

## **Prof. GÜLDAL SÜYEN**

### **Personal Information**

**Office Phone:** [+90 216 500 4072](tel:+902165004072)

**Fax Phone:** [+90 216 576 5120](tel:+902165765120)

**Email:** [Guldal.SUYEN@acibadem.edu.tr](mailto:Guldal.SUYEN@acibadem.edu.tr)

**Web:** <https://avesis.acibadem.edu.tr/guldal.suyen>

### **Education Information**

Doctorate, Bursa Uludağ University, Graduate School Of Educational Sciences, Turkey 1995 - 1998

Undergraduate, Bursa Uludağ University, School Of Medicine, Turkey 1986 - 1992

### **Certificates, Courses and Trainings**

Health&Medicine, Etik Kurulların Yapılanması için Standardizasyon Gereklilikleri Kursu, İstanbul Üniversitesi , 2019

Quality Management, TEPDAD Değerlendirici Eğitimi, TEPDAD, 2019

### **Dissertations**

Doctorate, Sıçanlarda sistemik lityum-pilokarpin ile oluşturulan epilepsi modelinde nitrik oksitin nöbet aktivitesi üzerine etkisi, Bursa Uludağ University, Graduate School Of Educational Sciences, 1998

### **Research Areas**

Health Sciences

### **Academic Titles / Tasks**

Professor, Acibadem Mehmet Ali Aydınlar University, School of Medicine, Department of Basic Sciences, 2010 - Continues

Professor, Bursa Uludağ University, School Of Medicine, 2007 - 2010

Associate Professor, Bursa Uludağ University, School Of Medicine, 2002 - 2007

Assistant Professor, Bursa Uludağ University, School Of Medicine, 2000 - 2002

Research Assistant, Bursa Uludağ University, School Of Medicine, 1995 - 2000

### **Academic and Administrative Experience**

Erasmus Coordinator, Acibadem Mehmet Ali Aydınlar University, School of Medicine, Department of Basic Sciences, 2020 - Continues

Member of the Senate, Acibadem Mehmet Ali Aydınlar University, School of Medicine, Department of Basic Sciences, 2020 - Continues

Vice Rector, Acibadem Mehmet Ali Aydınlar University, School of Medicine, Department of Basic Sciences, 2020 - Continues

Fakülte Yönetim Kurulu Üyesi, Acibadem Mehmet Ali Aydınlar University, School of Medicine, 2015 - Continues  
ACU-DEHAM Müdürü, Acibadem Mehmet Ali Aydınlar University, 2014 - Continues  
Head of Department, Acibadem Mehmet Ali Aydınlar University, School of Medicine, Department of Basic Sciences, 2010 - Continues  
Vice Dean, Acibadem Mehmet Ali Aydınlar University, School of Medicine, 2018 - 2020  
Tıp Fakültesi Stratejik Plan Geliştirme ve İzleme Kurulu, Acibadem Mehmet Ali Aydınlar University, School of Medicine, 2017 - 2020  
Deputy Chief Physician, Bursa Uludağ University, School Of Medicine, 2007 - 2008

## Courses

Nervous System and Related Disorders, Undergraduate, 2019 - 2020, 2020 - 2021  
Fizyoloji I, Postgraduate, 2020 - 2021  
Nörolojik hastalıkların hayvan modelleri, Doctorate, 2019 - 2020  
Deney hayvanlarında bilişsel ve davranışsal testler , Doctorate, 2019 - 2020

## Advising Theses

Süyen G., Farelerde pilokarpin ile oluşturulan temporal lob epilepsisi modelinde Dual Leucine Zipper Kinase inhibitörü GNE-3511'in epileptogenez ve bilişsel-davranışsal değişiklikler üzerine etkisi, Postgraduate, D.Acar(Student), Continues  
Süyen G., Sıçanlarda Valproik Asit ile oluşturulan otizm modelinde mitokondriyal dinamiklerin gelişimsel süreçte incelenmesi, Doctorate, S.Özer(Student), Continues  
Süyen G., Bayram Akçapınar G., INVESTIGATION OF GUT MICROBIOTA FROM DUODENAL TISSUE OF OBESE PEOPLE USING CULTUROMICS AND METAGENOMICS, Doctorate, I.Durmuş(Student), Continues  
Süyen G., Ergen M., İNHALASYONLA UYGULANAN SALVIA TRILOBA UÇUCU YAĞININ IN VITRO BİYOAKTİVİTELERİ VE SIÇANDA SKOPOLAMİN İLE İNDÜKLENMİŞ BELLEK KAYBI ÜZERİNDE KORUYUCU ETKİSİ, Postgraduate, G.BEYZA(Student), 2020  
Süyen G., İnsan Katelisinin Peptid Antibiyotiklerinden Esinlenerek Geliştirilen Antimikrobiyal Peptitlerin Hipokampal Nöronlar Üzerine Etkilerinin İncelenmesi, Postgraduate, M.TİTİZ(Student), 2019  
Süyen G., Kahveci N., CDP-kolinin uyku yoksunluğu oluşturulan sıçanlarda öğrenme ve bellek parametreleri üzerine etkisi, Doctorate, A.ÇAKIR(Student), 2018  
Süyen G., Kahveci N., Üridin'in uyku yoksunluğu oluşturulan sıçanlarda öğrenme ve bellek parametreleri üzerine etkisi, Postgraduate, B.ÖCALAN(Student), 2015

## Jury Memberships

Appointment Academic Staff, Appointment Academic Staff, Acibadem Mehmet Ali Aydınlar Üniversitesi, November, 2020  
Doctorate, Doctorate, Marmara Üniversitesi, October, 2020  
Doctoral Examination, Doctoral Examination, Bursa Uludağ Üniversitesi, October, 2020  
Expertise In Medicine, Expertise In Medicine, Bursa Uludağ Üniversitesi, August, 2020  
Associate Professor Exam, Associate Professor Exam, Yozgat Bozok Üniversitesi, August, 2020  
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Marmara Üniversitesi, July, 2020  
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Acibadem Mehmet Ali Aydınlar Üniversitesi, July, 2020  
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Acibadem Mehmet Ali Aydınlar Üniversitesi, June, 2020  
Expertise In Medicine, Expertise In Medicine, Kocaeli Üniversitesi, March, 2020

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Acibadem Mehmet Ali Aydınlar Üniversitesi, February, 2020  
Doctoral Examination, Doctoral Examination, Acibadem Mehmet Ali Aydınlar Üniversitesi, February, 2020  
Doctorate, Doctorate, Bursa Uludağ Üniversitesi, July, 2019  
Appointment Academic Staff, Appointment Academic Staff, Marmara Üniversitesi, May, 2019  
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Marmara Üniversitesi, April, 2019  
Associate Professor Exam, Associate Professor Exam, Acibadem Mehmet Ali Aydınlar University, March, 2019  
Doctoral Examination, Doctoral Examination, Bursa Uludağ Üniversitesi, January, 2019  
Doctoral Examination, Doctoral Examination, Bursa Uludağ Üniversitesi, January, 2019

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

- I. **Caffeic acid attenuates gastric mucosal damage induced by ethanol in rats via nitric oxide modulation**  
Kolgazi M., Cilingir S., Yilmaz O., Gemici M., Yazar H., Ozer S., Acikel-Elmas M., Arbak S., Suyen G.  
CHEMICO-BIOLOGICAL INTERACTIONS, vol.334, 2021 (Journal Indexed in SCI)
- II. **Effects of CDP-choline administration on learning and memory in REM sleep-deprived rats**  
Cakir A., Ocalan B., Koc C., Suyen G., Cansev M., Kahveci N.  
Physiology and Behavior, vol.213, 2020 (Journal Indexed in SCI)
- III. **Uridine treatment prevents REM sleep deprivation-induced learning and memory impairment**  
Ocalan B., Cakir A., Koc C., Suyen G., Kahveci N.  
NEUROSCIENCE RESEARCH, vol.148, pp.42-48, 2019 (Journal Indexed in SCI)
- IV. **Effects of intracerebroventricularly injected glucagon-like peptide-2 on ethanol-induced gastric mucosal damage in rats.**  
Isbil-Buyukcoskun N., Cam B., Gulec S., Ozluk K.  
Endocrine research, vol.43, pp.220-227, 2018 (Journal Indexed in SCI)
- V. **Effects of different aerobic exercise frequencies on streptozotocin-nicotinamide-induced type 2 diabetic rats: Continuous versus short bouts and weekend warrior exercises**  
Alaca N., USLU S., Gulec Suyen G., Ince Ü., SERTESER M., KURTEL H.  
JOURNAL OF DIABETES, vol.10, no.1, pp.73-84, 2018 (Journal Indexed in SCI)
- VI. **Effects of Ozone on Spinal Cord Recovery via the Wnt/ & amp; Beta;-Catenin Pathway Following Spinal Cord Injury in Rats.**  
Tural Emon S., USLU S., Ilgaz Aydınlar E., Irban A., Ince Ü., Orakdogen M., Gulec Suyen G.  
Turkish neurosurgery, vol.27, no.6, pp.946-951, 2017 (Journal Indexed in SCI)
- VII. **Immediate and delayed treatment with gabapentin, carbamazepine and CNQX have almost similar impact on cognitive functions and behavior in the lithium-pilocarpine model in rats**  
SÜYEN G., İŞBİL BÜYÜKCOŞKUN N., KAHVECİ N., Sengun E., ÖZLÜK K.  
PHARMACOLOGY BIOCHEMISTRY AND BEHAVIOR, vol.148, pp.128-135, 2016 (Journal Indexed in SCI)
- VIII. **Effects of centrally injected glucagon-like peptide-2 on gastric mucosal blood flow in rats: Possible mechanisms**  
SÜYEN G., İŞBİL BÜYÜKCOŞKUN N., ÇAM ETÖZ B., ÖZLÜK K.  
PEPTIDES, vol.64, pp.62-66, 2015 (Journal Indexed in SCI)
- IX. **Role of K(v)7 Potassium Channels in The Morphine-Induced Antinociception in Acute and Neuropathic Pain**  
KAHVECİ N., Gulec G., ÖZLÜK K.  
JOURNAL OF NEUROLOGICAL SCIENCES-TURKISH, vol.28, no.4, pp.440-452, 2011 (Journal Indexed in SCI)
- X. **Effects of centrally-injected glucagon-like peptide-1 on pilocarpine-induced seizures, anxiety and locomotor and exploratory activity in rat.**  
Gulec G., Isbil-Buyukcoskun N., Kahveci N.

Neuropeptides, vol.44, pp.285-91, 2010 (Journal Indexed in SCI)

- XI. **Effect of peripherally-injected glucagon-like peptide-1 on gastric mucosal blood flow.**  
Isbil-Buyukcoskun N., Cam-Etoz B., Gulec G., Ozluk K.  
Regulatory peptides, vol.157, pp.72-5, 2009 (Journal Indexed in SCI)
- XII. **Peripheral GLP-1 gastroprotection against ethanol: the role of exendin, NO, CGRP, prostaglandins and blood flow.**  
Isbil-Buyukcoskun N., Gulec G., Cam-Etoz B., Ozluk K.  
Regulatory peptides, vol.152, pp.22-7, 2009 (Journal Indexed in SCI)
- XIII. **Central effects of glucagon-like peptide-1 on cold-restraint stress-induced gastric mucosal lesions.**  
Işbil B., Güleç G., Cam E., Ozlük K.  
The Turkish journal of gastroenterology : the official journal of Turkish Society of Gastroenterology, vol.18, pp.150-6, 2007 (Journal Indexed in SCI Expanded)
- XIV. **Effects of intracerebroventricularly-injected morphine on anxiety, memory retrieval and locomotor activity in rats: involvement of vasopressinergic system and nitric oxide pathway.**  
Kahveci N., Gulec G., Ozluk K.  
Pharmacology, biochemistry, and behavior, vol.85, pp.859-67, 2006 (Journal Indexed in SCI)
- XV. **Protective effect of centrally-injected glucagon-like peptide-1 on reserpine-induced gastric mucosal lesions in rat: possible mechanisms.**  
Işbil B., Güleç G., Ozlük K.  
The Turkish journal of gastroenterology : the official journal of Turkish Society of Gastroenterology, vol.17, pp.1-6, 2006 (Journal Indexed in SCI Expanded)
- XVI. **Arginine vasopressin does not contribute to seizures induced by intracerebroventricularly-injected pilocarpine.**  
Gulec G., Isbil-Buyukcoskun N.  
Neuropeptides, vol.39, pp.575-9, 2005 (Journal Indexed in SCI)
- XVII. **Investigation of the mechanisms involved in the central effects of glucagon-like peptide-1 on ethanol-induced gastric mucosal lesions.**  
Isbil-Buyukcoskun N., Gulec G.  
Regulatory peptides, vol.128, pp.57-62, 2005 (Journal Indexed in SCI)
- XVIII. **Effects of centrally injected GLP-1 in various experimental models of gastric mucosal damage.**  
Isbil-Buyukcoskun N., Gulec G.  
Peptides, vol.25, pp.1179-83, 2004 (Journal Indexed in SCI)
- XIX. **Effects of intracerebroventricularly injected glucagon-like peptide-1 on cardiovascular parameters; role of central cholinergic system and vasopressin.**  
Isbil-Buyukcoskun N., Gulec G.  
Regulatory peptides, vol.118, pp.33-8, 2004 (Journal Indexed in SCI)
- XX. **Arginine vasopressin in the pathogenesis of febrile convulsion and temporal lobe epilepsy.**  
Gulec G., Noyan B.  
Neuroreport, vol.13, pp.2045-8, 2002 (Journal Indexed in SCI)
- XXI. **A central link between angiotensinergic and cholinergic systems; role of vasopressin.**  
Buyukcoskun N., Gulec G., Ozluk K.  
Peptides, vol.22, pp.1415-20, 2001 (Journal Indexed in SCI)
- XXII. **Central injection of captopril inhibits the blood pressure response to intracerebroventricular choline.**  
Isbil-Buyukcoskun N., Gulec G., Ozluk K., Ulus İ. H.  
Brazilian journal of medical and biological research = Revista brasileira de pesquisas medicas e biologicas, vol.34, pp.815-20, 2001 (Journal Indexed in SCI)
- XXIII. **Do recurrent febrile convulsions decrease the threshold for pilocarpine-induced seizures? Effects of nitric oxide.**  
Gulec G., Noyan B.  
Brain research. Developmental brain research, vol.126, pp.223-8, 2001 (Journal Indexed in SCI)

- XXIV. **Effects of L-arginine on prevention and treatment of lithium-pilocarpine-induced status epilepticus.**  
Noyan B., Güleç G.  
Physiological research, vol.49, pp.379-85, 2000 (Journal Indexed in SCI Expanded)
- XXV. **Investigation of the fibrinolytic activity in patients with atherosclerotic coronary artery disease and the effects of Fraxiparine therapy**  
Ozluk K., Isbil N., Noyan B., Yesilbursa D., Gulec G., Manavoglu O., Cobanoglu N.  
Turkish Journal of Medical Sciences, vol.27, no.1, pp.33-38, 1997 (Journal Indexed in SCI Expanded)

### Articles Published in Other Journals

- I. **Effects of three different frequencies of aerobic physical activity on heart and kidney tissues in type 2 diabetes-induced rats**  
Alaca N., Uslu S., Süyen G., Kurtel H.  
Medeniyet Medical Journal, vol.34, pp.252-262, 2019 (National Refreed University Journal)
- II. **EFFECT OF LINOPIRDINE ON FORCED SWIMMING TEST IN RATS**  
Uzunok B., Kahveci N., Suyen G., Buyukuysal M. C.  
NOBEL MEDICUS, vol.15, no.1, pp.41-46, 2019 (Journal Indexed in ESCI)

### Books & Book Chapters

- I. **Elektrokardiyogram**  
Süyen G.  
in: İnsan Fizyolojisi, Prof. Dr. Erdal Ağar, Editor, İstanbul Tıp Kitabevi, İstanbul, pp.159-166, 2020
- II. **Erkek Üreme Sistemi Fonksiyonu**  
CANPOLAT S., AĞAR E., AYYILDIZ M., AYAR A., ÖZTÜRK L., YEGEN B., KELLE M., DOLU N., KILIÇ E., ERMUTLU M. N., et al.  
in: Ganong'un Tıbbi Fizyolojisi, Ümmühan İšoğlu Alkaç, Numan Ermutlu, Editor, Nobel Tıp Kitabevleri, pp.417-427, 2018
- III. **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
- IV. **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. **Effects of Centrally-Injected Neuropeptide S on Epileptic Seizures, Anxiety and Learning and Memory; Role of Gender**  
Çilingir S., Bayburt S., Genç D., Özer S., Süyen G.  
45. ULUSAL FİZYOLOJİ KONGRESİ, Aydın, Turkey, 31 October - 03 November 2019, vol.227, pp.80
- II. **The Effect of CDP-Choline on Hippocampal tCAMKII, pCaMKII and pCREB Levels in REM-Sleep Deprived Rats**  
Çakır A., Öcalan B., Koç C., Süyen G., Cansev M., Kahveci N.  
45. ULUSAL FİZYOLOJİ KONGRESİ, Aydın, Turkey, 31 October - 03 November 2019, vol.227, pp.37
- III. **The Effect of Hippocampal Replay-Induced During Wakefulness on Learning and Memory in Rats**

- Özer S., Şengün Filiz E., Şapçı İ., Albayrak E., Acar D., Süyen G.  
45. Ulusal Fizyoloji Kongresi, Aydın, Turkey, 31 October - 03 November 2019, vol.227, pp.40
- IV. **REM Uyku Yoksunluğu Oluşturulan Sıçanlarda CDPkolin Tedavisinin Hipokampustaki tCAMKII, pCaMKII ve pCREB Düzeyleri Üzerine Etkisi**  
ÇAKIR A., Ocalan B., Sevinc C., SÜYEN G., CANSEV M., KAHVECİ N.  
Türk Fizyolojik Bilimler Derneği 45. Ulusal Fizyoloji Kongresi, Turkey, 31 October - 03 November 2019
- V. **Tip 2 diyabetik sıçanlarda üç farklı aerobik fiziksel aktivite sıklığının kalp ve böbrek dokuları üzerine etkisi**  
ALACA N., USLU S., BAŞDEMİR G., SÜYEN G., ÖZBEYLİ D., KURTEL H.  
24. Ulusal Elektron Mikroskopi Kongresi (Uluslararası Katılımlı), Turkey, 24 - 26 April 2019
- VI. **Bir Uygulama Örneği: (Durum Bildirir Rapor: ) Acıbadem Üniversitesi Tıp Fakültesi Faz 1 Programını Değerlendirme ve Geliştirme Çalışması**  
Şahiner A. M. , Süyen G., Bakırcı N., Alanay Y., Altıntaş L.  
Ulusal Tıp Eğitimi Sempozyumu 2019, Eskişehir, Turkey, 10 - 12 April 2019, vol.1, no.281214, pp.1
- VII. **Kafeik asit etanol ile indüklenen gastrik mukozal hasarı iyileştirir.**  
KOLGAZİ M., GEMİCİ M., YAZAR H., YILMAZ Ö., ÖZER S., SÜYEN G.  
Türk Fizyolojik Bilimler Derneği 44. Ulusal Fizyoloji Kongresi, Turkey, 1 - 04 November 2018
- VIII. **Investigation of the Influence of Music on Behavioral Findings by Valproic Acid-Induced Autism Model in Rats**  
Tümentemur G., Titiz M., Çilingir S., Ertosun G. B. , Acar D., Yavuz M. Ş. , Süyen G.  
Turkish Society of Physiological Sciences 44th National Physiology Congress, Antalya, Turkey, 1 - 04 November 2018, vol.225, no.716, pp.42
- IX. **EFFECTS OF CENTRALLY INJECTED GLUCAGON-LIKE PEPTIDE-1 ON PILOCARPINE-INDUCED SEIZURES, ANXIETY AND LOCOMOTOR AND EXPLORATORY ACTIVITY IN RAT**  
Kahveci N., Gulec G., Buyukcoskun I. N.  
9th European Congress on Epileptology, Rhodes, Greece, 27 June - 01 July 2010, vol.51, pp.84
- X. **EFFECTS OF GABAPENTIN, CARBAMAZEPINE, AND CNQX ON COGNITIVE FUNCTIONS AND BEHAVIOR IN RATS WITH PILOCARPINE-INDUCED STATUS EPILEPTICUS**  
Gulec G., Buyukcoskun I. N. , Kahveci N.  
9th European Congress on Epileptology, Rhodes, Greece, 27 June - 01 July 2010, vol.51, pp.83

## Supported Projects

Süyen G., Kahveci N., Çakır A., Aydın B., TUBITAK Project, REM Uyku Yoksunluğunun Endoplazmik Retikulum Stresi ve Alzheimer Benzeri Patoloji Oluşumundaki Rolü ve Melatoninin Olası Tedavi Edici Etkisinin Araştırılması, 2021 - 2023  
Bardakçı H., Süyen G., Ergen M., Project Supported by Higher Education Institutions, İnhalasyonla uygulanan Salvia triloba uçucu yağının sıçanda asetilkolinesteraz inhibitörü etkinliği ve skopolamin ile indüklenmiş bellek kaybı üzerine koruyucu etkisi (Proje no: 2019/02/06), 2019 - 2020

Alaca N., Uslu S., Özbeyli D., Süyen G., Project Supported by Higher Education Institutions, Deneysel Olarak Tip 2 Diyabet Oluşturulan Sıçanlarda Airobik Egzersiz Sıklıklarının Kalp ve Böbrek Dokusuna Etkisinin Histomorfometrik ve İmmunohistokimyasal Olarak Değerlendirilmesi, 2017 - 2018

## Memberships / Tasks in Scientific Organizations

Türk Fizyolojik Bilimler Derneği, Member, 1996 - Continues

## Scientific Refereeing

TURKISH JOURNAL OF MEDICAL SCIENCES, National Scientific Refreed Journal, July 2021

Project Supported by Higher Education Institutions, BAP MSc, Bursa Uludağ University, Turkey, February 2021

Project Supported by Higher Education Institutions, BAP Research Project, Kocaeli University, Turkey, November 2020

JOURNAL OF PHYSIOLOGY AND PHARMACOLOGY, SCI Journal, October 2020

TURKISH JOURNAL OF MEDICAL SCIENCES, National Scientific Refreed Journal, April 2020

Project Supported by Higher Education Institutions, BAP Research Project, Acibadem Mehmet Ali Aydinlar University, Turkey, March 2020

## **Edit Congress and Symposium Activities**

ULUSAL FİZYOLOJİ KONGRESİ, Moderator, Aydın, Turkey, 2019

## **Citations**

Total Citations (WOS):187

h-index (WOS):8

## **Invited Talks**

How to improve the veterinary care program-Acibadem University experience, Conference, Association for Assessment and Accreditation of Laboratory Animal Care International, United States Of America, June 2021

Training the veterinary team members, Conference, Association for Assessment and Accreditation of Laboratory Animal Care International, United States Of America, June 2021

## **Awards**

Alaca N., Uslu S., İnce Ü., Serteser M., Süyen G., Kurtel H., 6. Egzersiz Fizyolojisi Sempozyumunda Prof. Dr. Necati Akgün En iyi sözlü sunum ödülü, 6. Egzersiz Fizyolojisi Sempozyu, May 2017