

Assoc. Prof. Ufuk OKKAY

Personal Information

Email: ufukokkay@atauni.edu.tr

Web: <https://avesis.atauni.edu.tr/ufukokkay>

Address: ufukokkay@gmail.com

International Researcher IDs

ScholarID: 0j_8npwAAAAJ

ORCID: 0000-0002-2871-0712

Publons / Web Of Science ResearcherID: ABC-2672-2021

Yoksis Researcher ID: 123516

Education Information

Doctorate, Ataturk University, Sağlık Bilimleri Enstitüsü, Turkey 2013 - 2017

Undergraduate, Ataturk University, Tıp Fakültesi, Turkey 2005 - 2011

Foreign Languages

English, C2 Mastery

Research Areas

Medicine, Health Sciences, Internal Medicine Sciences, Pharmacology and Clinical Pharmacology

Academic Titles / Tasks

Associate Professor, Ataturk University, Tıp Fakültesi, Dahili Tıp Bilimleri, 2022 - Continues

Academic and Administrative Experience

Assistant Manager of Research and Application Center, Ataturk University, Tıp Fakültesi, Dahili Tıp Bilimleri, 2021 - Continues

Yıl Koordinatörü, Ataturk University, Tıp Fakültesi, Dahili Tıp Bilimleri, 2021 - Continues

Akreditasyon, Sürekli Gelişim ve Yenilenme Kurulu Üyesi, Ataturk University, Tıp Fakültesi, Dahili Tıp Bilimleri, 2021 - Continues

Ölçme Değerlendirme Kurulu Üyesi, Ataturk University, Tıp Fakültesi, Dahili Tıp Bilimleri, 2020 - Continues

Eğitim ve Müfredat Kurulu üyesi, Ataturk University, Tıp Fakültesi, Dahili Tıp Bilimleri, 2020 - Continues

Erasmus Program Department Coordinator, Ataturk University, Tıp Fakültesi, Dahili Tıp Bilimleri, 2020 - 2022

Mevlana Exchange Program Department Coordinator, Ataturk University, Tıp Fakültesi, Dahili Tıp Bilimleri, 2020 - 2022

Farabi Program Department Coordinator, Ataturk University, Tıp Fakültesi, Dahili Tıp Bilimleri, 2020 - 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Protective effects of arbutin against doxorubicin-induced cardiac damage**
BİRDAL O., FERAH OKKAY I., OKKAY U., BAYRAM C., Mokthare B., Ertuğrul M. S., HACİMÜFTÜOĞLU A., Aksakal E., KOZA Y., Saygi M., et al.
MOLECULAR BIOLOGY REPORTS, vol.51, no.1, 2024 (SCI-Expanded)
- II. **Syringic acid guards against indomethacin-induced gastric ulcer by alleviating inflammation, oxidative stress and apoptosis**
FERAH OKKAY I., OKKAY U., ÇİÇEK B., KARATAŞ Ö., Yılmaz A., Yesilyurt F., HACİMÜFTÜOĞLU A.
BIOTECHNIC & HISTOCHEMISTRY, vol.99, no.3, pp.147-156, 2024 (SCI-Expanded)
- III. **Use of bee venom in preventive medicine: An experimental hepatic encephalopathy study in rats**
Bayraktar M., Hacimüftüoğlu A., Okkay U., Koçak M. N., Köseadağ M., Tekin E., Çelik M., Okkay I., Bayram C., Ertuğrul M., et al.
VETERINARY MEDICINE AND SCIENCE, vol.10, no.1, 2024 (SCI-Expanded)
- IV. **Bromelain protects against cisplatin-induced ocular toxicity through mitigating oxidative stress and inflammation**
Ferah Okkay I., Okkay U., Bayram C., Cicek B., Sezen S., Aydin I. C., Mendil A. S., Hacimuftuoglu A.
DRUG AND CHEMICAL TOXICOLOGY, vol.46, no.1, pp.69-76, 2023 (SCI-Expanded)
- V. **Assessment of the neuroprotective potential of d-cycloserine and l-serine in aluminum chloride-induced experimental models of Alzheimer's disease: In vivo and in vitro studies**
Tozlu O. O., TÜRKEZ H., OKKAY U., CEYLAN O., Bayram C., HACİMÜFTÜOĞLU A., Mardinoglu A.
FRONTIERS IN NUTRITION, vol.9, 2022 (SCI-Expanded)
- VI. **Hepatoprotective and neuroprotective effect of taxifolin on hepatic encephalopathy in rats**
Okkay U., Okkay I., Çiçek B., Aydın İ. Ç., Özkaraca M.
METABOLIC BRAIN DISEASE, vol.37, no.5, pp.1541-1556, 2022 (SCI-Expanded)
- VII. **Centella asiatica extract protects against cisplatin-induced hepatotoxicity via targeting oxidative stress, inflammation, and apoptosis**
Ferah Okkay I., Okkay U., Aydin I. C., Bayram C., Ertugrul M. S., Mendil A. S., Hacimuftuoglu A.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.29, no.22, pp.33774-33784, 2022 (SCI-Expanded)
- VIII. **A Selective Histamine H4 Receptor Antagonist, JNJ7777120, Role on Glutamate Transporter Activity in Chronic Depression**
YENİ Y., ÇAKIR Z., HACİMÜFTÜOĞLU A., TAGHIZADEHGHALEHJOUGHİ A., OKKAY U., Genc S., YILDIRIM S., SAĞLAM Y. S., Calina D., Tsatsakis A., et al.
Journal of Personalized Medicine, vol.12, no.2, 2022 (SCI-Expanded)
- IX. **Syringic acid protects against thioacetamide-induced hepatic encephalopathy: Behavioral, biochemical, and molecular evidence**
Ferah Okkay I., Okkay U., Lutfi Gundogdu O., Bayram C., Sefa Mendil A., Sait Ertugrul M., Hacimuftuoglu A.
NEUROSCIENCE LETTERS, vol.769, 2022 (SCI-Expanded)
- X. **Differential effects of inhibitors of PTZ-induced kindling on glutamate transporters and enzyme expression**
Taspınar N., Hacimuftuoglu A., Butuner S., Togar B., Arslan G., Taghizadehghalehjoughi A., Okkay U., Agar E., Stephens R., Turkez H., et al.
CLINICAL AND EXPERIMENTAL PHARMACOLOGY AND PHYSIOLOGY, vol.48, no.12, pp.1662-1673, 2021 (SCI-Expanded)
- XI. **Neuroprotective effect of bromelain in 6-hydroxydopamine induced in vitro model of Parkinson's disease**
Ferah Okkay I., Okkay U., Cicek B., Yılmaz A., Yesilyurt F., Mendil A. S., Hacimuftuoglu A.
MOLECULAR BIOLOGY REPORTS, vol.48, no.12, pp.7711-7717, 2021 (SCI-Expanded)
- XII. **Effects of Achillea millefolium on cisplatin induced ocular toxicity: an experimental study**
Okkay U., Ferah Okkay I., Aydin I. C., Bayram C., Ertugrul M. S., Gezer A., Hacimuftuoglu A.
CUTANEOUS AND OCULAR TOXICOLOGY, vol.40, no.3, pp.214-220, 2021 (SCI-Expanded)
- XIII. **Achillea millefolium alleviates testicular damage in paclitaxel-intoxicated rats via attenuation of**

testicular oxido-inflammatory stress and apoptotic responses

Okkay U., Ferah Okkay I., Çiçek B., Aydın İ. Ç., Ertugrul M. S., Bayram C., Senyayla S., Sezen S., Mendil A. S., Güven L., et al.

ANDROLOGIA, vol.53, no.5, 2021 (SCI-Expanded)

XIV. Investigation of the Effects of Pregnenolone on Behavioral Tests Against Cisplatin-Induced Toxicity in Rats

Okkay U., Bayram C., Hacimüftüoğlu A.

NEUROENDOCRINOLOGY, vol.111, pp.27, 2021 (SCI-Expanded)

XV. Effect of taxifolin on cisplatin-associated oxidative optic nerve damage in rats

Ahiskali I., FERAH OKKAY I., MAMMADOV R., OKKAY U., KESKİN ÇİMEN F., KURT N., SÜLEYMAN H.

CUTANEOUS AND OCULAR TOXICOLOGY, vol.40, no.1, pp.1-6, 2021 (SCI-Expanded)

XVI. The analgesic effect of metformin on paclitaxel-induced neuropathic pain model in rats: By considering pathological results

Hacimüftüoğlu A., Mohammadzadeh M., Taghizadehghalehjoughi A., Taşpınar N., Toğar B., Nalcı K. A., Okkay U., Gündoğdu B.

JOURNAL OF CANCER RESEARCH AND THERAPEUTICS, vol.16, no.1, pp.34-39, 2020 (SCI-Expanded)

XVII. Effect of metformin/irinotecan-loaded poly-lactic-co-glycolic acid nanoparticles on glioblastoma: in vitro and in vivo studies

TAGHIZADEHGHALEHJOUGHİ A., HACİMÜFTÜOĞLU A., ÇETİN M., UĞUR A. B., GALATEANU B., MEZHUEV Y., OKKAY U., Taspınar N., Taspınar M., UYANIK A., et al.

NANOMEDICINE, vol.13, no.13, pp.1595-1606, 2018 (SCI-Expanded)

XVIII. Astrocyte/neuron ratio and its importance on glutamate toxicity: an in vitro voltammetric study.

Hacimüftüoğlu A., Tatar A., CETIN D., Taspınar N., SARUHAN F., Okkay U., TURKEZ H., UNAL D., STEPHENS R. J., SULEYMAN H.

Cytotechnology, vol.68, pp.1425-33, 2016 (SCI-Expanded)

Articles Published in Other Journals

I. The Role of Graphene and Biodentine™ on Proliferation and Odontoblastic Differentiation of Pulp Stem Cells

ÇELİKEL P., DERELİOĞLU S., ŞENGÜL F., OKKAY U.

Current research in dental sciences (Online), 2024 (Peer-Reviewed Journal)

II. Nicorandil mitigates glutamate excitotoxicity in primary cultured neurons

ERTUĞRUL M. S., OKKAY U., YENİ Y., GENÇ S., BALPINAR Ö., FERAH OKKAY I., HACİMÜFTÜOĞLU A.

Medicine Science, vol.13, pp.43-47, 2024 (Peer-Reviewed Journal)

III. Understanding How Madecassic Acid Affects Glioblastoma Cells: Its Antioxidant and Anti-cancer Properties

Okkay U., Ferah Okkay I., Yeşilyurt F., Şenyayla S.

Recent Trends in Pharmacology, vol.1, no.2, pp.63-71, 2023 (Peer-Reviewed Journal)

IV. Behavioral Tests Used in Experimental Animal Models

Yörük M. A., Okkay U., Budak Savaş A., Bayram C., Sezen S., Ertugrul M. S., Hacimüftüoğlu A.

Anatolian Journal of Biology, vol.3, no.2, pp.14-22, 2022 (Peer-Reviewed Journal)

V. Beneficial effects of linagliptin in cell culture model of Parkinson's disease

OKKAY U., FERAH OKKAY I.

The European Research Journal, vol.8, no.2, pp.242-246, 2022 (Peer-Reviewed Journal)

VI. Neuroprotective effect of nicorandil in 6-OHDA induced in vitro model of parkinson's disease

OKKAY U., FERAH OKKAY I.

Medicine Science International Medical Journal, vol.11, no.1, pp.224-227, 2022 (Peer-Reviewed Journal)

VII. In vitro neuroprotective effects of allicin on Alzheimer's disease model of neuroblastoma cell line

OKKAY U., FERAH OKKAY I.

Journal of Surgery and Medicine, vol.6, no.2, pp.209-212, 2022 (Peer-Reviewed Journal)

- VIII. **Does Intravitreal Dopamine Agonist and Antagonist Administration Have Effects on the Brain? An Experimental Study in Rats**
Koçak M. N., Ateş O., Hacımüftüoğlu A., Ateş İ., Tekin E., Ceylan O., Okkay U.
EURASIAN JOURNAL OF MEDICINE, vol.54, no.1, pp.54-60, 2022 (ESCI)
- IX. **Etanercept Protects Neurons Against Glutamate-Induced Neurotoxicity: An In Vitro Study**
FERAH OKKAY I., OKKAY U., YENİ Y., BALPINAR Ö., HACİMÜFTÜOĞLU A.
Ataturk Universitesi Veteriner Bilimleri Dergisi, vol.17, no.2, 2022 (Scopus)
- X. **Effects of Rhodiola rosea on indomethacin-induced gastric injury**
Ferah Okkay I., Okkay U., Karataş Ö.
Dicle Medical Journal, vol.48, no.4, pp.732-739, 2021 (Peer-Reviewed Journal)
- XI. **Antidepressant-like effects of ceftriaxone in chronic unpredictable mild stress model in rats: The importance of reuptake time of glutamate**
Binnetoğlu D., Arıcıoğlu F., Özcan H., Okkay U., Hacımüftüoğlu A.
Clinical and Experimental Health Sciences, vol.9, pp.294-299, 2019 (Peer-Reviewed Journal)
- XII. **Beneficial Effects of Achillea Millefolium and Aesculum Hippocastanum Extracts on Glutamate Excitotoxicity in the Primary Cultured Neurons.**
Ferah I., Okkay U., Çiçek B., Yeşilyurt F., Yılmaz A., Hacımüftüoğlu A.
Advances in Clinical Toxicology, vol.4, no.4, 2019 (Peer-Reviewed Journal)
- XIII. **Nöropatik Ağrı Hayvan Modelleri**
OKKAY U., HACİMÜFTÜOĞLU A.
Türkiye Klinikleri Journal of Pharmacology Special Topics, vol.4, pp.61-68, 2016 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **SECOND BY SECOND RE-UP TAKE TIME CHANGING OF GLUTAMATE ON DEPRESSION INDUCED RATS**
HACİMÜFTÜOĞLU A., NALCI K. A., ERTUĞRUL M. S., AYDIN İ. Ç., YENİ Y., Yeşilyurt F., NİŞANCI B., SARAÇOĞLU N., ÇAVUŞOĞLU B., BİNNETOĞLU D., et al.
FENS Regional Meeting, 10 - 13 July 2019

Supported Projects

- Yörük M. A., Bayram C., Okkay U., Özkaraca M., Aygün Ü., Sezen S., Ocak H., Project Supported by Higher Education Institutions, Obez ve Sağlıklı Sıçanlarda Oluşturulacak Femur Kırık Modelinde EZETEC® PLUS'un İyileştirici Etkisinin Araştırılması, 2023 - 2025
- HACİMÜFTÜOĞLU A., OKKAY U., ÇELEBİ D., ÜNVER Y., BUDAK H., ÖZDEMİR H., Project Supported by Higher Education Institutions, Yeni Korona Virüs Hastalığı 2019a COVID19 Karşı İki Farklı Ekspresyon Sistemi Kullanılarak Aşı Geliştirilmesi, 2022 - 2024
- HACİMÜFTÜOĞLU A., OKKAY U., Project Supported by Higher Education Institutions, (ULUSLARARASI) MİKROELEKTROTLARI ÇALIŞTIRAN MİKROMOLAR ÖLÇÜM YAPABİLEN KABLOSUZ CİHAZ (MEMİR), 2020 - 2023
- HACİMÜFTÜOĞLU A., OKKAY U., Project Supported by Higher Education Institutions, (ULUSLARARASI) MİKROELEKTROT YAPIMI VE MİKROELEKTROTLA NÜROTRANSMİTTER ÖLÇÜMÜ (MEYEMEN), 2020 - 2023
- KESMEZ CAN F., GÜLLÜCE M., FERAH OKKAY I., BAYRAM C., ÇİÇEK B., HACİMÜFTÜOĞLU A., SEZEN S., GEZER A., OKKAY U., Project Supported by Higher Education Institutions, Juniperus oxycedrus tohumlarından elde edilecek iki farklı ekstraktın sıçanlarda oluşturulacak kontamine ve kontamine olmayan yara iyileşmesindeki etkisinin araştırılması, 2020 - 2021
- TUNCER K., OKKAY U., PÜR B., GÜLLÜCE M., HACİMÜFTÜOĞLU A., FERAH OKKAY I., DEMİR M., ÇİÇEK B., Project Supported by Higher Education Institutions, Sıçanlarda Deneysel Olarak Oluşturulan Kırık Modelinde Vicia Ervilia Ekstresinin Etkilerinin Araştırılması, 2020 - 2021

OKKAY U., ÖZKARACA M., FERAH OKKAY I., ÇİÇEK B., AYDIN İ. Ç., Project Supported by Higher Education Institutions, Deneysel Olarak Hepatik Ensefalopati Oluşturulmuş Sıçanlarda Artichoke, Taksifolin, Radix Astragali ve Sirinjik asitin Etkinliğinin İncelenmesi, 2019 - 2021

ÇAKIR Z., OKKAY U., HACİMÜFTÜOĞLU A., YENİ Y., SAĞLAM Y. S., TAGHIZADEHGHAEHJOUGHİ A., Project Supported by Higher Education Institutions, Ratlarda Oluşturulan Kronik Depresyon Modelinde Tedavi Amacıyla Kullanılan Seftriakson Valproik Asit JNJ 7777120 ve Sertralin İlaçlarının Astrositik JWA Gen Ekspresyonu ile Glutamat Taşıyıcı Ekspresyon Seviyeleri Üzerine Olan Etkilerinin Araştırılması, 2019 - 2021

HACİMÜFTÜOĞLU A., OKKAY U., Project Supported by Higher Education Institutions, "DENEYSEL PARKİNSON HASTALIĞI MODELİ OLUŞTURULMUŞ RATLARDA GLUTAMAT GERİ ALINIM PARAMETRELERİNİN ÖLÇÜLMESİ VE YENİ TEDAVİ ÖNERİLERİ", 2015 - 2019

HACİMÜFTÜOĞLU A., TAŞPINAR M., OKKAY U., SAĞSÖZ M. E., Project Supported by Higher Education Institutions, DENEYSEL ALZHEİMER HASTALIĞI MODELİNDE OPTOGENETİK VE DAVRANIŞSAL FARKLILIKLARIN GLUTAMAT TRANSPORTER AKTİVATÖRLERİYLE DÜZELTİLMESİ, 2015 - 2019

Patent

Ferah Okkay I., Okkay U., Hacımüftüoğlu A., Özkaraca M., Güllüce M., DİMETİL 3,8-DİOKSATRİSİKLO[3.2.1.0^{2,4}]OKTA-6-EN-6,7-DİKARBOKSİLAT VE TÜREVLERİNİN YARA, ENFEKTE YARA VEDİYABETİK YARA İYİLEŞMESİNDE VE DİRENÇLİ HASTANE ENFEKSİYONLARINDA KULLANIMI, Patent, CHAPTER A Human Needs, The Invention Recourse Number: 012203 , Standard Registration, 2023

Activities in Scientific Journals

International Journal of Biomedical Engineering and Clinical Science(IJBECS), Committee Member, 2023 - Continues
JOURNAL OF CLINICAL MEDICINE, Committee Member, 2023 - Continues
New trends in medicine sciences, Committee Member, 2022 - Continues
FRONTIERS IN NUTRITION, Committee Member, 2022 - Continues

Scientific Refereeing

FRONTIERS IN NUTRITION, SCI Journal, December 2022
FRONTIERS IN NUTRITION, SCI Journal, September 2022
FRONTIERS IN NUTRITION, SCI Journal, September 2022
FRONTIERS IN NUTRITION, SCI Journal, September 2022
FRONTIERS IN NUTRITION, SCI Journal, September 2022
INTERNATIONAL JOURNAL OF MOLECULAR MEDICINE, Journal Indexed in SCI-E, August 2022
JOURNAL OF INFLAMMATION RESEARCH, Journal Indexed in SCI-E, August 2022
ONCOLOGY LETTERS, Journal Indexed in SCI-E, July 2022
FRONTIERS IN NUTRITION, SCI Journal, July 2022
EXPERIMENTAL AND THERAPEUTIC MEDICINE, Journal Indexed in SCI-E, July 2022
FRONTIERS IN NUTRITION, SCI Journal, July 2022
DRUG DESIGN, DEVELOPMENT AND THERAPY, Journal Indexed in SCI-E, June 2022
FRONTIERS IN NUTRITION, SCI Journal, June 2022
EXPERIMENTAL AND THERAPEUTIC MEDICINE, Journal Indexed in SCI-E, June 2022
EXPERIMENTAL AND THERAPEUTIC MEDICINE, Journal Indexed in SCI-E, May 2022
ONCOLOGY LETTERS, Journal Indexed in SCI-E, May 2022
FRONTIERS IN NUTRITION, SCI Journal, May 2022
DRUG DESIGN, DEVELOPMENT AND THERAPY, Journal Indexed in SCI-E, April 2022

MOLECULAR MEDICINE REPORTS, Journal Indexed in SCI-E, April 2022

Biomedical Reports, Journal Indexed in ESCI, April 2022

Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy, SCI Journal, March 2022

MOLECULAR MEDICINE REPORTS, Journal Indexed in SCI-E, February 2022

Metrics

Publication: 83

Citation (WoS): 170

Citation (Scopus): 190

H-Index (WoS): 9

H-Index (Scopus): 9

Non Academic Experience

Erzurum İbrahim Hakkı Pasinler Devlet Hastanesi