

Prof. ATAÇ SÖNMEZ

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Dokuz Eylul University, Sağlık Bilimleri Enstitüsü, Fizyoloji (Dr), Turkey 1998 - 2003

Undergraduate, Erciyes University, Tıp Fakültesi, Tıp Pr., Turkey 1985 - 1993

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Sıçan beyninde CREB1 ve CREB2 proteini düzeyinde yaş artışı ile oluşan değişimlerin immünohistokimyasal yöntemle analizi ve bellek bozulmaları ile ilişkisi, Dokuz Eylul University, Sağlık Bilimleri Enstitüsü, Fizyoloji (Dr), 2003

Research Areas

Human Physiology

Academic Titles / Tasks

Professor, Dokuz Eylul University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2015 - Continues

Associate Professor, Dokuz Eylul University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2010 - 2015

Academic and Administrative Experience

Deputy Chief Physician, Dokuz Eylul University, Uygulama ve Araştırma Hastanesi, 2010 - 2015

Advising Theses

SÖNMEZ A., The research of relation between the effect of niacin in spatial learning ability and the expression of glut4 in

prefrontal cortex, hippocampus and amigdala in sprague dawley rats, Expertise In Medicine, H.KARA(Student), 2019
SÖNMEZ A., The evaluation of the effect of the use of acute single dose mk-801 on administrative document and cognitive behavior after the experimental head trauma model applied in immathy rats, Expertise In Medicine, A.ÇİĞEL(Student), 2019

Jury Memberships

Associate Professor Exam, Associate Professor Exam, Dokuz Eylul University, March, 2023
Associate Professor Exam, Associate Professor Exam, Dokuz Eylul University, March, 2023
Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, İstanbul Üniversitesi-Cerrahpaşa, February, 2023
Associate Professor Exam, Associate Professor Exam, Dokuz Eylul University, October, 2022
Associate Professor Exam, Associate Professor Exam, Dokuz Eylül Üniversitesi, October, 2022
Associate Professor Exam, Associate Professor Exam, Dokuz Eylul University, March, 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Long term neuroprotective effects of acute single dose MK-801 treatment against traumatic brain injury in immature rats**
Cigel A., Sayın O., Gürgen S. G., Sönmez A.
NEUROPEPTIDES, vol.88, 2021 (SCI-Expanded)
- II. **Topiramate and darbepoetin alpha ameliorate bilirubin-induced neurons cell damage**
Baysal B., Tuzun F., Yucesoy E., Ozbal S., Ergur B. U., Sonmez A., Olgun Y., Kirkim G., Evin H., Duman N., et al.
EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES, no.9, pp.3585-3593, 2021 (SCI-Expanded)
- III. **Neuroprotective effects of MK-801 against traumatic brain injury in immature rats**
SÖNMEZ A., SAYIN O., Gürgen S. G., Çalışır M.
Neuroscience Letters, vol.597, pp.137-142, 2015 (SCI-Expanded)
- IV. **The protective effects of carnosine in alcohol-induced hepatic injury in rats**
BAYKARA B., Micili S. C., Tugyan K., Tekmen I., BAĞRIYANIK H. A., Sonmez U., Sonmez A., Oktay G., Yener N., ÖZBAL S.
TOXICOLOGY AND INDUSTRIAL HEALTH, vol.30, no.1, pp.25-32, 2014 (SCI-Expanded)
- V. **Research Into The Acute Effects of Resveratrol on The Traumatic Brain Injury Model in Immatur Rats**
CANKURT Ü., ÖZBAL S., Tekmen I., ERBİL G., SÖNMEZ A., ÖZOĞUL C.
JOURNAL OF NEUROLOGICAL SCIENCES-TURKISH, vol.30, no.4, pp.731-739, 2013 (SCI-Expanded)
- VI. **THERAPEUTIC EFFECT OF ERYTHROPOIETIN IN AN EXPERIMENTAL IN VIVO ALZHEIMER'S DISEASE ANIMAL MODEL MODERATED BY D-GALACTOSE INJECTION AT OVARIECTOMIZED RATS**
Sahim O., Vurgun U., Yılmaz O., Sönmez A., Dayı A., Yener G., Genç Ş.
TURKISH JOURNAL OF GERIATRICS-TURK GERIATRI DERGISI, vol.13, no.3, pp.145-149, 2010 (SCI-Expanded)
- VII. **Erythropoietin attenuates neuronal injury and potentiates the expression of pCREB in anterior horn after transient spinal cord ischemia in rats**
Sonmez A., Kabakci B., Vardar E., Gurel D., Sonmez Ü., Orhan Y. T., Acikel U., Gokmen N.
SURGICAL NEUROLOGY, vol.68, no.3, pp.297-303, 2007 (SCI-Expanded)
- VIII. **Neuroprotective effects of resveratrol against traumatic brain injury in immature rats**
Sonmez Ü., Sonmez A., Erbil G., Tekmen I., Baykara B.
NEUROSCIENCE LETTERS, vol.420, no.2, pp.133-137, 2007 (SCI-Expanded)
- IX. **Protective effect of melatonin against maternal deprivation-induced acute hippocampal damage in infant rats**

Tugyan K., Uysal Harzadin N., Ozdemir D., Sonmez Ü., Pekcetin Ç., Erbil G., Sonmez A.
NEUROSCIENCE LETTERS, vol.398, no.1-2, pp.145-150, 2006 (SCI-Expanded)

- X. **Protective effect of melatonin against head trauma-induced hippocampal damage and spatial memory deficits in immature rats**
Ozdemir D., Tugyan K., UYSAL HARZADIN N., Sonmez Ü., Sonmez A., Acikgoz O., Ozdemir N., Duman M., ÖZKAN H.
NEUROSCIENCE LETTERS, vol.385, no.3, pp.234-239, 2005 (SCI-Expanded)
- XI. **Age-dependent effects of maternal deprivation on oxidative stress in infant rat brain**
UYSAL HARZADIN N., Gonenc S., Acikgoz O., Petcetin Ç., Kayatekin B. M., Sonmez A., Semin I.
NEUROSCIENCE LETTERS, vol.384, no.1-2, pp.98-101, 2005 (SCI-Expanded)
- XII. **Early protective effects of iloprost, a stable prostacyclin analog, during spinal cord ischemia in a rabbit model**
Silistreli E. E., Kabakci B., Yilmaz E., Sonmez A., Erdal C., Karabay O., Catalyurek H. H., Canda S., Acikel U.
HEART AND VESSELS, vol.20, no.2, pp.66-71, 2005 (SCI-Expanded)
- XIII. **Effects of acute footshock stress on antioxidant enzyme activities in the adolescent rat brain**
UYSAL HARZADIN N., Acikgoz O., Gonenc S., Kayatekin B. M., Kiray M., Sonmez A., Semin I.
PHYSIOLOGICAL RESEARCH, vol.54, no.4, pp.437-442, 2005 (SCI-Expanded)
- XIV. **Effects of melatonin on oxidative stress and spatial memory impairment induced by acute ethanol treatment in rats**
Gonenc S., UYSAL HARZADIN N., Acikgoz O., Kayatekin B. M., Sonmez A., Kiray M., Aksu İ., Gulecer B., Topcu A., Semin I.
PHYSIOLOGICAL RESEARCH, vol.54, no.3, pp.341-348, 2005 (SCI-Expanded)
- XV. **Effect of melatonin on brain oxidative damage induced by traumatic brain injury in immature rats**
Ozdemir D., UYSAL HARZADIN N., Gonenc S., AÇIKGÖZ O., Sonmez A., Topcu A., Ozdemir N., DUMAN M., Semin I., ÖZKAN H.
PHYSIOLOGICAL RESEARCH, vol.54, no.6, pp.631-637, 2005 (SCI-Expanded)
- XVI. **Erythropoietin increases glutathione peroxidase enzyme activity and decreases lipid peroxidation levels in hypoxic-ischemic brain injury in neonatal rats**
Kumral A., Gonenc S., Acikgoz O., Sonmez A., Genc K., Yilmaz O., Gokmen N., Duman N., ÖZKAN H.
BIOLOGY OF THE NEONATE, vol.87, no.1, pp.15-18, 2005 (SCI-Expanded)
- XVII. **Erythropoietin improves long-term spatial memory deficits and brain injury following neonatal hypoxia-ischemia in rats**
Kumral A., UYSAL HARZADIN N., Tugyan K., Sonmez A., Yilmaz O., Gokmen N., Kiray M., Genc Ş., Duman N., Koroglu T., et al.
BEHAVIOURAL BRAIN RESEARCH, vol.153, no.1, pp.77-86, 2004 (SCI-Expanded)
- XVIII. **Positive effects of deprenyl and estradiol on spatial memory and oxidant stress in aged female rat brains**
Kiray M., UYSAL HARZADIN N., Sonmez A., Acikgoz O., Gonenc S.
NEUROSCIENCE LETTERS, vol.354, no.3, pp.225-228, 2004 (SCI-Expanded)
- XIX. **Methamphetamine induces oligodendroglial cell death in vitro**
Genc K., Genc Ş., Kizildag S., Sonmez Ü., Yilmaz O., Tugyan K., Ergur B., Sonmez A., Buldan Z.
BRAIN RESEARCH, vol.982, no.1, pp.125-130, 2003 (SCI-Expanded)

Articles Published in Other Journals

- I. **Adölesan sıçan beyninde antioksidan enzim aktiviteleri ve lipid peroksidasyon düzeyleri**
Uysal Harzadin N., Gönenc Arda S., Sönmez A., Aksu İ., Topçu A., Kayatekin B. M., Açıkgoz O.
Ege Tıp Dergisi, vol.44, no.2, pp.75-79, 2005 (Peer-Reviewed Journal)
- II. **Comparison of the effects of midazolam and propofol on adrenaline-induced arrhythmias in rats**
Siçanlarda Adrenalin ile İndüklenen Aritmi Üzerine Midazolam ve Propofolün Etkilerinin Karşılaştırılması

Zeydan F., HEPAĞUŞLAR H., SÖNMEZ A., KAR A. A., Elar Z.

Gogus-Kalp-Damar Anestezi ve Yogun Bakim Dernegi Dergisi, vol.10, no.1, pp.4-11, 2004 (Scopus)

III. Effect of sprint exercise on lipid peroxidation levels in mouse skeletal muscle

Kayatekin B. M., Açıkgöz O., Gönenç Arda S., Uysal Harzadın N., Sönmez A.

Spor Hekimliği Dergisi, vol.35, no.2, pp.59-64, 2000 (Peer-Reviewed Journal)

Supported Projects

SÖNMEZ A., Project Supported by Higher Education Institutions, Sprague Dawley Sıçanlarda Niasin'in Spasyal Belleğe Etkisinin Hipokampus, Prefrontal Korteks ve Amigdaladaki GLUT4 ekspresyonu ile ilişkisinin Araştırılması, 2019 - 2021

SÖNMEZ A., Project Supported by Higher Education Institutions, D-Galaktoz ile Oluşturulan Yaşlılık Modelinde Resveratrolün Bilişsel Fonksiyonlar ve Nörogenesis Üzerine Etkilerinin Araştırılması, 2007 - 2009

Metrics

Publication: 36

Citation (WoS): 745

Citation (Scopus): 827

H-Index (WoS): 13

H-Index (Scopus): 13