

## Prof. NURBAY ATEŞ

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### Education Information

Doctorate, Istanbul University, Health Sciences Institute, Turkey 1987 - 1990

Expertise In Medicine, Istanbul University, Istanbul Medical Faculty, Basic Medical Sciences, Turkey 1985 - 1987

Undergraduate, Hacettepe University, Fen Fakültesi, Biyoloji Bölümü, Turkey 1980 - 1985

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Deneysel konvulsiv nöbetlerde serebrovasküler geçirgenlik ve beyin su içeriği değişikliklerinde hipertansiyonun rolü, İstanbul Üniversitesi, Türkçe Eğitimi, 1990

### Research Areas

Medicine, Health Sciences, Fundamental Medical Sciences, Human Physiology, Neurophysiology, Natural Sciences

### Academic Titles / Tasks

Professor, Kocaeli University, Tıp Fakültesi, Temel Tıp Bilimleri, 1999 - Continues

Associate Professor, Kocaeli University, Tıp Fakültesi, Temel Tıp Bilimleri, 1995 - 1999

Lecturer PhD, Radboud University Nijmegen, 1991 - 1994

### Academic and Administrative Experience

Kocaeli Üniversitesi, Tıp Fakültesi, 1996 - Continues

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

- I. **Neonatal Tactile Stimulation Downregulates Dendritic Spines in Layer V Pyramidal Neurons of the WAG/Rij Rat Somatosensory Cortex**  
İLBAY G., Balıkcı A., KÖKTÜRK S., Yılmaz M., ATEŞ N., BAYDEMİR C., BALCI S.  
Neural plasticity, vol.2022, pp.7251460, 2022 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **THE EFFECT of AGMATINE on SPIKE-AND-WAVE DISCHARGES in A GENETIC MODEL of ABSENCE EPILEPSY AGMATİNİN GENETİK BİR ABSANS EPİLEPSİ MODELİNDE DİKEN-VE-DALGA DEŞARJLAR ÜZERİNE ETKİSİ**  
Akman Ö., UTKAN T., ARICIOĞLU F., ATEŞ N., KARSON A.  
Istanbul Tıp Fakültesi Dergisi, vol.85, no.1, pp.15-21, 2022 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Potasyum, Kalsiyum Ve Magnezyumun Böbrek tarafından Düzenlenmesi Kan Hacmi ve Hücre dışı Sıvı Hacminin Kontrolünde Böbrek Mekanizmalarının Birlikte Çalışması**  
AYDIN Y., UZUNER K., KAHVECİ N., ATEŞ N., SÜYEN G., TUNCER M.  
in: Guyton ve Hall Tıbbi Fizyoloji, Berrak Çağlayan Yeğen, Editor, Güneş Tıp Kitabevleri, Ankara, pp.389-406, 2017
- II. **Görmenin Merkezi Nörofizyolojisi**  
GÖLGELİ A., BAKTIR M. A., GÜL M., KAHVECİ N., GÜNDOĞAN N. Ü., EMRE M. H., ATEŞ N., KAYATEKİN B. M., AÇIKGÖZ O., UYSAL HARZADIN N., et al.  
in: Guyton ve Hall Tıbbi Fizyoloji, Prof. Dr. Berrak Ç. Yeğen, Editor, Güneş Kitabevi, İstanbul, pp.661-672, 2017

## Refereed Congress / Symposium Publications in Proceedings

- I. **Evaluation of Muscle Activity After Strenuous Exercise and Active Recovery by Tensiomyography**  
İPSEFTEL İ., ŞAHİN D., KARADENİZLİ TAŞKIN S., NURAYDIN A., ATEŞ N.  
Physiology Congress, Turkey, 08 November 2021
- II. **The Effect of Lps-induced preterm labor on learning and memory in adult WAG/Rij rats**  
NURAYDIN A., ŞAHİN D., KARADENİZLİ S., ŞAHİN T., ATEŞ N.  
Sfn Global Connectome, 11 - 13 January 2021
- III. **The effects of lps-induced preterm labor on learning and memory in adult WAG / Rij rats**  
Nuraydın A., Şahin D., Karadenizli Taşkın S., Şahin T., Ateş N.  
Sfn Connectome 2021, Washington, United States Of America, 11 January - 13 May 2021, pp.0-1
- IV. **Kadın badmintoncularda stresin kazanma ve kaybetme durumları üzerine etkisi**  
SARPER KAHVECİ M., KARAGÜN E., ATEŞ N., KARADENİZLİ S.  
Ulusal Sinirbilim Kongresi-2020, Ankara, Turkey, 6 - 09 November 2020
- V. **Agmatinin Harmalin ile Oluşturulan Esansiyel Tremoru Azaltıcı Etkisi**  
Akman Ö., Utkan T., Arıcıoğlu F., Ateş N., Karson A.  
18. Ulusal Sinirbilim Kongresi, Ankara, Turkey, 6 - 09 November 2020, pp.105
- VI. **Electroencephalographic differences in kindling -induced afterdischarges among genetic absence rat model and wistar rats**  
AKMAN Ö., ATEŞ N., KARSON A., ONAT F.  
Conference: 33rd International Epilepsy Congress Location: Bangkok, THAILAND, Bangkok, Thailand, 22 - 26 June 2019, vol.60, pp.136
- VII. **Electroencephalographic Differences In Kindling-Induced Afterdischarges Among Genetic Absence Rat Models And Wistar Rats**

Akman Ö., Karson A., Ates N., Onat F.

33rd International Epilepsy Congress, Bangkok, Thailand, 22 - 26 June 2019, vol.60, pp.136

- VIII. **The effect of moderate ER stress induced by Thapsigargin on SWD activity and GRP78, TNF- $\alpha$ , NF- $\kappa$ B levels in cortex and thalamus tissue of WAG/Rij rats**  
KARADENİZLİ S., ŞAHİN D., DEDE F., ÖZSOY Ö. D. , SARIHAN M., KASAP M., ATEŞ N.  
EMBO Endoplasmic reticulum function in health and disease 21 - 26 October 2018, Il Ciocco - Lucca, Il Coco, 21 - 26 October 2018
- IX. **Investigating effects of adenosinergic system modulation in genetic absence epilepsy on NF $\kappa$ B and IL-6**  
DEDE F., KARADENİZLİ S., ÖZSOY Ö. D. , demir h., ŞAHİN D., ERALDEMİR F. C. , ATEŞ N.  
11th FENS Forum of Neuroscience, 7 - 11 July 2018
- X. **The effects of ER stress induced by different dose of Thapsigargin on generalized convulsive seizure.**  
KARADENİZLİ S., ŞAHİN D., DEDE F., ATEŞ N.  
32. Uluslararası Epilepsi Kongresi 2017 (IEC 2017), Barcelona, Spain, 02 September 2019 - 06 September 2017
- XI. **Effects of retigabine on endoplasmic reticulum stress induced by thapsigargin and tunicamycin in PC12 cells a comparative study .**  
KARADENİZLİ S., ŞAHİN D., ozdogan y. C. , ATEŞ N.  
Neuroscience 2017, Washington, Kiribati, 11 - 15 November 2017
- XII. **576.21 - The effect of adenosinergic modulation on oxidative stress in convulsive seizure induced by pentylene tetrazol**  
DEDE F., KARADENİZLİ S., ÖZSOY Ö. D. , ŞAHİN D., ERALDEMİR F. C. , ATEŞ N.  
Neuroscience 2017, 11 - 15 November 2017
- XIII. **665- Investigation of the effect of licofelone on absence epilepsy**  
şahin t., DEDE F., ATEŞ N.  
society for neuroscience 2017, Washington, Kiribati, 11 - 15 November 2017
- XIV. **Effects of retigabine on endoplasmic reticulum stress induced by thapsigargin and tunicamycin in PC12 cells; a comparative study**  
KARADENİZLİ TAŞKIN S., ŞAHİN D., KENAR H., YILMAZ ÖZDOĞAN C., ATEŞ N.  
Neuroscience 2017, United States Of America, 11 November 2017
- XV. **İntrauterin ve anne sütüyle beslenme dönemlerinde düşük doz civa maruziyetinin testis dokusu üzerine etkileri**  
KAYA DAĞISTANLI F., ANAPALI M., AKDEMİR A. S. , TANRIVERDİ G., ŞAHİN D., KARADENİZLİ S., ATEŞ N.  
TBKG 2017, Turkey, 26 - 29 October 2017
- XVI. **İntrauterin ve anne sütüyle beslenme dönemlerinde düşük doz civa maruziyetinin follikülogenez üzerine etkileri**  
KAYA DAĞISTANLI F., ANAPALI M., AKDEMİR A. S. , TANRIVERDİ G., ŞAHİN D., KARADENİZLİ S., ATEŞ N.  
TBKG 2017, Turkey, 26 - 29 October 2017
- XVII. **Anti-absence effect of sildenafil (5-phosphodiesterase inhibitor) in WAG/Rij rats with genetic absence epilepsy**  
ŞAHİN D., Erdolu C. O. , KARADENİZLİ S., ATEŞ N.  
32nd International Epilepsy Congress, 2 - 06 September 2017
- XVIII. **The effects of etanercept on absence epilepsy**  
Şahin T., Arkan S., Karson A., Utkan T., Ateş N.  
29th Congress of the European-College-of-Neuropsychopharmacology (ECNP), Vienna, Austria, 17 - 20 September 2016, vol.26
- XIX. **Adenozinerjik sistem modülasyonunun konvulsif nöbet üzerine etkisi ve sitokinlerle ilişkisi**  
DEDE F., KARADENİZLİ S., ATEŞ N.  
14. Ulusal Sinirbilim Kongresi, Ankara, Turkey, 26 May - 29 September 2016, vol.10
- XX. **The Effects Of Vasoactive Intestinal Peptid VIP On Absence Epilepsy**  
ARKAN S., KORKMAZ O. T. , KARSON A., TUNÇEL A. N. , ATEŞ N.  
10th FENS Forum of Neuroscience in Copenhagen, Copenhagen, 2 - 06 July 2016

- XXI. **The effects of adenosinergic system modulation on TNF a and IL 1 levels in the brain after PTZ induced convulsive seizure**  
DEDE F., KARADENİZLİ S., ÖZSOY Ö. D. , ERALDEMİR F. C. , ATEŞ N.  
Neurizons2016, Göttingen, Germany, 31 May - 03 June 2016
- XXII. **The effects of adenosinergic system modulation on TNF and IL 1 levels in the brain after PTZ induced convulsive seizure**  
DEDE F., KARADENİZLİ S., ÖZSOY Ö. D. , ERALDEMİR F. C. , ATEŞ N.  
Neurizons-Speak Your Mind, Göttingen, Germany, 31 May - 03 June 2016
- XXIII. **Effects of different doses of Retigabine on aged genetic absence epileptic WAG Rij rats**  
KARADENİZLİ S., ŞAHİN D., ATEŞ N.  
Neurizons-Speak Your Mind, Göttingen, Germany, 31 May - 03 June 2016
- XXIV. **The Effects of Adenosinergic System Modulation on TNF and IL 1 Levels in The Brain After PTZ Induced Convulsive Seizure**  
DEDE F., KARADENİZLİ S., ÖZSOY Ö. D. , ERALDEMİR F. C. , ATEŞ N.  
Neurizons - 'Speak your mind', Göttingen, Germany, 31 May - 03 June 2016
- XXV. **Effects of different doses of retigabin on aged genetic absence epileptic WAG Rij rats**  
KARADENİZLİ S., ŞAHİN D., ATEŞ N.  
Neurizons2016, Göttingen, Germany, 31 May - 03 June 2016
- XXVI. **Deneysel epilepsi modellerinde epileptogenez sürecine etkili molekül çalışmaları**  
ATEŞ N.  
14. Ulusal Sinirbilim Kongresi, Ankara, Turkey, 26 - 29 May 2016
- XXVII. **EFFECTS OF CONTINUOUS LOW DOSE MERCURYCHLORIDE HGCL2 EXPOSURE IN GESTATIONALAND LACTATION PERIODS ON SWD ACTIVITY ANDSUBCONVULSIVE DOSE PTZ INDUCED SEIZURE INGENETICALLY ABSENCE EPILEPTIC WAG RIJ RATS**  
Beyaz S., ŞAHİN D., KARADENİZLİ S., bayrak g., Erdolu C. O. , Demir B., ATEŞ N.  
31st International Epilepsy Congress 2015, İstanbul, Turkey, 5 - 09 September 2015, vol.56, pp.3-262
- XXVIII. **Absence Epilepsy The effects of VIP Application on somatosensorial cortex of WAG Rij rats**  
KORKMAZ O. T. , oncü e., ARKAN S., KARSON A., ATEŞ N., TUNÇEL A. N.  
12th. International symposium on VIP, PACAP and related peptides, 21 - 26 September 2015
- XXIX. **The chronic and acute effects of Vasoactive intestinal peptid VIP on absence seziures**  
ARKAN S., KORKMAZ O. T. , KARSON A., ATEŞ N., TUNÇEL A. N.  
12th. International symposium on VIP, PACAP and related peptides, 21 - 26 September 2015
- XXX. **The effects of vibrasal sensory modulation on absence seizures**  
ARKAN S., KARSON A., ATEŞ N.  
Neuronus-2015 (IBRO-IRUN), 17 - 19 April 2015
- XXXI. **THE BLOOD BRAIN BARRIER INTEGRITY AND EPILEPTOGENESIS IN GENETIC ABSENCE EPILEPSY OF WAG RIJ RATS WITH CORTICAL DYSPLASIA**  
ŞAHİN D., UĞUR YILMAZ C., ORHAN N., GÜRSES R. C. , AHISHALI B., ARICAN N., KÜÇÜK M., ATEŞ N., ELMAS İ., kaya m.  
31st International Epilepsy Congress Location: Istanbul, TURKEY, 5 - 09 September 2015, vol.56
- XXXII. **The Blood Brain Barrier Integrity in WAG Rij Rats with Rotational Movements**  
ŞAHİN D., UĞUR YILMAZ C., ORHAN N., GÜRSES R. C. , BÜLENT A., ARICAN N., ATEŞ N., KAYA M.  
Turkish Society of Physiological Sciences 41st National Physiology Congress, hoboken, Turkey, 9 - 12 September 2015, vol.215, pp.20
- XXXIII. **Analysis of ERp57 in thalami tissue of genetic absence epileptic WAG Rij rats by using proteomics approaches**  
KARADENİZLİ S., ŞAHİN D., KASAP M., BERRİN Ö., ATEŞ N.  
9th European Advanced Summer School, Brixen, South Tirol, Italy, 2 - 08 August 2015
- XXXIV. **Analysis of ERp57 in thalami tissue of genetic absence epileptic WAG Rij rats by using proteomic approaches**  
KARADENİZLİ S., ŞAHİN D., KASAP M., AKPINAR G., Berrin Ö., ATEŞ N.

9th European Summer School/ Advanced Proteomics, Brixen/South Tirol, Italy, 2 - 08 August 2015

- XXXV. **Analysis of ERp57 in thalami tissue of genetic absence epileptic WAG/Rij rats by using proteomic approaches**  
KARADENİZLİ S., ŞAHİN D., KASAP M., AKPINAR G., ÖZTAŞ B., ATEŞ N.  
9th European Summer School Advanced Proteomics, Brixen, Italy, 2 - 08 August 2015
- XXXVI. **EFFECTS OF LOW DOSE MERCURY CHLORIDE (HGCL(2)) EXPOSURE IN GESTATIONAL AND LACTATIONAL PERIODS TO ON BEHAVIOR, LEARNING AND HEARING LOSS IN WAG/RIJ RATS**  
ŞAHİN D., Erdolu C. O. , Bayrak G., Beyaz S., KARADENİZLİ S., KARA A., DEMİR B., ATEŞ N.  
31st International Epilepsy Congress, İstanbul, Turkey, 5 - 09 September 2015, vol.56, pp.117
- XXXVII. **Cytokine gene polymorphism in Wistar Albino Glaxo rats from Rijswijk (WAG/Rij) rats which are genetic models of absence epilepsy**  
Gurol G., Tekin N., Yildizhan H., Sari S., ARKAN S., ATEŞ N., Demiralp D. O.  
European Biotechnology Congress, Lecce, Italy, 15 - 18 May 2014, vol.185
- XXXVIII. **Effect of YC-1 on the expression of matrix metalloproteinase 9 in single-dose pentylenetetrazol-induced epileptic seizures**  
Gurol G., ARKAN S., Demircan K., UTKAN T., ATEŞ N.  
FEBS EMBO 2014 Conference, Paris, France, 30 August - 04 September 2014, vol.281, pp.371-372
- XXXIX. **CHARACTERISTICS OF EPILEPTIC SEIZURES IN WAG/RIJ RATS WITH INDUCED CORTICAL DYSPLASIA**  
ŞAHİN D., Gurses C., Orhan N., Yilmaz U. C. , Kucuk M., Ahishali B., Arican N., ATEŞ N., Kaya M. O.  
30th International Epilepsy Congress, Montreal, Canada, 23 - 27 June 2013, vol.54, pp.253-254
- XL. **PERIRHINAL CORTICAL KINDLING IN GENETIC ABSENCE EPILEPSY RAT STRAINS**  
Akman O., KARSON A., ATEŞ N., ONAT F.  
9th European Congress on Epileptology, Rhodes, Greece, 27 June - 01 July 2010, vol.51, pp.18
- XLI. **Poster No: 008 Sayfa No:78 MEMANTİN'İN TREMOR ŞİDDETİNİ AZALTICI VE NÖRON KORUYUCU ETKİSİ: TİTREŞİM ANALİZİ VE İMMÜNOHİSTOKİMYASAL YAKLAŞIM. TÜRK FİZYOLOJİ BİLİMLER DERNEĞİ 35. ULUSAL FİZYOLOJİ KONGRESİ, 01 Ekim 2009 Perşembe Poster No: 008**  
KARSON A., İŞERİ P., AKMAN Ö., GÜLLÜ M. K. , KÖKTÜRK S., ERTÜRK S., YARDIMOĞLU YILMAZ M., ATEŞ N.  
35. ULUSAL FİZYOLOJİ KONGRESİ, Ankara, Turkey, 30 September - 03 October 2009, pp.78
- XLII. **Memantin tremor şiddetini azaltıcı ve nöron koruyucu etkisi titreşim analizi ve immunohistokimyasal yaklaşım**  
KARSON A., İŞERİ P., AKMAN Ö., GÜLLÜ M. K. , KÖKTÜRK S., ERTÜRK S., YARDIMOĞLU YILMAZ M., ATEŞ N.  
Türk Fizyolojik Bilimler Derneği 35. Ulusal Fizyoloji Kongresi Bildiri kitapçığı, P008, Türk Fizyolojik Bilimler Derneği 35. Ulusal Fizyoloji Kongresi, Ankara, Turkey, 30 September - 03 October 2009
- XLIII. **HIPPOCAMPAL KINDLING IN RATS WITH ABSENCE EPILEPSY RESEMBLES AMYGDALOID KINDLING**  
Akman O., KARSON A., Aker R., ATEŞ N., Onat F.  
8th European Congress on Epileptology, Berlin, Germany, 21 - 25 September 2008, vol.50, pp.177-178
- XLIV. **Discrete Wavelet Transform for Analysis of Spike-Wave Discharges in Rats**  
Uebeyli E. D. , İlbağ G., ŞAHİN D., ATEŞ N.  
30th Annual International Conference of the IEEE-Engineering-in-Medicine-and-Biology-Society, Vancouver, Canada, 20 - 24 August 2008, pp.4680-4681
- XLV. **Tracking the rotation of lab animals via computer vision Bilgisayarla görü ile deney hayvanlarında dönme hareketi takibi**  
Volkan Atli A., Kemal Güllü M., ERTÜRK S., KARSON A., ATEŞ N.  
2007 IEEE 15th Signal Processing and Communications Applications, SIU, Eskişehir, Turkey, 11 - 13 June 2007
- XLVI. **Tracking the rotation of lab animals via computer vision**  
Atla A. V. , Guellue M. K. , Ertuerk S., KARSON A., ATEŞ N.  
IEEE 15th Signal Processing and Communications Applications Conference, Eskişehir, Turkey, 11 - 13 June 2007, pp.774-775
- XLVII. **Effects of magnesium, furosemide and metoprolol on spreading depression**  
Alemdar M., Selekler M., Akman O., Ates N., Komsuoglu S.  
16th Annual Meeting of the European-Neurological-Society, Lausanne, Switzerland, 27 - 31 May 2006, vol.253,

pp.155

- XLVIII. **Sıçanlarda harmalinle oluşturulan tremor üzerine memantin in etkisi Karson A İşeri P Akman Ö Özdamar Ç Yardımoğlu M Ateş N Neuroanatomy 2006 Vol 5 Suppl 1**  
KARSON A., İŞERİ P., AKMAN Ö., ÖZDAMAR Ç., YARDIMOĞLU YILMAZ M., ATEŞ N.  
5. National Congress of Neuroscience, Zonguldak, Turkey, 10 - 14 April 2006, vol.5, pp.22
- XLIX. **Tek ve tekrarlayan dozlarda pentylenetetrazol PTZ ile uyarılan epileptik nöbetlerden sonra sıçan beyinde nöron spesifik enolaz NSE immunohistokimyası Neuroanatomy 2006 Vol 5 Suppl 1 p 23**  
YARDIMOĞLU YILMAZ M., İLBAY G., DALÇIK C., DALÇIK H., ŞAHİN D., ATEŞ N.  
5nd National Congress of Neuroscience (V.Ulusal Sinirbilimleri Kongresi), Zonguldak, Turkey, 10 - 14 April 2006, vol.5, pp.23
- L. **The investigation of early molecular consequences of chemically induced epileptic activity**  
Gorgulu S. T. , Kara N., Gunes Z., Ates N., Ilbay G., Severcan F.  
60th Annual Meeting of the American-Epilepsy-Society, California, United States Of America, 1 - 05 December 2006, vol.47, pp.234
- LI. **An FTIR approach to investigate molecular changes induced by epilepsy**  
TÜRKER KAYA S., ATEŞ N., İLBAY G., güneş z., Kara N., SEVERCAN F.  
WSEAS TRANSACTIONS on BIOLOGY and MEDICINE, Greece, 20 - 22 September 2005, vol.2, pp.355-358

## Supported Projects

ATEŞ N., Project Supported by Higher Education Institutions, **YÜKSEK VE DÜŞÜK FOSFORLU DİYETİN CİNSİYET FARKINA GÖRE PTH, D VİTAMİNİ VE KEMİK TURNOVER BELİRTEÇLERİ ÜZERİNE ETKİSİNİN ARAŞTIRILMASI**, 2018 - Continues  
ATEŞ N., Project Supported by Higher Education Institutions, **KONVULSİF VE NON-KONVULSİF EPİLEPTİK NÖBET PATOGENEZİNDE ADENOZİN-STOKİN İLİŞKİSİ**, 2015 - 2016

## Metrics

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