

## Assoc. Prof. FERİHAN ÇETİN

### Personal Information

Email: ferihan.cetin@medeniyet.edu.tr

### Education Information

Doctorate, Gazi Üniversitesi, Institute Of Health Sciences, Department Of Physiology, Turkey 2001 - 2006

### Dissertations

Doctorate, İntrahipokampal Beta Amiloid (1-42) Uygulamasının Öğrenme ve Bellek Fonksiyonları Üzerine Etkisi: NO/NOS Sistemi ve Mikroglial Aktivasyon ile İlişkisi , Gazi University, Sağlık Bilimleri Enstitüsü, Temel Bilimler, 2007

Post Graduate, Nitrik Oksit Sentaz İnhibisyonunun ve Eksitasyonunun Sıçanlarda Beyin Nitrik Oksit Düzeyleri ve Spasiyal Öğrenme Üzerindeki Etkileri , Gazi University, Sağlık Bilimleri Enstitüsü, Temel Bilimler, 1998

### Academic Titles / Tasks

Associate Professor, Istanbul Medeniyet University, Faculty of Medicine, Basic Medical Sciences, 2018 - Continues

Associate Professor, Yüksek İhtisas Üniversitesi, Faculty Of Medicine, Department Of Basic Medical Sciences (Medicine), 2016 - 2017

Research Assistant PhD, Dokuz Eylül Üniversitesi, Tıp Fakültesi, Temel Bilimler, 2007 - 2012

Research Assistant, Gazi Üniversitesi, Tıp Fakültesi, Temel Bilimler, 2001 - 2007

### Academic and Administrative Experience

Board Member, Yüksek İhtisas Üniversitesi, Faculty Of Medicine, Department Of Basic Medical Sciences (Medicine), 2016 - 2017

Academic Board Member, Yüksek İhtisas Üniversitesi, Faculty Of Medicine, Department Of Basic Medical Sciences (Medicine), 2016 - 2017

Vice Dean, Yüksek İhtisas Üniversitesi, Faculty Of Health Sciences, 2016 - 2017

Head of Department, Yüksek İhtisas Üniversitesi, Faculty Of Medicine, Department Of Basic Medical Sciences (Medicine), 2016 - 2017

### Courses

Nöroanatomi-Nörofizyoloji, Associate Degree, 2018 - 2019, 2019 - 2020

Uzmanlık Alan Dersi, Post Graduate, 2018 - 2019

Boşaltım Fizyolojisi, Doctorate, 2019 - 2020

Post Graduate, 2018 - 2019

Fizyoloji, Under Graduate, 2019 - 2020

Fizyoloji, Associate Degree, 2019 - 2020

Boşaltım Fizyolojisi, Under Graduate, 2018 - 2019

Kas ve Periferik Sinir Sistemi, Under Graduate, 2018 - 2019

Dolařım Fizyolojisi, Under Graduate, 2019 - 2020  
Endokrinoloji, Under Graduate, 2018 - 2019  
Kalp Fizyolojisi, Doctorate, 2018 - 2019  
Solunum Sistemi Fizyolojisi, Under Graduate, 2018 - 2019  
Merkezi Sinir Sistemi Fizyolojisi, Under Graduate, 2018 - 2019  
Kalp Fizyolojisi, Under Graduate, 2018 - 2019

## Advising Theses

Çetin F., SEREBRAL PALSİLİ ÇOCUKLARDA OSTEOPATİK MANİPULATİF UYGULAMANIN KONSTİPASYON VE POSTÜR ÜZERİNE ETKİSİ, Post Graduate, C.Turan(Student), 2020  
Çetin F., SAĞLIKLI KADINLARDA GÜNLÜK ADIM SAYISINA GÖRE; MAKSİMAL OKSİJEN TÜKETİMİ, VÜCUT KOMPOZİSYONU, BEDEN KİTLE İNDEKSİ, BEL-KALÇA ORANI, KAN BASINCI DEĞERLERİNİN KARŞILAŞTIRILMASI, Post Graduate, M.Uçmaklı(Student), 2019

## Jury Memberships

Post Graduate, Post Graduate, İstanbul Medeniyet Üniversitesi, July, 2020  
Post Graduate, Post Graduate, İstanbul Medeniyet Üniversitesi, June, 2020  
Post Graduate, Post Graduate, İstanbul Medeniyet Üniversitesi, December, 2019  
Doctoral Examination, Doctoral Examination, İstanbul Medeniyet Üniversitesi, November, 2019  
Post Graduate, Post Graduate, İstanbul Medeniyet Üniversitesi, June, 2019

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

- I. **Could sudden sensorineural hearing loss be the sole manifestation of COVID-19? An investigation into SARS-COV-2 in the etiology of sudden sensorineural hearing loss.**  
Kılıç O., Kalcıoğlu M. T. , Çağ Y., Tuysuz O., Pektaş E., Caskurlu H., Cetin F.  
International journal of infectious diseases : IJID : official publication of the International Society for Infectious Diseases, vol.97, pp.208-211, 2020 (Journal Indexed in SCI Expanded)
- II. **The Effects of Physical Exercise on Cognitive Performance in Sedantary Adults**  
Cetin F., BAYKAL E.  
ACTA PHYSIOLOGICA, vol.215, pp.86, 2015 (Journal Indexed in SCI)
- III. **The Effects of Oxytocin on Cognitive Defect Caused by Chronic Restraint Stress Applied to Adolescent Rats and on Hippocampal VEGF and BDNF Levels**  
Dayi A., Cetin F., Sisman A. R. , Aksu I., Tas A., Gonenc S., Uysal N.  
MEDICAL SCIENCE MONITOR, vol.21, pp.69-75, 2015 (Journal Indexed in SCI)
- IV. **Transcutaneous Electrical Nerve Stimulation (TENS) Accelerates Cutaneous Wound Healing and Inhibits Pro-inflammatory Cytokines**  
Gurgen S. G. , Sayin O., Cetin F., Yucel A. T.  
INFLAMMATION, vol.37, no.3, pp.775-784, 2014 (Journal Indexed in SCI)
- V. **Melatonin Delays Brain Aging by Decreasing the Nitric Oxide Level**  
Akbulut K. G. , Guney S., Cetin F., Akgun H. N. , Aktas S. H. , Akbulut H.  
NEUROPHYSIOLOGY, vol.45, no.3, pp.187-192, 2013 (Journal Indexed in SCI)
- VI. **Combined Treatment with Progesterone and Magnesium Sulfate Positively Affects Traumatic Brain Injury in Immature Rats**  
Uysal N., Baykara B., Kiray M., Cetin F., Aksu I., Dayi A., Gurbinar T., Ozdemir D., Arda M. N.  
TURKISH NEUROSURGERY, vol.23, no.2, pp.129-137, 2013 (Journal Indexed in SCI)

- VII. **The Effect of Intracerebroventricular Injection of Beta Amyloid Peptide (1-42) on Caspase-3 Activity, Lipid Peroxidation, Nitric Oxide and NOS Expression in Young Adult and Aged Rat Brain**  
Cetin F., Yazihan N., Dincer S., Akbulut G.  
TURKISH NEUROSURGERY, vol.23, no.2, pp.144-150, 2013 (Journal Indexed in SCI)
- VIII. **A Comparison Study of Growth Factor Expression following Treatment with Transcutaneous Electrical Nerve Stimulation, Saline Solution, Povidone-Iodine, and Lavender Oil in Wounds Healing**  
Kutlu A. K. , Cecen D., Gurgen S. G. , Sayin O., Cetin F.  
EVIDENCE-BASED COMPLEMENTARY AND ALTERNATIVE MEDICINE, 2013 (Journal Indexed in SCI)
- IX. **Anxiety Caused by Traumatic Brain Injury Correlates to Decreased Prefrontal Cortex VEGF Immunoreactivity and Neuron Density in Immature Rats**  
Baykara B., Cetin F., Baykara B., Aksu I., Dayi A., Kiray M., Sisman A. R. , Ozdemir D., Arda M. N. , Uysal N.  
TURKISH NEUROSURGERY, vol.22, no.5, pp.604-610, 2012 (Journal Indexed in SCI)
- X. **Maternal treadmill exercise during pregnancy decreases anxiety and increases prefrontal cortex VEGF and BDNF levels of rat pups in early and late periods of life**  
Aksu I., Baykara B., Ozbal S., Cetin F., Sisman A. R. , Dayi A., Gencoglu C., Tas A., BUYUK E., Gonenc-Arda S., et al.  
NEUROSCIENCE LETTERS, vol.516, no.2, pp.221-225, 2012 (Journal Indexed in SCI)
- XI. **Acute footshock-stress increases spatial learning-memory and correlates to increased hippocampal BDNF and VEGF and cell numbers in adolescent male and female rats**  
Uysal N., Sisman A. R. , Dayi A., Ozbal S., Cetin F., Baykara B., Aksu I., Tas A., Cavus S. A. , Gonenc-Arda S., et al.  
NEUROSCIENCE LETTERS, vol.514, no.2, pp.141-146, 2012 (Journal Indexed in SCI)
- XII. **Systemic taurine prevents brain from lipopolysaccharide-induced lipid peroxidation in rats**  
Cetin F., Dincer S., Ay R., Guney S.  
AFRICAN JOURNAL OF PHARMACY AND PHARMACOLOGY, vol.6, no.15, pp.1099-1105, 2012 (Journal Indexed in SCI)
- XIII. **Relationship between circulating IGF-1 levels and traumatic brain injury-induced hippocampal damage and cognitive dysfunction in immature rats**  
Ozdemir D., Baykara B., Aksu I., Kiray M., Sisman A. R. , Cetin F., Dayi A., Gurpinar T., Uysal N., Arda M. N.  
NEUROSCIENCE LETTERS, vol.507, no.1, pp.84-89, 2012 (Journal Indexed in SCI)
- XIV. **Maternal Aerobic Exercise during Pregnancy Can Increase Spatial Learning by Affecting Leptin Expression on Offspring's Early and Late Period in Life Depending on Gender**  
Dayi A., Agilkaya S., Ozbal S., Cetin F., Aksu I., Gencoglu C., Cingoz S., Pekcetin C., Tugyan K., Kayatekin B. M. , et al.  
SCIENTIFIC WORLD JOURNAL, 2012 (Journal Indexed in SCI)
- XV. **The effects of intracerebroventrically administered opioid peptide receptor antagonists on exercise performance**  
Guney S., Ilhan A. S. , Cetin F., Dincer S.  
ISOKINETICS AND EXERCISE SCIENCE, vol.20, no.3, pp.205-209, 2012 (Journal Indexed in SCI)
- XVI. **Maternal exercise decreases maternal deprivation induced anxiety of pups and correlates to increased prefrontal cortex BDNF and VEGF**  
Uysal N., Sisman A. R. , Dayi A., Aksu I., Cetin F., Gencoglu C., Tas A., BUYUK E.  
NEUROSCIENCE LETTERS, vol.505, no.3, pp.273-278, 2011 (Journal Indexed in SCI)
- XVII. **The Effects of Vitamin C Administration, Acute Food Deprivation, and Acute Food Intake on Vitamin C Levels in Different Brain Areas of Guinea Pigs**  
Kaplan B., Cetin F., Elbeg S.  
INTERNATIONAL JOURNAL FOR VITAMIN AND NUTRITION RESEARCH, vol.80, no.3, pp.197-204, 2010 (Journal Indexed in SCI)
- XVIII. **The effect of a calisthenic exercise bout on oxidant and antioxidant status in middle-aged and postmenopausal women**  
Karacan S., Cetin F., Colakoglu F. F.  
ISOKINETICS AND EXERCISE SCIENCE, vol.18, no.1, pp.39-44, 2010 (Journal Indexed in SCI)
- XIX. **Development of Spatial Memory During Adolescent Period in Rats**  
Uysal N., Dayi A., Ozbal S., Cetin F., Aksu I., Yalaz G., Tugyan K., Arda S. G.

JOURNAL OF NEUROLOGICAL SCIENCES-TURKISH, vol.27, no.4, pp.407-413, 2010 (Journal Indexed in SCI)

**XX. Relationships of the Simple Reaction Time with Plasma Lipids, Athletic Performance and Body Composition in Sportsmen and Sedentaries**

Mert E., Pinar L., Koz M., Gulbahar O., Cetin F.

NEUROLOGY PSYCHIATRY AND BRAIN RESEARCH, vol.16, no.1, pp.17-22, 2009 (Journal Indexed in SCI)

**XXI. Effects of Single Administration of Intrahippocampal Amyloid Beta 1-42 on Spatial Learning and Memory, Microglia and NOS System in Rats**

Cetin F., Dincer S., Gonul I. I. , Poyraz A.

NEUROLOGY PSYCHIATRY AND BRAIN RESEARCH, vol.16, no.2, pp.41-48, 2009 (Journal Indexed in SCI)

**XXII. The effect of intrahippocampal beta amyloid (1-42) peptide injection on oxidant and antioxidant status in rat brain**

Cetin F., DINCER S.

BIOGERONTOLOGY: MECHANISMS AND INTERVENTIONS, vol.1100, pp.510-517, 2007 (Journal Indexed in SCI)

### **Refereed Congress / Symposium Publications in Proceedings**

- I. **Sağlıklı Kadınlarda Günlük Adım Sayısına Göre Maksimal Oksijen Tüketimi, Vücut Kompozisyonu, Beden Kitle İndeksi, Bel/Kalça Oranı ve Kan Basıncı Değerlerinin Karşılaştırılması**  
Çetin F., Uçmaklı M.  
7. Egzersiz Fizyolojisi Sempozyumu, Eskişehir, Turkey, 25 - 26 April 2019, pp.7
- II. **Monosodyum Glutamatın Hipokampusta Neden Olabileceği Nöronal Hasarlar ve Omega 3 Yağ Asitlerinin Koruyucu Etkisi**  
Gürgen S. G. , Yücel A. T. , Sayın O., Çetin F.  
6.Ulusal Moleküler Biyoloji ve Biyoteknoloji Kongresi, Adana, Turkey, 5 - 07 October 2017, pp.3-4
- III. **Effects of Intrahippocampal Beta Amyloid (1-42) Injection on Spatial Learning and Memory in Rats: Involvement of NO/NOS System and Microglial Activation**  
Çetin F., Gönül İ. I.  
Apoptosis World 2008 From Mechanisms to Applications, Luxembourg, Luxembourg, 23 - 26 January 2008, pp.6-7
- IV. **The Effect of Beta Amyloid Peptide (1-42) Injection on Oxidative Damage and Apoptosis in Young Adult and Aged Rat Brain.**  
Yazıhan N., Çetin F., Akbulut K. G.  
Apoptosis World 2008 From Mechanisms to Applications, Luxembourg, Luxembourg, 23 - 26 January 2008, pp.5-6
- V. **Homocysteine Status in Male Soccer and American Football Players : Possible Effect of Physical Training and Lifestyle Characteristics**  
Koz M., Çetin F., Gülbahar Ö.  
5th European Sports Medicine Congress, Praha, Czech Republic, 10 - 14 October 2007, pp.8-9
- VI. **The Effect of Calisthenic Exercise Bout on Oxidant and Antioxidant Status in Middle Aged and Postmenopausal Women**  
Çetin F., Karacan S.  
The 46th ICHPER SD Anniversary World Congress, İstanbul, Turkey, 9 - 11 November 2005, pp.22-23

### **Other Publications**

- I. **Bölüm Çevirisi: Ganong's Medical Physiology Examination & Board Review, 2019 (Uyarılabilir Doku:Kas)**  
Çetin F.  
Lecture Note, pp.77-96, 2019
- II. **Bölüm Çevirisi : Guyton&Hall Medical Physiology, 2017 (Somatik Duyular: i. Genel Organizasyonu, Dokunma ve Pozisyon Duyuları)**

Çetin F.

Lecture Note, pp.607-618, 2017

## **Memberships / Tasks in Scientific Organizations**

Türk Fizyolojik Bilimler Derneđi, Member, 2000 - Continues, Turkey

## **Citations**

Total Citations (WOS):309

h-index (WOS):11

## **Awards**

Dayı A., Özbal S., Çetin F., Aksu İ., Uysal Harzadın N., Kayatekin B. M. , En iyi poster ödülü, Türk Fizyolojik Bilimler Derneđi, 2010, Türk Fizyolojik Bilimler Derneđi, 2010, November 2010