

Assoc. Prof. FERİHAN ÇETİN

Personal Information

Email: ferihan.cetin@medeniyet.edu.tr

International Researcher IDs

ORCID: 0000-0003-1852-4622

Education Information

Doctorate, Gazi University, 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

Postgraduate, 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, University Of Higher Specialization, School Of Medicine, Department Of Basic Medical Sciences (Medicine), 2016 - 2017

Research Assistant PhD, Dokuz Eylul University, Tıp Fakültesi, Temel Bilimler, 2007 - 2012

Research Assistant, Gazi University, 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, Postgraduate, 2018 - 2019

Boşaltım Fizyolojisi, Doctorate, 2019 - 2020

Postgraduate, 2018 - 2019

Fizyoloji, Undergraduate, 2019 - 2020

Fizyoloji, Associate Degree, 2019 - 2020
Boşaltım Fizyolojisi, Undergraduate, 2018 - 2019
Kas ve Periferik Sinir Sistemi, Undergraduate, 2018 - 2019
Dolaşım Fizyolojisi, Undergraduate, 2019 - 2020
Endokrinoloji, Undergraduate, 2018 - 2019
Kalp Fizyolojisi, Doctorate, 2018 - 2019
Solunum Sistemi Fizyolojisi, Undergraduate, 2018 - 2019
Merkezi Sinir Sistemi Fizyolojisi, Undergraduate, 2018 - 2019
Kalp Fizyolojisi, Undergraduate, 2018 - 2019

Advising Theses

Çetin F., SEREBRAL PALSİLİ ÇOCUKLARDA OSTEOPATİK MANİPULATİF UYGULAMANIN KONSTİPASYON VE POSTÜR ÜZERİNE ETKİSİ, Postgraduate, 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, Postgraduate, 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

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The Effect of Monosodium Glutamate on Neuronal Signaling Molecules in the Hippocampus and the Neuroprotective Effects of Omega-3 Fatty Acids**
GÜRGEN S. G. , SAYIN O., Cetin F., Sarsmaz H. Y. , YAZICI G. N. , Umur N., YÜCEL A. T.
ACS CHEMICAL NEUROSCIENCE, vol.12, no.16, pp.3028-3037, 2021 (Peer-Reviewed Journal)
- II. **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.**
Kılıc O., Kalcioğlu M. T. , Cag Y., Tuysuz O., Pektas 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 (Peer-Reviewed Journal)
- III. **The Effects of Physical Exercise on Cognitive Performance in Sedentary Adults**
Cetin F., BAYKAL E.
ACTA PHYSIOLOGICA, vol.215, pp.86, 2015 (Peer-Reviewed Journal)
- IV. **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 (Peer-Reviewed Journal)
- V. **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 (Peer-Reviewed Journal)

- VI. **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 (Peer-Reviewed Journal)
- VII. **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., Gurpinar T., Ozdemir D., Arda M. N.
TURKISH NEUROSURGERY, vol.23, no.2, pp.129-137, 2013 (Peer-Reviewed Journal)
- VIII. **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 (Peer-Reviewed Journal)
- IX. **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 (Peer-Reviewed Journal)
- X. **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 (Peer-Reviewed Journal)
- XI. **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 (Peer-Reviewed Journal)
- XII. **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 (Peer-Reviewed Journal)
- XIII. **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 (Peer-Reviewed Journal)
- XIV. **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 (Peer-Reviewed Journal)
- XV. **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 (Peer-Reviewed Journal)
- XVI. **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 (Peer-Reviewed Journal)
- XVII. **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 (Peer-Reviewed Journal)
- XVIII. **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 (Peer-

Reviewed Journal)

- 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 (Peer-Reviewed Journal)
- XX. **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 (Peer-Reviewed Journal)
- XXI. **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 (Peer-Reviewed Journal)
- XXII. **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 (Peer-Reviewed Journal)
- XXIII. **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 (Peer-Reviewed Journal)

Articles Published in Other Journals

- I. **Sıçanlarda Gebelik Süresince Yeşil Çay Tüketiminin Maternal ve Neonatal Hepatositlerde Sitokeratin-18 Üzerindeki Etkisi**
Sayın O., Gürgen S. G., Çetin F., Tuç Yücel A., İldan Çalım S.
Anadolu Kliniği Tıp Bilimleri Dergisi, vol.26, no.3, pp.233-238, 2021 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **The effect of osteopathic manipulative application on posture in children with cerebral palsy**
Turan C., Çetin F.
3.International Congress of Multidisciplinary Studies in Medical Sciences, Ankara, Turkey, 17 August 2021, pp.115-122
- II. **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
- III. **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
- IV. **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
- V. **The Effect of Beta Amyloid Peptide (1-42) Injection on Oxidative Damage and Apoptosis in Young Adult and Aged Rat Brain.**
Yazihan N., Çetin F., Akbulut K. G.

Apoptosis World 2008 From Mechanisms to Applications, Luxembourg, Luxembourg, 23 - 26 January 2008, pp.5-6

VI. 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

VII. 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. Somatik Duyular: i. Genel Organizasyonu, Dokunma ve Pozisyon Duyuları

Çetin F.

Lecture Note, pp.599-611, 2021

II. Bölüm Çevirisi: Ganong's Medical Physiology Examination & Board Review, 2019 (Uyarılabilir Doku:Kas)

Çetin F.

Lecture Note, pp.77-96, 2019

III. 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 Derneği, Member, 2000 - Continues, Turkey

Metrics

Publication: 34

Citation (WoS): 361

Citation (Scopus): 393

H-Index (WoS): 11

H-Index (Scopus): 12

Awards

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