

CURRICULUM VITAE



Prof. Dr. Ümit D. MUTLU

Koc University, School of Medicine, Medical Biochemistry Department

umutlu@ku.edu.tr

EDUCATION

- 2017 – **PhD on Medical Education,**
Marmara University, Turkey
- 2011 – 2014 **Health Management, Associate Program**
Open Education, Anadolu University
- Oct 2011 **Health Law Certificate Program,**
Law Faculty, Ozyegin University
- March 2011 **TS EN ISO/IEC 15189 Accreditation Course in Clinical Laboratories**
EGE University, Egesem, İzmir
- Feb 2011 **TSE, TS EN ISO 9001 Quality Management System and Internal Audit Certificate Program**
- Feb – May. 2010 **Hospital Management Certificate Program**
Istanbul University, Faculty of Business Administration
- 1989 – 1993 **Residency**
IU. IU Istanbul Faculty of Medicine, Clinical Biochemistry Department
- 1982 – 1988 **Medical Education**
IU. IU Istanbul Faculty of Medicine

ACADEMIC & PROFESSIONAL EXPERIENCE

- 2017 – **Task Force on Pediatric Laboratory Medicine Corresponding Members**
IFCC (International Federation Clinical Chemistry)
- 05.2015 –02.2019 **Vice Dean for Medical Education**
IU. IU Istanbul Faculty of Medicine
- 05.2015 – 02.2019 **Quality Representative**
IU. IU Istanbul Faculty of Medicine
- 2015 –02.201 **Quality Committee Member**
Istanbul University
- 2010 – 02.2019 **Member of Clinical Laboratory Quality Development Committee**
IU. IU Istanbul Faculty of Medicine
- 2004 – 2019 **Pediatric Laboratory Director,**
IU. IU Istanbul Faculty of Medicine
- 2004 – 2019 **Prof. Clinical Biochemistry Dept.**
IU Istanbul Faculty of Medicine
- 2013 – 2015 **Faculty Board Member**
IU. IU Istanbul Faculty of Medicine
- 2012 – 2014 **Member of the Waste Committee and Member of the Commission on Hazardous Wastes,**
IU Istanbul Faculty of Medicine
- 2011 – 2012 **Member of Revolving Fund Inspection Board**
IU. Istanbul Faculty of Medicine
- 2011 – 2015 **Medical Education Accreditation Coordinator**
IU. Istanbul Faculty of Medicine
- 2010 – 2015 **Member of Academic Evaluation and Quality Improvement Board**
IU. Istanbul Faculty of Medicine
- 2009 – 2010 **Member of Residency Training Coordination Committee**
IU. Istanbul Faculty of Medicine
- 2009 - 2010 **Purchasing Commission Presidency**
IU. Istanbul Faculty of Medicine
- 2006 – 2009 **Local Ethics Committee Membership**
IU. Istanbul Faculty of Medicine

- 1998 – 2004 **Assoc. Prof.** Clinical Biochemistry Dept.
IU Istanbul Faculty of Medicine
- 07.2003 – 07.2004 **Laboratory Research Fellow (Spheroid cell culture)**
Neuropathology Dept, UCSF, San Francisco, USA
- 07.1999 **Short term Visiting Fellow (Oxidative DNA damage, Comet assay)**
DNA Instability Group, Rowett Research Institute, Aberdeen-Scotland
Dr. Andrew Collins, Department Director
- 11.1998 **Short Term Visiting Fellow (Oxidative DNA damage, Comet assay)**
DNA Instability Group, Rowett Research Institute, Aberdeen-Scotland
Dr. Andrew Collins, Department Director
- 11. 1997 **FEBS COURSE**
Cell Culture Techniques, Dublin City University, NCTCC, Dublin, Ireland
- 05-11.1993 **Clinical Biochemist, Compulsory Service**
Elaziğ Government Hospital, Clinical Biochemistry Lab
- 10-12.1992 **Short term Visiting Fellow**
(Studies on antioxidant capacities of plasma and erythrocytes)
Service de Biochimie, Hopital Antoine Béclère, Paris-France
A.Lindenbaum, MS Department Director
- 07.1991 **Enzymology Course,**
Marmara University Medical Faculty
- 09.1988 – 11.1989 **Medical Doctor; Compulsory service**
Küçükçekmece SSK Dispanseri

CLINICAL & RESEARCH INTERESTS
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- Pediatric Laboratory Medicine
- Medical Education
- DNA damage
- Quality Management

PROFESSIONAL SOCIETY MEMBERSHIPS

- Turkish Medical Association, Istanbul
- Turkish Biochemistry Society, Istanbul
- Turkish Clinical Biochemistry Society, Istanbul
- American Association Clinical Chemistry (AACC)

THESIS ADVISORY

Master Degree

- Biol. Zulal Akalın ““Aterosklerotik damar hastalıklarında oksidatif DNA hasarının incelenmesi”

Residency

- Dr. Ebru İlhan “Koroner kalp hastalığında Metilentetrahidrofolat redüktaz polimorfizminin araştırılması”
- Dr.Selda Can Arkaya “Koroner kalp hastalarında statin kullanımının endotel disfonksiyonu üzerine etkileri”
- Dr.Alkın Kumral “Doksozobisin ile oluşturulan oksidatif stres ve doku hasarı üzerine antioksidan etkili bazı bileşiklerin etkisinin incelenmesi”
- Dr.Müge Kanmaz Özer “İÜ İstanbul Tıp Fakültesine Başvuran Pedyatrik Yaş Grubunda Hastaların Biyokimyasal Testleri ile Referans Aralıkları Çalışması”

PUBLICATION INFORMATION

Publications in international peer reviewed journals	51
Books & Book Chapters	3
Citations [<i>as of October 2015</i>]	775

PUBLICATIONS

1. Koçak-Toker N, **Mutlu Türkoğlu Ü**, Alptekin N and Uysal M: Effect of depletion of glutathione by buthionine sulfoximine on lipid peroxidation in rats acutely treated with ethanol. Int J Biochem 25: 1765-1768, 1993
2. Gökkusu C, Ademoglu E, **Mutlu Türkoğlu Ü**, Öz H and Öz F: Thymosin 1 protects liver and aorta from oxidative damage in atherosclerotic rabbits. Life Sci 59: 1059-1067, 1996

3. Yarman S, Gökkusu C, **Türkoglu Ü.M**, Ademoglu E and Alagöl F: Urinary glycosaminoglycan levels in patients with Graves' ophthalmopathy: an effective parameter for the grading of ophthalmopathy. *Med Sci Res* 24: 647-648, 1996
4. Öner P, **Mutlu Türkoglu Ü** and Ömer B: Evaluation of the changes in serum lipid profile and ferritin concentrations in relation to body ascorbic acid status in healthy pre- and postmenopausal women. *J Nutr Sci Vitaminol* 43: 1-9, 1997
5. Gökkusu C, Ademoglu E, **Mutlu Türkoglu Ü** and Öz H: Effects of thymosin alpha-1 on erythrocyte lipid levels and erythrocyte membrane (Na⁺-K⁺)-ATPase activity in experimental hypercholesterolemia. *Jpn J Med Sci Biol* 50: 45-53, 1997
6. **Mutlu Türkoglu Ü**, Ademoglu E, Türkoglu S, Badur S, Uysal M and Toker G: The effects of Interferon- on serum lipid peroxidation and total thiol content in patients with chronic active hepatitis-C. *Res Commun Molec Pathol Pharmacol* 96: 357-361, 1997
7. Öztezcan S, **Mutlu Türkoglu Ü**, Aykaç-Toker G, Uysal M: Effects of acute and chronic thinner administration on liver and brain lipid peroxidation and the antioxidant system in rats. *Res Commun Alcohol Substance Abuse* 18: 3-4, 1997
8. **Mutlu Türkoglu Ü**, Tamer-Toptani S, Öztezcan S, Uysal M and Aykaç-Toker G: The effects of N-acetyl cysteine treatment and nitric oxide synthase inhibition on oxidative stress induced by E.coli endotoxin. *Biochem Arch* 14: 33-41, 1998
9. **Mutlu Türkoglu Ü**, Ademoglu E, İbrahimoğlu L, Aykaç-Toker G, Uysal M: The imbalance between lipid peroxidation and antioxidant status in preeclampsia. *Gynecol Obstet Invest* 46: 37-40, 1998
10. **Mutlu Türkoglu Ü**, Öztezcan S, Tamer-Toptani S, Uysal M and Aykaç-Toker G: The effects of N-acetyl cysteine and N- Nitro-L- arginine Methyl Ester treatment on Lipopolysaccharide induced oxidative stress in lung of rats. *Biochem Arch* 14:139-146, 1998
11. Erbil Y, Dibekoğlu C, **Mutlu Türkoglu Ü**, Ademoglu E, Berber E, Kizir A, Mercan S, Toker G: Nitric Oxide and radiation enteritis. *Eur J Surg* 164: 863-868, 1998
12. Görgülü A, Kiris T, Unal F, **Türkoglu Ü**, Kucuk M and Cobanoglu S: Protective effect of the N-Methyl-D-Aspartate receptor antagonists, MK-801 and CPP on cold-induced brain oedema. *Acta Neurochir* 141:93-98, 1999
13. Kiris T, Görgülü A, Unal F, **Türkoglu Ü**, Cobanoglu S Ekoklu G: Superoxide dismutase activity and the effect of N-Methyl-D- Aspartate antagonists on lipid peroxidation in the early phase of cold injury. *Res Exp Med* 1999 198:341-347, 1999
14. Öztezcan S, **Mutlu Türkoglu Ü**, Kervancioğlu E, Koçak T, Koçak-Toker N and Aykaç- Toker G: In vitro effects of peroxyxynitrite on human sperm. *Andrologia* 31(4):195-198, 1999
15. **Mutlu Türkoglu Ü**, Aykaç-Toker G, İbrahimoğlu L, Ademoglu E, Uysal M: Plasma nitric oxide metabolites and lipid peroxide levels in preeclamptic pregnant women before and after delivery. *Gynecol Obstet Invest* 48 (4): 247-250, 1999

16. Öztezcan S, Dogru-Abbasoglu S, **Mutlu-Türkoglu Ü**, Calay Z, Aykaç-Toker G, Uysal M.: The role of stimulated lipid peroxidation and impaired calcium sequestration in the enhancement of cocaine-induced hepatotoxicity by ethanol. *Drug Alcohol Depend* 58 (1-2): 77-83, 2000
17. **Mutlu Türkoglu Ü**, Erbil Y, Öztezcan S, Olgaç V, Toker G and Uysal M.: The effect of selenium and/ or vitamin E treatments on radiation -induced intestinal injury in rats. *Life Sci* 66 (20):1905-1913, 2000
18. Görgülü A, Kiris T, Unal F, **Turkoglu Ü**, Kucuk M and Cobanoglu S.: Superoxide dismutase activity and the effects of NBQX and CPP on lipid peroxidation in experimental spinal cord injury. *Res Exp Med (Berl)*. 199(5):285-93, 2000
19. **Mutlu Türkoglu Ü**, Doğru-Abbasoğlu S, Aykaç-Toker G, Mırsal H, Beyazyürek M, Uysal M.: Increased lipid and protein oxidation and DNA damage in chronic alcoholics. *J Clin Lab Sci* 136 (4): 287-91, 2001
20. Bilsel Y, Bugra D, Yamaner S, Bulut T, Cevikbas U, **Turkoglu U.**: Could honey have a place in colitis therapy? Effects of honey, prednisolone, and disulfiram on inflammation, nitric oxide, and free radical formation. *Dig Surg* 19: 306-312, 2002
21. Doğru-Abbasoğlu S, **Mutlu Türkoglu Ü**, Türkoğlu S, Erbil Y, Barbaros U, Uysal M, Aykaç-Toker G.: Glutathione S-transferase-pi in malignant tissues and plasma of human colorectal and gastric cancers. *128* (2); 91-96, 2002
22. Balkan J, Kanbaglı Ö, Mehmetcik G, **Mutlu Türkoglu Ü**, Aykaç-Toker G, Uysal M.: Increased lipid peroxidation in serum and low- density lipoproteins associated with aging in humans. *Int J Vitamin Nutr Res* 72; 27-31, 2002
23. Öztezcan S, Doğru-Abbasoğlu S, **Mutlu Türkoglu Ü**, Çetiner S, Eker-Ömeroğlu R, Aykaç-Toker G, Uysal M.: The investigation of prooxidant-antioxidant balance in serum of children with family histories of essential hypertension. *Res Commun Mol Pathol Pharmacol* 111 (1-4); 167-74, 2002
24. **Mutlu Türkoglu Ü**, Öztezcan S, Telci A, Orhan Y, Aykaç-Toker G, Sivas A, Uysal M.: An Increase in Lipoprotein Oxidation and Endogenous Lipid Peroxides in Serum of Obese Women. *Clin Exp Med. Clin Exp Med* 2; 171-174, 2003
25. Mutlu-Turkoglu U, Ilhan E, Öztezcan S, Kuru A, Aykac-Toker G, Uysal M.: Age dependent alterations in oxidative stress markers and total antioxidant status. *Clin Biochem.* 36 (5); 397-400, 2003
26. Ademoğlu E, Erbil Y, Tam B, Barbaros U, Ilhan E, Olgac V, **Mutlu Türkoglu Ü.**: Do vitamin E and selenium have beneficial effects on trinitrobenzenesulfonic acid-induced experimental colitis? *Dig Dis Sci.* 49(1):102-8, 2004
27. Akalin, Z; Bilge, AK; Ozben, B; **Turkoglu, UM**; Uysal, M; Yilmaz, E; Nisanci, Y: DNA damage as a predictor of oxidative stress and its association with severity of coronary artery disease. *European Heart J.*25: 51, 2004

28. İlhan, E; Bilge, AK; Özben, B; **Turkoglu, UM**; Yılmaz, E; Nisancı, Y; Uysal, M.: The prevalence of methylene tetrahydrofolate reductase enzyme polymorphism and its association with coronary artery disease in Turkish population. *European Heart J.* 25: 143, 2004
29. Arıncı A, Ademoğlu E, Aslan A, **Mutlu Türkoglu Ü**, Karabulut AB, Karan A.: Molecular correlates of temporomandibular joint disease. *Oral Surg Oral Med Oral Pathol Oral Radiol Endod.* 99(6):666-70, 2005
30. Arkaya, S.; Yurdakul, S.; Bilge, A. K.; Nisancı, Y.; **Mutlu-Turkoglu, U.**: The effect of angiotensin-converting enzyme inhibition on endothelial dysfunction and DNA damage in patients with coronary artery disease. *FEBS J.* 273: 215, 2006
31. Tanrikulu, S.; **Mutlu-Turkoglu, U.**; Özcan, K.; Ademoglu, E.: The association of paraoxonase polymorphisms PON1-L55M and PON1-R192Q with coronary artery disease in Turkish population. *FEBS J.* 273: 216, 2006
32. Erbil Y, **Turkoglu U**, Barbaros U, Balik E, Olgac V, Kaya H, Cimsit B.: Oxidative Damage in an Experimentally Induced Gastric and Gastroduodenal Reflux Model. *Surg Innov.* 2005 Sep;12(3):219-225
33. **Mutlu Türkoglu Ü**, Akalın Z, İlhan E, Yılmaz E, Bilge A, Nisancı Y, Uysal M.: Increased plasma malondialdehyde and protein carbonyl levels and lymphocyte DNA damage in patients with angiographically defined coronary artery disease. *Clin Biochem.* 2005. Dec;38(12):1059-65
34. Yurdakul S, Özben B, Bilge AK, **Turkoglu UM**, Arkaya S, Nisancı Y.: Oxidative DNA Damage Is Significantly Correlated With Flow-Mediated Dilation in Patients With Coronary Artery Disease. *J. Invest Med* 2008
35. Olgar S, Oktem F, Dindar A, Kilbas A, **Turkoglu U**, Cetin H, Altuntaş I, Yılmaz R, Uz E, Ertuğrul T, Ömeroğlu R, Aydoğan U.: Volatile solvent abuse caused glomerulopathy and tubulopathy in street children. *Hum Exp Toxicol.* 2008 Jun;27(6):477-83
36. Tanrikulu S, Ademoğlu E, Gurdol F, **Mutlu Türkoglu Ü**, Bilge AK, Nişancı Y.: Association of cholesteryl ester transfer protein -629C > A polymorphism with high-density lipoprotein cholesterol levels in coronary artery disease patients. *Cell Biochem Funct.* 2009 Oct;27(7):452-7
37. Gökce S, Durmaz O, Celtik C, Aydoğan A, as F, **Turkoglu U**, Özden I, Sokucu S. Investigation of impaired carbohydrate metabolism in pediatric liver transplant recipients. *Pediatr Transplant* 2009 Nov;13(7):873-80. Epub 2008 Nov 24
38. Erbil Y, Barbaros U, Temel B, **Turkoglu U**, İşsever H, Bozbora A, Özarmağan S, Tezelman S. The impact age, vitamin D (3) level and incidental parathyroidectomy on postoperative hypocalcemia after total or near total thyroidectomy. *Am J Surg.* 2009. Apr;197(4):439-46
39. Giriş M, Erbil Y, Depboylu B, Mete O, **Turkoglu U**, Abbasoğlu SD, Uysal M.: Heme oxygenase-1 prevents hyperthyroidism induced hepatic damage via an antioxidant and antiapoptotic pathway. *J Surg Res.* 2010 Dec;164(2):266-75. Epub 2009 May 15

40. Karadeniz L, Çoban A, İnce Z, **Turkoglu U**, Can G. Cord blood cardiac troponin T and nonprotein-bound iron levels in newborns of mild pre-eclamptic mothers. *Neonatology*. 2010 Jun;97(4):305-10. Epub 2009 Nov 4
41. Tanrikulu-Küçük S, Ademoglu E, Gurdol F, Bilge AK, **Mutlu Türkoglu Ü**, Nişancı Y. Cholesteryl ester transfer protein Taq1B polymorphism in an angiographically assessed Turkish population: no effects on coronary artery disease risk. *Genet Test Mol Biomarkers*. 2010 Oct;14(5):637-42. Epub 2010 Aug 28
42. Tihan DN, Erbil Y, Seven R, Arkaya S, **Türkoglu U**, Hepgül G, Borucu I. The effect of glutamine on oxidative damage in an experimental abdominal compartment syndrome model in rats. *Ulus Travma Acil Cerrahi Derg*. 2011 Jan;17(1):1-8
43. Oner C.I; Omeroglu R E; Nisli K; Yavuz T; Bornaun H; **Turkoglu, U**; Aydogan U; Dindar A; Ertugrul T.: Endotel function and thrombotic system evaluation of children whose parents had early onset coronary heart disease. *TURK PEDIATRI ARSIVI-TURKISH ARCHIVES OF PEDIATRICS*. 1: 20-25, 2011
44. Kuzdan C, Coban AC, Ince Z, Can G, **Türkoglu U**. The umbilical cord alpha-fetoprotein levels for predicting hyperbilirubinemia in term neonates. *J Matern Fetal Neonatal Med*. 2013 Jul 12
45. Küçükemre Aydın B, Demirkol D, Baş F, **Türkoglu U**, Kumral A, Karaböcüoğlu M, Cıtaç A, Darendeliler F. Evaluation of Endocrine Functions in Children Admitted to Pediatric Intensive Care Unit. *Pediatr Int*. 2013 Dec 2. doi: 10.1111/ped.12269
46. Aksu, Bagdagul Yavas; Emre, Sevinc; Yilmaz, Alev; Yildirim, Zeynep Yuruk; **Turkoglu, Umit**; Erol, Oguz Bulent; Pehlivanoglu, Cemile.: The Risk Factors For Atherosclerosis In Nephrotic Children. *PEDIATRIC NEPHROLOGY*. 29:9, 2014
47. Altun I, Oz F, Arkaya SC, Altun I, Bilge AK, Umman B, **Turkoglu UM**. Effect of statins on endothelial function in patients with acute coronary syndrome: a prospective study using adhesion molecules and flow-mediated dilatation. *J Clin Med Res*. 2014. Oct;6(5):354-61. doi: 10,14740/jocmr1863w. Epub 2014 Jul 28
48. Kumral A, Giriş M, Soluk-Tekkeşin M, Olgaç V, Doğru-Abbasoğlu S, **Türkoglu Ü**, Uysal M. Effect of olive leaf extract treatment on doxorubicin-induced hepatic and renal toxicity in rats. *Pathophysiology*. 2015 Jun;22(2):117-23
49. Kumral A, Giriş M, Soluk-Tekkeşin M, Olgaç V, Doğru-Abbasoğlu S, **Türkoglu Ü**, Uysal M. Beneficial effects of carnosine and carnosine plus vitamin E treatments on doxorubicin-induced oxidative stress and cardiac, hepatic, and renal toxicity in rats. *Hum Exp Toxicol*. 2015 Jul 29
50. Altun I, Pamukcu B, Yildiz CE, Arkaya SC, Guz G, Yilmaz A, Bilge AK, **Turkoglu UM**, Adalet K.: Cardiotropin-1: A: A new predictor of atrial fibrillation relapses after successful cardioversion. *Bosn J Basic Med Sci*. 2015 Jul 23;15(3):68-73
51. Bornaun H, Öner N, Nişli K, Öztarhan K, Yavuz T, **Türkoglu Ü**, Dindar A, Eker Ömeroglu R. Assessment of lipid profile and some risk factors of atherosclerosis in children whose parents had early onset coronary artery disease. *Arch Argent Pediatr*. 2017 Feb 1;115(1):50-54. doi: 10.5546/aap.2017.eng.50. English, Spanish

BOOK CHAPTERS

1. **Mutlu-Türkođlu Ü.** Kan Biyokimyası. In: Gürdöl F, Ademoglu E (eds). **Biyokimya.** İstanbul: Nobel Tıp Kitapevleri, 3. Baskı 2014: 471-477.
2. **Mutlu-Türkođlu Ü.** Sinir Dokusu. In: Gürdöl F, Ademoglu E (eds). **Biyokimya.** İstanbul: Nobel Tıp Kitapevleri, 3. Baskı 2014: 471-477.