

## Prof. DEVRİM ÖZ ARSLAN

### Personal Information

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### International Researcher IDs

ORCID: 0000-0002-7461-7391

Publons / Web Of Science ResearcherID: D-5247-2015

Yoksis Researcher ID: 106089

### Education Information

Doctorate, Marmara University, Institute Of Health Sciences, Biyofizik (Dr), Turkey 1998 - 2004

Postgraduate, Marmara University, Institute Of Health Sciences, İmmünoloji (YI) (Tezli), Turkey 1995 - 1998

Undergraduate, Istanbul University, Faculty Of Science, Department Of Biology, Turkey 1991 - 1995

### Foreign Languages

English, C1 Advanced

### Certificates, Courses and Trainings

Vocational Course, EMBO Workshop Autophagy in brain health and disease, Avrupa Moleküler Biyoloji Organizasyonu (EMBO) , 2022

### Dissertations

Doctorate, Hücre farklılaşması ve olgunlaşmasında etkili sinyal ileti yolları, Marmara University, Sağlık Bilimleri Enstitüsü, Biyofizik (Dr), 2004

Postgraduate, Natural Killer hücresi ile CD(5)B hücrelerinin ontogenik gelişim süreci içindeki ilişkileri, Marmara University, Sağlık Bilimleri Enstitüsü, İmmünoloji (YI) (Tezli), 1998

### Research Areas

Medicine, Health Sciences, Life Sciences, Natural Sciences

### Academic Titles / Tasks

Associate Professor, Acibadem Mehmet Ali Aydınlar University, School Of Medicine, Department Of Basic Sciences, 2018 - Continues

Assistant Professor, Acibadem Mehmet Ali Aydınlar University, School Of Medicine, Department Of Basic Sciences, 2010 - 2018

Expert, Sabanci University, Faculty Of Engineering And Natural Sciences, Department Of Natural Sciences And Engineering Program, 2008 - 2009

Expert, Hellenik Pasteur Enstitüsü, Moleküler Viroloji, 2005 - 2008

Research Assistant, Marmara University, Institute Of Health Sciences, Biyofizik (Dr), 1998 - 2004

Research Assistant, Marmara University, Institute Of Health Sciences, İmmünoloji (YI) (Tezli), 1995 - 1998

## Academic and Administrative Experience

Bölüm Kalite Komisyonu Üyesi, Acibadem Mehmet Ali Aydınlar University, Graduate School Of Health Sciences, The Department Of Neuroscience, 2023 - Continues

Ders Kurulu Başkanı, Acibadem Mehmet Ali Aydınlar University, School Of Medicine, Department Of Basic Sciences, 2023 - Continues

Program Koordinatörü, Acibadem Mehmet Ali Aydınlar University, Graduate School Of Health Sciences, The Department Of Neuroscience, 2022 - Continues

Anabilim Dalı Akademik Kurul Üyesi, Acibadem Mehmet Ali Aydınlar University, Graduate School Of Health Sciences, The Department Of Neuroscience, 2019 - Continues

Sağlık Bilimleri Enstitüsü Orpheus Komisyonu Üyesi, Acibadem Mehmet Ali Aydınlar University, School Of Medicine, Department Of Basic Sciences, 2019 - Continues

Anabilim Dalı Akademik Kurul Üyesi, Acibadem Mehmet Ali Aydınlar University, Graduate School Of Health Sciences, The Department Of Neuroscience, 2018 - Continues

Ethics Committee Member, Acibadem Mehmet Ali Aydınlar University, School Of Medicine, 2014 - Continues

Anabilim Dalı Akademik Kurul Üyesi, Acibadem Mehmet Ali Aydınlar University, School Of Medicine, Department Of Basic Sciences, 2010 - Continues

Akreditasyon, Sürekli Gelişim ve Yenilenme Kurulu Üyesi, Acibadem Mehmet Ali Aydınlar University, School Of Medicine, Department Of Basic Sciences, 2021 - 2023

Rektörlük Kalite Komisyonu Üyesi, Acibadem Mehmet Ali Aydınlar University, Graduate School Of Health Sciences, 2018 - 2023

Rektörlük Stratejik Plan Komisyonu Üyesi, Acibadem Mehmet Ali Aydınlar University, Graduate School Of Health Sciences, 2018 - 2023

Ders Kurulu Başkanı, Acibadem Mehmet Ali Aydınlar University, School Of Medicine, Department Of Basic Sciences, 2021 - 2022

Enstitü Yönetim Kurulu Üyesi, Acibadem Mehmet Ali Aydınlar University, Graduate School Of Health Sciences, 2016 - 2021

Sağlık Bilimleri Enstitüsü Kurulu Üyesi, Acibadem Mehmet Ali Aydınlar University, Graduate School Of Health Sciences, 2016 - 2021

Assistant Director of the Institute, Acibadem Mehmet Ali Aydınlar University, School Of Medicine, Department Of Basic Sciences, 2016 - 2021

Yıl Koordinatörü, Acibadem Mehmet Ali Aydınlar University, School Of Medicine, Department Of Basic Sciences, 2012 - 2017

## Courses

BİYOFİZİK (MOLEKÜLER BİYOLOJİ VE GENETİK), Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2016 - 2017, 2015 - 2016, 2014 - 2015

Biophysics, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

BİYOFİZİK (FİZYOTERAPİ VE REHABİLİTASYON), Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010

Problem Based learning-Introduction, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

BİYOFİZİK (SAĞLIK HİZMETLERİ MESLEK YÜKSEK OKULU), Associate Degree, 2023 - 2024, 2022 - 2023, 2021 - 2022,

2020 - 2021

Biyofizik (Tıp Fakültesi) , Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

Biyoteknolojinin Temelleri ve Uygulama Alanları , Doctorate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

Seminer, Postgraduate, 2022 - 2023

Sinir Bilimlerinde Temel ve Güncel Yöntemler , Doctorate, 2022 - 2023, 2021 - 2022, 2020 - 2021

Fizik (ikinci Öğretim), Associate Degree, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

Fizik-Fizyoterapi, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

Biyoteknolojide Kullanılan Moleküler Teknikler, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

Hücrel Biyofizik , Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

BİYOFİZİK (TIP FAKÜLTESİ), Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011

Seminer, Doctorate, 2022 - 2023, 2021 - 2022, 2020 - 2021

İmmünoloji ve İmmünoterapi , Doctorate, 2023 - 2024, 2021 - 2022

İmmünoloji ve İmmünoterapi, Postgraduate, 2023 - 2024, 2021 - 2022

Fizik, Associate Degree, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

Biyofizik (Tıp Fakültesi), Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

Medikal Biyoteknolojisinde Kullanılan Moleküler Teknikler, Doctorate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

Biyoteknolojide Kullanılan Moleküler Teknikleri ve Uygulama Alanları, Doctorate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

Sinir Biliminin Temel İletişim Mekanizmaları, Doctorate, 2022 - 2023, 2021 - 2022, 2020 - 2021

Biyoteknolojinin Temelleri , Postgraduate, 2021 - 2022, 2020 - 2021

Temel Biyofizik, Postgraduate, 2021 - 2022

PBL-Tıp Fakültesi-Sınıf III, Undergraduate, 2020 - 2021

Kardiyovasküler Sistem Biyofiziği, Postgraduate, 2021 - 2022

## Supervised Theses

Öz Arslan D., The Effect of High Density Lipoprotein (HDL) on autophagy and mitochondrial function in a monocytic cell line, Postgraduate, S.Şenay(Student), 2022

Öz Arslan D., Identification novel interaction partners of ATG3, Postgraduate, D.Açıkgöz(Student), 2022

Öz Arslan D., The effect of cdp-choline on mitophagy and mitochondrial dynamics in A monocytic cell line, Postgraduate, S.BOZKURT(Student), 2019

Öz Arslan D., The effects of cytidine-5'-diphosphocholine (CDP-choline) on autophagy and mitochondrial dynamics in ab1-42 treated PC12 cells, Postgraduate, B.BİLGE(Student), 2018

Öz Arslan D., Akçakaya H., Kardiyolipini olmayan saccharomyces cerevisiae hücrelerinde otofaji sırasında mitokondriyal değişimlerin incelenmesi, Postgraduate, G.KILIÇKAYA(Student), 2017

## Jury Memberships

Post Graduate, Post Graduate, Acıbadem Mehmet Ali Aydınlar Üniversitesi, July, 2022

Post Graduate, Post Graduate, Acıbadem Mehmet Ali Aydınlar Üniversitesi, January, 2022

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

- Mitochondrial Alterations in Alzheimer's Disease: Insight from the 5xFAD Mouse Model**  
KESKİNÖZ E. N., Celik M., Toklucu E. S., Birisik K., Erisir A., ÖZ ARSLAN D.  
MOLECULAR NEUROBIOLOGY, 2024 (SCI-Expanded)

- II. **Exploring Liraglutide in Lithium-Pilocarpine-Induced Temporal Lobe Epilepsy Model in Rats: Impact on Inflammation, Mitochondrial Function, and Behavior**  
Antmen F. M., Fedaioglu Z., Acar D., Sayar A. K., Yavuz I. E., Ada E., Karakose B., Rzayeva L., Demircan S., Kardouh F., et al.  
BIOMEDICINES, vol.12, no.10, 2024 (SCI-Expanded)
- III. **The effect of N-acetylcysteine on the neurotoxicity of sevoflurane in developing hippocampus cells**  
Adiyeke E., Bakan N., ÜVEZ A., ÖZ ARSLAN D., KILIÇ Ş., Koc B., Ozer S., Saatci O., Armutak E. I.  
NEUROTOXICOLOGY, vol.103, pp.96-104, 2024 (SCI-Expanded)
- IV. **Mitochondria-Targeted Liposomes for Drug Delivery to Tumor Mitochondria**  
Ekmekçioğlu A., Gök Özatay Ö., Öz Arslan D., Erdal M. S., Uzuner Y., Müftüoğlu M.  
PHARMACEUTICS, vol.16, no.7, pp.950-968, 2024 (SCI-Expanded)
- V. **G protein-coupled receptor-mediated autophagy in health and disease**  
ÖZ ARSLAN D., DURER Z. A., KAN B.  
BRITISH JOURNAL OF PHARMACOLOGY, 2024 (SCI-Expanded)
- VI. **Exploring orphan GPCRs in neurodegenerative diseases**  
Oz-Arslan D., YAVUZ M., KAN B.  
FRONTIERS IN PHARMACOLOGY, vol.15, 2024 (SCI-Expanded)
- VII. **Relationships between trace elements and cognitive and depressive behaviors in sprague dawley and wistar albino rats**  
Yavuz M., Dayanc E., Merve Antmen F., Keskinöz E. N., Altuntaş E., Dolu G., Koç B., Tunçcan E., Şakar D., Canözer U., et al.  
FRONTIERS IN PHARMACOLOGY, vol.15, 2024 (SCI-Expanded)
- VIII. **Detection of a rare variant in PSTPIP1 through three generations in a family with an initial diagnosis of FMF/MKD-overlapping phenotype**  
Özklınc Önen M., Onat U. İ., Uğurlu S., Timuçin A. C., Öz Arslan D., Everest E., Özdoğan H., Tahir Turanlı E.  
RHEUMATOLOGY, no.9, pp.3188-3196, 2023 (SCI-Expanded)
- IX. **Involvement of orexin type-2 receptors in genetic absence epilepsy rats**  
Toplu A., Mutlu N., Erdeve E. T., SARIYILDIZ Ö., Celik M., Oz-Arslan D., Akman O., Molnar Z., Carcak N., ONAT F.  
FRONTIERS IN NEUROLOGY, vol.14, 2023 (SCI-Expanded)
- X. **Effects of peroxisome proliferator activated receptor gamma (PPAR gamma) agonist on fasting model applied neuron cultures**  
Pinarbasi A., Pak M., Kolay M., ÖZ ARSLAN D., Aksungar F.  
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.47, no.1, pp.41-48, 2022 (SCI-Expanded)
- XI. **The investigation of the amounts and expressions of epidermal growth factor, epidermal growth factor receptor, and epidermal growth factor receptor gene polymorphisms in acne vulgaris.**  
Aydingoz I., Tukenmez D., Agirbasli D., Oz-Arslan D., Yenmis G.  
Journal of cosmetic dermatology, vol.20, no.1, pp.346-351, 2021 (SCI-Expanded)
- XII. **Comparison of Dendritic Cell Activation by Virus-Based Vaccine Delivery Vectors Emphasizes the Transcriptional Downregulation of the Oxidative Phosphorylation Pathway.**  
Tsitoura E., Kazazi D., Oz-Arslan D., Sever E., Khalili S., Vassilaki N., Aslanoglou E., Derian N., Six A., SEZERMAN O. U., et al.  
Human gene therapy, vol.30, no.4, pp.429-445, 2019 (SCI-Expanded)
- XIII. **Murine Bone Marrow-Derived Dendritic Cells Transduced by Light-Helper-Dependent Herpes Simplex Virus-1 Amplicon Vector Acquire a Mature Dendritic Cell Phenotype**  
Oz-Arslan D., Tsitoura E., Kazazi D., Kouvatsis V., Epstein A. L., Mavromara P.  
HUMAN GENE THERAPY METHODS, vol.26, pp.93-102, 2015 (SCI-Expanded)
- XIV. **Cleavage of Atg3 protein by caspase-8 regulates autophagy during receptor-activated cell death**  
Oral Ö., Oz-Arslan D., Itah Z., Naghavi A., Deveci R., Karaçalı S., Gözüaçık D.  
APOPTOSIS, vol.17, pp.810-820, 2012 (SCI-Expanded)
- XV. **Green fluorescent protein - Tagged HCV non-enveloped capsid like particles: Development of a new tool for tracking HCV core uptake**

Katsarou K., Serti E., Tsitoura P., Lavdas A. A., Varaklioti A., Pickl-Herk A., Blaas D., Oz-Arslan D., Zhu R., Hinterdorfer P., et al.

BIOCHIMIE, vol.91, no.7, pp.903-915, 2009 (SCI-Expanded)

XVI. **IL-6 and IL-8 release is mediated via multiple signaling pathways after stimulating dendritic cells with lysophospholipids**

Oz-Arslan D., Ruscher W., Myrtek D., Ziemer M., Jin Y., Damaj B. B., Sorichter S., Idzko M., Norgauer J., Maghazachi A. A.

JOURNAL OF LEUKOCYTE BIOLOGY, vol.80, no.2, pp.287-297, 2006 (SCI-Expanded)

XVII. **Role of G proteins and ERK activation in hemin-induced erythroid differentiation of K562 cells**

Kucukkaya B., Arslan D., Kan B.

LIFE SCIENCES, vol.78, no.11, pp.1217-1224, 2006 (SCI-Expanded)

XVIII. **IL-8 producing cells in patients with Behcet's disease**

Mantas C., DİRESKENELİ R. H., Oz D., Yavuz S., Akoglu T.

CLINICAL AND EXPERIMENTAL RHEUMATOLOGY, vol.18, no.2, pp.249-251, 2000 (SCI-Expanded)

XIX. **Double G(0)/G(1) peak in the DNA histogram of aberrant marker positive acute leukemia patients is associated with a poor clinical outcome**

Eksioglu-Demiralp E., Budak-Alpdogan T., Alpdogan O., Atalay A., Ratip S., Oz D., Bayik M., Akoglu T.

LEUKEMIA & LYMPHOMA, vol.33, no.5-6, pp.567-572, 1999 (SCI-Expanded)

## Articles Published in Other Journals

I. **Effects of Prolonged Intermittent Fasting Model on Energy Metabolism and Mitochondrial Functions in Neurons**

Pak M., Bozkurt S., Pınarbaşı A., ÖZ ARSLAN D., Aksungar F.

Annals of Neurosciences, vol.29, no.1, pp.21-31, 2022 (ESCI)

II. **Otofaji Bir hücrel stres yanıtı ve ölüm mekanizması**

ÖZ ARSLAN D., KORKMAZ G., GÖZÜAÇIK D.

Acıbadem Üniversitesi, Sağlık Bilimleri Dergisi, vol.2, no.4, pp.184-194, 2011 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

I. **Mitochondrial Alterations in Alzheimer's Disease: Insights from the 3xTg Mouse Model**

KESKİNÖZ E. N., PATRON C., ÖZ ARSLAN D., ERİSİR A.

5. Uluslararası 34. Ulusal Biyofizik Kongresi, İzmir, Turkey, 06 September 2023

II. **14th EBSA congress, July 31 – August 4, 2023, Stockholm, Sweden – Abstracts**

ÖZ ARSLAN D., KESKİNÖZ E. N., ÇELİK M., KOÇ B.

14th EBSA congress, Stockholm, Sweden, 31 July 2023, vol.52, pp.114

III. **An Investigation into the effect of the Different Vinculin Isoforms in the Morphology of H9C2 Cells**

Kasap Can H., Öz Arslan D., Kan B., Durer Z. A.

4. Uluslararası-33. Ulusal Biyofizik Kongresi, Adıyaman, Turkey, 31 August - 03 September 2022

IV. **Valproik asit ile indüklenen otizm modelinde mitokondriyal dinamiklerin gelişimsel süreçte incelenmesi**

ÖZER S., SARI E., ERKAYA M., DARILMAZ İ., ÖZ ARSLAN D., MÜFTÜOĞLU M., SÜYEN G.

20. Ulusal Sinirbilim Kongresi, İstanbul, Turkey, 19 October 2022

V. **The Effects of Liraglutide on NLRP3 Inflammasome Activation and Cognitive-Behavioral Changes in the Lithium-Pilocarpine-Induced Temporal Lobe Epilepsy Model in Rats**

Antmen F. M., Fedaioglu Z., Acar D., Demircan S., Rzyave L., Kardouh F., Karakose B., Ada E., Yavuz I. E., Sayer A. K., et al.

20. Ulusal Sinir Bilim Kongresi, İstanbul, Turkey, 19 - 23 October 2022, pp.79-80

- VI. **The relationship between overexpression of the orphan receptor GPR37 and autophagy in SH-SY5Y and Hep3B cells.**  
Açıkgöz D., Öz Arslan D., Durer Z. A., Kan B.  
Fifth ERNEST Meeting COST Action CA18133. Bridging Perspectives and Networking in Signal Transduction Research, Bari, Italy, 4 - 08 October 2021, pp.56
- VII. **The impact of high-density lipoprotein on the polarization and mitochondrial function of monocytes and macrophages.**  
Şenay S., Ağırbaşı D., Öz Arslan D.  
4. Uluslararası-33. Ulusal Biyofizik Kongresi, Adıyaman, Turkey, 31 August - 03 September 2022, pp.10
- VIII. **The effects of GLP1 analogue, liraglutide on mitochondrial dynamics and inflammation in the rat model of lithium-pilocarpine- induced temporal lobe epilepsy**  
Fedaioglu Z., Antmen M., Acar D., Demircan S., Rzyave L., Kardouh F., Karaköse B., Ada E., Yavuz İ. E., Senay S., et al.  
EMBO WORKSHOP: Autophagy in brain health and disease, Barcelona, Spain, 11 - 14 May 2022, pp.42
- IX. **The Effects of Choline, Uridine Monophosphate and Fish Oil on Synaptogenesis and Mitochondrial Dynamics In an Alzheimer's Mouse Model**  
Keskinöz E. N., Koç B., Acar D., Şimşek A. C., Ada E., Yavuz İ., Sarı E., Ay B., Açikel Elmas M., Ünal M., et al.  
EMBO WORKSHOP: Autophagy in brain health and disease, Barcelona, Spain, 11 - 14 May 2022, pp.33-34
- X. **Understanding the effects of H. pylori ΔOipA strain on mitochondrial function by comparing H.pylori Δ CagA, ΔVacA and ΔCagAVacA strains**  
Akçelik deveci S., Büyükcölek Y., ÖZ ARSLAN D., ÖKTEM OKULLU S.  
32nd European Congress of Clinical Microbiology & Infectious Diseases, Lisbon, Portugal, 23 April 2022
- XI. **Parkinson ile İlişkili Yetim G Protein Kenetli Reseptör GPR37'nin Otofaji ile Bağlantısının SH-SY5Y ve Hep3B Hücrelerinde İncelenmesi**  
Öz Arslan D., Demir T., Açıkgöz D., Durer Z. A., Kan B.  
32. Ulusal Biyofizik Kongresi, İstanbul, Turkey, 17 - 19 November 2021, pp.66
- XII. **The effect of high-density lipoprotein (HDL) on autophagy and mitochondrial dynamics in a monocytic cell line**  
Senay S., Ağırbaşı D., Öz Arslan D.  
6th European Congress of Immunology Virtual meeting , İstanbul, Turkey, 1 - 04 September 2021, pp.68
- XIII. **An Interactome of ATG3 in a hepatoma cell line**  
Öz Arslan D., Açıkgöz D., Kan B., Oztug M., Bozkurt S., Timuçin E., Durer Z. A.  
Autophagy UK Meeting , London, England, 26 - 27 May 2021, pp.29
- XIV. **STRUCTURING OF PhD PROGRAMS IN THE INSTITUTE OF HEALTH SCIENCES FOR ORPHEUS: ACIBADEM UNIVERSITY EXPERIENCE**  
Bayram Akçapınar G., Öz Arslan D., Özbek U.  
ORPHEUS Conference 2021, Braga, Portugal, 22 - 24 April 2021, pp.0-1
- XV. **The Role of Autophagy and Mitochondrial Dynamics in Neurodegenerative Diseases: A Study in an Alzheimer Disease Model**  
Kan B., Bilge B., Bozkurt S., Ulus İ. H., Öz Arslan D.  
Jubilee Scientific Conference "Medicine of the Future", Plovdiv, Bulgaria, 29 - 31 October 2020, vol.62, pp.19-20
- XVI. **The Effects of CDP-Choline on Autophagy and Mitochondrial Dynamics in Amyloid-Treated PC12 Cells**  
Kan B., Bozkurt S., Bilge B., Öz Arslan D.  
COST 2nd ERNEST Online Meeting New Perspectives in Signal Transduction: GPCRs and Beyond, İstanbul, Turkey, 28 - 30 March 2020, pp.14
- XVII. **The effects of prolonged fasting model on energy metabolism and mitochondrial functions in neuronal cells**  
Pak M., Aksungar F., Öz Arslan D., Pınarbaşı A., Bozkurt S., Kolay M.  
XXVII. BALKAN KLİNİK LABORATUVAR FEDERASYONU KONGRESİ BCLF 2019 XXX. TÜRK BİYOKİMYA DERNEĞİ ULUSAL BİYOKİMYA KONGRESİ TBD 2019, Antalya, Turkey, 27 - 31 October 2019, pp.94
- XVIII. **Unraveling New Binding Partners of ATG3 Protein in HEP3B Cells**

- Öz Arslan D., Açıkgöz D., Kan B., Öztuğ M., Durer Z. A.  
31. Ulusal Biyofizik Kongresi, Adana, Turkey, 9 - 12 October 2019, pp.29
- XIX. Evaluation of different transfection agents for expression of fluorescently labeled autophagy and mitophagy genes in hepatoma cells**  
Kan B., Öz Arslan D., Durer Z. A.  
31. Ulusal Biyofizik Kongresi, Adana, Turkey, 9 - 12 October 2019, pp.41
- XX. The role of High Density Lipoprotein-Cholesterol (HDL-C) on autophagy in monocytes and endothelial cells**  
Şenay S., Öz Arslan D., Ağırbaşı D.  
Age-Related Human Diseases Special Focus: Autophagy GBM/DGZ Fall Conference,, Stuttgart, Germany, 25 September - 27 December 2019, pp.62-63
- XXI. The Effects of CDP-Choline on Mitochondrial Dynamics**  
Bozkurt S., Açıkgöz D., Öz Arslan D.  
Age-Related Human Diseases Special Focus: Autophagy GBM/DGZ Fall Conference, Stuttgart, Germany, 25 - 27 September 2019, pp.4
- XXII. The Effect of High Density Lipoprotein-Cholesterol (HDL-C) on Autophagy**  
Ağırbaşı D., Öz Arslan D., Şenay S., Bozkurt S., Kalyoncu M.  
International Atherosclerosis Society HDL Workshop, Valencia, Spain, 25 September - 27 December 2019, pp.1
- XXIII. Biochemical and structural characterization of the propeptide of pregnancy-associated plasma protein A and its cellular effects**  
DURER Z. A., Bozkurt S., ÖZ ARSLAN D., TİMUÇİN E., Vizcarra C. L., COSKUN A.  
Joint 12th EBSA European Biophysics Congress / 10th IUPAP International Conference on Biological Physics (ICBP), Madrid, Spain, 20 - 24 July 2019
- XXIV. Unraveling New Binding Partners of Atg3 in Autophagy and Mitophagy**  
Öz Arslan D., Açıkgöz D., Kan B., Durer Z. A.  
Joint 12th EBSA European Biophysics Congress / 10th IUPAP International Conference on Biological Physics (ICBP), Madrid, Spain, 20 - 24 July 2019, vol.48, pp.147
- XXV. Fosfolipit sentezinde bir aracı molekülün otofaji ve mitokondriyal dinamikler üzerine etkisi**  
Öz Arslan D.  
24. Ulusal Elektron Mikroskopisi Kongresi , Edirne, Turkey, 24 - 26 April 2019, pp.34
- XXVI. Nörodejeneratif bir Hastalık Modelinde CDP-Kolin'in Otofaji ve Mitokondriyal Dinamikler Üzerindeki Rolü**  
Bilge B., Gezmiş H., Bozkurt S., Durer Z. A., Yücel D., Kan B., Ulus İ. H., Öz Arslan D.  
28-29. Ulusal Biyofizik Kongresi, İstanbul, İstanbul, Turkey, 6 - 09 September 2017
- XXVII. The effect of CDP-choline on autophagy and mitochondrial dynamics in beta-amyloid treated PC12 cells**  
BİLGE B., GEZMİŞ H., BOZKURT S., YÜCEL D., KAN B., ULUS İ. H., ÖZ ARSLAN D.  
19th IUPAB and 11th EBSA Congress, Eur Biophys J. (2017) 46 (Suppl 1):S43-S402, 16 - 20 July 2017
- XXVIII. The effect of CDP-choline on autophagy and mitochondrial dynamics in beta-amyloid treated PC12 cells**  
Bilge B., Gezmis H., Bozkurt S., Yucel D., Kan B., Ulus İ. H., Oz-Arslan D.  
19th IUPAB Congress / 11th EBSA Congress, Edinburgh, Saint Helena, 16 - 20 July 2017, vol.46
- XXIX. Changes in Autophagic Activity of Differentiated PC12 Response to CDP-Choline**  
BİLGE B., YÜCEL D., KAN B., ULUS İ. H., GEZMİŞ H., ÜSTÜNER B., ÖZ ARSLAN D.  
Autophagy Network Integration in Health and Disease, Keystone Symposia, United States Of America, 12 - 16 February 2017
- XXX. Investigation of the role of cardiolipin on autophagy in the yeast model**  
Öz Arslan D., Kılıçkaya G., Bilge,Bilge B., Üstüner B., Kılınç E., Kan B., Oktay Y.  
41st FEBS Congress, Molecular and Systems Biology for a Better Life, Aydın, Turkey, 3 - 08 August 2016, vol.283, pp.1-441
- XXXI. Mayada otofaji ve mitokondriyal işlevsizlik arasındaki ilişki**

- ÖZ ARSLAN D., KILIÇKAYA G., ÜSTÜNER B., KILINÇ E., OKTAY Y.  
27. Ulusal Biyofizik Kongresi, İnönü Üniveristesi, Malatya, Turkey, 29 September - 03 October 2015
- XXXII. **The relationship between mitochondrial dysfunction and autophagy in yeast**  
ÖZ ARSLAN D., KILIÇKAYA G., ÜSTÜNER B., KILINÇ E., OKTAY Y.  
EMBO Conference "Autophagy signalling and progression in health and disease", Chia, Italy., 9 - 12 September 2015
- XXXIII. **ATG3 protein in autophagy apoptosis coordination**  
ÖZ ARSLAN D.  
KARAKÖY AUTOPHAGY SYMPOSIUM, İstanbul, Turkey, 22 October 2014
- XXXIV. **Involvement of cardiolipin in yeast autophagy**  
ÖZ ARSLAN D., GÜNGÖRÜRLER E., OKTAY Y.  
International Autophagy Conferences, First Joint Meeting of Nordic, Spanish and French Autophagy Networks (NSF), Toulouse, France, 15 - 18 September 2014
- XXXV. **Otofaji ve apoptoz arasında yeni bir bağlantı Atg3 ün kaspaz 8 tarafından kesimi**  
ÖZ ARSLAN D., ORAL Ö., İTAH Z., GÖZÜAÇIK D.  
XXV. Ulusal Biyofizik Kongresi, Karadeniz Teknik Üniversitesi, Trabzon, Turkey, 24 - 27 September 2013
- XXXVI. **A novel link between autophagy and apoptosis Cleavage of Atg3 protein by caspase 8**  
ÖZ ARSLAN D., ORAL Ö., İTAH Z., GÖZÜAÇIK D.  
FEBS Special Meeting, Protein quality Control and Ubiquitin Systems in Health and Disease, Kuşadası, Turkey, 14 - 16 November 2012
- XXXVII. **Hücre farklılaşması ve otofaji sırasında hücre zarında meydana gelen değişiklikler**  
ÖZ ARSLAN D., ÖNCÜL Ş., KAN B.  
XXIV. Ulusal Biyofizik Kongresi, Marmara Üniversitesi, İstanbul, Turkey, 25 - 28 September 2012
- XXXVIII. **Cytokine response of dendritic cells to Herpes Simplex virus 1 HSV 1 based vectors**  
ÖZ ARSLAN D., TSITOURA E., KAZAZI D., FOKA P., EPSTEIN A. L., MAVROMARA P.  
Molecular Immunology & Immunogenetics Congress, Antalya, Turkey, 23 - 26 April 2012
- XXXIX. **A novel link between autophagy and apoptosis through caspase mediated cleavage of an Atg protein**  
ORAL Ö., ÖZ ARSLAN D., İTAH Z., ERMAN M. B., GÖZÜAÇIK D.  
ICDS Multidisiplinary approaches in cell death research from yeast to human. Antalya, Turkey, 28 - 31 May 2010
- XL. **Dendritic cell signatures of virus based vaccine delivery vheciles**  
KAZAZI D., TSITOURA E., KHALILI S., ÖZ ARSLAN D., VASILAKI N., ASLANOĞLU E., KOCHLIOS M., BELTRAME L., CAVALIERI D., BENES V., et al.  
DC-Thera network of excellence FP6. DC-Thera final annual meeting dendritic cells and new therapies. Athens, Greece, 5 - 08 May 2010
- XLI. **Characterisation of dendritic cell related mRNA expression profile elicited by HSV 1 and HSV 1 based amplicon vectors**  
ÖZ ARSLAN D., TSITOURA E., KAZAZI D., FOKA P., EPSTEIN A. L., MAVROMARA P.  
XIV. International Congress of Virology, Istanbul, Turkey, 10 August - 15 October 2008
- XLII. **Rational design and standardized evaluation of novel genetic vaccines**  
TSITOURA E., ÖZ ARSLAN D., KLATZMANN D., BLAZEWCZ J., BROCKER T., COSSET F. L., DALBA C., DALLIANIS T., EPSTEIN A., JENNINGS G., et al.  
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- XLIII. **Transcriptional profiling dendritic cells upon in vivo exposure to adeno based vaccine vectors**  
TSITOURA E., ÖZ ARSLAN D., KLATZMANN D., BLAZEWCZ J., BROCKER T., COSSET F. L., DALBA C., DALLIANIS T., EPSTEIN A., JENNINGS G., et al.  
Joint Conferences of the 33rd of FEBS Congress/11th IUBMB Conference, Athens, Greece, 28 June - 03 July 2008, vol.275, pp.407
- XLIV. **Interaction of Herpes Simplex virus 1 HSV 1 based vectors with Dendritic cells**  
ÖZ ARSLAN D., TSITOURA E., KAZAZI D., FOKA P., EPSTEIN A. L., MAVROMARA P.  
EMBO Young Scientist Forum, Istanbul, Turkey, 20 - 22 February 2008
- XLV. **Gene expression profiling of dendritic cells upon in vivo exposure to recombinant viral vaccine**



**vectors and virus like particles VLPs**

KHALILI S., ÖZ ARSLAN D., KAZAZI D., IVACEVIC T., TSITOURA E., KREPPPEL F., KOCHANNEK S., JENNINGS G., BELLIER B., BROCKER T., et al.

59th Conference of the Hellenic Biochemistry and Molecular Biology Societies, 5 - 07 December 2007

- XLVI. **Gene expression profiling of dendritic cells upon in vivo exposure to different vaccines**  
TSITOURA E., ÖZ ARSLAN D., KLATZMANN D., BLAZEWCZ J., BROCKER T., COSSET F. L., DALBA C., DALLIANIS T., EPSTEIN A., JENNINGS G., et al.  
Keystone Symposia, Global Vaccine Development, Cape Town, South Africa, 8 - 13 October 2007
- XLVII. **ERK1 2 phosphorylation in human dendritic cells in response to chemokines**  
ÖZ ARSLAN D., KAN B., MAGHAZACHI A.  
31st FEBS Congress, Istanbul, Turkey, 24 - 27 June 2006
- XLVIII. **Heminle eritroid farklılaşmaya indüklenen K562 hücrelerinde ERK1 2 fosforilasyonu**  
ÖZ ARSLAN D., KAN B.  
XVII. Ulusal Biyofizik Kongresi, Ege Üniversitesi, İzmir, Turkey, 7 - 09 September 2005
- XLIX. **K562 hücrelerinin eritroid farklılaşmasında Galfas ve Galfa16 Ekspresyonu**  
KÜÇÜKKAYA B., ÖZ D., KAN B.  
XV. Ulusal Biyofizik Kongresi, Pamukkale Üniversitesi, Denizli, Turkey, 8 - 12 October 2003
- L. **G protein subunit G alpha 16 expression in K562 Cells**  
ÖZ D., KUCUKKAYA B., KAN B.  
FEBS Special Meeting 2003 on Signal Transduction, Brussels, Belgium, 3 - 08 July 2003
- LI. **Changes in morphology and membrane potential of lymphocytes induced by extremely low frequency electromagnetic fields**  
MEGA TİBER P., ÖZ D., KLYMENCENKO A., ARBAK S., ERCAN F., İNHAN GARİP A.  
Biological effects of EMFs. 2nd international workshop, Rhodes, Greece, 7 - 11 October 2002
- LII. **Düşük frekanslı elektromanyetik alanların lenfosit proliferasyonuna ve membran fiziksel parametrelerine etkisi**  
MEGA TİBER P., ÖZ D., KLYMENCENKO A., ARBAK S., ERCAN F., İNHAN GARİP A.  
27. Ulusal Fizyoloji Kongresi. Marmara Üniversitesi Tıp Fakültesi, Haydarpaşa, İstanbul, Turkey, 8 - 12 October 2001
- LIII. **The effects of low frequency electromagnetic fields on membrane potential of T Lymphocytes**  
MEGA TİBER P., ÖZ D., İNHAN GARİP A., ANDREY K.  
12th BBBB Balcan Biochemical Biophysical Days, Bucharest, Romania, 10 - 13 May 2001
- LIV. **Galphas Galphai 2 Galpha16 expression levels during erythroid differentiation in K562 cells**  
KUCUKKAYA KOLCAK B., ÖZ D., KAN B.  
12th BBBB Balcan Biochemical Biophysical Days, Bucharest, Romania, 10 - 13 May 2001
- LV. **Düşük frekanslı elektromanyetik alana maruz bırakılan T lenfositlerinin membran potansiyellerinin incelenmesi**  
MEGA TİBER P., ÖZ D., KLYMENCENKO A., ARBAK S., ERCAN F., İNHAN GARİP A.  
XII. Ulusal Biyofizik Kongresi. Silivri, İstanbul, Turkey, 7 - 09 September 2000
- LVI. **TNF Alpha gene polymorphism in Behçet s disease**  
ÖZ D., KARSLI F., ATALAY A., ŞAHİN Ş.  
In: Bang D, Lee ES, Lee S. Proceedings of the 9th International Conference on Behçet's disease. Seoul: Design Mecca Publishing, 27 - 29 May 2000, pp.161-165
- LVII. **Role of P selectin in PMN endothelial cell adhesion in patients with Behçet s disease**  
ÖZ D., KARSLI F., MUDUN A., ŞAHİN Ş.  
In: Bang D, Lee ES, Lee S. Proceedings of the 9th International Conference on Behçet's disease. Seoul: Design Mecca Publishing; 2000. p. 250-253, 27 - 29 May 2000, pp.250-253
- LVIII. **IL 8 receptor expression on peripheral blood leukocytes in Behçet s disease**  
ÖZ D., KARSLI F., MUDUN A., ŞAHİN Ş.  
In: Bang D, Lee ES, Lee S. Proceedings of the 9th International Conference on Behçet's disease. Seoul: Design Mecca Publishing; 2000. p. 183-186, 27 - 29 May 2000, pp.183-186

- LIX. **Decreased expression of TNF receptor I II TNF RI II on peripheral blood leukocytes and increased levels of soluble TNF RI II sTNF RI II in the sera of Behçet s disease**  
ÖZ D., KARSLI F., MUDUN A., ŞAHİN Ş.  
In: Bang D, Lee ES, Lee S. Proceedings of the 9th International Conference on Behcet's disease. Seoul: Design Mecca Publishing; 2000. p. 166-169, 27 - 29 May 2000, pp.166-169

## Supported Projects

Yücel D., Öz Arslan D., Kan B., Ulus İ. H., Oktay Y., Gözüaçık D., TUBITAK Project, Hasarlı Pc12 Hücrelerinde Sitidin 5-Difosfokolin'in (Cdp-Ch) Otofaji ve Mitofaji Üzerine Etkisinin İncelenmesi, 2014 - 2017

## Memberships / Tasks in Scientific Organizations

Türk Proteomik Derneği, Member, 2013 - Continues, Turkey  
Türk Biyofizik Derneği, Member, 2000 - Continues, Turkey  
Türk Biyokimya Derneği, Member, 2000 - Continues, Turkey  
Türk İmmünoloji Derneği, Member, 1996 - Continues, Turkey

## Scientific Refereeing

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Tübitak, Turkey, June 2023

## Scientific Research / Working Group Memberships

Cost Action 21117 Immuparknet (The Role Of Immunity In Tackling Parkinson'S Disease Through A Translational Network), EU-COST, Belgium, <https://immuparknet.eu/>, 2022 - Continues  
European Research Network On Signal Transduction (Ernest ), EU-COST Action, Belgium, <https://ernest-gpcr.eu/>, 2020 - 2023

## Metrics

Publication: 101  
Citation (WoS): 264  
Citation (Scopus): 273  
H-Index (WoS): 5  
H-Index (Scopus): 5

## Congress and Symposium Activities

4th Annual Symposium of Women in Autophagy, Attendee, New York, United States Of America, 2023  
The 1st Dissemination Event of the Acibadem University Gemstone Project, Working Group, İstanbul, Turkey, 2023  
5. ULUSLARARASI/34. ULUSAL BİYOFİZİK KONGRESİ, Session Moderator, İzmir, Turkey, 2023  
5. ULUSLARARASI/34. ULUSAL BİYOFİZİK KONGRESİ, Attendee, İzmir, Turkey, 2023  
14. EBSA (Avrupa Biyofizik Kongresi) 2023, Attendee, Stockholm, Sweden, 2023  
Second Immuparknet Conference, Working Group, Sevilla, Spain, 2023

1st Annual Conference of Immuparknet (COST ACTION-CA21117), Working Group, İstanbul, Turkey, 2023  
3rd Women in Autophagy Virtual Symposium , Attendee, New York, United States Of America, 2022  
8 InInternational Congress of the Molecular Biology Association of Turkey, Moderator, İstanbul, Turkey, 2022  
11. Ulusal Sağlıklı Yaşam Kongresi, Invited Speaker, İstanbul, Turkey, 2022  
EMBO Workshop Autophagy in brain health and disease, Attendee, Barcelona, Spain, 2022

## **Scholarships**

2224-D Yurt Dışındaki Bilimsel Eğitim Etkinliklerine Katılımı Destekleme Programı, TÜBİTAK, 2023 - 2023