

# ÖZGEÇMİŞ

**Adı Soyadı:** BETÜL KARADEMİR

**Doğum Tarihi:** 23/08/1981

**Öğrenim Durumu:**

Derece	Bölüm/Program	Üniversite	Yıl
Lisans	ECZACILIK FAKÜLTESİ	İSTANBUL ÜNİVERSİTESİ	2003
Y. Lisans	ECZACILIK FAKÜLTESİ, FARMASÖTİK TOKSİKOLOJİ	İSTANBUL ÜNİVERSİTESİ	2005
Doktora/S.Yeterlik/ Tıpta Uzmanlık	BİYOKİMYA	HOHENHEIM ÜNİVERSİTESİ	2009

**Görevler:**

Görev Unvanı	Görev Yeri	Yıl
Arş.Gör.	İSTANBUL ÜNİVERSİTESİ, ECZACILIK FAKÜLTESİ, FARMASÖTİK TOKSİKOLOJİ ANABİLİM DALI	2004-2007
Dr.Arş.Gör.	MARMARA ÜNİVERSİTESİ, TIP FAKÜLTESİ, BİYOKİMYA ANABİLİM DALI	2009-2012
Yrd.Doç.Dr.	MARMARA ÜNİVERSİTESİ, TIP FAKÜLTESİ, BİYOKİMYA ANABİLİM DALI	2012-2013
Doç. Dr.	MARMARA ÜNİVERSİTESİ, TIP FAKÜLTESİ, BİYOKİMYA ANABİLİM DALI	2013-

**Projelerde Yaptığı Görevler :**

1. TÜBİTAK-115Z137 No'lu ve " Kemoterapi Sürecinde Kullanılan Isı Uygulamasına Karşı Hücrel Savunma Mekanizmalarının Rolü" başlıklı proje-YÜRÜTÜCÜ (2015-2016).
2. TÜBİTAK-115S464 No'lu ve " Hiperkolesterolemi ile Oluşturulan Non-Alkolik Karaciğer Yağlanması Karaciğerdeki Moleküler Mekanizmanın İncelenmesi" başlıklı proje-ARAŞTIRMACI (2015-2018).
3. TÜBİTAK-212T156 No'lu ve "Proteazom İnhibisyonu Ve Şaperon Aracılı Otofaji İnhibisyonu Kombinasyonunun Meme Kanseri Hücrelerinde Apoptoz Ve Otofaji Açısından Değerlendirilmesi" başlıklı proje-YÜRÜTÜCÜ (2013-2015)
4. TÜBİTAK-110S281 No'lu ve "Yaşlanma Sürecinde Isı Şok Proteinlerinin Oksidatif Protein Modifikasyonlarındaki Rolü" başlıklı proje- YÜRÜTÜCÜ (2011-2014)
5. Marmara Üniversitesi Bilimsel Araştırma Projeleri Komisyonu-SAG-A-130511-0126 No'lu ve "Fibroblast Hücre Kültürlerinden 'Induced Pluripotent Stem Cells' (IPS) Oluşturulması ve Bunların Farklılaşma Potansiyellerinin İncelenmesi" başlıklı proje - YÜRÜTÜCÜ (2010-2011)
6. TÜBA-LOREAL destekli "CİLT YAŞLANMASINDA ISI ŞOK PROTEİNLERİNİN ROLÜ" başlıklı proje- YÜRÜTÜCÜ-(2012-2013)
7. TÜBİTAK-106S221 No'lu ve "Hiperkolesterolemi ile oluşan atheroskleroz ve Alzheimer benzeri değişikliklerde farklı olarak ifade edilen proteinlerin tanımlanması, tanı ve seyrini takip edebilecek belirteçlerin saptanması " başlıklı proje- ARAŞTIRMACI (2009-2011)

**İdari Görevler :**

Genetik ve Metabolik Hastalıklar Araştırma ve Uygulama Merkezi (GEMHAM) Yönetim Kurulu Üyeliği ve Bilimsel Sekreterliği 2010-

Marmara Üniversitesi, Tıp Fakültesi, Y1C2 koordinatörlüğü, 2013-

Marmara Üniversitesi, Tıp Fakültesi, Multidisiplin Laboratuvar Sorumlusu, 2013-

### **Diğer Akademik Görevler:**

SFRR Europe Meeting 2011 Lokal Organize Komitesi Üyesi, Young Investigator Award Seçim Kurulu Üyesi

Marmara Üniversitesi, Tıp Fakültesi, Sınıf 1, 2, 3 Biyokimya Laboratuvar Sorumlusu

### **Bilimsel Kuruluşlara Üyelikler :**

- FEBS (Federation of European Biochemical Societies)
- SFRR-Europe (Society for Free Radical Research-Europe)
- Türk Biyokimya Derneği
- COST CM1001 Action Management Committee Üyesi and Short Term Scientific Mission Başkanı (2010-2014)

### **Ödüller / Burslar:**

- TÜBİTAK 2214 Yurt Dışı araştırma Bursu (Temmuz 2007-Mayıs 2008)
- Hohenheim Üniversitesi, Proje Kapsamında Destek Bursu (Haziran 2008-Şubat 2009)
- COST B35 Kısa Süreli Yurtdışı Araştırma Bursu (Şubat-Nisan 2010)
- COST CM1001 Kısa Süreli Yurtdışı Araştırma Bursu (Eylül-Ekim 2011)
- LOREAL Genç Bilim Kadınlarını Destekleme Bursu (Nisan 2012-Nisan 2013)

### **Verilen lisans ve lisansüstü düzeydeki dersler:**

<b>Akademik Yıl</b>	<b>Dönem</b>	<b>Dersin Adı</b>
2012-	Güz-Bahar	Marmara Üniversitesi, Tıp Fakültesi, Sınıf 1, 2, 3 Biyokimya Dersleri
2009-	Güz-Bahar	Marmara Üniversitesi, Tıp Fakültesi, Sınıf 1, 2, 3 Biyokimya Uygulamaları
2013-	Güz-Bahar	Doğu Akdeniz Üniversitesi, Tıp Fakültesi, Sınıf 1, 2 Biyokimya Dersleri
2012-	Güz-Bahar	Doğu Akdeniz Üniversitesi, Tıp Fakültesi, Sınıf 1, 2 Biyokimya Uygulamaları
2011-	Güz-Bahar	Genel Biyokimya-1 (Yüksek Lisans)
		Genel Biyokimya-2 (Yüksek Lisans)
		Biyoenerjetik (Yüksek Lisans)
		İmmünoagnostik Yöntemler (Yüksek Lisans)
		Doku Biyokimyası (Yüksek Lisans)
		İmmünoloji (Doktora)

### **Yüksek Lisans ve Doktora Danışmanlıkları:**

## **Yüksek Lisans:**

Ahmet Cingöz (2013): Nöroblastoma Tümör Hücrelerine Karşı Adipoz Doku Kaynaklı İnsan Kök Hücrelerinin Apoptoz Etkinliğinin Araştırılması

Kübra Yaman (2013): Apoptotik Hücre Ölümüne Direnç Gösteren Medulloblastoma Hücreleri Üzerine Mezenkimal Kök Hücre ve Çeşitli İnhibitörlerin Etkisinin İncelenmesi

Kezban Uçar (2013): Mezenkimal kök hücre ile birlikte kültüre edilen nöroblastoma hücrelerinin X-bağımlı apoptotik protein inhibitörüne verdiği yanıtın incelenmesi

## **Doktora:**

Zehra Okat: Tez projesi hazırlığında

Gülce Sarı Kaplan: Ders aşamasında

## **ESERLER**

### **A. Uluslararası hakemli dergilerde yayımlanan makaleler :**

**A1.** **Karademir Catalgol B.**, Ozden S., Alpertunga B. Effects of trichlorfon on malondialdehyde and antioxidant system in human erythrocytes. Toxicology In Vitro 2007; 21(8):1538-1544.

**A2.** Ozhan G., **Catalgol B.**, Alpertunga B. Assessment of the genotoxic potential of surface waters using umu-assay. Fresenius Environmental Bulletin 2008; 12: 2071-2077.

**A3.** **Catalgol B.**, Grune T. Turnover of oxidatively modified proteins: the usage of in vitro and metabolic labeling. Free Radical Biology and Medicine 2009 Jan; 46(1): 8-13.

**A4.** Jung T., Höhn A., **Catalgol B.**, Grune T. Age-related differences in oxidative protein-damage in young and senescent fibroblasts. Archives of Biochemistry and Biophysics 2009 Mar; 483 (1): 127-135.

**A5.** Jung T., **Catalgol B.**, Grune T. The Proteasomal System. Molecular Aspects of Medicine 2009 Aug; 30(4): 191-296.

**A6.** Ozden S., **Catalgol B.**, Gezginci-Oktayoglu S., Arda-Pirincci P., Bolkent S., Alpertunga B. Methiocarb Induced Oxidative Damage Following Subacute Exposure and the Protective Effects of Vitamin E and Taurine in Rats. Food and Chemical Toxicology 2009 Jul; 47(7): 1676-1684.

**A7.** **Catalgol B.**, Ziaja I., Breusing N., T. Jung, A. Höhn, B. Alpertunga, P. Schroeder, N. Chondrogianni, E.S. Gonos, I. Petropoulos, B. Friguet, L.O. Klotz, J. Krutmann, T. Grune. The proteasome is an integral part of solar ultraviolet A radiation-induced gene expression. Journal of Biological Chemistry 2009 Oct; 284(44): 30076-30086.

**A8.** **Catalgol B.**, Grune T. Protein pool maintenance during oxidative stress. Current Pharmaceutical Design 2009; 15(26): 3043-3051.

- A9. Catalgol B.** Ozhan G., Alpertunga B. Acrylamide-induced oxidative stress in human erythrocytes. *Human and Experimental Toxicology* 2009 Oct; 28(10): 611-617.
- A10. Catalgol B.** Wendt B., Grimm S., Breusing N., Ozer N.K., Grune T. Chromatin repair after oxidative stress: role of PARP-mediated proteasome activation. *Free Radical Biology and Medicine* 2010 Mar; 48(5): 673-680.
- A11. Catalgol B.** Ozer N.K., Grune T. Protein oxidation and proteasome: New aspects for clinical approaches. *Clinical and Experimental Medical Journal* 2010; 4(1): 7-13.
- A12. Catalgol B.** Özer N.K. Lipid rafts and redox regulation of cellular signaling in cholesterol induced atherosclerosis. *Current Cardiology Reviews* 2010; 6 (4): 309-324.
- A13.** Bakondi E., **Catalgol B.** Bak I., Jung T., Bozaykut P., Bayramicli M., Ozer N.K., Grune T. Age-related loss of stress-induced nuclear proteasome activation is due to low PARP-1 activity. *Free Radical Biology and Medicine* 2011 Jan; 50(1): 86-92.
- A14.** Höhn A., Jung T., Grimm S., **Catalgol B.** Weber D., Grune T. Lipofuscin inhibits the proteasome by binding to surface motifs. *Free Radical Biology and Medicine* 2011 Mar;50(5):585-591.
- A15.** Sasani M., Yazgan B., Celebi I., Aytan N., **Catalgol B.** Oktenoglu T., Kaner T., Ozer N.K., Ozer A.F. Hypercholesterolemia increases vasospasm resulting from basilar artery subarachnoid hemorrhage in rabbits which is attenuated by Vitamin E. *Surgical Neurology International* 2011 Mar; 2: 29-35.
- A16. Catalgol B.** Ozer N.K. Protective effects of vitamin E against hypercholesterolemia-induced age-related diseases. *Genes and Nutrition* 2011 May 18.
- A17.** Grune T., **Catalgol B.** Licht A., Ermak G., Pickering A.M., Ngo J.K., Davies K.J. HSP70 mediates dissociation and reassociation of the 26S proteasome during adaptation to oxidative stress. *Free Radical Biology and Medicine* 2011 Oct; 51(7): 1355-1364.
- A18. Catalgol B.** Batirel S., Ozer N.K. Cellular Protection and Therapeutic Potential of Tocotrienols. *Current Pharmaceutical Design* 2011; 17: 2215-2220.
- A19.** Grimm S., Horlacher M., **Catalgol B.** Hoehn A., Reinheckel T., Grune T. Cathepsins D and L reduce the toxicity of advanced glycation end products. *Free Radic Biol Med* 2012 Mar; 52(6): 1011-1023.
- A20. Catalgol B.** Proteasome and cancer. *Prog Mol Biol Transl Sci.* 2012;109:277-93.
- A21. Catalgol B.** Grune T. Proteasome and neurodegenerative diseases. *Prog Mol Biol Transl Sci.* 2012;109:397-414.
- A22. Catalgol B.** Batirel S., Taga Y., Ozer N.K. Resveratrol: French paradox revisited. *Front Pharmacol.* 2012;3:1-18.
- A23.** Ozden S., **Catalgol B.** Gezginci-Oktayoglu S., Karatug A., Bolkent S., Alpertunga B. Acute effects of methiocarb on oxidative damage and the protective effects of vitamin E and taurine in the liver and kidney of Wistar rats. *Toxicol Ind Health.* 2013;29(1):60-71.
- A24. Karademir B.** Ozer NK. Molecular Function of Tocopherols in Age Related Diseases. *Curr Pharm Des.* 2014;20(18):3030-5.

**A25.** Bozaykut P, Sozen E, Kaga E, Ece A, Ozaltin E, Ek B, Ozer NK, Grune T, Bergquist J, **Karademir B**. The role of heat stress on the age related protein carbonylation. J Proteomics. 2013 Aug 26;89:238-54. 4.

**A26.** Kaga E, **Karademir B**, Baykal AT, Ozer NK. Identification of differentially expressed proteins in atherosclerotic aorta and effect of vitamin E. J Proteomics. 2013 Oct 30;92:260-73.

**A27.** Chondrogianni N, Petropoulos I, Grimm S, Georgila K, **Catalgol B**, Friguet B, Grune T, Gonos ES. Protein damage, repair and proteolysis. Mol Aspects Med. 2014 Feb;35:1-71.

**A28.** Bozaykut P, **Karademir B**, Yazgan B, Sozen E, Siow RC, Mann GE, Ozer NK. Effects of vitamin E on peroxisome proliferator-activated receptor  $\gamma$  and nuclear factor-erythroid 2-related factor 2 in hypercholesterolemia-induced atherosclerosis. Free Radic Biol Med. 2014; 70: 174-81.

**A29.** Sozen E, **Karademir B**, Yazgan B, Bozaykut P, Ozer NK. Potential role of proteasome on c-jun related signaling in hypercholesterolemia induced atherosclerosis. Redox Biol. 2014; 2: 732-8.

**A30.** Bozaykut P, Ozer NK, **Karademir B**. Regulation of Protein Turnover by Heat Shock Proteins. Free Radic Biol Med. 2014 Sep 15.

**A31.** Sozen E, **Karademir B**, Ozer NK. Basic mechanisms in endoplasmic reticulum stress and relation to cardiovascular diseases. Free Radic Biol Med. 2015;78:30-41.

**A32.** Houée-Lévin C, Bobrowski K, Horakova L, **Karademir B**, Schöneich C, Davies MJ, Spickett CM. Exploring oxidative modifications of tyrosine: An update on mechanisms of formation, advances in analysis and biological consequences. Free Radic Res. 2015;49(4):347-73.

**A33.** **Karademir B**, Corek C, Kartal Ozer N. Endoplasmic reticulum stress and proteasomal system in Amyotrophic Lateral Sclerosis. Free Radic Biol Med. 2015 Jun 11.

**B. Uluslararası bilimsel toplantılarda sunulan ve bildiri kitabında (Proceedings) basılan bildiriler :**

**B1.** Poster sunumu; Ozden S., **Catalgol B**, Alpertunga B. Effects of Methiocarb on Lipid Peroxidation and Antioxidant System in Rat Tissues. 30 Eylül-6 Ekim 2006, International Free Radical Summer School 2006: Biomarkers of oxidative stress and responses, Spetses, Yunanistan

**B2.** Poster sunumu; Ozden S., **Catalgol B**, Alpertunga B. Protective Effects of Vitamin E and Taurin in Methiocarb Induced Oxidative Stress in Rat Liver and Kidney. 15-19 Ağustos 2006, Biennial Congress of the International Society for Free Radical Research, Davos, İsviçre

**B3.** Poster sunumu; **Catalgol B**, Ozden S., Alpertunga B. Effects of Trichlorfon on Lipid Peroxidation and Antioxidant System. 15-19 Ağustos 2006, Biennial Congress of the International Society for Free Radical Research, Davos, İsviçre

**B4.** Poster sunumu; **Catalgol B**, Ozhan G., Alpertunga B. Acrylamide-Induced Oxidative Stress In Human Erythrocytes. 2-5 November 2006, 6<sup>th</sup> International Congress of Turkish Society of Toxicology, Antalya, Türkiye

- B5.** Poster Sunumu; **Catalgol B.**, Catalgol S., Alpertunga B. Effects of Benomyl and Carbendazim on Lipid Peroxidation and Antioxidant System in Kidney of Rats Following Acute Exposure. 7-10 Ekim 2007, 44th Congress of the European Societies of Toxicology - EuroTox 2007, Amsterdam, Hollanda
- B6.** Poster Sunumu; Alpertunga B., Ozden S., **Catalgol B.** Oxidative stress in rats induced by methiocarb and ameliorating effects of vitamin E and taurin. 7-10 Ekim 2007, 44th Congress of the European Societies of Toxicology - EuroTox 2007, Amsterdam, Hollanda
- B7.** Poster Sunumu; **Catalgol B.**, Catalgol S., Alpertunga B. Role of Lipid Peroxidation in the Toxicity of Benomyl and Carbendazim in Liver of Rats Following Acute Exposure. 10-13 Ekim 2007, Society for free Radical Research Europe 2007 Meeting, Vilamoura, Portekiz
- B8.** Sözlü Sunum; **Catalgol B.**, Grune T. The role of proteasome inhibition caused by protein aggregates during skin aging. 21-25 Nisan 2008, Oxidative Stress in Diseases, Bratislava, Slovakia
- B9.** Sözlü Sunum; **Catalgol B.**, Ziaja I., Breusing N., Klotz L.O., Krutmann J., Grune T. Protein Oxidation and Proteasome Inhibition during UVA Irradiation. 5-9 Temmuz 2008, SFRR Europe Meeting 2008 Meeting, Berlin, Almanya
- B10.** Poster Sunumu; **Catalgol B.**, Ziaja I., Breusing N., Klotz L.O., Krutmann J., Grune T. Protein Oxidation and Proteasome Inhibition are Crucial in UVA Induced Photoaging. 22-25 Ekim 2008, 1<sup>st</sup> International Conference on Dermatotoxicology, Vaalsbroek, Holland
- B11.** Sözlü Sunum; **Catalgol B.**, Wendt B., Ozer N.K., Grune T. Chromatin repair after oxidative stress in HT22 hippocampal neurons: role of PARP-mediated proteasome activation. 26-29 Ağustos 2009, SFRR Europe Meeting 2009 Meeting, Roma, İtalya
- B12.** Poster Sunumu; Alpertunga B., **Catalgol B.**, Catalgol S. Effects of benzimidazole fungicides, benomyl and carbendazim, on lipid peroxidation and antioxidant system in rat. 13-16 Eylül 2009, 46th Congress of the European Societies of Toxicology - EuroTox 2009, Dresden, Almanya
- B13.** Poster Sunumu; **Catalgol B.**, Grune T. Proteasome Regulation for the Controlled Degradation of Proteins. 04-10 June 2010, FEBS/SFRR-E/IUBMB, Advanced Lecture Course "Protein maintenance and turnover in ageing & diseases" Spetses, Greece
- B14.** Sözlü Sunum; **Catalgol B.**, Grune T. Age-related protein aggregates – active factors of the senescence process. 29 Kasım-1 Aralık 2009, 2009 Annual Meeting of LINK-AGE, Brüksel, Belçika
- B15.** Sözlü Sunum; **Catalgol B.**, Grune T. Regulatory mechanisms for the proteasome and the effects on the degradation of proteins. 12-15 Eylül 2010, SFRR Europe Meeting 2010, Oslo, Norveç
- B16.** Sözlü Sunum; **Catalgol B.**, Bozaykut P., Sozen E., Kaga E., Ozer N.K., Grune T. Heat shock proteins in the post-translational modifications. 7-10 Eylül 2011, SFRR Europe Meeting 2011, İstanbul, Türkiye
- B17.** Poster Sunumu; **Catalgol B.**, Sozen E., Bozaykut P., Kaga E., Ece A., Ozaltin E., Ozer N.K., Grune T. The role of heat shock proteins in the protein oxidation during aging.

16th Biennial Meeting of the Society for Free Radical Research International (SFRRRI) 2012, 6 - 9 Eylül 2012, Imperial College, Londra.

**B18.** Sözlü Sunum; **Catalgol B.**, Bozaykut P., Sozen E., Ozer N. K., Grune T. Chaperone dependent regulation of proteasomal degradation in stress conditions. FEBS Special Meeting Protein Quality Control and Ubiquitin Systems in Health and Disease, 14-16 Kasım 2012, Kuşadası, Türkiye

**B19.** Poster Sunumu; **Catalgol B.**, Ozer NK, Taga Y, Grune T. Poly-ADP-ribosylation of histone and proteasome in the oxidative stress conditions of HT22 hippocampal neuronal cells. 4th EMBO meeting, 22-25 Eylül 2012, Nice, Fransa.

**B20.** Sözlü Sunum; **Catalgol B.**, Grune T. Lipofuscin accumulation in aging and age related diseases. COST Action meeting, 13-14 Ocak 2013, Kudüs, İsrail

**B21.** Sözlü Sunum; **Karademir B.**, Sozen E., Bozaykut P., Ece A., Ozaltin E., Ozer N. K., Grune T. Regulation of protein turnover by heat shock proteins. SFRR Europe 2013 Conference, 23-25 Eylül 2013, Atina, Yunanistan

**B22.** Sözlü Sunum; Sozen E., Bozaykut P., Ozer N. K., Grune T., **Karademir B.** The role of HSP70 in the chemotherapeutic approach for proteasomal degradation and autophagy. 17th Biennial Meeting of Society for Free Radical Research International (SFRRRI 2014), 23-26 Mart 2014, Kyoto, Japonya.

**B23.** Poster Sunumu; **Karademir B.**, Bozaykut P, Ozer NK. Heat shock proteins and Proteasomal degradation in normal and tumor cells. SFRR Europe 2014 Conference, 5-7 Eylül 2014, Paris, Fransa

**B24.** Poster Sunumu; **Karademir B.**, Grune T. Heat shock protein 70 dependent proteasomal degradation in stress conditions. Türkiye Moleküler Biyoloji Derneği 3. Uluslararası Kongresi, 10-12 Eylül 2014, İzmir.

**B25.** Sözlü Sunum; **Karademir B.** Chemotherapy Resistance: Cancer Genetics on Behalf of Clinical Therapy. Fourth International Meeting on Pharmacy and Pharmaceutical Sciences. 18-21 Eylül 2014, İstanbul.

**B26:** Poster Sunumu; **Karademir, B.**, Bozaykut, P., Sozen, E., Ozer, NK. Interaction of proteasome and heat shock proteins in tumor cell response. Cold Spring Harbor Laboratory Meeting, The Ubiquitin Family. 21-25 April 2015, Cold Spring, New York, USA.

**B27:** Poster Sunumu; Sari, G., Musuruni, S., Wicher, G., Mi, J., Bergquist, J., **Karademir, B.** Investigating biomarkers of neuropathy initiated by proteasome inhibitor bortezomib. Cold Spring Harbor Laboratory Meeting, The Ubiquitin Family. 21-25 April 2015, Cold Spring, New York, USA.

**B28:** Poster Sunumu; **Karademir, B.**, Bozaykut, P., Sozen, E., Kaga, E., Ece, A., Ozaltin, E., Ozer, N.K., Grune, T., The role of HSP70 in the protein aggregation: differences in the cellular senescence. FEBS EMBO Meeting, Molecular Chaperones. 8-13 May 2015, Heraklion, Greece.

**B29:** Sözlü Sunum; **Karademir, B.**, Sari, G., Musuruni, S., Wicher, G., Mi, J., Bergquist, J. Proteomic approach to detect neuropathy related proteins induced by proteasome inhibitors bortezomib and carfilzomib. Analytical Methods to Study Oxidative Damage, Antioxidants and Drugs. 4-7 June 2015, Bialystok, Poland.

**B29:** Sözlü Sunum; **Karademir, B.**, Sari, G., Musuruni, S., Wicher, G., Mi, J., Bergquist, J. Proteomic approach to detect neuropathy related proteins induced by proteasome inhibitors bortezomib and carfilzomib. Analytical Methods to Study Oxidative Damage, Antioxidants and Drugs. 4-7 June 2015, Bialystok, Poland.

**B30:** Sözlü Sunum; **Karademir B.**, Sozen E, Bozaykut P, Mutlu Altundag E, Yilmaz A.M., Sahin A, Corek C, Sari G, Ozer NK. Chemotherapy Resistance: The role of proteasomal degradation and heat shock response. SFRR Europe 2015 Conference, 2-4 Eylül 2015, Stuttgart, Almanya

**B31:** Poster Sunumu; Sari G, Musuruni S, Wicher G, Mi J, Bergquist J, **Karademir B.** Heat shock proteins in proteasome inhibitor related neuropathy. SFRR Europe 2015 Conference, 2-4 Eylül 2015, Stuttgart, Almanya.

**B32:** Sözlü Sunum; **Karademir, B.**, Sari, G., Musuruni, S., Wicher, G., Mi, J., Bergquist, J. Proteomic approach to detect neuropathy related proteins induced by proteasome inhibitors bortezomib and carfilzomib. Analytical Methods to Study Oxidative Damage, Antioxidants and Drugs. 4-7 June 2015, Bialystok, Poland.

#### **C. Yazılan uluslararası kitaplar veya kitaplarda bölümler :**

**C1.** **Catalgol B.**, Grimm S., Grune T. Protein carbonyl measurement by Enzyme Linked Immunosorbent Assay. In: Doris Abele, Jose Pablo Vazquez-Medina, Tania Zenteno-Savin Ed, Oxidative Stress in Aquatic Ecosystems. Wiley Blackwell 2011; pp.432-440. ISBN: 978-1-4443-3548-4

**C2.** Grune T., **Catalgol B.**, Jung T. Protein Oxidation and Aging. John Wiley & Sons 2013. ISBN-10: 0470878282, ISBN-13: 978-0470878286

#### **D. Ulusal hakemli dergilerde yayımlanan makaleler :**

**D1.** **Catalgol B.**, Grune T. Oxidized Proteins As a Biomarker of Oxidative Stress in Aging and Diseases. Türkiye Klinikleri J Med Sci 2008; 28(Suppl): S141-S145.

**D2.** **Catalgol B.**, Grune T., Ozer N.K. Hypercholesterolemia-induced oxidative stress & its link to age related diseases. Türkiye Klinikleri J Med Sci 2009; 29(Suppl): S15-S18.

#### **E. Ulusal bilimsel toplantılarda sunulan ve bildiri kitaplarında basılan bildiriler:**

**E1.** Sözlü Sunum; **Catalgol B.**, Ziaya I., Breusing N., Klotz L.O., Alpertunga B., Krutmann J., Grune T. Critical role of proteasome inhibition and protective potential of vitamin C in UVA induced photoaging. 6-9 Ekim 2008, 1. Antiaging ve Estetik Tıp Kongresi, Antalya, Türkiye

**E2.** Sözlü Sunum; **Catalgol B.**, Jung T., Breusing N., Grune T. The role of protein oxidation in photoaging and intrinsic skin aging. 22-25 Ekim 2009, 2. Antiaging ve Estetik Tıp Kongresi, İzmir, Türkiye

**E3.** Sözlü Sunum; **Catalgol B.**, Wendt B., Ozer N.K., Grune T. PARP induced proteasome activation: the role in chemotherapy. 28-31 Ekim 2009, Ulusal Biyokimya Kongresi, İstanbul, Türkiye