

# ERDİNÇ DURSUN

## ASSOC. PROF.

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Kocamustafapasa Fatih, 34098, İstanbul



### Learning Knowledge

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|------------------------------------|--|
| Post Doctorate<br>2009 - Continues | İstanbul Üniversitesi, Cerrahpaşa Tıp Fakültesi, Tıbbi Biyoloji Anabilim Dalı,<br>Turkey |
| Doctorate<br>2003 - 2009           | İstanbul Üniversitesi, Cerrahpaşa Tıp Fakültesi, Tıbbi Biyoloji Anabilim Dalı,<br>Turkey |
| Postgraduate<br>2000 - 2003        | İstanbul Üniversitesi, Cerrahpaşa Tıp Fakültesi, Tıbbi Biyoloji Anabilim Dalı,<br>Turkey |
| Undergraduate<br>1995 - 2000       | İstanbul Üniversitesi, Fen Fakültesi , Biyoloji Bölümü, Turkey                           |

### Foreign Languages

English, C1 Advanced

### Certificates, Courses and Trainings

Health&Medicine, Hybrid course in Statistical Genetic Analysis of Complex Phenotypes, İstanbul Üniversitesi / DETAE, 2006

Health&Medicine, Deney Hayvanları Uygulama ve Etik Kursu, İstanbul Üniversitesi / Cerrahpaşa Tıp Fakültesi, 2005

Health&Medicine, Yardımcı Üreme Teknikleri ve Transgenik Hayvan Modelleri, TÜBİTAK, 2003

Health&Medicine, Proteomik, Protein Analizinde Yeni Yaklaşımlar, İstanbul Üniversitesi / BİYOGEM, 2003

Health&Medicine, Genetik Mühendisliğinde Kullanılan Yöntemler-BİYOGEM, İstanbul Üniversitesi / BİYOGEM, 2002

### Dissertations

Doctorate, Vitamin D'nin Alzheimer Hastalığı ile İlişkisinin Araştırılması, İstanbul Üniversitesi, Cerrahpaşa Tıp Fakültesi, Tıbbi Biyoloji Anabilim Dalı, 2009

Postgraduate, Alzheimer hastalarında Presenilin-1 polimorfizmi, İstanbul Üniversitesi, Cerrahpaşa Tıp Fakültesi, Tıbbi Biyoloji Anabilim Dalı, 2003

### Academic Titles / Tasks

## Supported Projects

1. BENBİR ŞENEL G., KARADENİZ D., GEZEN AK D., DURSUN E., Project Supported by Higher Education Institutions, Obstrüktif uyku apne sendromunda kognisyonda bozulmaya neden olan nörofizyolojik ve enflamatuar mekanizmalar, 2021 - Continues
2. GEZEN AK D., DURSUN E., ÇAMOĞLU T., YURTTAŞ Z., Project Supported by Higher Education Institutions, Prion peptidi üretimi ve Creutzfeldt Jakob Hastalığının teşhisinde kullanılmak üzere EPQuIC testinin standardizasyonu, 2021 - Continues
3. DURSUN E., GEZEN AK D., ALAYLIOĞLU M., KESKİN E., ÇAMOĞLU T., YURTTAŞ Z., SORDU P., ŞENGÜL B., Project Supported by Higher Education Institutions, Amiloid beta 1-42 ve alfa sinüklein proteinlerinin transkripsiyon faktörlerinin ekspresyonları üzerine etkileri, 2019 - Continues
4. GEZEN AK D., DURSUN E., YURTTAŞ Z., ŞENGÜL B., ÇAMOĞLU T., ALAYLIOĞLU M., Project Supported by Higher Education Institutions, Nörodejenerasyon ile ilişkili alfa sinüklein ve amiloid beta 1-42 peptidlerinin, şaperonlarla etkileşiminin, hücre içi taşınım ve hücre dışına salınım süreçleri açısından araştırılması, 2019 - Continues
5. KAYMAZ F. A. , GEZEN AK D., DURSUN E., ALAYLIOĞLU M., KAYA Y., NASİBOĞLU B., BAYRAKAL A., SORDU P., Project Supported by Higher Education Institutions, Kedi ve Köpeklerde Yaşlanma ile Vitamin D ve Vitamin D Metabolizmasında Yer Alan Moleküller Arasındaki İlişkinin Belirlenmesi, 2018 - Continues
6. GÜREL Ç., YILMAZER S., DURSUN E., GEZEN AK D., TUBITAK Project, Vitamin Dnin mitokondrial genlerin ekspresyonları üzerine etkisinin hücresel ve klinik düzeyde araştırılması, 2015 - Continues
7. YILMAZER S., DURSUN E., GEZEN AK D., TUBITAK Project, Vitamin D Reseptörü Ve 1,25 Marrs Geni Susturulmuş Nöronlarda Beta Amiloid Üretimi Ve Tau Fosforilasyonu, 2015 - Continues
8. GÖNEN M. S. , DURCAN E., NOHUT O. K. , KUTLUBAY Z., GEZEN AK D., DURSUN E., KONUKOĞLU D., DİKMEN Y., BALKAN İ. İ. , KARA H. V. , et al, Project Supported by Higher Education Institutions, COVID19 Tedavi Protokolünde Vitamin D3 Takviyesinin Değerlendirilmesi, 2020 - 2021
9. ULUTİN A. N. T. , SORDU P., DURSUN E., Project Supported by Higher Education Institutions, Alzheimer hastalarına ait beyin omurilik sıvılarında HSP90AA1 CHIP(STUB1) ve HSPA4 şaperon proteinlerinin seviyelerinin araştırılması, 2019 - 2021
10. GEZEN AK D., ALAYLIOĞLU M., DURSUN E., SORDU P., KESKİN E., ŞENGÜL B., Project Supported by Higher Education Institutions, İnsan astrositlerinde alfa sinüklein ve amiloid betanın inflamasyon parametreleri üzerine etkisi, 2018 - 2021
11. Dursun E., Gezen Ak D., Kasap M., Akpınar G., TUBITAK Project, Nükleer Hormon Reseptörü Olan Vitamin D Reseptörünün Plazma Membranına Translokasyonunun Moleküler Mekanizmasının Araştırılması, Plazma Membranında Protein-Protein İlişkilerinin Tespiti Ve Nörodejenerasyon İle İlişkisi , 2018 - 2021
12. GEZEN AK D., DURSUN E., ALAYLIOĞLU M., YILMAZER S., Project Supported by Higher Education Institutions, Kortikosteroid metabolizmasının nörodejenerasyonda hafıza yolları üzerine etkisinin beyin organotipik kesit kültüründe araştırılması, 2017 - 2020
13. GEZEN AK D., DURSUN E., Project Supported by Higher Education Institutions, Sinirbilim Alanında Kullanılacak Canlı Hücre Görüntüleme Tekniğinin Üniversitemiz Bünyesinde Gerçekleştirilmesi, 2018 - 2019
14. DURSUN E., ATASOY İ. L. , Project Supported by Higher Education Institutions, nAChR alfa7nin Sinaptik Plastisite Üzerine Etkilerinin Olfaktör Bulbus ve Hippokampus Organotipik Kesit Kültürlerinde İncelenmesi, 2017 - 2019
15. DURSUN E., GEZEN AK D., Project Supported by Higher Education Institutions, Vitamin D Receptor Regulates Amyloid Beta 142 Production With Protein Disulfide Isomerase A3, 2018 - 2018

16. AYDIN N., ARYA A., DURSUN E., GEZEN AK D., KARAİSMAİLOĞLU B., Project Supported by Higher Education Institutions, Deltopectoral Approach for Shoulder Arthroplasty, 2017 - 2018
17. DURSUN E., ATASOY İ. L. , ALTUNRENDE M. E. , GEZEN AK D., Project Supported by Higher Education Institutions, Astaxanthinin nöron koruyucu etkilerinin kalsiyum homeostasında görevli kanallar ve proteinler üzerinden araştırılması, 2017 - 2018
18. GEZEN AK D., DURSUN E., Project Supported by Higher Education Institutions, Amiloid beta 1-42'nin nörodejenerasyon ile ilişkili genlerin ekspresyonları üzerine etkisi, 2017 - 2018
19. DURSUN E., GEZEN AK D., Project Supported by Higher Education Institutions, GC and VDR SNPs and Vitamin D Levels in Parkinsons Disease The Relevance to Clinical Features, 2017 - 2018
20. DURSUN E., KESKİN E., Project Supported by Higher Education Institutions, Nörona farklılaştırılmış SHSY5Y hücrelerinde amiloid beta ve alfa sinüklein patolojilerinin inflamatuvar yanıt üzerine etkisi, 2017 - 2018
21. YILMAZER S., CANDAS E., ALAYLIOĞLU M., GEZEN AK D., DURSUN E., ATASOY İ. L. , Project Supported by Higher Education Institutions, Beta Site APP Cleaving Enzyme 1 regulation depends on VDR or PDIA3, 2017 - 2017
22. GEZEN AK D., ALAYLIOĞLU M., ATASOY İ. L. , YILMAZER S., DURSUN E., Project Supported by Higher Education Institutions, The Effects of Vitamin D on the mRNA Expression of Mitochondrial DNA Encoded Subunits of Oxphos Complexes, 2017 - 2017
23. DURSUN E., GEZEN AK D., CANDAS E., YILMAZER S., Project Supported by Higher Education Institutions, VDR Suppression and CYP24 Induction By Amyloid Beta Might Involve Mir27b-3p Let7a5p Mir125b-5p in Amyloid Beta Treated Cortical Neuron Cultures, 2017 - 2017
24. DURSUN E., GEZEN AK D., YILMAZER S., Project Supported by Higher Education Institutions, Beyin ve Nörodejeneratif Hastalıklar Araştırma Ünitesi Altyapısının Geliştirilmesi, 2017 - 2017
25. GEZEN AK D., YILMAZER S., DURSUN E., Project Supported by Higher Education Institutions, Vitamin D Reseptörü Ve 125 Marrs Geni Susturulmuş Nöronlarda Beta Amiloid Üretimi Ve Tau Fosforilasyonu: NMDA reseptör alttıpleri üzerine etkisi, 2016 - 2017
26. DURSUN E., GEZEN AK D., YILMAZER S., Project Supported by Higher Education Institutions, Vitamin D ve miRNA125bnin Alzheimer Hastalığının Patolojisini Oluşturan Moleküler Mekanizmalar Üzerine Etkileri, 2016 - 2017
27. YILMAZER S., GEZEN AK D., DURSUN E., AYDIN N., KARAİSMAİLOĞLU B., Project Supported by Higher Education Institutions, İnsan kaynaklı primer fibrokondroblast kültürlerinde mRNA ekspresyon analizleri, 2015 - 2017
28. AYDIN N., ALAYLIOĞLU M., ATASOY İ. L. , CANDAS E., YILMAZER S., KARAİSMAİLOĞLU B., GEZEN AK D., DURSUN E., Project Supported by Higher Education Institutions, İnsan kaynaklı primer fibrokondroblast kültürlerinde kollajen ve sülfatlanmış glikozaminoglikan miktar tayinleri, 2015 - 2017
29. ÖZTÜRK SEZGİN M., ATASOY İ. L. , YILMAZER S., DURSUN E., METİN ARMAĞAN D., KORKMAZ KARABAY A., GEZEN AK D., Project Supported by Higher Education Institutions, The effect of tau hyperphosphorylation on Pin1 expression in primary cortical neurons in okadaic acid induced AD model, 2016 - 2016
30. YILMAZER S., ATASOY İ. L. , METİN ARMAĞAN D., DURSUN E., GEZEN AK D., ÖZTÜRK SEZGİN M., Project Supported by Higher Education Institutions, OKA induced tau hyperphosphorylation decrease BDNF protein levels in primary cortical neuron cultures, 2016 - 2016
31. ULUTİN A. N. T. , DURSUN E., GEZEN AK D., YILMAZER S., Project Supported by Higher Education Institutions, Glia derived neurotrophic factor: Its regulation by vitamin D and possible relation to mood disorders, 2016 - 2016
32. DURSUN E., Project Supported by Higher Education Institutions, The interleukin 1 alpha, interleukin 1 beta, interleukin 6 and alpha-2-macroglobulin serum levels in patients with early or late onset Alzheimer's disease, mild cognitive impairment or Parkinson's disease, 2015 - 2016
33. DURSUN E., Project Supported by Higher Education Institutions, 1.25 MARRS reseptörü susturulan nöronlarda APP ekspresyonunun saptanması, 2015 - 2016
34. GEZEN AK D., DURSUN E., YILMAZER S., Project Supported by Higher Education Institutions, Beyin ve Nörodejeneratif Hastalıklar Araştırma Birimi – Organotipik Kültür ve Gen Aktarımı Laboratuvarı, 2015 - 2016
35. GEZEN AK D., DURSUN E., YILMAZER S., Project Supported by Higher Education Institutions, Vitamin D reseptörleri siRNA yöntemiyle baskılanmış nöronlarda beta amiloid 1-42 ve tau hiperfosforilasyonunun saptanması, 2013 - 2016
36. DURSUN E., GÜR VİT İ. H. , GEZEN AK D., YILMAZER S., HANAĞASI H. A. , BİLGİÇ B., Project Supported by Higher Education Institutions, Çeşitli nörodejeneratif hastalıklarda vitamin D yolağı ile ilişkili genlerin polimorfizmleri ve

vitamin D seviyeleri, 2013 - 2016

37. DURSUN E., Project Supported by Higher Education Institutions, Vitamin D dependent regulation of gamma secretase complex, 2015 - 2015
38. GEZEN AK D., DURSUN E., TUBITAK Project, Alzheimer ve Parkinson Hastalığı İçin Biyomarkırlar Kullanılarak Standart Protokol Uygulaması, 2012 - 2015
39. GEZEN AK D., DURSUN E., EU Framework Program Project, Biomarkers of Alzheimer's Disease and Parkinson's Disease, 2012 - 2015
40. GEZEN AK D., HANAĞASI H. A. , BİLGİÇ B., DURSUN E., Project Supported by Higher Education Institutions, Parkinson Hastalığında vitamin D yolakları ile ilişkili genlerin araştırılması, 2012 - 2014
41. DURSUN E., Project Supported by Higher Education Institutions, Vitamin D, the gamma secretase modulator?: Elevated presenilin 1 expression via amyloid beta 1-42 is balanced with vitamin D, 2013 - 2013
42. DURSUN E., Project Supported by Higher Education Institutions, Mechanisms involved in the dysregulation of vitamin D mediated calcium homeostasis that occurs with aging, 2011 - 2011

## Awards

1. DURSUN E., Prof Dr. Altan Günalp İkincilik Ödülü, 2013, Tıbbi Biyoloji ve Genetik Derneği, October 2013
2. DURSUN E., Genç Araştırmacı Ödülü, Tıbbi Biyoloji ve Genetik Derneği, October 2013
3. DURSUN E., İstanbul Üniversitesi Uluslararası Bilime Katkı Ödülü, İstanbul Üniversitesi, April 2012
4. MEŞECİ GIORGETTI F., DURSUN E., DURSUN E., Yayın teşvik ödülü, TUBİTAK, December 2011
5. DURSUN E., Prof Dr. Altan Günalp İkincilik Ödülü, 2011, Tıbbi Biyoloji ve Genetik Derneği, October 2011
6. DURSUN E., İstanbul Üniversitesi Uluslararası Bilime Katkı Ödülü, İstanbul Üniversitesi, April 2008

## Scholarships

International Conference on Alzheimer's Disease 2011 Fellowsip, Other International Organizations, 2011 - Continues  
International Conference on Alzheimer's Disease 2009 Fellowsip, Other International Organizations, 2009 - Continues  
Beyin Araştırmaları Derneği Yurtdışı Eğitim Bursu, Special Institutions and Organizations, 2007 - Continues  
TUBİTAK 1001 projesi (107S041) kapsamında TUBİTAK bursiyeri (2 sene), TUBİTAK, 2007 - Continues  
International Conference on Alzheimer's Disease 2004 Fellowsip, Other International Organizations, 2004 - Continues

## Jury Memberships

Doctorate, Doktora Tez Savunması, Université d'Aix-Marseille – Faculté de Médecine , December, 2015

## Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

1. **Upregulation of Irisin and Vitamin D-Binding Protein Concentrations by Increasing Maternal 25-Hydroxyvitamin D Concentrations in Combination with Specific Genotypes of Vitamin D-Binding Protein Polymorphisms**  
Karras S. N. , DURSUN E., ALAYLIOĞLU M., GEZEN AK D., Al Anouti F., Pilz S., Pludowski P., Jude E., Kotsa K. NUTRIENTS, vol.14, no.1, 2022 (Journal Indexed in SCI)
2. **Investigating the Role of Functional Polymorphism of Maternal and Neonatal Vitamin D Binding Protein in the Context of 25-Hydroxyvitamin D Cutoffs as Determinants of Maternal-Neonatal Vitamin D Status Profiles in a Sunny Mediterranean Region**  
Karras S. N. , DURSUN E., Alayliohlu M., GEZEN AK D., Annweiler C., Al Anouti F., Fakhoury H. M. A. , Bais A., Kiortsis D. NUTRIENTS, vol.13, no.9, 2021 (Journal Indexed in SCI)

3. **Protein disulfide isomerase A3 might be involved in the regulation of 24-dehydrocholesterol reductase via vitamin D equilibrium in primary cortical neurons**  
YAVUZ U., ALAYLIOĞLU M., Sengul B., Karras S. N. , GEZEN AK D., DURSUN E.  
IN VITRO CELLULAR & DEVELOPMENTAL BIOLOGY-ANIMAL, vol.57, pp.704-714, 2021 (Journal Indexed in SCI)
4. **An Exploratory Study of Cognitive Involvement in Hereditary Transthyretin Amyloidosis**  
Durmus H., Cakar A., Demirci H., ALAYLIOĞLU M., GEZEN AK D., DURSUN E., Gulsen Parman Y.  
ACTA NEUROLOGICA SCANDINAVICA, 2021 (Journal Indexed in SCI)
5. **Diverse Effects of Combinations of Maternal-Neonatal VDR Polymorphisms and 25-Hydroxyvitamin D Concentrations on Neonatal Birth Anthropometry: Functional Phenocopy Variability Dependence, Highlights the Need for Targeted Maternal 25-Hydroxyvitamin D Cut-Offs during Pregnancy**  
Karras S. N. , Dursun E., Alaylioğlu M., Gezen-Ak D., Annweiler C., Skoutas D., Evangelidis D., Kiortsis D.  
NUTRIENTS, vol.13, no.2, 2021 (Journal Indexed in SCI)
6. **Overexpression of alpha-Synuclein Reorganises Growth Factor Profile of Human Astrocytes**  
Şengül B., Dursun E., Verkhatsky A., Gezen-Ak D.  
MOLECULAR NEUROBIOLOGY, vol.58, no.1, pp.184-203, 2021 (Journal Indexed in SCI)
7. **Gene expression profiling of primary fibrochondrocyte cultures in traumatic and degenerative meniscus lesions**  
Aydın N., Karaismailoğlu B., Alaylioğlu M., Gezen-Ak D., Şengül B., Candaş E., Yilmazer S., Dursun E.  
JOURNAL OF ORTHOPAEDIC SURGERY, vol.29, no.1, 2021 (Journal Indexed in SCI)
8. **A Bridge Between in vitro and in vivo Studies in Neuroscience: Organotypic Brain Slice Cultures**  
Alaylioğlu M., Dursun E., Yilmazer S., Ak D.  
NOROPSIKIYATRI ARSIVI-ARCHIVES OF NEUROPSYCHIATRY, vol.57, no.4, pp.333-337, 2020 (Journal Indexed in SCI)
9. **Low Levels of LRRK2 Gene Expression are Associated with LRRK2 SNPs and Contribute to Parkinson's Disease Progression**  
Yilmazer S., Candas E., Genc G., Alaylioglu M., Sengul B., GÜNDÜZ A., APAYDIN H., KIZILTAN G., Ertan S., DURSUN E., et al.  
NEUROMOLECULAR MEDICINE, 2020 (Journal Indexed in SCI)
10. **Genetic variants of vitamin D metabolism-related *DHCR7/NADSYN1* locus and *CYP2R1* gene are associated with clinical features of Parkinson's disease.**  
Alaylioglu M., Dursun E., Genc G., Sengul B., BİLGİÇ B., Gunduz A., Apaydin H., Kiziltan G., Gurvit H., Hanagasi H., et al.  
The International journal of neuroscience, pp.1-11, 2020 (Journal Indexed in SCI Expanded)
11. **Vitamin D receptor FokI polymorphism is a determinant of both maternal and neonatal vitamin D concentrations at birth.**  
Karras S. N. , Koufakis T., Antonopoulou V., Goulis D. G. , Alaylioglu M., DURSUN E., GEZEN AK D., Annweiler C., Pilz S., Fakhoury H., et al.  
The Journal of steroid biochemistry and molecular biology, vol.199, pp.105568, 2020 (Journal Indexed in SCI Expanded)
12. **Glial fibrillary acidic protein (GFAP)-antibody in children with focal seizures of undetermined cause**  
Savas M., Tzartos J., KÜÇÜKALİ C. İ. , DURSUN E., Karagiorgou K., GEZEN AK D., TÜRKDOĞAN D., Papaconstantinou A., Basoglu S., Hacıhafizoglu N., et al.  
ACTA NEUROLOGICA BELGICA, 2020 (Journal Indexed in SCI)
13. **Serum glial fibrillary acidic protein (GFAP)-antibody in idiopathic intracranial hypertension**  
Yetimler B., Tzartos J., Sengul B., DURSUN E., ULUKAN Ç., Karagiorgou K., GEZEN AK D., SEZGİN M., Papaconstantinou A., Tzartos S., et al.  
INTERNATIONAL JOURNAL OF NEUROSCIENCE, 2020 (Journal Indexed in SCI)
14. **The anti-inflammatory effects of anacardic acid on a tn $\alpha$ -induced human saphenous vein endothelial cell culture model**  
Onal B., Ozen D., Demir B., Ak D., DURSUN E., Demir C., Akkan A. G. , Ozyazgan S.  
Current Pharmaceutical Biotechnology, vol.21, no.8, pp.710-719, 2020 (Journal Indexed in SCI Expanded)
15. **Altered Transcriptional Profile of Mitochondrial DNA-Encoded OXPHOS Subunits, Mitochondria**

**Quality Control Genes, and Intracellular ATP Levels in Blood Samples of Patients with Parkinson's Disease.**

Gezen-Ak D., Alaylıođlu M., Genç G., Şengül B., Keskin E., Sordu P., Güleç Z., Apaydın H., Bayram-Gürel Ç., Ulutin T., et al.

Journal of Alzheimer's disease : JAD, vol.74, no.1, pp.287-307, 2020 (Journal Indexed in SCI Expanded)

16. **Amyloid Beta Adsorption Problem with Transfer Plates in Amyloid Beta 1-42 IVD Kits.**  
Dursun E., Alaylıođlu M., Bilgic B., Hanagasi H., Guervit H., Emre M., Gezen-Ak D.  
Journal of molecular neuroscience : MN, vol.67, no.4, pp.534-539, 2019 (Journal Indexed in SCI Expanded)
17. **Molecular basis of vitamin D action in neurodegeneration: the story of a team perspective**  
Gezen-Ak D., Dursun E.  
HORMONES-INTERNATIONAL JOURNAL OF ENDOCRINOLOGY AND METABOLISM, vol.18, no.1, pp.17-21, 2019 (Journal Indexed in SCI)
18. **Vitamin D basis of Alzheimer's disease: from genetics to biomarkers.**  
Dursun E., Gezen-Ak D.  
Hormones (Athens, Greece), vol.18, no.1, pp.7-15, 2019 (Journal Indexed in SCI Expanded)
19. **Amyloid Beta 1-42 Alters the Expression of miRNAs in Cortical Neurons.**  
Dursun E., CANDAS E., Yilmazer S., Gezen-Ak D.  
Journal of molecular neuroscience : MN, vol.67, no.2, pp.181-192, 2019 (Journal Indexed in SCI Expanded)
20. **G82S polymorphism of receptor for advanced glycation end products gene and serum soluble RAGE levels in mild cognitive impairment and dementia of Alzheimer's type patients in Turkish population.**  
ATAÇ Z., Alaylıođlu M., Dursun E., Gezen-Ak D., YILMAZER S., GÜR VIT H.  
Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia, vol.59, pp.197-201, 2019 (Journal Indexed in SCI Expanded)
21. **The Role of Astaxanthin on Transcriptional Regulation of NMDA Receptors Voltage Sensitive Calcium Channels and Calcium Binding Proteins in Primary Cortical Neurons.**  
ALTUNRENDE M., Gezen-Ak D., ATASOY İ., CANDAŞ E., Dursun E.  
Noro psikiyatri arsivi, vol.55, pp.295-300, 2018 (Journal Indexed in SCI)
22. **Intracranial hypertension related to cerebral venous thrombosis; and acute ischemic stroke with micro-infarcts associated with IgG4-related disease**  
Ekizoglu E., Coban O., Ulukan C., Ak D., Dursun E., Tuzun E., Baykan B.  
INTERNATIONAL JOURNAL OF NEUROSCIENCE, vol.128, no.11, pp.1097-1099, 2018 (Journal Indexed in SCI)
23. **LRP4 antibody positive amyotrophic lateral sclerosis patients display neuropil-reactive IgG and enhanced serum complement levels**  
Tuzun E., Gezen-Ak D., TZARTOS J., Dursun E., Giris M., ZISIMOPOULOU P., Karagiorgou K., Yetimler B., Kucukali C. I., Idrisoglu H. A.  
IMMUNOLOGY LETTERS, vol.203, pp.54-56, 2018 (Journal Indexed in SCI)
24. **Okadaic acid-induced tau hyperphosphorylation and the downregulation of Pin1 expression in primary cortical neurons.**  
Metin-Armagan D., Gezen-Ak D., Dursun E., Atasoy I. L., Karabay A., Yilmazer S., Ozturk M.  
Journal of chemical neuroanatomy, vol.92, pp.41-47, 2018 (Journal Indexed in SCI Expanded)
25. **The Transcriptional Regulatory Properties of Amyloid Beta 1-42 may Include Regulation of Genes Related to Neurodegeneration.**  
Gezen-Ak D., ATASOY İ., CANDAŞ E., Alaylıođlu M., Dursun E.  
Neuromolecular medicine, vol.20, pp.363-375, 2018 (Journal Indexed in SCI)
26. **Adiponectin and vitamin D-binding protein are independently associated at birth in both mothers and neonates.**  
Karras S. N., Polyzos S. A., NEWTON D. A., WAGNER C. L., HOLLIS B. W., VAN DEN OUWELAND J., Dursun E., Gezen-Ak D., Kotsa K., ANNWEILER C., et al.  
Endocrine, vol.59, no.1, pp.164-174, 2018 (Journal Indexed in SCI Expanded)
27. **Vitamin D receptor is present on the neuronal plasma membrane and is co-localized with amyloid precursor protein, ADAM10 or Nicastrin**

Dursun E., Gezen-Ak D.

PLOS ONE, vol.12, no.11, 2017 (Journal Indexed in SCI)

28. **Vitamin D Receptor Regulates Amyloid Beta 1-42 Production with Protein Disulfide Isomerase A3.**  
Gezen-Ak D., Atasoy I. L. , Candas E., Alaylioglu M., Yilmazer S., Dursun E.  
ACS chemical neuroscience, vol.8, no.10, pp.2335-2346, 2017 (Journal Indexed in SCI Expanded)
29. **Glial and neuronal antibodies in patients with idiopathic intracranial hypertension**  
Altioikka-Uzun G., Erdag E., Baykan B., Tzartos J., Gezen-Ak D., Samanci B., Dursun E., Zisimopoulou P., Karagiorgou K., Stergiou C., et al.  
NEUROLOGICAL SCIENCES, vol.38, no.10, pp.1817-1822, 2017 (Journal Indexed in SCI)
30. **GC and VDR SNPs and Vitamin D Levels in Parkinson's Disease: The Relevance to Clinical Features.**  
Gezen-Ak D., Alaylioglu M., GENC G., Gunduz A., Candas E., Bilgic B., Atasoy I. L. , Apaydin H., Kiziltan G., Gurvit H., et al.  
Neuromolecular medicine, vol.19, no.1, pp.24-40, 2017 (Journal Indexed in SCI Expanded)
31. **Both secreted and the cellular levels of BDNF attenuated due to tau hyperphosphorylation in primary cultures of cortical neurons.**  
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## Articles Published in Other Journals

1. **Glia derived neurotrophic factor: Its regulation by vitamin D and possible relation to neurodegeneration**  
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## Refereed Congress / Symposium Publications in Proceedings

1. **MATERNAL FOKL VDR POLYMORPHISM IS A DETERMINANT OF BOTH MATERNAL AND NEONATAL 25(OH)D STATUS AT BIRTH: A VALIDATION COHORT FROM NORTHERN GREECE**  
Karras S., Koufakis T., Goulis D., Annweiler C., Dursun E., Gezen-Ak D., Grammatiki M., Manthou E., Tsekmekidou X., Zebekakis P., et al.  
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2. **DETERMINANTS OF NEONATAL 25(OH)D STATUS IN A GREEK POPULATION COHORT**  
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3. **Novel anti-neuronal antibodies in idiopathic intracranial hypertension patients**  
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5. **OKA induced tau hyperphosphorylation decrease BDNF protein levels in primary cortical neuron cultures**  
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6. **Kültürdeki nöronlarda OKA ile indüklenen Tau hiperfosforilasyonunun BDNF proteini üzerindeki etkilerinin immünfloresan ve ELISA yöntemleriyle incelenmesi.**  
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14.Tıbbi Biyoloji ve Genetik Kongresi, Muğla, Turkey, 27 - 30 October 2015, vol.1, no.1, pp.1
7. **Clusterin polimorfizmleri ile geç başlangıçlı Alzheimer hastalığı arasındaki ilişki.**  
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14. Ulusal Tıbbi Biyoloji ve Genetik Kongresi, Muğla, Turkey, 27 - 30 October 2015, vol.1, no.1, pp.1
8. **Association Between Clusterin Polymorphisms and Alzheimer's Disease.**  
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9. **Compromised Regulation of Serum Cytokine Levels and BDNF Due to Low Levels of Vitamin D in Patients with Early or Late Onset Alzheimer's Disease or Parkinson's Disease.**

GEZEN AK D., BİLGİÇ B., HANAĞASI H. A. , ERTAN F. S. , LOHMANN E., ATASOY I. L. , Alaylıoğlu M., Araz Ö. S. , Önal B., GÜNDÜZ A., et al.

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10. **Vitamin D Dependent Regulation of Gamma Secretase Complex.**  
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11. **The effect of vitamin D treatment on GLIA derived neurotrophic factor in cortical neurons**  
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16th Annual Conference of the International-Society-for-Bipolar-Disorders, Seoul, South Korea, 18 - 21 March 2014, vol.16, pp.87-88
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15. **The effect of vitamin D receptor silencing on voltage sensitive calcium channel alpha 1 D in cortical neurons**  
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The 15th European Microscopy Congress,EMC 2012, United Kingdom
16. **The effect of beta amyloid treatment on glia derived neurotrophic factor in cortical neurons**  
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18. **Alzheimer Hastalığı ile İnterlökin-6 Promotör ve VNTR Polimorfizmleri Arasındaki İlişkinin Araştırılması**  
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19. **The effects of vitamin D receptor silencing on cabindin D28k expression in primary cortical neurons**  
YILMAZER S., GEZEN AK D., DURSUN E.  
10th Multinational Congress on Microscopy (MCM 2011), Italy, vol.LP38, pp.253-254
20. **A novel perspective for Alzheimer's disease: Vitamin D receptor suppression by amyloid-beta and preventing the amyloid-beta induced alterations of LVSCC-A1C, calbindin-D28k and iNOS expression and NGF release by vitamin D**  
DURSUN E., GEZEN AK D., YILMAZER S.  
Alzheimer's Association International Conference on Alzheimer's Disease (AAICAD 2011), France, 1 - 04 July 2011, vol.7, pp.122
21. **The effects of vitamin D on neurodegeneration**

YILMAZER S., DURSUN E., GEZEN AK D.

17th International Microscopy Congress (IMC17), Brazil, 1 - 04 September 2010

22. **The effects of Vitamin D on cerebral cortical neurons**

YILMAZER S., GEZEN AK D., DURSUN E.

19th International Congress of Nutrition, Thailand, 1 - 04 October 2009, vol.55, pp.513

23. **The effects of Vitamin D on cerebral cortical neurons. , Vol 55 Supplement 1, 2009 Page 513.**

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19th International Congress of Nutrition, Thailand, vol.55, no.1, pp.513

24. **The examination of the effects of Beta Amyloid on cultured primary cortical neurons**

YILMAZER S., DURSUN E., GEZEN AK D.

9. Multinational Congress on Microscopy 2009, Austria, 1 - 04 September 2009, pp.146

25. **The effects of beta amyloid treatment on VDR expression in primary cultured cortical neurons**

DURSUN E., GEZEN AK D., YILMAZER S.

International Conference on Alzheimer's Disease (ICAD 2009), Austria, 1 - 04 July 2009, vol.5, pp.490-491

26. **The effects of vitamin D on primary cortical and hippocampal neuron cultures**

GEZEN AK D., DURSUN E., YILMAZER S.

International Conference on Alzheimer's Disease (ICAD 2009), Austria, 1 - 04 July 2009, vol.5, pp.490

27. **SNPs at the ligand binding site of the vitamin D receptor gene and Alzheimer's disease.**

GEZEN AK D., DURSUN E., ERTAN T., HANAĞASI H. A. , Gürvit H., Emre M., Eker E., ÖZTÜRK M., Engin F., YILMAZER S.

10th International Conference on Alzheimer's Disease and Related Disorders,, Spain, vol.2, no.3, pp.195-0

28. **Vitamin D receptor, Presenilin 1 and interleukin 1 alpha gene SNPs and late-onset Alzheimer's disease**

DURSUN E., GEZEN AK D., UYSAL Ö., ERTAN T., BILGIÇ B., GÜRVI T İ. H. , Emre M., Eker E., Engin F., YILMAZER S.

10th International Conference on Alzheimer's Disease and Related Disorders, Spain, vol.2, pp.197

29. **Cathepsin D Gene C224-T Polymorphism in Alzheimer's Disease.**

DURSUN E., GEZEN AK D., ERENŞOY N., ÇİNE N., ERTAN T., BILGIÇ B., GÜRVI T H., Emre M., Eker E., Engin F., et al.

21st International Conference of Alzheimer's Disease International, Turkey, 1 - 04 October 2005, pp.51

30. **Polymorphisms at the Ligand Binding Sites of Vitamin D Receptor Gene and Alzheimer's Disease**

GEZEN AK D., DURSUN E., ERTAN T., HANAĞASI H. A. , Gürvit H., Emre M., Eker E., ÖZTÜRK M., Engin F., YILMAZER S.

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31. **Polymorphisms at the ligand-binding site of the vitamin D receptor gene and osteomalacia**

GEZEN AK D., KAHRAMAN H., DURSUN E., SÜSLEYİCİ DUMAN B., ERENŞOY N., ALAĞÖL M. F. , YILMAZER S.

European Human Genetics Conference 2005, Czech Republic, 1 - 04 May 2005, vol.13, no.1, pp.297

32. **Interleukin 1 Alpha Gene 5' Regulatory Region Polymorphism in Alzheimer's Disease.**

DURSUN E., GEZEN AK D., ERTAN T., BILGIÇ B., GÜRVI T H., Emre M., Eker E., Engin F., YILMAZER S.

European Human Genetics Conference 2005, Czech Republic, vol.13, no.1, pp.338

33. **Interleukin 1 alpha gene C(-889)T polymorphism in late-onset Alzheimer's disease**

Ak D., Dursun E., Ertan T., Bilgic B., Gurvit H., Emre M., Eker E., Engin F., Yilmazer S.

9th International Conference on Alzheimers Disease and Related Disorders, Pennsylvania, United States Of America, 17 - 22 July 2004, vol.25

34. **Presenilin-1 gene intronic polymorphism in late-onset Alzheimer's disease**

Dursun E., Gezen-Ak D., Eker E., Ertan T., Engin F., Hanagasi H., Gurvit H., Emre M., Yilmazer S.

9th International Conference on Alzheimers Disease and Related Disorders, Pennsylvania, United States Of America, 17 - 22 July 2004, vol.25

35. **Interleukin1? Gene C(-889)T Polymorphism in Late-onset**

GEZEN AK D., DURSUN E., ERTAN T., BILGIÇ B., GÜRVI T H., Emre M., Eker E., Engin F., YILMAZER S.

Alzheimer's Disease. 9th International Conference on Alzheimer's Disease and Related Disorders, Philadelphia USA, United States Of America, vol.25, pp.504

## Academic and Administrative Experience

### Memberships / Tasks in Scientific Organizations

Türk Elektron Mikroskopu Derneği, Member, 2012 - Continues  
International Federation for Societies of Histochemistry and Cytochemistry (IFSHC), Member, 2012 - Continues  
International Federation of Societies for Microscopy (IFSM), Member, 2012 - Continues  
European Microscopy Society (EMS), Member, 2012 - Continues  
International Society to Advanced Alzheimer Research and Treatment (ISTAART), Member, 2009 - Continues  
Federation of European Neuroscience Society (FENS), Member, 2007 - Continues  
Beyin Araştırmaları Derneği, Member, 2007 - Continues  
International Brain Research Organization (IBRO), Member, 2007 - Continues  
Tıbbi Biyoloji Derneği, Member, 2001 - Continues

### Scientific Refereeing

Neurology, SCI Journal, April 2013  
September 2012  
Journal of Geriatric Psychiatry and Neurology, SCI Journal, August 2012  
The Journal of Nutrition, Health and Aging, SCI Journal, December 2011  
Cognitive and Behavioral Neurology, SCI Journal, December 2011  
Nöropsikiyatri Arşivi – Archives of Neuropsychiatry, SCI Journal, August 2011  
May 2011

### Edit Congress and Symposium Activities

Scientific Workshop on Vitamin D: Vitamin D Experts Meeting Thessaloniki, Greece, 2018, Invited Speaker, Thessaloniki, Greece, 2018  
Vitamin D Workshop 2017 VITAMIN D, IN THE PREVENTION OF HEALTH DISPARITIES DURING ADULT LIFE, Invited Speaker, Thessaloniki, Greece, 2017  
1st International Task Force on VITAMIN D AND COGNITION IN OLDER ADULTS, Invited Speaker, United States Of America, 2013  
European Commission – Research & Innovation, European Month of the Brain 2013, Invited Speaker, İstanbul, Turkey, 2013  
Türk Elektron Mikroskopi Derneği, 2011-2012 Yılı Bilimsel Etkinlikleri, Invited Speaker, İstanbul, Turkey, 2011  
International Conference on Alzheimer's Disease (ICAD) 2011, Attendee, Paris, France, 2011  
10. Ulusal Sinirbilimleri Kongresi, Attendee, İstanbul, Turkey, 2011  
11. Ulusal Tıbbi Biyoloji ve Genetik Kongresi, Attendee, Bodrum, Turkey, 2009  
International Conference on Alzheimer's Disease (ICAD) 2009, Attendee, Viyana, Austria, 2009  
8. Ulusal Sinirbilimleri Kongresi, Attendee, Bolu, Turkey, 2009  
Programlı Hücre Ölümü Sempozyumu, Attendee, İstanbul, Turkey, 2008  
EMBO Young Scientists Forum 2008, Attendee, İstanbul, Turkey, 2008  
III. International Congress of Molecular Medicine, Attendee, İstanbul, Turkey, 2007  
10. Ulusal Tıbbi Biyoloji ve Genetik Kongresi, Attendee, Antalya, Turkey, 2007  
VI. Ulusal Sinirbilimleri Kongresi, Attendee, Karabük, Turkey, 2007  
10th International Conference on Alzheimer's Disease and Related Disorders 2006, Attendee, Madrid, Spain, 2006  
9. Ulusal Tıbbi Biyoloji Kongresi, Attendee, Manisa, Turkey, 2005

21st International Conference of Alzheimer's Disease International 2005, Attendee, İstanbul, Turkey, 2005  
European Human Genetics Conference 2005, Attendee, Prag, Czech Republic, 2005  
IV. Ulusal Sinirbilimleri Kongresi, Attendee, Mersin, Turkey, 2005  
8. Ulusal Tıbbi Biyoloji Kongresi, Attendee, Adana, Turkey, 2004  
9th International Conference on Alzheimer's Disease and Related Disorders 2004, Attendee, Philadelphia, United States Of America, 2004  
2nd International Symposium on Alzheimer's Disease and Related Disorders in the Middle East, 2003, Attendee, İstanbul, Turkey, 2003  
VI. Ulusal Histoloji ve Embriyoloji Kongresi, Attendee, İstanbul, Turkey, 2002  
Ulusal Tıbbi Biyoloji Kongresi, Attendee, Eskişehir, Turkey, 2001  
6. Ulusal Tıbbi Biyoloji Kongresi, Attendee, Denizli, Turkey, 2000

## Citations

Total Citations (WOS):1124

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## Research Areas

Medicine, Health Sciences, Fundamental Medical Sciences, Medical Biology, Life Sciences, Neurobiology, Natural Sciences