

# ERDEM TÜZÜN

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### International Researcher IDs

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## Learning Knowledge

|                                      |                                                                                                                 |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Post Doctorate<br>2021 - 2022        | University of Oxford, Neurology, England                                                                        |
| Post Doctorate<br>2006 - 2007        | University of Pennsylvania, Neurology, United States Of America                                                 |
| Post Doctorate<br>2001 - 2006        | University of Texas at Austin, University Of Texas Medical Branch, Galveston, Tx, Abd, United States Of America |
| Post Doctorate<br>2000 - 2001        | University of Oxford, Neurology, United Kingdom                                                                 |
| Expertise In Medicine<br>1995 - 2000 | Istanbul University, Istanbul Medical Faculty, Nöroloji, Turkey                                                 |
| Masters (Non-Thesis)<br>1991 - 1995  | Istanbul University, Istanbul Medical Faculty, Turkey                                                           |
| Undergraduate<br>1989 - 1991         | Istanbul University, Istanbul Medical Faculty, Turkey                                                           |

## Foreign Languages

English, C1 Advanced

## Dissertations

Expertise In Medicine, Diabetes mellitus olgularında subklinik polinöropati araştırmasında F takeodispersiyonun yeri, Istanbul University, Istanbul Medical Faculty, Nöroloji, 2000

## Academic Titles / Tasks

|                                    |                                                                                                 |
|------------------------------------|-------------------------------------------------------------------------------------------------|
| Professor<br>2015 - Continues      | Istanbul University, Aziz Sancar Institute of Experimental Medicine, Department of Neuroscience |
| Associate Professor<br>2011 - 2015 | Istanbul University, Aziz Sancar Institute of Experimental Medicine, Department of Neuroscience |

## Supported Projects

1. TÜZÜN E., TERZİ M., ÖZKARA Ç., BEBEK N., BAYKAL B., KÜÇÜKALİ C. İ., YILMAZ V., ERDAĞ E., KARAASLAN Z., AKBAYIR E., Project Supported by Higher Education Institutions, Antinöronal antikor ilişkili nörolojik hastalıklarda tanı ve tedaviyi yönlendiren kriterlerin geliştirilmesi, 2022 - Continues
2. KÜÇÜKALİ C. İ., SAADOUN D., GÜL A., DEMİRALP T., UYGUNOĞLU U., MAVRAL S. M., AKBAYIR E., SOYLU S., TÜZÜN E., YILMAZ V., et al., Project Supported by Higher Education Institutions, Behçet ve Nörobeçet Sendromunda Görülen Bilişsel Etkilenmenin Etyopatogenezinde Glial Aktivasyonun Epigenetik Düzenlenmesinin Rolü, 2022 - Continues
3. ESEN F., TÜZÜN E., YILMAZ V., ULUSOY C. A., ERGİN ÖZCAN P., ORHUN G., CANBAZ M., YEŞİLOVA O., Project Supported by Higher Education Institutions, Deneyisel sepsis modelinde intravenöz immunglobulin uygulamasının inflamasyon ve otofaji belirteçleri üzerine etkilerinin böbrek dokusunda değerlendirilmesi, 2022 - Continues
4. TÜZÜN E., AKBAYIR E., ULUSOY C. A., KÜÇÜKALİ C. İ., EKİZOĞLU TURGUT E., ERDAĞ E., Project Supported by Higher Education Institutions, İnme Olgularındaki Antinöronal Antikor Varlığının İncelenmesi, 2022 - Continues
5. TÜZÜN E., KÖK KENDİRLİOĞLU B., Project Supported by Higher Education Institutions, Bipolar Bozukluğu Olanlar ve Birinci Derece Yakınlarında Aksonal Dejenerasyonla İlgili Belirteçler Bilişsel İşlevler ve Ak Madde İlişkisi, 2022 - Continues
6. TOPALOĞLU P., ÇIRAK S., KİZEK Ö., KARAASLAN Z., KARACAN İ., TÜZÜN E., BAYKAL B., YAPICI Z., KÜÇÜKALİ C. İ., UĞUR İŞERİ S. A., et al., Project Supported by Higher Education Institutions, Sınıflandırılmayan ve nadir epileptik ensefalopati tanılı hastalarda tüm ekzom dizileme analizi, 2021 - Continues
7. UĞUR İŞERİ S. A., ŞİRİN İNAN N. G., BEBEK N., KARAASLAN Z., YILMAZ V., KÜÇÜKALİ C. İ., ABACI N., ŞANLI E., SALMAN S. B., TÜZÜN E., et al., Project Supported by Higher Education Institutions, Anti-nöronal Antikor İlişkili Otoimmün Epilepside B Hücre Ekspresyon Analizinin Biyobelirteç Potansiyelinin Araştırılmasında Transkriptomik Yaklaşımı, 2021 - Continues
8. ORHUN G., ESEN F., GÜRVİT İ. H., SENCER N. S., BEBEK N., TÜZÜN E., YILMAZ V., BAYRAM A., POLAT Ö., BİLGİÇ B., et al., Project Supported by Higher Education Institutions, COVID19dan Sağ Kalan Yoğun Bakım Hastalarında Uzun Dönem Kognitif Bozukluk Gelişiminin Değerlendirilmesi, 2021 - Continues
9. YAPICI OBUZ Z., EMEKLİ S., ÇIRAK S., TOPALOĞLU P., TÜZÜN E., KÜÇÜKALİ C. İ., YILMAZ V., KARAASLAN Z., DÖRTKOL Ş. O., SAVAŞ M., et al., Project Supported by Higher Education Institutions, Uykuda Elektriksel Status Epileptikus Hastalarının Klinik Özellikleri ve İmmünolojik ve Genetik Biyobelirteçlerin Araştırılması, 2021 - Continues
10. ŞİRİN İNAN N. G., YILMAZ V., TÜZÜN E., KOCASOY ORHAN E., BASLO M. B., Project Supported by Higher Education Institutions, GUİLLAİN BARRE SENDROMU ALT GRUPLARININ KENTİMİZDEKİ SIKLIĞININ BELİRLENMESİ AMACIYLA HASTALARIN ANTİGANGLİOZİD ANTİKOR DÜZEYLERİNİN DEĞERLENDİRİLMESİ VE TEKRARLANAN ELEKTROFİZYOLOJİK İNCELEMELER İLE TAKİBİ, 2020 - Continues
11. BİLGİÇ B., TÜZÜN E., TUBİTAK Project, Parkinson Hastalığı Hafif Kognitif Bozukluğu İçin Multimodal Manyetik Rezonans Görüntüleme Temelli Biyoışaretleme Belirlenmesi, 2015 - Continues

12. Tüzün E., Irani S., Project Supported by Public Organizations in Other Countries, The pathogenic impact of LGI1 and CASPR2 autoantibodies in autoimmune epilepsy, 2022 - 2024
13. TÜZÜN E., KÜÇÜKALİ C. İ., AKAT Ş., ÇARÇAK YILMAZ N., KARAAHMUTOĞLU T., ERDAĞ E., ONAT F., ULUSOY C. A., KARAASLAN Z., ÇIRAK S., et al., Project Supported by Higher Education Institutions, OTOİMMÜN ENSEFALİT ANTİKOR UYGULAMASI EPİLEPSİ NÖBETİNE YOL AÇAR MI HAYVAN MODELLERİ İLE ARAŞTIRILMASI, 2019 - 2023
14. YILMAZ V., GÜNGÖR TUNCER Ö., NALBANTOĞLU M., KÜÇÜKALİ C. İ., ŞANLI E., AYKUTLU E., ŞANLI E., TÜZÜN E., YÜCEER H., USLU F., et al., Project Supported by Higher Education Institutions, NONKONVÜLZİF STATUS EPİLEPTİKUSUN EŞLİK ETTİĞİ KOMA HASTALARINDA PROGNOZ VE TEDAVİYE CEVABI BELİRLEYEN BİYOLOJİK BELİRTEÇLERİN ARAŞTIRILMASI, 2019 - 2023
15. TÜZÜN E., ERSOY TUNALI N., SAĞIR F., Project Supported by Higher Education Institutions, Multipl Skleroz Hastalığında miRNAların Biyobelirteç Olarak Araştırılması, 2019 - 2023
16. TÜZÜN E., EU Framework Program Project, ALS'de tanıya yönelik biyobelirteçlerin optimizasyon ve harmonizasyonu, 2012 - 2016
17. TÜZÜN E., EU Framework Program Project, Alzheimer ve Parkinson hastalığında tanı yöntemlerinin validasyonu, 2012 - 2015
18. TÜZÜN E., EU Supported Other Project, MuSK-MG'de fizyopatolojik mekanizmalar, 2009 - 2012
19. Tüzün E., Other International Funding Programs, Effector roles of C1q, IL-6 and TNF- $\alpha$  in murine myasthenia gravis, 2004 - 2007
20. Tüzün E., Other International Funding Programs, Role of the classical complement pathway in experimental autoimmune myasthenia gravis, 2002 - 2004
21. Tüzün E., Other International Funding Programs, Involvement of antibodies to ion channels in central nervous system disorders, 2000 - 2000

## Awards

1. Karaaslan Z., Şengül Yediel B., Şanlı E., Yüceer H., Dursun E., Gezen Ak D., Timirci Kahraman Ö., Baykal A. T., Akgül E., Gündüz T., et al., Sözel Bildiri Birincilik Ödülü, Türk Nöroloji Derneği, November 2022
2. Akat Pişkin Ş., Yüceer H., Ulusoy C. A., Küçükali C. İ., Onat F., Tüzün E., Çarçak Yılmaz N., Poster Presentation Award, International League Against Epilepsy (Ilae), July 2022
3. Yüceer H., Akat Pişkin Ş., Ulusoy C. A., Çırak S., Karaaslan Z., Çarçak Yılmaz N., Küçükali C. İ., Onat F., Tüzün E., Oral Presentation First Prize, Türk Epilepsi İle Savaş Derneği, May 2022
4. Yüceer H., Küçükali C. İ., Tüzün E., Bilgiç B., Ergen H. A., Hanağası H. A., Poster First Prize, Türk Biyokimya Derneği, December 2020
5. Yüceer H., Küçükali C. İ., Yılmaz V., Gezen Ak D., Dursun E., Benbir Şenel G., Akpınar G., Kasap M., Karadeniz D., Tüzün E., First Place Oral Presentation Award, Türk Nöroloji Derneği, November 2019
6. Tüzün E., 30th ECNP Congress of Applied and Translational Neuroscience CDE Grant, Ecnp Congress, November 2017
7. Tüzün E., İstanbul Üniversitesi Başarılı Araştırmacı Ödülü, İstanbul Üniversitesi, September 2015
8. Tüzün E., Türk Nöropsikiyatri Derneği Bilimsel Araştırma Ödülü, Türk Nöropsikiyatri Derneği, September 2010
9. Tüzün E., James W. McLaughlin Postdoctoral Award for Excellence in Research on Infection and Immunity, Utmb Galveston, June 2004
10. Tüzün E., Beyin Araştırmaları Derneği Proje Birincilik Ödülü, Beyin Araştırmaları Derneği, April 1999

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

1. **Patients with restless legs syndrome exhibit reduced serum colony-stimulating factor-1, humanin-like 3 and 10 levels.**  
Gülçiçek A., Şanlı E., Şenel G. B., Karadeniz D., Timirci-Kahraman Ö., Küçükali C. İ., Tüzün E.  
Acta neurologica Belgica, 2024 (SCI-Expanded)

2. **Autoimmune Encephalitis with Antibodies Against A-Amino-3hydroxy-5-Methyl-4-Isoxazolepropionic Acid Receptor and  $\gamma$ -Aminobutyric Acid-Beta Receptor: Case Report**  
Doğan F. U., Samancı B., YILMAZ V., Hanağasi H. A., Gürvit İ. H., TÜZÜN E., BİLGİÇ B.  
Noropsikiyatri Arsivi, vol.61, no.1, pp.94-96, 2024 (SCI-Expanded)
3. **Electrodiagnostic methods to verify Guillain-Barré syndrome subtypes in Istanbul: A prospective multicenter study**  
Tasdemir V., Sirin N. G., Cakar A., Culha A., Soysal A., Elmali A. D., Gunduz A., Arslan B., Yalcin D., Atakli D., et al.  
JOURNAL OF THE PERIPHERAL NERVOUS SYSTEM, vol.29, no.1, pp.72-81, 2024 (SCI-Expanded)
4. **Glycine Receptor  $\beta$ -Targeting Autoantibodies Contribute to the Pathology of Autoimmune Diseases.**  
Wiessler A., Talucci I., Piro I., Seefried S., Hörlin V., Baykan B. B., Tüzün E., Schaefer N., Maric H. M., Sommer C., et al.  
Neurology(R) neuroimmunology & neuroinflammation, vol.11, no.2, 2024 (SCI-Expanded)
5. **Peripheral blood regulatory B and T cells are decreased in patients with focal epilepsy**  
ŞANLI E., ŞİRİN İNAN N. G., KÜÇÜKALİ C. İ., Baykan B., ULUSOY C. A., BEBEK N., YILMAZ V., TÜZÜN E.  
JOURNAL OF NEUROIMMUNOLOGY, vol.387, 2024 (SCI-Expanded)
6. **Seronegative NMOSD patients display distinctive peripheral blood T-cell subset frequencies**  
Sanli E., Karaaslan Z., Yilmaz V., Gunduz T., Kurtuncu M., Turkoglu R., Kucukali C. İ., Tuzun E.  
CLINICAL AND EXPERIMENTAL IMMUNOLOGY, 2024 (SCI-Expanded)
7. **Disease activity in chronic inflammatory demyelinating polyneuropathy: association between circulating B-cell subsets, cytokine levels, and clinical outcomes.**  
Ozdog Acarli A. N., Tuzun E., Sanli E., Koral G., Akbayir E., Cakar A., Sirin N. G., Soysal A., Aysal F., Durmus H., et al.  
Clinical and experimental immunology, vol.215, no.1, pp.65-78, 2024 (SCI-Expanded)
8. **Kelch-like Protein 11 (KLHL11) Antibodies in Children With Seizures of Undetermined Cause.**  
Tzartos J., Pechlivanidou M., Bosveli D., Ninou E., Yuceer H., Yalcin B., Kucukali C. İ., Tuzun E., Tzartos S., Turkdogan D.  
In vivo (Athens, Greece), vol.38, no.1, pp.351-357, 2024 (SCI-Expanded)
9. **Cerebellar antibodies in post-stroke sera of acute ischemic stroke patients**  
Atmaca M. M., Erdağ E., Demir S., Yuceer H., Çolak Atmaca M., Küçükali C. İ., Kürtüncü M., Tüzün E.  
IDEGGYOGYASZATI SZEMLE, vol.76, no.11-12, pp.394-398, 2023 (SCI-Expanded)
10. **Silencing of FCRLB by shRNA ameliorates MuSK-induced EAMG in mice**  
Koral G., Ulusoy C., Cossins J., Lazaridis K., Türkoğlu R., Dong Y. Y., Tüzün E., Yılmaz V.  
JOURNAL OF NEUROIMMUNOLOGY, vol.383, 2023 (SCI-Expanded)
11. **Chloride intracellular channel protein-1 (CLIC1) antibody in multiple sclerosis patients with predominant optic nerve and spinal cord involvement**  
KARAASLAN Z., Şengül-Yediel B., Yuceer-Korkmaz H., ŞANLI E., GEZEN AK D., DURSUN E., TİMİRCİ KAHRAMAN Ö., BAYKAL A. T., YILMAZ V., Türkoğlu R., et al.  
MULTIPLE SCLEROSIS AND RELATED DISORDERS, vol.78, 2023 (SCI-Expanded)
12. **Distribution of peripheral blood mononuclear cell subtypes in patients with West syndrome: Impact of synacthen treatment**  
Soylu S., Cherkezade M., Akbayir E., Korkmaz H., Koral G., Şanlı E., Topaloğlu P., Yılmaz V., Tüzün E., Küçükali C. İ.  
IMMUNOLOGY LETTERS, vol.261, pp.17-24, 2023 (SCI-Expanded)
13. **Potential Role of Antibodies against Aquaporin-1 in Patients with Central Nervous System Demyelination**  
Pechlivanidou M., Xenou K., Tzanetakos D., Koutsos E., Stergiou C., Andreadou E., Voumvourakis K., Giannopoulos S., Kilidireas C., TÜZÜN E., et al.  
INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, vol.24, no.16, 2023 (SCI-Expanded)
14. **Demyelinating Inflammatory Disorders of the Central Nervous System in the Era of COVID-19: Cases with Mild Infectious Symptoms**  
Özkan Yaşargün D., Türkoğlu R., Tüzün E.  
NOROPSIKIYATRI ARSIVI, vol.60, no.3, pp.191-193, 2023 (SCI-Expanded)
15. **Autoimmune Mechanisms in Focal Epilepsy of Unknown Cause**  
ŞANLI E., YILMAZ V., TÜZÜN E.

NEUROLOGICAL SCIENCES AND NEUROPHYSIOLOGY, vol.40, no.3, pp.113-121, 2023 (SCI-Expanded)

16. **Serum IgG of patients with relapsing inflammatory optic neuropathy immunoreacts with Sox2-positive glial cells of the optic nerve**

Erdağ E., Emekli A. S., Gündüz T., Küçükali C. İ., Kürtüncü M., Tüzün E.

MULTIPLE SCLEROSIS AND RELATED DISORDERS, vol.73, 2023 (SCI-Expanded)

17. **Perivascular PDGFRB+ cells accompany lesion formation and clinical evolution differentially in two different EAE models**

Şekerdağ Kılıç E., Ulusoy C. A., Atak D., Özkan E., Gökyüzü A. B., Seyaj S., Deniz G., Uçar E. A., Salih Budan A., Zeybel M., et al.

MULTIPLE SCLEROSIS AND RELATED DISORDERS, vol.69, no.1, pp.104428, 2023 (SCI-Expanded)

18. **Ocrelizumab Treatment Modulates B-Cell Regulating Factors in Multiple Sclerosis**

Ho S., Oswald E., Wong H. K., Vural A., Yılmaz V., Tüzün E., Türkoğlu R., Straub T., Meinl I., Thaler F., et al.

NEUROLOGY-NEUROIMMUNOLOGY & NEUROINFLAMMATION, vol.10, no.2, 2023 (SCI-Expanded)

19. **The Effect of Lidocaine on the Experimental Model of Streptozotocin-Induced Alzheimer's Disease.**

Tamam Y., Yokuş B., Tamam C., Yüceer H., Karahan S., Em B., Tamam Ş. B., Tüzün E.

Noro psikiyatri arsivi, vol.60, no.1, pp.68-72, 2023 (SCI-Expanded)

20. **Glycine receptor autoantibody binding to the extracellular domain is independent from receptor glycosylation.**

Rauschenberger V., Piro I., Kasaragod V. B., Hörlin V., Eckes A., Kluck C. J., Schindelin H., Meinck H., Wickel J., Geis C., et al.

Frontiers in molecular neuroscience, vol.16, pp.1089101, 2023 (SCI-Expanded)

21. **Elevated sTREM2 and NFL levels in patients with sepsis associated encephalopathy**

ORHUN G., ESEN F., YILMAZ V., Ulusoy C., ŞANLI E., Yildirim E., GÜRVİT İ. H., ERGİN ÖZCAN P., Sencer S., BEBEK N., et al.

INTERNATIONAL JOURNAL OF NEUROSCIENCE, vol.133, no.3, pp.327-333, 2023 (SCI-Expanded)

22. **Increased neuropil antibody prevalence in COVID-19 patients with acute ischemic stroke**

Baştan B., ERDAĞ TURGEON E., ŞANLI E., Bayar M. D., Şişman A. B., Atacan Yaşgüçlülük M., KÜÇÜKALİ C. İ., TÜZÜN E., Günaydın S.

Neurological Research, vol.45, no.11, pp.988-993, 2023 (SCI-Expanded)

23. **Antibody induced seizure susceptibility and impaired cognitive performance in a passive transfer rat model of autoimmune encephalitis**

Pişkin Ş. A., Korkmaz H., Ulusoy C. A., Şanlı E., Küçükali C. İ., Onat F., Tüzün E., Çarçak N.

FRONTIERS IN IMMUNOLOGY, vol.14, 2023 (SCI-Expanded)

24. **Neuropsychiatry in the Century of Neuroscience**

Marangozoğlu Samancı B., Yildizhan E., Tüzün E.

NOROPSIKIYATRI ARSIVI-ARCHIVES OF NEUROPSYCHIATRY, vol.59, pp.1-2, 2022 (SCI-Expanded)

25. **Serum 3-phenyllactic acid level is reduced in benign multiple sclerosis and is associated with effector B cell ratios**

Oezguen N., Yılmaz V., Horvath T. D., Akbayir E., Haidacher S. J., Hoch K. M., Thapa S., Palacio J., Türkoğlu R., Kürtüncü M., et al.

MULTIPLE SCLEROSIS AND RELATED DISORDERS, vol.68, 2022 (SCI-Expanded)

26. **The modulatory action of C-Vx substance on the immune system in COVID-19**

Tahrallı I., Akdeniz N., Yılmaz V., Kucuksezer U. C., Oktelik F. B., Ozdemir O., Cetin-Aktas E., Ogutmen Y., Ergen A., Abaci N., et al.

EMERGING MICROBES & INFECTIONS, vol.11, no.1, pp.2698-2710, 2022 (SCI-Expanded)

27. **Permanent Impairment of Language Functions in an Adolescent Case of Autoimmune Encephalitis  
Adölesan Bir Otoimmün Ensefalit Vakasında Kalıcı Dil Fonksiyon Bozukluğu**

ŞANLI E., Savaş M., Öztürk G., Findik O. T. P., Başoğlu S., Akbeyaz H., TÜZÜN E., TÜRKDOĞAN D.

Noropsikiyatri Arsivi, vol.59, no.4, pp.338-341, 2022 (SCI-Expanded)

28. **Assessment of myelin oligodendrocyte glycoprotein antibodies and magnetic resonance spectroscopy in childhood-onset systemic lupus erythematosus**

- Kılıç H., Şahin S., Toprak M. F., Hatay G. H., Yılmaz K., Adrovic A., Barut K., Ozturk Isik E., Tüzün E., Kızılkılıç O., et al. CLINICAL AND EXPERIMENTAL RHEUMATOLOGY, vol.1, no.1, pp.1-2, 2022 (SCI-Expanded)
29. **Reduced expression of inflammasome complex components in cluster headache.**  
Şahin E., Karaaslan Z., Şanlı E., Timirci Kahraman Ö., Ulusoy C., Kocasoy Orhan E., Ekizoğlu E., Küçükali C. İ., Tüzün E., Baykan B.  
Headache, vol.62, no.8, pp.967-976, 2022 (SCI-Expanded)
  30. **Classical complement pathway factor alterations in narcolepsy.**  
Yüceer H., Gezen Ak D., Benbir Şenel G., Dursun E., Yılmaz V., Karadeniz D., Tuzun E., Kucukali C. İ.  
Acta neuropsychiatrica, vol.34, no.4, pp.212-219, 2022 (SCI-Expanded)
  31. **Immune modulation as a consequence of SARS-CoV-2 infection**  
Gelmez M. Y., Öktelek F. B., Tahralı İ., Yılmaz V., Küçüksezer U. C., Akdeniz N., Çetin E., Köse M., Çınar Ç., Oğuz F., et al.  
FRONTIERS IN IMMUNOLOGY, vol.13, 2022 (SCI-Expanded)
  32. **Do the neurologists recognize autoimmune epilepsy well enough? What is the effect of the pandemic on this matter?**  
Yavuz E. N. V., Altındag E., Tuzun E., Baykan B.  
NEUROLOGICAL SCIENCES, vol.43, no.8, pp.5029-5037, 2022 (SCI-Expanded)
  33. **Blood-brain barrier targeted delivery of lacosamide-conjugated gold nanoparticles: Improving outcomes in absence seizures**  
Temizyürek A., Uğur Yılmaz C., Emik S., Akcan U., Atış M., Orhan N., Arican N., Ahishali B., Tüzün E., Küçük M., et al.  
EPILEPSY RESEARCH, vol.184, pp.106939, 2022 (SCI-Expanded)
  34. **Cutaneous allodynia and thermal thresholds in chronic migraine: The effect of onabotulinumtoxinA**  
Ozarslan M., Matur Z., Tüzün E., Öge A. E.  
CLINICAL NEUROLOGY AND NEUROSURGERY, vol.220, pp.107357, 2022 (SCI-Expanded)
  35. **Kv5.1 antibody in epilepsy patients with unknown etiology**  
KÜÇÜKALİ C. İ., Sengul B., Gezen-Ak D., Dursun E., ERDAĞ E., AKPINAR G., KASAP M., KARAASLAN Z., Sirin N. G., Tekturk P., et al.  
EPILEPSY RESEARCH, vol.182, 2022 (SCI-Expanded)
  36. **Posterior Reversible Encephalopathy in Sepsis-Associated Encephalopathy: Experience from a Single Center.**  
Orhun G., Sencer S., Tüzün E., Bebek N., Ergin Özcan P., Barburoğlu M., Günver M. G., Esen F.  
Neurocritical care, vol.36, pp.372-386, 2022 (SCI-Expanded)
  37. **IgG4 Autoantibodies in Organ-Specific Autoimmunopathies: Reviewing Class Switching, Antibody-Producing Cells, and Specific Immunotherapies.**  
Koneczny I., Tzartos J., Mané-Damas M., Yılmaz V., Huijbers M. G., Lazaridis K., Höftberger R., Tüzün E., Martinez-Martinez P., Tzartos S., et al.  
Frontiers in immunology, vol.13, no.13, pp.834342, 2022 (SCI-Expanded)
  38. **CXCL13 Levels Indicate Treatment Responsiveness to Fingolimod in MS Patients**  
KARAASLAN Z., KÜRTÜNCÜ M., Akcay H. I., GÜNDÜZ T., Altunrende B., Turkoglu R., ERAKSOY M., ULUSOY C. A., YILMAZ V., TÜZÜN E.  
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281. **F wave parameters and F tacheodispersion in mild diabetic neuropathy**  
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282. **Lafora body-like inclusions in a case of progressive myoclonic ataxia associated with coeliac disease**  
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283. **Out cold**  
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284. **Longterm follow-up of electroencephalographic and clinical findings of a case with Gaucher's disease type 3a**  
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285. **Possible role of gangliosides in salivary gland complications of diabetes**  
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286. **Intracavernosal endothelin levels of impotent men before and after papaverine induced penile erection**  
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287. **Anterior choroidal artery territory infarction: A case report and review**  
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288. **Serum sialic acid levels are not altered in streptozotocin (STZ) induced diabetic rats**  
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289. **Impotence due to reduced central nitric oxide synthase activity in hypogonadal males**  
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## Articles Published in Other Journals

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Northern Clinics of Istanbul, vol.10, no.3, pp.341-344, 2023 (ESCI)
2. **Leucine-Rich Glioma-Inactivated Protein 1 Antibody-Positive Polyradiculopathy Associated with Epstein-Barr Virus Infection**

- Uzunlimalıoğlu B. P., Sağlam A., Şişman B., Günaydın S., Uzuner E. G., Aysal F., Tüzün E., Baştan B.  
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3. **A Case of HaNDL with Low Cerebrospinal Fluid Level of Neurofilament Light Chain**  
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  4. **Determination of Paraneoplastic neuropathy in newly diagnosed breast tumor patients**  
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  5. **Aquaporin-4 Gene Polymorphisms in Neuromyelitis Optica and Recurrent Optic Neuritis**  
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  6. **[Episodes with goose bumps caused by anti-LGI-1 encephalitis].**  
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  7. **Insomnia and Dysautonomia with Contactin-Associated Protein 2 and Leucine-Rich Glioma Inactivated Protein 1 Antibodies: A "Forme Fruste" of Morvan Syndrome?**  
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  8. **Neuroprotective effects of intravenous immunoglobulin are mediated through inhibition of complement activation and apoptosis in a rat model of sepsis.**  
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  9. **A Case of Seronegative Limbic Encephalitis with Multiple Sclerosis: A Possible Overlapping Syndrome**  
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  10. **Epilepsy and Autoimmunity: Basic Physiopathological Mechanisms**  
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EPILEPSI, vol.22, pp.1-6, 2016 (ESCI)
  11. **Anti-Neuronal Autoantibodies Associated with Epilepsy and Related Neurological Syndromes**  
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EPILEPSI, vol.22, pp.7-13, 2016 (ESCI)
  12. **Voltage-Gated Potassium Channel Antibodies is a Sign of Limbic Encephalitis**  
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  13. **Epilepsy and Autoimmunity**  
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  14. **Antinuclear antibodies in juvenile myoclonic epilepsy**  
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## Books & Book Chapters

1. **Neuroscience for neurologists**  
Yemişçi Özkan M. (Editor), Karataş Kurşun H. (Editor), Küçükali C. İ. (Editor), Tüzün E. (Editor), Baştan B. (Editor)  
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2. **Channels and transporters**  
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3. **Synaptic transmission**

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4. **Neuroinflammation in the central nervous system**

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5. **Epilepsi ve status epileptikusta inflamatuvar mekanizmalar, biyobelirteçler ve tedavi yaklaşımları**

Tüzün E.

in: Epilepsi ve Farmakoterapisi Klinik ve Nörobiyolojik Yaklaşım, Dervent A,Yılmaz Onat Faltındag E, Editor, Nobel Tıp Kitabevi, İstanbul, pp.1-15, 2022

6. **Neuro-Behçet's Disease**

Tüzün E. (Editor), Kürtüncü M. (Editor)

Springer, London/Berlin , London, 2021

7. **Neuro-oncology**

Tüzün E., Hanağası F., Sabancı P. A., Akman-Demir G., Yazıcı J.

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8. **Multipl skleroz etiyolojisi**

Tüzün E.

in: Multipl Skleroz, Yeşim Beckmann,Cihat Uzunköprü, Editor, Ema Tıp Kitabevi, İstanbul, pp.15-24, 2021

9. **Animal Models of Behçet's Disease**

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in: Neuro-Behçet's Disease, Erdem Tüzün,Murat Kürtüncü, Editor, Springer-Verlag , London, pp.41-48, 2021

10. **Neuro-Behçet's Disease: Epidemiology and Genetics**

Yüceer H., Tüzün E.

in: Neuro-Behçet's Disease, Erdem Tüzün,Murat Kürtüncü, Editor, Springer-Verlag , London, pp.1-16, 2021

11. **İnfeksiyöz ve inflamatuvar epilepsiler**

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in: Epilepsi, Bora İbrahim H, Yeni S Naz, Gürses Candan, Editor, Nobel Yayın Dağıtım, İstanbul, pp.183-222, 2018

12. **Nanotechnology-based management of neurological autoimmune diseases**

TÜZÜN E.

in: Nanotechnology Methods for Neurological Diseases and Brain Tumors: Drug Delivery across the Blood–Brain Barrier, Gürsoy-Özdemir Y, Pehlivan SB, Şekerdağ E, Editor, Elsevier Science, Oxford/Amsterdam , Londra, pp.279-290, 2017

13. **Santral sinir sisteminin nörolojik hastalıkları**

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14. **Paraneoplastik nörolojik sendromlar**

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in: Temel ve Klinik Nöroimmünoloji, Karabudak R, Editor, Ada Yayıncılık, İstanbul, pp.521-536, 2013

15. **Limbik ensefalit**

TÜZÜN E.

in: Temel ve Klinik Nöroimmünoloji, Karabudak R, Editor, Ada Yayıncılık, İstanbul, pp.511-519, 2013

16. **Miyastenia gravis modeli**

TÜZÜN E., ULUSOY C. A.

in: Temel ve Klinik Nöroimmünoloji, Karabudak R, Editor, Ada Yayıncılık, İstanbul, pp.165-173, 2013

17. **Paraneoplastik Nörolojik Sendromlar**

TÜZÜN E.

in: Temel Nöroloji, Emre M, Editor, Güneş Yayınları, İstanbul, pp.1145-1151, 2011

18. **Kanser hastasının nörolojik sorunları**

ERKOL G., TÜZÜN E., SİVA A.

in: Kanser Hastasına Yaklaşım, Molinas Mandel M, Onat H, Editor, Nobel Yayın Dağıtım, İstanbul, pp.275-301, 2011

19. **İmmünolojik Mekanizmalı Nörolojik Hastalıklar**

Şahin H., TÜZÜN E.

in: Temel Nöroloji, Emre M, Editor, Güneş Yayınları, İstanbul, pp.997-1001, 2011

20. **Targeting classical complement pathway and IL-6 in experimental autoimmune myasthenia gravis.**

TÜZÜN E., Christadoss P.

in: Myasthenia Gravis Disease Mechanisms and Immune Intervention, Christadoss P, Editor, Linus Publications, New York, pp.327-351, 2010

21. **Pathogenic mechanisms in myasthenia gravis**

TÜZÜN E., Vincent A.

in: Myasthenia Gravis Disease Mechanisms and Immune Intervention, Christadoss P, Editor, Linus Publications, New York, pp.23-39, 2010

22. **Neuromuscular Junction Disorders**

TÜZÜN E., Vincent A.

in: Master in Neuroimmunology, Montalban XG, Sastre-Garriga J, Editor, Viguera Editores S.L., Barcelona, pp.275-325, 2009

23. **Nöroonkoloji**

TÜZÜN E., Akman-Demir G., Yazıcı J.

in: Nöroloji Ders Kitabı, Öge AE, Baykan B, Editor, -, İstanbul, pp.577-593, 2009

24. **Complement associated pathogenic mechanisms in myasthenia gravis**

TÜZÜN E., Christadoss P.

in: Neuroimmunology Research Perspectives, Johansson LM, Editor, Nova Science Publishers, New York, pp.103-129, 2007

## Academic and Administrative Experience

|                  |                                                                               |                                                                                                    |
|------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| 2021 - Continues | <b>Neuro-oncology Board</b>                                                   | EAN - European Academy of Neurology, Scientific Boards                                             |
| 2019 - 2022      | <b>Uluslararası İşbirliği<br/>Projeleri Araştırma<br/>Destek Grubu (UPAG)</b> | The Scientific and Technological Research Council of Turkey                                        |
| 2012 - 2022      | <b>Head of Department</b>                                                     | Istanbul University, Aziz Sancar Institute of Experimental Medicine,<br>Department of Neuroscience |

## Advising Theses

Tüzün E., Multipl sklerozda periferik regülatör hücre fonksiyonlarının hastalık patogenezi ile ilişkisinin değerlendirilmesi, Doctorate, E.AKBAYIR(Student), 2024

Tüzün E., Multipl skleroz hastalığında miRNA'ların biyobelirteç olarak araştırılması, Doctorate, F.SAĞIR(Student), 2023

Tüzün E., Dijital manipülasyonun yutmadaki etkinliği, Doctorate, G.KÖPRÜCÜ(Student), 2023

Tüzün E., KİS'TEN RRMS'YE DÖNÜŞEN OLGULARDA B HÜCRE SPESİFİK GEN EKSPRESYON DÜZEYLERİNİN BELİRLENMESİ, Postgraduate, İ.ERDEM(Student), 2020

Tüzün E., Nörodejeneratif hastalıklarda hücre senesans mekanizmasının rolü, Doctorate, Y.MERİÇ(Student), 2020

Tüzün E., Multiple skleroz patofizyolojisinde perisitlerin rolü, Doctorate, C.AYSEL(Student), 2019

Tüzün E., İdiyopatik intrakraniyal hipertansiyon (İİH) hastalığında antinöronal membran antikorlarının araştırılması, Doctorate, B.YETİMLER(Student), 2019

Tüzün E., MS hastalarının bellek protein ekspresyon düzeylerinin kognitif rehabilitasyona bağlı değişimlerinin incelenmesi, Postgraduate, E.AKBAYIR(Student), 2019

Tüzün E., Rolandik epilepsi olgularında dil bozuklukları ile anti nöronal antikor ilişkisinin incelenmesi, Doctorate, M.SAVAŞ(Student), 2019

Tüzün E., Benign MS hastalarının B hücre immünofenotiplenmesi ve B hücrelerine özgü moleküllerin ekspresyon analizi, Postgraduate, M.ŞEN(Student), 2019

Tüzün E., Glisin reseptör antikor pozitif kriptojenik fokal epilepside periferik kan hücrelerinin immünofenotiplendirilmesi ve antijenik yanıtlarının araştırılması, Postgraduate, E.ŞANLI(Student), 2019

Tüzün E., Genetik absans epilepsi modeli WAG/Rij sıçanlarda nanopartikül bağlı antiepileptik ilacın kan-beyin bariyeri dinamikleri ve antiepileptojenik etkileri, Doctorate, A.TEMİZYÜREK(Student), 2019

Tüzün E., Parkinson hastalığında görülen kognitif bozulmanın nörobiyolojik mekanizmalarının genetik ve nörogörüntüleme yaklaşımlarıyla incelenmesi, Doctorate, A.KIÇIK(Student), 2018

TÜZÜN E., Nöro-Behçet Olgularının Serum İmmünoglobulin Örneklerinin Nöronal Sağkalım Üzerine Etkileri, Doctorate, E.Erdağ(Student), 2017

Tüzün E., Paraneoplastik nörolojik sendromlu kanser olgularında anti-nöronal antikorların prognostik değeri, Postgraduate, Ç.AYDIN(Student), 2017

Tüzün E., İyon kanalı antikorlarının nöronal membran protein ekspresyonu ve sağkalım üzerine etkileri, Doctorate, N.ALTUNCU(Student), 2017

TÜZÜN E., MUSK-REAKTİF LENFOSİTLERİN DENEYSEL OTOİMMÜN MİYASTENİA GRAVİS MODELİNDE KARAKTERİZASYONU VE BİYOBELİRTEÇ OLARAK DEĞERLERİNİN ARAŞTIRILMASI, Postgraduate, M.Küçüklerden(Student), 2016

Tüzün E., Bipolar hastalarda nöroinflamasyon ve nöronal yıkım belirteçlerinin farklı hastalık alt gruplarında karşılaştırılmalı incelenmesi, Postgraduate, U.AKCAN(Student), 2016

Tüzün E., P2 purinerjik reseptörlerinin nöronal sağkalım sürecindeki değişimleri, Postgraduate, A.ÖRÇEN(Student), 2016

Tüzün E., Parkinson hastalığı ve akciğer kanserinde dj-1 ve αfa-sinüklein'in ortak PI3K/AKT yolu üzerindeki etkilerinin karşılaştırılması, Postgraduate, N.YALÇINKAYA(Student), 2015

Tüzün E., Parkinson hastalığı'nın hayvan modelinde PI3K/Akt yolu ile mitokondriyal, oksidatif ve apoptotik parametrelerin ilişkisi, Postgraduate, H.HAYTURAL(Student), 2014

Tüzün E., Deneysel otoimmün MuSK miyastenia graviste sitokinlerin rolü, Postgraduate, C.AYSEL(Student), 2013

## Patent

Karakaş N., Topçu O., Tüzün E., Timirci Kahraman Ö., Aras Y., Sabancı P. A., Methods using anti-slc3a2 autoantibodies and slc3a2 for detection of glioma brain tumor from patient serum, Patent, CHAPTER A Human Needs, The Invention Recourse Number: US20240060979A1 , Standard Registration, 2024

Tüzün E., Sabancı P. A., Timirci Kahraman Ö., Aras Y., Topçu O., Karakaş N., GLİOMA BEYİN TÜMÖRÜNÜN HASTA SERUMLARINDAN TESPİTİNE YÖNELİK ANTİ-SLC3A2 OTOANTİKORLARININ VE SLC3A2'NİN KULLANILDIĞI YÖNTEMLER, Patent, CHAPTER A Human Needs, The Invention Registration Number: 2020/21768 , Standard Registration, 2022

TÜZÜN E., Methods and materials for treating autoimmune and/or complement mediated diseases and conditions, Patent, CHAPTER B Implementation of Operations; Transport, 2013

TÜZÜN E., Methods and materials for treating autoimmune diseases and conditions, Patent, CHAPTER B Implementation of Operations; Transport, 2011

## Activities in Scientific Journals

FRONTIERS IN IMMUNOLOGY, Publication Committee Member, 2021 - Continues

Nöropsikiyatri Arşivi, Editor, 2015 - Continues

First Editor, 2011 - 2020

## Memberships / Tasks in Scientific Organizations

European Academy of Neurology (EAN), Member, 2021 - Continues, Austria

New York Academy of Sciences, Member, 2020 - Continues, United States Of America

Nöroimmünoloji Derneği, Board Member, 2001 - Continues

Nöropsikiyatri Derneği, Member, 2001 - Continues

Ulusal Nöroloji Derneği, Member, 2000 - Continues

## Scientific Research / Working Group Memberships

Nöroonkoloji Çalışma Grubu - Neuro-Oncology Board, EAN (European Academy of Neurology), Austria,

<https://www.ean.org/home/organisation/scientific-panels/neuro-oncology>, 2021 - Continues

Translasyonel Nörobilim - Translational Neuroscience, Istanbul University, Turkey,

<https://www.noroloji.org.tr/altbirim/34/translasyonel-norobilim/kosullar/>, 2019 - Continues

Nöroimmünoloji Çalışma Grubu, İSTANBUL ÜNİVERSİTESİ, Turkey, Yok, 2000 - Continues

Uluslararası İşbirliği Projeleri Araştırma Destek Grubu (Upag), TÜBİTAK - The Scientific and Technological Research

Council of Turkey, Turkey, [https://www.tubitak.gov.tr/sites/default/files/20689/ardeb\\_gyk\\_dk\\_uyeleri.pdf](https://www.tubitak.gov.tr/sites/default/files/20689/ardeb_gyk_dk_uyeleri.pdf), 2019 - 2022

## Mobility Activity

Sabbatical Leave, Guest Researcher, University of Oxford, England, 2021 - 2022

## Metrics

Publication: 474

Citation (WoS): 6087

Citation (Scopus): 7009

H-Index (WoS): 31

H-Index (Scopus): 34

## Invited Talks

32nd International Congress of Clinical Neurophysiology, Conference, Congress of Clinical Neurophysiology, Switzerland, September 2022

FENS Meeting, Conference, FENS, Serbia, June 2019

31st International Epilepsy Congress, Conference, International Epilepsy Congress, Turkey, May 2015

International Conference on Myasthenia Gravis, Conference, International Conference on Myasthenia Gravis, France, March 2009

MDA Myasthenia Gravis Research Update, Seminar, Muscle Dystrophy Association, United States Of America, May 2006

GTCbio's Modern Drug Discovery & Development Summit, Conference, GTCbio, United States Of America, March 2006

Annual ANA meeting, Conference, American Neurology Association (ANA), Turkey, June 2005

MDA meeting, Conference, Muscular Dystrophy Association (MDA), United States Of America, June 2005

Myasthenia Gravis Foundation of America Scientific Session , Conference, Myasthenia Gravis Foundation of America, United States Of America, April 2003

## Research Areas

Medicine, Health Sciences, Fundamental Medical Sciences, Internal Medicine Sciences, Neurology, Life Sciences, Neurobiology, Natural Sciences