

## **Prof. Nurhan ENGİNAR**

### **Personal Information**

**Email:** engnur@istanbul.edu.tr

**Web:** <http://aves.istanbul.edu.tr/engnur/>

### **Education Information**

Doctorate, Istanbul University, Istanbul Medical Faculty, Turkey 1981 - 1984

Undergraduate, Istanbul University, Faculty Of Pharmacy , Turkey 1971 - 1975

### **Dissertations**

Doctorate, Sıçanlarda deneysel depresyon oluşturulması ve bu depresyonun oluş mekanizmasında santral sinir sistemi ara geçircilerinden noradrenalinin etkisi , Istanbul University, Istanbul Medical Faculty, Tıbbi Farmakoloji Anabilim Dalı, 1984

### **Research Areas**

Medicine, Health Sciences, Internal Medicine Sciences, Pharmacology and Clinical Pharmacology

### **Academic Titles / Tasks**

Professor, Istanbul University, Istanbul Medical Faculty, Division of Medical Sciences , 1995 - Continues

### **Advising Theses**

ENGİNAR N., Aç farelerde atropin ve yem ile oluşan konvülsiyonlara uzun süre haloperidol verilmesinin, olanzapinin ve antiepileptiklere amitriptilin eklenmesinin etkilerinin araştırılması, Postgraduate, A.Ahmet(Student), 2011

ENGİNAR N., Bir gün aç bırakılan farelerde atropin uygulanması ve yem verilmesi ile oluşan konvülsiyonlara yeni antiepileptiklerden levetirasetam ve topiramatin etkilerinin ve yem yoksunluğuna bağlı stresin katkısının araştırılması, Expertise In Medicine, B.Büget(Student), 2009

ENGİNAR N., Biperidenin sıçanlarda morfinin ödüllendirici özelliğine ve morfine bağımlılık gelişmesine etkilerinin ve ödüllendirici etkide haloperidol ile etkileşiminin araştırılması, Postgraduate, O.Allahverdiyev(Student), 2009

ENGİNAR N., Sürekli ve kesintili diazepam uygulananın bağımlılık gelişimine ve kesintili uygulamada gabapentinin kaygı oluşumuna ve bağımlılık gelişimine etkilerinin araştırılması, Expertise In Medicine, B.Açıkmeşe(Student), 2003

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

- Assessing effects of tamoxifen on tolerance, dependence, and glutamate and glutamine levels in frontal cortex and hippocampus in chronic morphine treatment**

Nurten A., GÖREN M. Z., Tekin N., Kaşkal M., Enginar N.

Behavioural Brain Research, vol.463, 2024 (SCI-Expanded)

- II. **Effect of oxytocin pretreatment on the development of morphine tolerance and dependence in rats**  
Ozdemir-Çezik S., Nurten A., Midilli B., Gürtekin B., Enginar N.  
NEUROSCIENCE LETTERS, vol.784, 2022 (SCI-Expanded)
- III. **Effects of tamoxifen and glutamate and glutamine levels in brain regions in repeated sleep deprivation-induced mania model in mice**  
Ozakman S., Gören M. Z., Nurten A., Tekin N., Kalaycı R., Enginar N.  
NAUNYN-SCHMIEDEBERGS ARCHIVES OF PHARMACOLOGY, vol.394, no.4, pp.619-629, 2021 (SCI-Expanded)
- IV. **Contribution of M-1 and M-2 muscarinic receptor subtypes to convulsions in fasted mice treated with scopolamine and given food**  
Bacanak M. S., AYDIN B., CABADAK H., NURTEN A., Goren M. Z., Enginar N.  
BEHAVIOURAL BRAIN RESEARCH, vol.364, pp.423-430, 2019 (SCI-Expanded)
- V. **Ketamine and its combinations with valproate and carbamazepine are ineffective against convulsions induced by atropine treatment and food intake in fasted mice**  
Gozuacik N., Turkmen A. Z., NURTEN A., Enginar N.  
IRANIAN JOURNAL OF BASIC MEDICAL SCIENCES, vol.22, no.3, pp.310-314, 2019 (SCI-Expanded)
- VI. **Antimuscarinic-induced convulsions in fasted mice after food intake: no evidence of spontaneous seizures, behavioral changes or neuronal damage**  
Enginar N., NURTEN A., Turkmen A. Z., Gundogan G. I., Ozunal Z. G.  
ACTA NEUROBIOLOGIAE EXPERIMENTALIS, vol.77, no.4, pp.373-381, 2017 (SCI-Expanded)
- VII. **Learning and memory in the forced swimming test: effects of antidepressants having varying degrees of anticholinergic activity**  
Enginar N., Yamanturk-Celik P., Nurten A., Guney D. B.  
NAUNYN-SCHMIEDEBERGS ARCHIVES OF PHARMACOLOGY, vol.389, no.7, pp.739-745, 2016 (SCI-Expanded)
- VIII. **Antimuscarinic-induced convulsions in fasted animals after food intake: evaluation of the effects of levetiracetam, topiramate and different doses of atropine**  
Buget B., Turkmen A. Z., Allahverdiyev O., Enginar N.  
NAUNYN-SCHMIEDEBERGS ARCHIVES OF PHARMACOLOGY, vol.389, no.1, pp.57-62, 2016 (SCI-Expanded)
- IX. **Scopolamine-induced convulsions in fasted animals after food intake: Sensitivity of C57BL/6J mice and Sprague-Dawley rats**  
Enginar N., Nurten A., Turkmen A. Z., Cagla B.  
EPILEPSY RESEARCH, vol.112, pp.150-153, 2015 (SCI-Expanded)
- X. **Spontaneous withdrawal in intermittent morphine administration in rats and mice: effect of clonidine coadministration and sex-related differences**  
Allahverdiyev O., Zengin Turkmen A., NURTEN A., Sehirli I., Enginar N.  
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.45, no.6, pp.1380-1389, 2015 (SCI-Expanded)
- XI. **Evaluation of anxiolytic effect and withdrawal anxiety in chronic intermittent diazepam treatment in rats**  
Acikmese B., Haznedar S., Hatipoglu I., Enginar N.  
BEHAVIOURAL PHARMACOLOGY, vol.23, no.2, pp.215-219, 2012 (SCI-Expanded)
- XII. **Assessment of rewarding and reinforcing properties of biperiden in conditioned place preference in rats**  
Allahverdiyev O., Nurten A., Enginar N.  
BEHAVIOURAL BRAIN RESEARCH, vol.225, no.2, pp.642-645, 2011 (SCI-Expanded)
- XIII. **Scopolamine-induced convulsions in fasted mice after food intake: Evaluation of the sedative effect in the suppression of convulsions**  
Enginar N., Nurten A., Karamursel Y., Zengin A., Baran E.  
EPILEPSY RESEARCH, vol.89, no.1, pp.2-6, 2010 (SCI-Expanded)
- XIV. **Seizures triggered by food intake in antimuscarinic-treated fasted animals: Evaluation of the experimental findings in terms of similarities to eating-triggered epilepsy**  
Enginar N., Nurten A.

EPILEPSIA, vol.51, pp.80-84, 2010 (SCI-Expanded)

- XV. **Scopolamine-induced convulsions in fasted mice after food intake: the effect of duration of food deprivation**  
Enginar N., Nurten A., Oezuenal Z. G., Zengin A.  
EPILEPSIA, vol.50, no.1, pp.143-146, 2009 (SCI-Expanded)
- XVI. **Evaluation of the acute effects of amitriptyline and fluoxetine on anxiety using grooming analysis algorithm in rats**  
Enginar N., Hatipoglu I., Firtina M.  
PHARMACOLOGY BIOCHEMISTRY AND BEHAVIOR, vol.89, no.3, pp.450-455, 2008 (SCI-Expanded)
- XVII. **The evaluation of antimuscarinic-induced convulsions in fasted rats after food intake**  
NURTEN A., Enginar N.  
EPILEPSY RESEARCH, vol.72, pp.171-177, 2006 (SCI-Expanded)
- XVIII. **Scopolamine-induced convulsions in fasted mice after food intake: Effects of glucose intake, antimuscarinic activity and anticonvulsant drugs**  
Enginar N., NURTEN A., CELIK P., ACIKMESE B.  
NEUROPHARMACOLOGY, vol.49, no.3, pp.293-299, 2005 (SCI-Expanded)
- XIX. **The effects of different 4-aminopyridine and morphine combinations on the intensity of morphine abstinence.**  
Koyuncuoğlu H., Nurten A., ÖZERMAN EDİS B., ENGİNAR N., Kara İ.  
Pharmacol Res., vol.43, no.3, pp.245-250, 2001 (SCI-Expanded)
- XX. **Scopolamine-induced convulsions in food given fasted mice: effects of clonidine and tizanidine**  
ENGİNAR N., Yamanturk P., NURTEN A., KOYUNCUOĞLU H.  
EPILEPSY RESEARCH, vol.35, no.2, pp.155-160, 1999 (SCI-Expanded)
- XXI. **Scopolamine-induced convulsions in food given fasted mice: effects of physostigmine and MK-801**  
Enginar N., NURTEN A., YAMANTURK P., KOYUNCUOĞLU H.  
EPILEPSY RESEARCH, vol.28, no.2, pp.137-142, 1997 (SCI-Expanded)
- XXII. **CHRONIC CLONIDINE ADMINISTRATION-INDUCED BEHAVIORAL HYPERACTIVITY - EFFECTS OF IMIPRAMINE, PROPRANOLOL AND DIAZEPAM**  
ENGİNAR N., KOYUNCUOĞLU H., HATİPOĞLU İ., DISCI R., EROĞLU L.  
BRITISH JOURNAL OF PHARMACOLOGY, vol.114, 1995 (SCI-Expanded)
- XXIII. **THE EFFECT OF OFLOXACIN AND CIPROFLOXACIN ON PENTYLENETETRAZOL-INDUCED CONVULSIONS IN MICE**  
ENGİNAR N., EROĞLU L.  
PHARMACOLOGY BIOCHEMISTRY AND BEHAVIOR, vol.39, no.3, pp.587-589, 1991 (SCI-Expanded)

## Articles Published in Other Journals

- I. **SCOPOLAMINE-INDUCED CONVULSIONS IN FASTED RATS AFTER FOOD INTAKE: THE EFFECT OF DURATION OF FOOD DEPRIVATION**  
Turkmen A. Z., NURTEN A., Enginar N.  
JOURNAL OF ISTANBUL FACULTY OF MEDICINE-ISTANBUL TIP FAKULTESİ DERGİSİ, vol.82, no.1, pp.47-51, 2019 (ESCI)

## Refereed Congress / Symposium Publications in Proceedings

- I. **The relationship between blood glucose levels and scopolamine-induced convulsions in food given fasted mice**  
ENGİNAR N., YAMANTÜRK ÇELİK A. P., NURTEN A., KOYUNCUOĞLU H.  
2nd European Congress of Pharmacology, Budapeşte, Hungary, 3 - 07 July 1999, vol.13, pp.172

- II. **The forced swimming test in the evaluation of learning and memory in rats**  
ENGİNAR N., YAMANTÜRK ÇELİK A. P., NURTEN A., Güney D. B.  
2nd European Congress of Pharmacology, Budapeşte, Hungary, 3 - 07 July 1999, vol.13, pp.142
- III. **The evaluation of retrograde amnesic effect of ether in an elevated plus-maze test in mice**  
YAMANTÜRK ÇELİK A. P., NURTEN A., ENGİNAR N.  
IIIrd European Research Conference on Neural Mechanisms of Learning and Memory, San Feliu De Guixols, Spain, 16 - 21 April 1996, pp.16
- IV. **Scopolamine-induced convulsions in food given fasted mice: Does this effect contribute to the impairment of performance on some memory tasks?**  
ENGİNAR N., NURTEN A., YAMANTÜRK ÇELİK A. P.  
IIIrd European Research Conference on Neural Mechanisms of Learning and Memory, San Feliu De Guixols, Spain, 16 - 21 April 1996, pp.42
- V. **LONG-TERM ISOLATION AS AN ANIMAL-MODEL OF DEPRESSION**  
ENGİNAR N., EROĞLU L.  
POST-CONGRESS SATELLITE MEETING OF THE 11TH INTERNATIONAL CONGRESS OF PHARMACOLOGY : ANIMAL MODELS IN PSYCHOPHARMACOLOGY, Amsterdam, Netherlands, 7 - 08 July 1990, pp.225-229

## Supported Projects

ENGİNAR N., Project Supported by Higher Education Institutions, CONVULSIONS IN FASTED ANIMALS AFTER ANTIMUSCARINIC TREATMENT AND FOOD INTAKE, 2008 - 2008

## Memberships / Tasks in Scientific Organizations

European Brain and Behavior Society, Member, 2017 - Continues

Türk Farmakoloji Derneği, Member, 1980 - Continues

## Scientific Refereeing

Clinical and Experimental Pharmacology and Physiology, SCI Journal, October 2016

Türk Tıp Bilimleri Dergisi, National Scientific Refreed Journal, June 2016

TUBİTAK Project, May 2016

Behav Brain Res, SCI Journal, July 2015

Sultan Qaboos University Medical Journal, Other Indexed Journal, September 2012

Project Supported by Higher Education Institutions, September 2012

## Scientific Consultations

Epilepsi Araştırma ve Uygulama Merkezi EPİMER, Scientific Consultancy, Istanbul University, Istanbul Medical Faculty, Division of Medical Sciences , Turkey, 2011 - 2017

## Metrics

Publication: 29

Citation (WoS): 140

Citation (Scopus): 119

H-Index (WoS): 7

## Congress and Symposium Activities

29th ECNP Congress, Attendee, Wien, Austria, 2016  
7th European Congress of Pharmacology, Attendee, İstanbul, Turkey, 2016  
XV Congress of the Italian Society of Neuroscience, Attendee, Roma, Italy, 2013  
FENS Featured Regional Meeting, Attendee, Praha, Czech Republic, 2013  
The 3rd Conference of the National Neuroscience Society of Romania, Attendee, Bucuresti, Romania, 2012  
6th European Congress of Pharmacology, Attendee, Granada, Spain, 2012  
24th ECNP Congress, Attendee, Paris, France, 2011  
9. Ulusal Sinirbilimleri Kongresi, Attendee, Turkey, 2010  
9. Ulusal Sinirbilimleri Kongresi, Attendee, Turkey, 2010  
20. Ulusal Farmakoloji Kongresi, Attendee, Turkey, 2009  
The 35th Congress on Science and Technology of Thailand, Attendee, Chon Buri, Thailand, 2009  
22nd ECNP Congress, Attendee, --Seçiniz--, Turkey, 2009  
Polish Neuroscience Society 9th International Congress, Attendee, Warszawa, Poland, 2009  
San Servolo Epilepsy Courses Alumni Meeting,, Attendee, Pécs, Hungary, 2009  
10th Workshop on Neurobiology of Epilepsy (WONOE), Attendee, Pécs, Hungary, 2009  
8. Ulusal Sinirbilimleri Kongresi, Attendee, Turkey, 2009  
8. Ulusal Sinirbilimleri Kongresi, Attendee, Turkey, 2009  
11th Multidisciplinary International Neuroscience and Biological Psychiatry Conference "Stress and Behavior", Attendee, Sankt Peterburg, Russia, 2008  
10th Jubilee Multidisciplinary International Conference of Biological Psychiatry "Stress and Behavior, Attendee, Sankt Peterburg, Russia, 2007  
6. Ulusal Sinirbilim Kongresi, Attendee, Turkey, 2007  
5. Ulusal Sinirbilim Kongresi, Attendee, Turkey, 2006  
5. Ulusal Sinirbilim Kongresi, Attendee, Turkey, 2006  
9th Annual Meeting of the Neuroendocrinology Section of the Society of Endocrinology, Attendee, Dresden, Germany, 2005  
18. Ulusal Farmakoloji Kongresi, Attendee, Turkey, 2005  
4. Ulusal Sinirbilim Kongresi, Attendee, Turkey, 2005  
III. Ulusal Sinirbilim Kongresi, Attendee, Turkey, 2004  
III. Ulusal Sinirbilim Kongresi, Attendee, Turkey, 2004  
2nd Inmed Conference, Attendee, France, 2003  
II. Ulusal Nörobilim Kongresi, Attendee, Turkey, 2003  
I. Ulusal Sinirbilim Kongresi, Attendee, Turkey, 2002  
I. Ulusal Sinirbilim Kongresi, Attendee, Turkey, 2002  
14th ECNP Congress, Attendee, --Seçiniz--, Turkey, 2001  
Türk Fizyolojik Bilimler Derneği 26. Ulusal Kongresi, Attendee, Turkey, 2000  
XV. Ulusal Farmakoloji Kongresi, Attendee, Turkey, 1999  
Türk Biyofizik Derneği XI. Ulusal Kongresi, Attendee, Turkey, 1999  
Türk Fizyolojik Bilimler Derneği 25. Ulusal Kongresi, Attendee, Turkey, 1999  
2nd European Congress of Pharmacology, Attendee, Budapest, Hungary, 1999  
2nd European Congress of Pharmacology, Attendee, Budapest, Hungary, 1999  
Türk Fizyolojik Bilimler Derneği 24. Ulusal Kongresi, Attendee, Turkey, 1998  
XIV. Ulusal Farmakoloji Kongresi, Attendee, Turkey, 1997  
XIII. Ulusal Farmakoloji Kongresi, Attendee, Turkey, 1996  
IIIrd European Research Conference on Neural Mechanisms of Learning and Memory, Attendee, Spain, 1996  
Türk Fizyolojik Bilimler Derneği 22. Ulusal Kongresi, Attendee, Bursa, Turkey, 1996

ECNP Regional Meeting, Current Aspects in the Psychopharmacology of Mood Disorders, Attendee, --Seiniz--, Turkey, 1996

IIIrd European Research Conference on Neural Mechanisms of Learning and Memory, Attendee, Spain, 1996

British Pharmacological Society Winter Meeting, Attendee, Brighton, United Kingdom, 1994

British Pharmacological Society Winter Meeting, Attendee, Brighton, United Kingdom, 1994

6. Ulusal Antibiyotik ve Kemoterapi Kongresi, Attendee, Antalya, Turkey, 1991

6. Ulusal Antibiyotik ve Kemoterapi Kongresi, Attendee, Turkey, 1991

Animal Models in Psychopharmacology Symposium, Attendee, Amsterdam, Netherlands, 1990

XI. International Congress of Pharmacology, Attendee, Amsterdam, Netherlands, 1990

2. Ulusal Halk Saėlıėı Kongresi, Attendee, İstanbul, Turkey, 1990

5. Ulusal Antibiyotik ve Kemoterapi Kongresi, Attendee, Turkey, 1990

4. Ulusal Antibiyotik ve Kemoterapi Kongresi, Attendee, Turkey, 1989

4. Ulusal Antibiyotik ve Kemoterapi Kongresi, Attendee, --Seiniz--, Turkey, 1989

İstanbul Tıp Fakóltesi 9. Kurultayı, Attendee, İstanbul, Turkey, 1987

VIII. Türk Farmakoloji Kongresi, Attendee, Antalya, Turkey, 1986

İstanbul Tıp Fakóltesi 8. Kurultayı,, Attendee, İstanbul, Turkey, 1985

VIII. Ulusal Nörofizyoloji Kongresi, Attendee, Turkey, 1985

İstanbul Tıp Fakóltesi 7. Kurultayı, Attendee, Turkey, 1983

TÜBİTAK VII. Bilim Kongresi, Attendee, Turkey, 1980