

## Assoc. Prof. ZAFER ŞAHİN

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: ABD-5367-2020

ScopusID: 56351486100

Yoksis Researcher ID: 148882

### Education Information

Doctorate, Fırat University, School Of Medicine, Fizyoloji Anabilim Dalı, Turkey 2009 - 2015

Postgraduate, Fırat University, School Of Medicine, Fizyoloji Anabilim Dalı, Turkey 2003 - 2006

Undergraduate, Fırat University, Faculty Of Veterinary Medicine, Turkey 1997 - 2003

### Certificates, Courses and Trainings

Health&Medicine, Probleme Dayalı Öğrenme (PDÖ) Kursu, Karadeniz Teknik Üniversitesi Tıp Fakültesi Dekanlığı, 2019

Health&Medicine, Tıp Fakültesi Eğitici Eğitimi Kursu (Müfredat Geliştirme, Öğrenme, Eğitim, Ölçme ve Değerlendirme Yöntemleri), Karadeniz Teknik Üniversitesi Tıp Fakültesi Dekanlığı, 2019

Health&Medicine, Leica SP8 Lazer Taramalı Konfokal Mikroskop Temel Kullanıcı Eğitimi, Karadeniz Teknik Üniversitesi Tıp Fakültesi Tıbbi Biyoloji Anabilim Dalı, 2019

Health&Medicine, Klinik Araştırmalarda Etik Yaklaşım Kursu, Necmettin Erbakan Üniversitesi Meram Tıp Fakültesi, 2015

Health&Medicine, TÜBİTAK 2237-Sağlık Bilimleri Alanında TÜBİTAK için Araştırma Proje Önerisi Hazırlama ve Yürütme Uygulamalı Eğitimi, Fırat Üniversitesi Tıp Fakültesi Fizyoloji Anabilim Dalı, 2014

Health&Medicine, Farelerde Embriyo Manipülasyonları ve Transgenik Fare Üretiminde Kullanılan Yöntemler Uygulamalı Eğitimi, TÜBİTAK Marmara Araştırma Merkezi Gen Mühendisliği ve Biyoteknoloji Enstitüsü, 2013

Health&Medicine, İyi Biyoistatistik Uygulama Kursu, Fırat Üniversitesi Sürekli Eğitim Merkezi (FÜSEM), 2013

Health&Medicine, Moleküler Biyoloji Yöntemleri Uygulamalı Eğitimi, TÜBİTAK Marmara Araştırma Merkezi Gen Mühendisliği ve Biyoteknoloji Enstitüsü, İmmünogenetik Laboratuvarı, 2010

Health&Medicine, Elektrofizyoloji Kursu, Yeditepe Üniversitesi, İstanbul, 2010

Health&Medicine, Deney Hayvanları Kullanım Sertifikası Eğitim Programı, Deney Hayvanları Kullanım Sertifikası Eğitim Programı, Fırat Üniversitesi Hayvan Deneyleri Etik Kurulu (FÜHADEK), 2008

Health&Medicine, Nöropsikofizyolojide Deneysel Teknikler Kursu, Türk Fizyolojik Bilimler Derneği (TFBD) ve Gaziantep Üniversitesi Tıp Fakültesi Fizyoloji Anabilim Dalı, 2005

### Dissertations

## **DISSERTATIONS**

Doctorate, Puberte ve üremenin nöroendokrin kontrolünde kisspeptin, RFRP-3 ve Nesfatin-1'in etkileşimi üzerine deneysel arařtırmalar, Fırat University, Saęlık Bilimleri Enstitüsü, Tıp Fizyoloji Anabilim Dalı, 2015

Postgraduate, Melatoninin sıçan timus hücre kültürlerinde Th1/Th2 dengesi üzerine etkileri, Fırat University, Saęlık Bilimleri Enstitüsü, Tıp Fizyoloji Anabilim Dalı, 2006

## **Research Areas**

Medicine, Health Sciences, Fundamental Medical Sciences, Human Physiology

## **Academic Titles / Tasks**

Associate Professor, Karadeniz Technical University, Tıp Fakültesi, Temel Tıp, 2020 - Continues

Assistant Professor, Karadeniz Technical University, Tıp Fakültesi, Temel Tıp, 2018 - 2020

Assistant Professor, Necmettin Erbakan University, Faculty Of Health Sciences, Sbf, 2015 - 2018

Lecturer, Bitlis Eren University, Health Academy, Syo, 2009 - 2014

## **Academic and Administrative Experience**

Eęitim ve Müfredat Kurulu üyesi, Karadeniz Technical University, Tıp Fakültesi, Temel Tıp, 2019 - Continues

Bölüm Akademik Teşvik Deęerlendirme Komisyonu Üyesi, Necmettin Erbakan University, Faculty Of Health Sciences, Department Of Physical Therapy And Rehabilitation, 2016 - 2018

Davranış Laboratuvarları Koordinatörü, Necmettin Erbakan University, Experimental Medicine Application And Research Center, 2015 - 2018

Head of Department, Bitlis Eren University, Health Academy, Department Of Physical Therapy And Rehabilitation, 2009 - 2010

Laboratuvar , Fırat University, Experimental Studies Center, 2005 - 2009

## **Courses**

Fizyoloji-II, Undergraduate, 2023 - 2024

Fizyoloji-I, Undergraduate, 2023 - 2024

Endokrin ve Ürogenital Sistemler Kurulu (III. Kurul), Undergraduate, 2023 - 2024

Fizyoloji, Undergraduate, 2021 - 2022

Endokrin Ve Üreme Fizyolojisi , Doctorate, 2021 - 2022

Fizyoloji-I, Undergraduate, 2022 - 2023

İleri Sinir Fizyolojisi - I , Doctorate, 2021 - 2022

Merkezi Sinir Sistemi Kurulu (IV. Kurul), Undergraduate, 2019 - 2020

Kan Fizyolojisi , Postgraduate, 2019 - 2020

Fizyoloji-II, Undergraduate, 2019 - 2020

## **Advising Theses**

Şahin Z., Sirkadiyen ritmin beyin felci sonrası gelişen hasar üzerine etkisi, Postgraduate, M.Çaęlar(Student), 2018

## **Jury Memberships**

Doctoral Examination, Doctoral Examination, Karadeniz Teknik Üniversitesi, September, 2024  
Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Karadeniz Teknik Üniversitesi, September, 2024  
Doctoral Examination, Doctoral Examination, Karadeniz Teknik Üniversitesi, September, 2024  
Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Karadeniz Teknik Üniversitesi, July, 2024  
Doctoral Examination, Doctoral Examination, Karadeniz Teknik Üniversitesi, February, 2024  
Doctoral Examination, Doctoral Examination, Karadeniz Teknik Üniversitesi, February, 2024  
Doctoral Examination, Doctoral Examination, Karadeniz Teknik Üniversitesi, February, 2024  
Doctoral Examination, Doctoral Examination, Karadeniz Teknik Üniversitesi, February, 2022  
Doctoral Examination, Doctoral Examination, Karadeniz Teknik Üniversitesi, February, 2022  
Doctoral Examination, Doctoral Examination, Fırat Üniversitesi, December, 2021  
Doctoral Examination, Doctoral Examination, Karadeniz Teknik Üniversitesi, September, 2021  
Doctoral Examination, Doctoral Examination, Karadeniz Teknik Üniversitesi, September, 2021  
Doctoral Examination, Doctoral Examination, Karadeniz Teknik Üniversitesi, September, 2021  
Doctoral Examination, Doctoral Examination, Fırat Üniversitesi, March, 2021  
Academic Staff Examination, Academic Staff Examination, Karadeniz Teknik Üniversitesi, March, 2020  
Post Graduate, Post Graduate, Karadeniz Teknik Üniversitesi, June, 2019  
Post Graduate, Post Graduate, Karadeniz Teknik Üniversitesi, June, 2019  
Post Graduate, Post Graduate, Karadeniz Teknik Üniversitesi, June, 2019  
Post Graduate, Post Graduate, Necmettin Erbakan Üniversitesi, January, 2018  
Doctoral Examination, Doctoral Examination, Necmettin Erbakan Üniversitesi, June, 2017  
Doctorate, Doctorate, Necmettin Erbakan Üniversitesi, May, 2017  
Post Graduate, Post Graduate, Necmettin Erbakan Üniversitesi, February, 2017

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

- I. **Investigation of effect peripheral kisspeptin treatment on hypothalamo-pituitary-gonadal axis and hypothalamo-pituitary-adrenal axis in male rats**  
Sahin Z., Aktas O., Kalkan Ö. F., Cuce G., Alver A., Sahin E., Erdem S., Saglam N., Solak Gormus Z. I., Kutlu S.  
BIOLOGIA FUTURA, 2024 (SCI-Expanded)
- II. **Alarin potentiates ongoing epileptiform activity in rat brain slices: an in vitro electrophysiological study**  
KALKAN Ö. F., ÖZTÜRK H., ŞAHİN Z., BAŞOĞLU H., Abidin S. A., ABİDİN İ.  
Acta Neurobiologiae Experimentalis, vol.84, no.1, pp.35-42, 2024 (SCI-Expanded)
- III. **Intracerebroventricular injection of kisspeptin in male rats activates hypothalamo-pituitary-gonadal axis, but not hypothalamo-pituitary-adrenal axis**  
Sahin Z., Aktas O., Kalkan Ö. F., Cuce G., Alver A., Şahin E., Erdem Ş., Saglam N., Gormus Z. I. S., Kutlu S.  
JOURNAL OF RECEPTORS AND SIGNAL TRANSDUCTION, vol.44, no.1, pp.19-26, 2024 (SCI-Expanded)
- IV. **Peripheral nesfatin-1 reduces basal brain activity but has limited effect on epilepsy-like conditions**  
Faruk Kalkan Ö. F., Aktaş O., Şahin Z., Aydın Abidin S., Yıldırım A., Faruk Özyaşar A., Uzun İ., Abidin İ.  
GENERAL PHYSIOLOGY AND BIOPHYSICS, vol.2024, no.5, pp.457-467, 2024 (SCI-Expanded)
- V. **Investigation of Some Nutrition-related Neuropeptide Expressions in Hypothalamus Tissues of Offspring Exposed to Maternal Depression and Sertraline Treatment.**  
SOLAK H., Koca R. O., Gunes C. E., UĞUZ F., AK M., ŞAHİN Z., KURAR E., KUTLU S.  
ACTA PHYSIOLOGICA, pp.59, 2023 (SCI-Expanded)
- VI. **Agomelatine attenuates cisplatin-induced cognitive impairment via modulation of BDNF/TrkB signaling in rat hippocampus.**  
Saraç S., Topçu A., Alkanat M., Mercantepe T., Şahin Z., Akyıldız K., Karataş K. S., Yıldız L., Tümkaya L., Yazıcı Z. A.  
Journal of chemical neuroanatomy, vol.130, pp.102269, 2023 (SCI-Expanded)

- VII. **Percentages of serum, liver and adipose tissue fatty acids and body weight are affected in female rats by long-term Central kisspeptin treatments.**  
Sahin Z., Ozcan M., Ozkaya A., Canpolat S., Kutlu S., Kelestimur H.  
Archives of physiology and biochemistry, vol.129, no.2, pp.307-315, 2023 (SCI-Expanded)
- VIII. **Does irisin has neuroprotective effect against diabetes induced neuropathy in male rats?**  
Kalkan Ö. F., Aktaş O., Sürmeneli Y., Alver A., Özcan M., Şahin Z.  
ARCHIVES OF PHYSIOLOGY AND BIOCHEMISTRY, vol.129, no.2, pp.439-448, 2023 (SCI-Expanded)
- IX. **Chronic immobilization stress induces anxiety-related behaviors and affects brain essential minerals in male rats**  
Sahin Z., Ozkurkculer A., Kalkan Ö. F., Ozkaya A., Koc A., Koca R., Solak H., Gormus Z., Kutlu S.  
INTERNATIONAL JOURNAL FOR VITAMIN AND NUTRITION RESEARCH, vol.92, no.5-6, pp.349-356, 2022 (SCI-Expanded)
- X. **Crosstalk between kisspeptin and gonadotropin-inhibitory hormone in the silence of puberty: preclinical evidence from a calcium signaling study**  
Bulut F., Kacar E., Bilgin B., Hekim M. G., Keleştemur M. M., ŞAHİN Z., AYAR A., Ozcan M.  
Journal of Receptors and Signal Transduction, vol.42, no.6, pp.608-613, 2022 (SCI-Expanded)
- XI. **Evaluation of Apoptosis Pathway of Geraniol on Ishikawa Cells**  
Kuzu B., Cüce G., Ayan İ., Gültekin B., Canbaz H., Dursun H., Şahin Z., Keskin İ., Kalkan S.  
NUTRITION AND CANCER-AN INTERNATIONAL JOURNAL, vol.73, no.11-12, pp.2532-2537, 2021 (SCI-Expanded)
- XII. **Phoenixin-14 reduces the frequency of interictal-like events in mice brain slices**  
KALKAN Ö. F., ŞAHİN Z., ÖZTÜRK H., KESER H., ABİDİN S., ABİDİN İ.  
EXPERIMENTAL BRAIN RESEARCH, vol.239, no.9, pp.2841-2849, 2021 (SCI-Expanded)
- XIII. **Hypothalamic Expressions of Apelin, Apelin Receptor and Neuritine in the First Generation Rat Pups: A Maternal Depression Model**  
Kurar E., Gunes C. E., Koca R. O., Solak H., Koc A., ŞAHİN Z., Cuce G., Uguz F., Ak M., Kutlu S.  
NEUROENDOCRINOLOGY, vol.111, no.SUPPL 1, pp.53-54, 2021 (SCI-Expanded)
- XIV. **Investigation of Effects of Two Chronic Stress Protocols on Depression-Like Behaviors and Brain Mineral Levels in Female Rats: an Evaluation of 7-Day Immobilization Stress.**  
Sahin Z., Ozkurkculer A., Kalkan Ö. F., Ozkaya A., Koc A., Koca R. Ö., Solak H., Görmüş Z. I. S., Kutlu S.  
Biological trace element research, vol.199, pp.660-667, 2021 (SCI-Expanded)
- XV. **Kisspeptin and RF9 prevent paroxetine-induced changes in some parameters of seminal vesicle fluid in the male rats**  
Bulmuş F. G., Canpolat S., Şahin Z., Bulmuş Ö., Serhatlıoğlu İ., Keleştimur H.  
ANDROLOGIA, vol.52, no.4, 2020 (SCI-Expanded)
- XVI. **RF9: May it be a new therapeutic option for hypogonadotropic hypogonadism?**  
Sahin Z., Kelestimur H.  
Medical hypotheses, vol.128, pp.54-57, 2019 (SCI-Expanded)
- XVII. **Evaluation of the effects of Cyclotrichium niveum on brain acetylcholinesterase activity and oxidative stress in male rats orally exposed to lead acetate.**  
Sahin Z., Ozkaya A. K., Uckun M., Yologlu E., Kuzu M., Comaklı V., Demirdag R., Tel A., Aymelek F., Yologlu S.  
Cellular and molecular biology (Noisy-le-Grand, France), vol.65, pp.3-8, 2019 (SCI-Expanded)
- XVIII. **Long-term metabolic cage housing increases anxiety/depression-related behaviours in adult male rats**  
Şahin Z., Solak H., Koc A., Koca R. Ö., Ozkurkculer A., Cakan P., Görmüş Z. I. S., Kutlu S., Keleştimur H.  
ARCHIVES OF PHYSIOLOGY AND BIOCHEMISTRY, vol.125, no.2, pp.122-127, 2019 (SCI-Expanded)
- XIX. **Time-of-Day Dependent Neuronal Injury After Ischemic Stroke: Implication of Circadian Clock Transcriptional Factor Bmal1 and Survival Kinase AKT**  
Beker M. C., Caglayan A. B., Yalcin E., Caglayan A. B., Turkseven S., Gurel B., Kelestemur T., Sertel E., Sahin Z., Kutlu S., et al.  
MOLECULAR NEUROBIOLOGY, vol.55, no.3, pp.2565-2576, 2018 (SCI-Expanded)
- XX. **Role of geraniol against lead acetate-mediated hepatic damage and their interaction with liver**

**carboxylesterase activity in rats.**

Özkaya A., Sahin Z., Kuzu M., Saglam Y., Ozkaraca M., Uckun M., Yologlu E., Comaklı V., Demirdag R., Yologlu S.  
Archives of physiology and biochemistry, vol.124, pp.80-87, 2018 (SCI-Expanded)

- XXI. **Pinealectomy alters IFN-gamma and IL-10 levels in primary thymocyte culture of rats**  
Şahin Z., Sandal S., Yilmaz B., Bulmus O., Ozdemir G., Kutlu S., Gödekmerdan A., Kelestimur H.  
CELLULAR AND MOLECULAR BIOLOGY, vol.64, no.14, pp.25-30, 2018 (SCI-Expanded)
- XXII. **Evaluation of Effects of Three Distinct Stress Protocols on Depression and/or Anxiety-like Behaviors in Female Rats**  
Sahin Z., Koc A., Koca R. O., Solak H., Ozkurkculer A., Gormus Z. I. S., Kutlu S.  
ACTA PHYSIOLOGICA, vol.221, pp.76-77, 2017 (SCI-Expanded)
- XXIII. **Investigation of the effect of naringenin on oxidative stress-related alterations in testis of hydrogen peroxide-administered rats**  
Sahin Z., Ozkaya A., Cuce G., Uckun M., Yologlu E.  
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, vol.31, no.9, 2017 (SCI-Expanded)
- XXIV. **Effects of Sertraline in Healthy and Damaged Rat Aorta**  
Koc A., Gormus Z. I. S., Solak H., Koca R. O., Sahin Z., Gormus N., Kutlu S.  
ACTA PHYSIOLOGICA, vol.221, pp.216, 2017 (SCI-Expanded)
- XXV. **Does Phosphodiesterase Inhibiting Agent-Milrinone Prevent Negative Inotropic Effects of Sertraline on Postoperative Human Heart Muscle Contractility? An In Vitro Experimental Study**  
Gormus Z., Koca R. O., Koc A., Solak H., Ozdemir A., Sahin Z., Kutlu S., Gormus N.  
ACTA PHYSIOLOGICA, vol.221, pp.44, 2017 (SCI-Expanded)
- XXVI. **Investigation of Effects of Dimethyl Sulphoxide on Smooth Muscle Contractions in Rat Tissues in Isolated Organ Baths**  
Solak H., Taki F. N., Koc A., Koca R. O., Gormus Z. I. S., Sahin Z., Kutlu S.  
ACTA PHYSIOLOGICA, vol.221, pp.120, 2017 (SCI-Expanded)
- XXVII. **The Effect of Phenoxybenzamine to Decreased Heart Muscle Contractility After in vitro Constituted Ischemia**  
Gormus Z., Solak H., Koca R. O., Sahin Z., Kutlu S., Gormus N.  
ACTA PHYSIOLOGICA, vol.218, pp.15, 2016 (SCI-Expanded)
- XXVIII. **Effect of Intravenous Glucose Administration on Catecholamine Concentrations in Hypothalamic Ventromedial Nucleus in Rats: A Microdialysis Study**  
Solak H., Koca R. O., Gormus Z. I. S., Sahin Z., Koc A., Karabrahimoglu A., Kutlu S.  
ACTA PHYSIOLOGICA, vol.218, pp.48-49, 2016 (SCI-Expanded)
- XXIX. **Nesfatin-1 may Interfere with Kisspeptin/kiss1 Systemin Gonadal Activity of Female Rats**  
Sahin Z., Cuce G., Ozcan M., Canpolat S., Gormus Z. I. S., Kutlu S., Kelestimur H.  
ACTA PHYSIOLOGICA, vol.218, pp.25, 2016 (SCI-Expanded)
- XXX. **Effects of Phenoxybenzamine after Hypothermic and Normothermic Ischemia Injury in Rat Aorta**  
Gormus I. S., Koca R. O., Solak H., Sahin Z., Karabrahimoglu A., Gormus N., Kutlu S.  
ACTA PHYSIOLOGICA, vol.218, pp.28, 2016 (SCI-Expanded)
- XXXI. **Effect of RFRP-3 on Anxiety-like Behaviour and Hippocampal Neurogenesis in Rats**  
Boyukcam Y., Sahin Z., Koc A., Eroglu C., Gormus I. S., Kurar E., Kutlu S.  
ACTA PHYSIOLOGICA, vol.218, pp.22, 2016 (SCI-Expanded)
- XXXII. **Effects of Naringenin on Oxidative Stress and Histopathological Changes in the Liver of Lead Acetate Administered Rats**  
Ozkaya A., Sahin Z., Dag U., Özkaraca M.  
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, vol.30, no.5, pp.243-248, 2016 (SCI-Expanded)
- XXXIII. **Studies on the reproductive effects of chronic treatment with agomelatine in the rat**  
Canpolat S., Ulker N., Yardimci A., Bulmus O., Ozdemir G., Sahin Z., Ercan Z., Serhatlioglu I., Kacar E., Ozcan M., et al.  
EUROPEAN JOURNAL OF PHARMACOLOGY, vol.770, pp.33-39, 2016 (SCI-Expanded)
- XXXIV. **Effect of kisspeptin on calcium signalling in cultured rHypoE-8 cell line**  
Kutlu S., Ozdemir G., Sahin Z., Ozcan M., Canpolat S., Kelestimur H.

- ACTA PHYSIOLOGICA, vol.215, pp.114, 2015 (SCI-Expanded)
- XXXV. **Investigation of Effect of Intravenous Glucose Administration on Noradrenaline Levels in Lateral Hypothalamic Area by using Microdialysis Method in Rat**  
Solak H., Koca R. O., Gormus Z. I. S., Sahin Z., Koc A., Kutlu S.  
ACTA PHYSIOLOGICA, vol.215, pp.27, 2015 (SCI-Expanded)
- XXXVI. **Evaluation of Naringenin Chelating and Hepatoprotective Potential against to Lead Acetate Administration**  
Sahin Z., Ozkaya A., Dag U., ÖZKARACA M.  
ACTA PHYSIOLOGICA, vol.215, pp.108, 2015 (SCI-Expanded)
- XXXVII. **Kisspeptin antagonist prevents RF9-induced reproductive changes in female rats**  
Sahin Z., Canpolat S., Ozcan M., Ozgocer T., Kelestimur H.  
REPRODUCTION, vol.149, no.5, pp.465-473, 2015 (SCI-Expanded)
- XXXVIII. **Examination of Changes in Enzyme Activities of Erythrocyte Glucose 6-Phosphate Dehydrogenase and 6-Phosphogluconate Dehydrogenase in Rats Given Naringenin and Lead Acetate**  
Demirdag R., Comakli V., Ozkaya A., Sahin Z., Dag U., Yerlikaya E., Kuzu M.  
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, vol.29, no.1, pp.43-47, 2015 (SCI-Expanded)
- XXXIX. **A novel kisspeptin antagonist peptide 234 prevents kisspeptin-induced pubertal advancement in the female rats**  
Ozcan M., Sahin Z., Canpolat S., Yilmaz B., Kelestimur H.  
ACTA PHYSIOLOGICA, vol.211, pp.132-133, 2014 (SCI-Expanded)
- XL. **Orexins Activates Protein Kinase C-Mediated Ca<sup>2+</sup> Signaling in Isolated Rat Primary Sensory Neurons**  
Ozcan M., Ayar A., Serhatlioglu I., Alcin E., Sahin Z., Kelestimur H.  
PHYSIOLOGICAL RESEARCH, vol.59, no.2, pp.255-262, 2010 (SCI-Expanded)
- XLI. **The Effects of Ellagic Acid on Some Biochemical Parameters in the Liver of Rats Against Oxidative Stress Induced by Aluminum**  
Ozkaya A., Celik S., Yuce A., Sahin Z., Yilmaz O.  
KAFKAS UNIVERSITESI VETERINER FAKULTESI DERGISI, vol.16, no.2, pp.263-268, 2010 (SCI-Expanded)
- XLII. **Effects of letrozole on hippocampal and cortical catecholaminergic neurotransmitter levels, neural cell adhesion molecule expression and spatial learning and memory in female rats**  
Aydin M., Yilmaz B., Alcin E., Nedzvetsky V. S., Sahin Z., Tuzcu M.  
NEUROSCIENCE, vol.151, no.1, pp.186-194, 2008 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Assessment of commonly used tests in experimental depression studies according to behavioral patterns of rodents**  
ŞAHİN Z.  
Medical Review, vol.3, no.6, pp.526-531, 2023 (Scopus)
- II. **Circadian Rhythm, Hypothalamo-Pituitary Adrenal Axis, and Immunity: Physiological and Pathological Examples**  
Şahin Z., Kalkan Ö. F., Aktas O., Kalkan A.  
Akdeniz Tıp Dergisi, vol.9, no.3, pp.331-341, 2023 (Peer-Reviewed Journal)
- III. **Global climate change and accompanying covid-19 pandemic: A physiological perspective by avicenna from 1000 years ago to the present**  
Şahin Z., Kalkan Ö. F., Aktaş O., Kalkan A.  
Türk Bilimsel Derlemeler Dergisi, vol.2, no.2, pp.79-88, 2022 (Peer-Reviewed Journal)
- IV. **Nesfatin-1 ve Kisspeptin Antagonisti P234'ün Ovaryum Folikül Gelişimine Etkileri**  
ŞAHİN Z., CÜCE G., ÖZCAN M., CANPOLAT S., SOLAK GÖRMÜŞ Z. I., KUTLU S., KELEŞTİMUR H.  
Tıp Fakültesi Klinikleri, vol.5, pp.79-87, 2022 (Peer-Reviewed Journal)

- V. **Gülmenin fizyolojisi: Beyin lezyonlarından gülme ile ilişkili yapıları anlama**  
Şahin Z., Kalkan Ö. F., Aktaş O.  
Sağlık ve Yaşam Bilimleri Dergisi, vol.4, no.2, pp.242-251, 2022 (Peer-Reviewed Journal)
- VI. **How does the circadian rhythm function in blind people who have no light perception?**  
Şahin Z., Kalkan Ö. F., Aktaş O.  
Hipokrat Tıp Dergisi, vol.2, no.2, pp.35-43, 2022 (Peer-Reviewed Journal)
- VII. **Nesfatin-1'in anoreksijenik fonksiyonunun gün içinde değişimi sirkadiyen ritimle ilişkili olabilir mi?**  
Şahin Z.  
Troia Med J, vol.3, no.3, pp.111-116, 2022 (Peer-Reviewed Journal)
- VIII. **Metabolic Cages Can Be Used For Social Isolation Stress Rather Than Metabolism Studies With Their Current Form**  
Şahin Z.  
Türk Bilimsel Derlemeler Dergisi , vol.15, no.1, pp.115-120, 2022 (Peer-Reviewed Journal)
- IX. **Investigation of the effect of trazodone on spontaneous and acetylcholine-induced bladder detrusor smooth muscle contractions**  
Burunsuz Ö., Özdengül F., Gıca Ş., Şen A., Şahin Z.  
DUSUNEN ADAM-JOURNAL OF PSYCHIATRY AND NEUROLOGICAL SCIENCES, vol.35, no.1, pp.43-47, 2022 (ESCI)
- X. **Geraniolun Sıçanlarda Anksiyete/Depresyon Benzeri Davranış ve Hipokampal Kolinerjik Sistem Üzerine Etkileri**  
SARAL S., KAYA A. K., ŞAHİN Z., SARAL Ö., ÖZTÜRK A.  
Fırat Üniversitesi Sağlık Bilimleri Tıp Dergisi, vol.35, no.3, pp.178-182, 2021 (Peer-Reviewed Journal)
- XI. **Evaluating effects of black carrot extract on testicular carboxylesterase activity and oxidative stress parameters in rats exposed to Bisphenol A**  
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Keleştimur H., TUBITAK Project, Selektif serotonin geri-alım inhibitörü (SSRI) paroksetin ve norepinefrin-dopamin geri-alım inhibitörü bupropiyonun cinsel işlev üzerine etkilerinde Arg-Phe-Amide (RFamide)-related peptidlerin karşılaştırmalı rolleri üzerine in vivo ve in vitro çalışmalar, 2013 - 2014

Şahin Z., Özkaya A., Project Supported by Higher Education Institutions, H2O2 İle Oksidatif Strese Maruz Kalan Sıçanlarda Bazı Biyokimyasal Parametreler Üzerine Geraniol, Geraniol Ksantat ve 2 Amino 5 metil 1 3 4 tiyadiazol karbamat ligandının Etkisi, 2012 - 2014

Keleştimur H., TUBITAK Project, Gonadotropin İnhibitör Hormonun (GnIH) Gonadotropik Serbestleştirici Hormonun (GnRH) Salgılanması Üzerindeki Etkilerinin İmmortalize GnRH Nöronlarında in vitro Araştırılması, 2011 - 2012

Şahin Z., Ayar A., TUBITAK Project, Oreksin/Hipokretinlerin Ağrı Üzerine Etkilerinin Sıçan Duyusal sinir Hücre Kültürü modeli Kullanılarak elektrofizyolojik ve Moleküler İncelenmesi, 2005 - 2009

Şahin Z., Keleştimur H., Project Supported by Higher Education Institutions, Melatoninin Sıçan Timus Hücre Kültürlerinde Th1 Th2 Dengesi üzerine Etkileri, 2004 - 2005

## Memberships / Tasks in Scientific Organizations

Türk Nöroendokrinoloji Derneği (TNED) , Member, 2015 - Continues, Turkey

Türkiye Beyin Araştırmaları ve Sinirbilim Derneği (TÜBAS) , Member, 2015 - Continues, Turkey

International Union of Physiological Science (IUPS) , Member, 2004 - Continues, United States Of America

Türk Fizyolojik Bilimler Derneği (TFBD) , Member, 2004 - Continues, Turkey

Federation of European Physiological Societies (FEPS) , Member, 2004 - Continues, United Kingdom

## Scientific Refereeing

TUBITAK Project, 1002 - Quick Support Program, Yozgat Bozok University, Turkey, October 2024

TUBITAK Project, 3501 - National Young Researcher Career Development Program, Fenerbahçe University, Turkey, October 2024

TUBITAK Project, 1002 - Quick Support Program, Kütahya Health Sciences University, Turkey, October 2024

TUBITAK Project, 1002 - Quick Support Program, Baskent University, Turkey, October 2024

TUBITAK Project, 3501 - National Young Researcher Career Development Program, Erciyes University, Turkey, September 2024

TUBITAK Project, 1002 - Quick Support Program, Canakkale Onsekiz Mart University, Turkey, September 2024

TUBITAK Project, 1002 - Quick Support Program, Marmara University, Turkey, September 2024

TUBITAK Project, 1002 - Quick Support Program, Kütahya Health Sciences University, Turkey, August 2024

R&D Project of Group B, Hacettepe University, Turkey, August 2024

TUBITAK Project, 1002 - Quick Support Program, Akdeniz University, Turkey, August 2024

TUBITAK Project, 1002 - Quick Support Program, Mardin Artuklu University, Turkey, August 2024

R&D Project of Group B, Uskudar University, Turkey, August 2024

TÜBİTAK - AB COST Project, Burdur Mehmet Akif Ersoy University, Turkey, July 2024

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Pamukkale University, Turkey, June 2024

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TUBITAK Project, 1002 - Quick Support Program, Akdeniz University, Turkey, June 2024

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Erciyes University, Turkey, June 2024

TUBITAK Project, 1002 - Quick Support Program, Firat University, Turkey, May 2024

Project Supported by Higher Education Institutions, BAP Research Project, Ataturk University, Turkey, March 2024

TUBITAK Project, 1002 - Quick Support Program, Hatay Mustafa Kemal University, Turkey, February 2024

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Gaziantep Science And Technology University, Turkey, January 2024

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Gaziantep University, Turkey, January 2024

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Marmara University, Turkey, June 2023

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, University Of Health Sciences, Turkey, June 2023

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, University Of Health Sciences, Turkey, June 2023

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Mugla Sitki Kocman University, Turkey, June 2023

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, University Of Health Sciences, Turkey, May 2023

CELLULAR AND MOLECULAR BIOLOGY, Journal Indexed in SCI-E, December 2022

Sağlık ve Yaşam Bilimleri Dergisi, National Scientific Refreed Journal, November 2022

FRONTIERS IN NEUROSCIENCE, SCI Journal, November 2022

BIOLOGICAL TRACE ELEMENT RESEARCH, Journal Indexed in SCI-E, March 2022

Neuroendocrinology, SCI Journal, December 2021

ONLINE TÜRK SAĞLIK BİLİMLERİ DERGİSİ, National Scientific Refreed Journal, August 2021

E-MARMARA MEDICAL JOURNAL (ELEKTRONİK), National Scientific Refreed Journal, August 2021

E - BALIKESİR SAĞLIK BİLİMLERİ DERGİSİ (BSBD), National Scientific Refreed Journal, July 2021

NEUROENDOCRINOLOGY, SCI Journal, April 2021

Project Supported by Higher Education Institutions, BAP Research Project, Adiyaman University, Turkey, December 2020

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TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, TUBITAK, Turkey, July 2020

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TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, TUBITAK, Turkey, July 2020

Project Supported by Higher Education Institutions, BAP Research Project, Manisa Celal Bayar University, Turkey, March 2020

CELLULAR AND MOLECULAR BIOLOGY, Journal Indexed in SCI-E, June 2019

Project Supported by Higher Education Institutions, BAP Research Project, Adiyaman University, Turkey, March 2019

Annals of Medical Research, National Scientific Refreed Journal, February 2019

TUBITAK Project, 3501 - National Young Researcher Career Development Program, TUBITAK, Turkey, February 2019

CELLULAR AND MOLECULAR BIOLOGY, Journal Indexed in SCI-E, April 2018

Project Supported by Higher Education Institutions, BAP Research Project, Inonu University, Turkey, November 2017

Project Supported by Higher Education Institutions, BAP Research Project, Recep Tayyip Erdogan University, Turkey, November 2017

JOURNAL OF FOOD BIOCHEMISTRY, Journal Indexed in SCI-E, March 2016

## Metrics

Publication: 115

Citation (WoS): 360

Citation (Scopus): 412

H-Index (WoS): 11

H-Index (Scopus): 11

## Awards

Haziran 2022-Haziran 2023 Dönemi Akademik Performans Doçent Öğretim Üyesi Kategorisi, Karadeniz Teknik Üniversitesi Tıp Fakültesi Dekanlığı, June 2023

2021 Yılı Akademik Teşvik Ödeneği Çerçevesinde Tıp Fakültesi Derecesi, Karadeniz Teknik Üniversitesi Rektörlüğü, December 2022

Haziran 2021-Haziran 2022 Dönemi Akademik Performans Doçent Öğretim Üyesi Kategorisi Birinciliği, Karadeniz Teknik Üniversitesi Tıp Fakültesi Dekanlığı, June 2022

2021 Yılı Akademik Performans Ödülü, Karadeniz Teknik Üniversitesi Tıp Fakültesi Dekanlığı, September 2021