

CEMIL BAYRAM

ASST. PROF.

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Address : Atatürk Üniversitesi Veterinerlik Fakültesi Zemin Kat Farmakoloji ve Toksikoloji Ana Bilim Dalı

International Researcher IDs

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Publons / Web Of Science ResearcherID: AAV-2485-2021

ScopusID: 57222196286

Yoksis Researcher ID: 382470

Learning Knowledge

Doctorate 2017 - 2022	Ataturk University, Sağlık Bilimleri Enstitüsü, Tıbbi Farmakoloji Anabilim Dalı Başkanlığı, Turkey
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Undergraduate 2010 - 2015	Ataturk University, Veteriner Fakültesi, Turkey
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Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Evaluation of glutamate re-uptake times by in vivo voltammetry technique in experimental Alzheimer's modeled and freely moving rats, Ataturk University, Sağlık Bilimleri Enstitüsü, Tıbbi Farmakoloji Anabilim Dalı Başkanlığı, 2022

Academic Titles / Tasks

Assistant Professor 2023 - Continues	Ataturk University, Veteriner Fakültesi, Klinik Öncesi Bilimleri
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Supported Projects

- Yörük M. A., Bayram C., Okay 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
- Bayram C., Kara A., Karadağ Sarı E., Hacımüftüoğlu A., Yeşildağ A., Kara H., Gelen V., Project Supported by Higher Education Institutions, Parkinson Hastalığı Hücresel ve Deneysel Modelinde Kitosan-Gümüş Nanopartikül yüklü Hiperforin uygulamasının PI3K/Akt Yolağı aracılı Oksidatif ve Apoptik Parametrelere üzerine etkilerinin

araştırılması, 2023 - 2025

3. Gelen V., Kara A., Yeşildağ A., Karadağ Sarı E., Bayram C., Kara H., Hacımüftüoğlu A., Research Project of the Presidency of Turkey Health Institutes (TÜSEB), Parkinson Hastalığı Hüresel ve Deneysel Modelinde Kitosan-Gümüş Nanopartikül yüklü Hiperforin uygulamasının PI3K/Akt Yoluğu aracılı Oksidatif ve Apoptotik Parametreler üzerine etkilerinin araştırılması, 2023 - 2025
4. Sezen S., Sevinç Özakar R., Güllüce M., Özkaraca M., Bayram C., Hacımüftüoğlu A., Project Supported by Higher Education Institutions, Sıçanlarda Modellenen Tam Katlı Eksizyonel Yaralarda Plantago lanceolata L. Metanol Ekstresi İçeren Krem Formülasyonunun İyileştirici Etkisinin Araştırılması, 2023 - 2024
5. Kara H., Özkanlar S., Bayram C., Özbek Şebın S., Tekiner D., Project Supported by Higher Education Institutions, Sıçanlarda Oluşturulan Deneysel Parkinson Hastalığı Modelinde Sitrat Kaplı Gümüş Nanopartikül Yüklü Astaksantin Uygulamasının PI3KAkt Yoluğu Aracılı Etkilerin Araştırılması , 2023 - 2024

Awards

1. Bayram C., Ferah Okkay I., Okkay U., Hacımüftüoğlu A., Therapeutic potential of bromelain in 6-hydroxydopamine rat model of Parkinson's disease, European College Of Neuropsychopharmacology Congress, September 2020

Jury Memberships

Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, December, 2023

Published journal articles indexed by SCI, SSCI, and AHCI

1. **Protective effects of arbutin against doxorubicin-induced cardiac damage**
BİRDAL O., FERAH OKKAY I., OKKAY U., BAYRAM C., Mokhtare B., Ertuğrul M. S., HACİMÜFTÜOĞLU A., Aksakal E., KOZA Y., Saygi M., et al.
MOLECULAR BIOLOGY REPORTS, vol.51, no.1, 2024 (SCI-Expanded)
2. **Arbutin abrogates cisplatin-induced hepatotoxicity via upregulating Nrf2/HO-1 and suppressing genotoxicity, NF-κB/iNOS/TNF-α and caspase-3/Bax/Bcl2 signaling pathways in rats**
Okkay I., Famurewa A., Bayram C., Okkay U., Mendil A. S., Sezen S., Ayaz T., Gecili I., Ozkaraca M., Senyayla S., et al.
Toxicology Research, vol.13, no.3, 2024 (SCI-Expanded)
3. **Combined Metabolic Activators with Different NAD+ Precursors Improve Metabolic Functions in the Animal Models of Neurodegenerative Diseases**
Altay O., Yang H., YILDIRIM S., BAYRAM C., BOLAT İ., Oner S., Tozlu O. O., Arslan M. E., HACİMÜFTÜOĞLU A., Shoaie S., et al.
Biomedicines, vol.12, no.4, 2024 (SCI-Expanded)
4. **Role of parthenolide in paclitaxel-induced oxidative stress injury and impaired reproductive function in rat testicular tissue**
Toraman E., Budak B., Bayram C., Sezen S., Mokhtare B., Hacimueftueoglu A.
CHEMICO-BIOLOGICAL INTERACTIONS, vol.387, pp.110793-0, 2024 (SCI-Expanded)
5. **Use of bee venom in preventive medicine: An experimental hepatic encephalopathy study in rats**
Bayraktar M., Hacımüftüoğlu 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)
6. **Parthenolide as a potential analgesic in the treatment of paclitaxel-induced neuropathic pain: the rat modeling**
TORAMAN E., BAYRAM C., Sezen S., ÖZKARACA M., HACİMÜFTÜOĞLU A., BUDAK H.
NAUNYN-SCHMIEDEBERGS ARCHIVES OF PHARMACOLOGY, vol.396, no.12, pp.3707-3721, 2023 (SCI-Expanded)

7. **Assessment of antimicrobial activity and In Vitro wound healing potential of ZnO nanoparticles synthesized with *Capparis spinosa* extract**
Sezen S., Ertuğrul M. S., Balpınar Ö., Bayram C., Özkaraca M., Okkay I., Hacimuftüoğlu A., Güllüce M.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.30, no.55, pp.117609-117623, 2023 (SCI-Expanded)
8. **In Vivo Evaluation of Nanoemulsion Formulations for Metformin and Repaglinide Alone and Combination**
Kaplan A. B., Cetin M., Bayram C., Yildirim S., Taghizadehghalehjoughi A., Hacimuftuoglu A.
JOURNAL OF PHARMACEUTICAL SCIENCES, vol.112, no.5, pp.1411-1426, 2023 (SCI-Expanded)
9. **Ellagic Acid and Its Metabolites as Potent and Selective Allosteric Inhibitors of Liver Pyruvate Kinase**
Battisti U. M., Gao C., Akladios F., Kim W., Yang H., BAYRAM C., BOLAT İ., KİLİÇLİOĞLU M., Yuksel N., Tozlu O. O., et al.
NUTRIENTS, vol.15, no.3, 2023 (SCI-Expanded)
10. **Combined metabolic activators improve metabolic functions in the animal models of neurodegenerative diseases**
TÜRKEZ H., Altay O., YILDIRIM S., Li X., Yang H., BAYRAM C., BOLAT İ., Oner S., Tozlu O. O., Arslan M. E., et al.
Life Sciences, vol.314, 2023 (SCI-Expanded)
11. **Combined metabolic activators improve cognitive functions in Alzheimer's disease patients: a randomised, double-blinded, placebo-controlled phase-II trial**
Yulug B., Altay O., Li X., Hanoglu L., Cankaya S., Lam S., Velioglu H. A., Yang H., Coskun E., Idil E., et al.
TRANSLATIONAL NEURODEGENERATION, vol.12, no.1, 2023 (SCI-Expanded)
12. **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)
13. **Developmental endothelial locus-1 attenuates palmitate- induced apoptosis in tenocytes through the AMPK/autophagy-mediated suppression of inflammation and endoplasmic reticulum stress**
Park T., Park S., Cho W., Oh H., Lee H., HASSIBELNABY A. M. A., Bayram C., Jeong J., Jung T., Jung T. W.
BONE & JOINT RESEARCH, vol.11, no.12, pp.854-861, 2022 (SCI-Expanded)
14. **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., HACIMÜFTÜOĞLU A., Mardinoglu A.
FRONTIERS IN NUTRITION, vol.9, 2022 (SCI-Expanded)
15. **Resolvin D3 improves the impairment of insulin signaling in skeletal muscle and nonalcoholic fatty liver disease through AMPK/autophagy-associated attenuation of ER stress**
Oh H., Cho W., HASSIBELNABY A. M. A., Bayram C., Jeong J. H., Jung T. W.
Biochemical Pharmacology, vol.203, 2022 (SCI-Expanded)
16. **Discovery of therapeutic agents targeting PKLR for NAFLD using drug repositioning**
Zhang C., Shi M., Kim W., Arif M., Klevstig M., Li X., Yang H., Bayram C., Bolat İ., Tozlu Ö. Ö., et al.
EBIOMEDICINE, vol.83, 2022 (SCI-Expanded)
17. **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)
18. **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)
19. **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)
20. **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)

21. **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)

Articles Published in Other Journals

1. **Neuroprotective Efficacy of Lycopene in a Thioacetamide-Induced Model of Hepatic Encephalopathy: An Experimental Rat Study**

TEKİN E., BAYRAKTAR M., KOÇAK M. N., OKKAY U., BAYRAM C., HALICI Z., ÇELİK M., KIZILTUNÇ A.

Authorea, 2024 (Peer-Reviewed Journal)

2. **Experimental Models in Parkinson's Disease: Advantages and Disadvantages**

Altunlu Ö., Topatan E., Al-Yaqoobi Z., Burul F., Bayram C., Sezen S., Ferah Okkay I., Okkay U., Hacimüftüoğlu A.

Ağrı Tıp Fakültesi Dergisi, vol.2, 2024 (Peer-Reviewed Journal)

3. **Investigation of the Antitumoral Activity of Syringic Acid on HT-29 Cells: An In Vitro Study**

BURUL F., ALTUNLU Ö., FERAH OKKAY I., BAYRAM C., YEŞİLYURT F., OKKAY U.

Recent Trends in Pharmacology, vol.1, no.3, pp.123-130, 2023 (Peer-Reviewed Journal)

4. **Therapeutic Potential of Bacopa monnieri L. in Sciatic Nerve Ligation: Modulation of Regeneration and Oxidative Stress**

Al-Yaqoob Z., Altunlu Ö., Burul F., Topatan E., Mokhtare B., Budak Savaş A., Yörük M. A., Çınar B., Sezen S., Bayram C., et al.

Journal of Laboratory Animal Science and Practices, vol.3, 2023 (Peer-Reviewed Journal)

5. **The in-vitro Wound Healing Potential of Essential Oil Extracted from Mentha longifolia L.**

Sezen S., Ertuğrul M. S., Bayram C., Özkaraca M., Koç T. Y., Demir A. Y., Güllüce M., Hacimüftüoğlu A.

Journal of research in pharmacy (online), vol.27, no.3, pp.1220-1233, 2023 (ESCI)

6. **Glutamate, Excitotoxicity and Related Diseases**

Budak Savaş A., Yörük M. A., Bayram C., Sezen S.

Recent Trends in Pharmacology, vol.1, no.1, pp.32-62, 2023 (Peer-Reviewed Journal)

7. **Review: Glutamate, excitotoxicity and related diseases**

Budak Savaş A., BAYRAM C., YÖRÜK M. A., SEZEN S.

Recent Trends in Pharmacology, vol.1, no.1, pp.32-62, 2023 (Peer-Reviewed Journal)

8. **Neuroprotective effect of methanol extract of Capparis spinosa L. fruits in an in-vitro experimental model of Parkinson's disease**

SEZEN S., YEŞİLYURT F., ÖZKARACA M., BAYRAM C., ALAYLAR B., GÜLLÜCE M., HACİMÜFTÜOĞLU A.

Journal of medicine and palliative care (Online), vol.3, 2022 (Peer-Reviewed Journal)

9. **Behavioral Tests Used in Experimental Animal Models**

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

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

10. **Investigation of Antioxidant Efficacy of Glycyrrhiza glabra L. Extract in Glutamate Toxicity-Induced Primary Neuron Culture**

BAYRAM C., HACİMÜFTÜOĞLU A.

Anatolian Journal of Biology, 2022 (Peer-Reviewed Journal)

11. **Investigation of Anti-Tumor Effect in Neuroblastoma Cell Line; Amlodipine & Metformin**

Taghizadehghalehjoughi A., Sezen S., Bayram C., Hacimüftüoğlu A., Güllüce M.

Anatolian Journal of Biology, vol.1, no.1, pp.16-21, 2020 (Peer-Reviewed Journal)

12. **Investigation of Anti-Tumor Effect in Neuroblastoma Cell Line Amlodipine Metformin**

TAGHİZADEHGHALEHJOUGHİ A., SEZEN S., BAYRAM C., HACİMÜFTÜOĞLU A., GÜLLÜCE M.

Refereed Congress / Symposium Publications in Proceedings

1. **Bromelain Enhances The Effect of Low Dose L-Dopa On Motor Impairment in Experimental Parkinson's Disease**
Çiçek B., Gül M., Taghizadehghalehjoughi A., Okkay U., Ferah Okkay I., Ertuğrul M. S., Aydın İ. Ç., Bayram C., Arslan Y. K., Hacimüftüoğlu A.
13th International Medicine and Health Sciences Researches Congress, Ankara, Turkey, 26 - 27 August 2023, no.448, pp.1310-1316
2. **EVALUATING THE EFFECTS OF GINKGO BILOBA ON DOXORUBICIN-INDUCED NEUROTOXICITY IN TERMS OF LOCOMOTOR ACTIVITY**
Bayram C., Yörük M. A., Ferah Okkay I., Okkay U.
1st INTERNATIONAL CONFERENCE ON HEALTH, ENGINEERING AND APPLIED SCIENCES, Bucuresti, Romania, 5 - 07 May 2023
3. **THE EFFECT OF CITICOLINE ON PACLITAXEL-INDUCED SUPPRESSION OF LOCOMOTOR ACTIVITY**
Bayram C., Yörük M. A., Ferah Okkay I., Okkay U.
EU 1ST INTERNATIONAL CONFERENCE ON HEALTH, ENGINEERING AND APPLIED SCIENCES, Bucuresti, Romania, 5 - 07 May 2023, pp.202-211
4. **Experimental Alzheimer's Disease Models**
BAYRAM C., ERTUĞRUL M. S., HACİMÜFTÜOĞLU A.
6th INTERNATIONAL CONFERENCE ON ADVANCES IN NATURAL & APPLIED SCIENCE HEALTH SCIENCES, Ağrı, Turkey, 11 - 13 October 2022
5. **Fitokannabinoidler ve İmmün Sistem**
BALPINAR Ö., SEZEN S., ERTUĞRUL M. S., BAYRAM C.
3. Uluslararası Bilimsel Araştırmalar Kongresi, 22 - 23 October 2022
6. **DETERMINATION OF THE ANTIPROLIFERATIVE EFFECT OF JUNİPERUS OXYCEDRUS L. ESSENTIAL OIL ON HUMAN COLORECTAL CANCER CELL LINE**
Sezen S., Ertuğrul S., Bayram C., HACİMÜFTÜOĞLU A., Güllüce M.
Van Yüzüncü Yıl Üniversitesi 1. Uluslararası Sağlık Bilimleri Kongresi, Van, Turkey, 27 October 2022
7. **NEUROPROTECTIVE EFFECT OF CAPPARIS SPINOSA L. EXTRACT IN AN EXPERIMENTAL MODEL OF IN-VITRO PARKINSON'S DISEASE**
BAYRAM C., YEŞİLYURT F., SEZEN S., KUMBASAR Ş., KOÇ T. Y., KARADAYI M., HACİMÜFTÜOĞLU A., GÜLLÜCE M.
International Congress Of Multidisciplinary Studies In Health Sciences, 18 - 19 February 2022
8. **Therapeutic potential of bromelain in 6-hydroxydopamine rat model of parkinson's disease**
Cicek B., Gül M., Taghizadehghalehjoughi A., Okkay U., Yıldırım S., Okkay I., Ertugrul M. S., Aydın A. C., Bayram C., Arslan Y. K., et al.
33rd Congress of the European-College-of-Neuropsychopharmacology (ECNP), ELECTR NETWORK, 12 - 15 September 2020, vol.40
9. **Therapeutic potential of bromelain in 6-hydroxydopamine rat model of Parkinson's disease**
Çiçek B., Gül M., Taghizadehghalehjoughi A., Okkay U., Yıldırım S., Ferah Okkay I., Ertuğrul M. S., Aydın İ. Ç., Bayram C., Arslan Y. K., et al.
33rd ECNP, Utrecht, Netherlands, 12 - 15 September 2020
10. **Investigation of Wound Healing and Antimicrobial Effects of ZnO Nanoparticles Synthesized Using Mentha longifolia L. Essential Oil**
SEZEN S., NALCI K. A., DEMİR A. Y., BAYRAM C., ÇİÇEK B., OKKAY U., GÜLLÜCE M., HACİMÜFTÜOĞLU A.
Uluslararası Biyoteknoloji Kongresi, Turkey, 5 - 07 March 2020
11. **Vitex Agnus Castus Combination Cds and 5-Fluorouracil Effectively Kill Prostate Cancer: In Vitro**
Genç S., Taghizadehghalehjoughi A., Bayram C., Yeni Y., Yeşilyurt F., Yılmaz A., Sezen S., Hacimüftüoğlu A.
International IVEK BIO Congress, İstanbul, Turkey, 26 - 28 November 2018, pp.219

12. Lethal effect of amlodipine and metformin on neuroblastoma cell line

BAYRAM C., TAGHIZADEHGHALEHJOUGHİ A., HACİMÜFTÜOĞLU A.

3RD INTERNATIONAL CONGRESS OF TURKISH NEUROENDOCRINOLOGY SOCIETY, 29 May - 01 June 2018

Academic and Administrative Experience

2023 - Continues	Head of Department	Ataturk University, Veteriner Fakültesi, Klinik Öncesi Bilimleri
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Courses

Toksikoloji, Undergraduate, 2023 - 2024, 2022 - 2023

Farmakoloji II, Undergraduate, 2023 - 2024, 2022 - 2023

Olgunlaşma Eğitimi, Undergraduate, 2023 - 2024, 2022 - 2023

Farmakoloji, Associate Degree, 2022 - 2023

Farmakoloji, Undergraduate, 2023 - 2024

Farmakoloji I, Undergraduate, 2023 - 2024

Farmakoloji, Undergraduate, 2023 - 2024

Activities in Scientific Journals

Recent Trends in Pharmacology, Committee Member, 2024 - Continues

Current Research in Health Sciences, Committee Member, 2023 - Continues

Scientific Refereeing

Eurasian Journal of Molecular and Biochemical Sciences, National Scientific Refreed Journal, November 2022

PHYTOTHERAPY RESEARCH, SCI Journal, October 2022

PHYTOTHERAPY RESEARCH, SCI Journal, September 2022

Congress and Symposium Activities

Sodeii 2022 Symposium of Disaster & Emergency - Information & Intervention: Information Management and Response in Disaster and Emergencies, Working Group, Erzurum, Turkey, 2022

World Congress on Applied Nanotechnology (W-CAN), Working Group, Erzurum, Turkey, 2021

Research Areas

Medicine, Internal Medicine Sciences, Pharmacology and Clinical Pharmacology, Medical Pharmacology and Toxicology, Veterinary Sciences, Pre-Clinical Sciences, Veterinary Pharmacology and Toxicology, Health Sciences