSERM U-390	Physiopathologie Cardiovasculaire

1997 (Ağustos, 4 hafta)	Misafir Araştırmacı	INSERM U-390	Physiopathologie Cardiovasculaire
1995 (Mayıs-Eylül)	Misafir Araştırmacı	Ottawa University	Physiology
1994 (Haziran, 4 hafta)	Misafir Araştırmacı	Ottawa University	Physiology
1994 (Temmuz-Eylül)	Misafir Araştırmacı	INSERM U-390	Physiopathologie Cardiovasculaire
1993 (Haziran-Temmuz)	Misafir Araştırmacı	INSERM U-241	Laboratoire de Physiologie Cellulaire Cardiaque
1992 (Haziran-Eylül)	Misafir Araştırmacı	INSERM U-241	Laboratoire de Physiologie Cellulaire Cardiaque

Eserler

A. WEB of SCI- Indexıne Kayıtlı Dergılerde Yayınlanan Makaleler

1. Delilbaşı E., Turan B., Yücel E., Temizer A., Kır S. The quantitative investigation of infrared Laser effects on the level of copper and zinc in various tissues, Clinical Physics and Physiological Measurements, 9(4), 375-377,1988.

2. Delilbaşı E., Turan B., Yücel E., Şaşmaz R., Işımer A., Sayal A. Selenium and Behçet'sDisease, Biological Trace Element Research, 28(1), 21-25, 1991.
3. Turan B., Dalay N., Delilbaşı E. A Possible Relationship Between Serum Satellite DNA and Cellular Antioxidative Mechanism, Spectroscopy Letters, 24(6), 865-871, 1991.

4. Turan B., Yılmaz A., Dalay N. Effects of Selenium Supplementation on the NMR Proton Relaxation Time Tl in Plasma, Spectroscopy Letters 25(8), 1405-1410, 1992.

5. Turan B., Delilbaşı E., Dalay N., Sert S., Afrasyap L., Sayal A. Serum Selenium and Glutathione-Peroxidase Activities and Their Interaction with Toxic Metals in Dialysis and Renal Transplantation Patients, Biological Trace Element Research, 33(3), 95-102, 1992.

6. Turan, B., Delilbaşı E., Sınav, B., Akkaş, N. Zinc-Calcium Interaction in heparin Induced osteoporotic Rabbit Plasma, Trace Elements and Electrolytes, 13 (3), 138-142, 1996.

7. Turan, B., Desilets, M., Açan, L. N., Hotomaroğlu, Ö., Vannier, C., Vassort, G. Oxidative Effects of Selenite on Rat Ventricular Contractility and Ca Movements, Cardiovascular Research, 32, 351-361, 1996.

8. Turan B., Koç E., Zaloğlu N. Deficiency and Toxicity of Selenium Alter the Acetylcholine stimulated contraction of Isolated Rabbit Ileum. Trace Elements and Electrolytes, 14(1), 13-18, 1997.

9. Turan B., Zaloğlu N., Koç E., Saran Y., Akkaş N. Dietary Selenium and Vitamin E Induced Alterations in Some Rabbit Tissues. Biological Trace element Research, 58 (1-2), 1-14, 1997.

10. Turan B., Fliss H., Desilets M. Oxidant-Induced Alteration of Inracellular Free-Zn2+ Concentration in Rabbit Ventricular Myocytes, Am. J. Physiology, 272, (Heart Circ.Physiol. 41), H2095-H2106, 1997.

11. Turan B., Balçık C., Akkaş N. Effect of Dietary Selenium and Vitamin E on the, Biomechanical Properties of Rabbit Bones. Clinical Rheumatology, 16(5), 441-449, 1997.

12. Akkaş N., Yeni Y. N., Turan, B., Delilbaşı, E., Günel, U. Effect of Medication on

Biomedical Properties of Rabbit Bones: Heparin Induced Osteoporosis, Clin. Rheumatology, 16(6), 585-595, 1997.

13. Turan. B, Koç E., Hotomaroğlu O., Kızıltan E., Yıldırım S., Demirel E. Dose and Tissue Dependent Effects of Sodium Selenite on Muscle Contraction. Biological Trace Element Research, 62, 265-280, 1998

14. Baştuğ M., Ayhan S., Turan B. The Effects of Altered Selenium and Vitamin E Nutritional Status on Learning and Memory of Third-generation Rats, Biol. Trace Elem. Research, 64,151-160, 1998.

15. Demirel-Yılmaz E., Dinçer D., Yılmaz G., Turan B. Selenium and Vitamin E alter the microvascular permeability of rat organs. Biological Trace Element Research, 64, 161-168, 1998.

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Uluslararası Dergilerde Görevler

GÖREV DÖNEMİ	GÖREV ÜNVANI	DERGİ ADI
2020-	Yardımcı editör	The Anatolian J. Cardiology
2010-	Yardımcı Editör	Cardiovascular Toxicololgy
2005-	Bord üyesi	Biological Trace Element Res.
2008-	Bord Üyesi	Molecular and Cellular Biochemistry
2010-	Bord Üyesi	CV network

Danışmanlık ve Panelistlik Aktiviteleri

- Reviewer and panelist in projects of TUBITAK
- Reviewer and panelist in EU F7 frame
- Reviewer and panelist in EU Horizon 2020
- Reviewer in Graduate School in Egypt
- Reviewer in Graduate School in India
- Reviewer in Research Unit of Israel
- Reviewer in Research Unit of Canada