

Asst. Prof. Yasemin Kbra AKYEL

Personal Information

Email: yasemin.akyel@medipol.edu.tr

Web: <https://avesis.medipol.edu.tr/yasemin.akyel>

International Researcher IDs

ORCID: 0000-0002-1734-8340

Publons / Web Of Science ResearcherID: ISS-1409-2023

ScopusID: 57215816167

Yoksis Researcher ID: 367659

Education Information

Doctorate, Istanbul University, Saęlık Bilimleri Enstits, Farmakoloji (Dr), Turkey 2015 - 2021

Undergraduate, Istanbul University, Eczacılık Fakltesi, Eczacılık Pr., Turkey 2010 - 2015

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Kapesitabinin faredeki kronofarmakokinetięinin incelenmesi, Istanbul University, Saęlık Bilimleri Enstits, Farmakoloji (Dr), 2021

Research Areas

Medicine, Pharmacology and Therapeutics

Academic Titles / Tasks

Researcher, University of North Carolina at Chapel Hill, School of Medicine, Biochemistry and Biophysics, 2022 - Continues

Assistant Professor, Istanbul Medipol University, Tıp Fakltesi, Dahili Tıp Bilimleri Blm, 2022 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- Dosing-time, feeding, and sex-dependent variations of everolimus pharmacokinetics in mice.**
Ozturk Civelek D., Ozturk Seyhan N., Akyel Y. K., Gazioglu I., Pala Kara Z., Orman M. N., Okyar A.
Fundamental & clinical pharmacology, 2024 (SCI-Expanded)
- The role of the circadian timing system on drug metabolism and detoxification: an update**
OKYAR A., ZTRK CİVELEK D., AKYEL Y. K., Surme S., PALA KARA Z., Kavakli İ. H.

- Expert Opinion on Drug Metabolism and Toxicology, vol.20, no.6, pp.503-517, 2024 (SCI-Expanded)
- III. **TW68, cryptochromes stabilizer, regulates fasting blood glucose levels in diabetic ob/ob and high fat-diet-induced obese mice**
Surme S., Ergun C., Gul S., Akyel Y. K., Gul Z. M., Ozcan O., Ipek Ö., Akarlar B. A., Ozlu N., Taşkın A. C., et al.
Biochemical Pharmacology, vol.218, 2023 (SCI-Expanded)
- IV. **Circadian Dysfunction in Adipose Tissue: Chronotherapy in Metabolic Diseases**
CİVELEK E., ÖZTÜRK CİVELEK D., AKYEL Y. K., KALELİ DURMAN D., OKYAR A.
Biology, vol.12, no.8, 2023 (SCI-Expanded)
- V. **Diurnal Changes in Capecitabine Clock-Controlled Metabolism Enzymes Are Responsible for Its Pharmacokinetics in Male Mice**
Akyel Y. K., ÖZTÜRK CİVELEK D., ÖZTÜRK SEYHAN N., GÜL Ş., Gazioglu I., PALA KARA Z., Lévi F., Kavaklı I. H., OKYAR A.
Journal of Biological Rhythms, vol.38, no.2, pp.171-184, 2023 (SCI-Expanded)
- VI. **Discovery of a small molecule that selectively destabilizes Cryptochrome 1 and enhances life span in p53 knockout mice**
Gul S., Akyel Y. K., Gul Z. M., Isin S., Ozcan O., Korkmaz T., Selvi S., Danis I., Ipek Ö., Aygenli F., et al.
Nature Communications, vol.13, no.1, 2022 (SCI-Expanded)
- VII. **A CLOCK-binding small molecule disrupts the interaction between CLOCK and BMAL1 and enhances circadian rhythm amplitude**
Doruk Y. U., Yarparvar D., Akyel Y. K., Gul S., Taskin A. C., Yilmaz F., Baris I., Ozturk N., Türkay M., Ozturk N., et al.
Journal of Biological Chemistry, vol.295, no.11, pp.3518-3531, 2020 (SCI-Expanded)

Articles Published in Other Journals

- I. **The association of ABCC5 and ABCC11 polymorphisms with the pharmacokinetics of 5-FU in advanced gastric cancer patients**
PALA KARA Z., ÖZTAŞ E., ÖZTÜRK CİVELEK D., AKYEL Y. K., TURNA Z. H., OKYAR A., ÖZHAN G.
CLINICAL AND EXPERIMENTAL HEALTH SCIENCES, vol.10, pp.285-291, 2020 (ESCI)
- II. **Pharmacist's Role in Pharmacotherapeutic Management of Alzheimer's Disease**
ÇARÇAK YILMAZ N., ALTUNTAŞ M., AKYEL Y. K., UYDEŞ DOĞAN B. S.
JOURNAL OF PHARMACY OF ISTANBUL UNIVERSITY, vol.47, no.1, pp.1-4, 2017 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Dosing-time and cryptochrome dependent changes in oxaliplatin tolerability and pharmacokinetics**
ÖZTÜRK SEYHAN N., AKYEL Y. K., GÜL Ş., ÇELİK M., TAŞKIN A. C., SANCAR A., KAVAKLI İ. H., OKYAR A.
26th National and 1st International Pharmacology Congress, 4 - 06 November 2021
- II. **Dosing-time dependent pharmacokinetics of capecitabine and its metabolites in male mice**
AKYEL Y. K., ÖZTÜRK CİVELEK D., ÖZTÜRK SEYHAN N., GAZİOĞLU I., PALA KARA Z., KAVAKLI İ. H., OKYAR A.
26th National and 1st International Pharmacology Congress, 4 - 06 November 2021
- III. **Anemi tedavisinde akılcı ilaç kullanımı ve eczacının rolü**
AKYEL Y. K., ALP YILDIRIM F. İ., UYDEŞ DOĞAN B. S.
IVEK 2015 Kongresi, İstanbul, Turkey, 27 November 2015
- IV. **Everolimusun kronofarmakokinetiği: Uygulama zamanı, cinsiyet ve beslenme durumunun etkisi**
ÖZTÜRK CİVELEK D., ÖZTÜRK SEYHAN N., AKYEL Y. K., PALA KARA Z., OKYAR A.
25. Ulusal Farmakoloji Kongresi, Aydın, Turkey, 03 November 2019
- V. **mTOR inhibitörü everolimusun yaşa bağlı farmakokinetiği**
ÖZTÜRK F., AKYEL Y. K., ÖZTÜRK CİVELEK D., ÖZTÜRK SEYHAN N., PALA KARA Z., OKYAR A.
25. Ulusal Farmakoloji Kongresi, Aydın, Turkey, 3 - 07 November 2019

- VI. **Circadian and sex-dependent pharmacokinetics of everolimus and implications of chronotherapy**
ÖZTÜRK CİVELEK D., ÖZTÜRK SEYHAN N., AKYEL Y. K., PALA KARA Z., OKYAR A.
XVI. Congress of the European Biological Rhythms Society, Lyon, France, 25 - 29 August 2019
- VII. **Astım ve KOAH tedavisinde akılcı ilaç kullanımı ve eczacının rolü**
ÖZTÜRK SEYHAN N., AKYEL Y. K., EKŞİ E. Ş., UYDEŞ DOĞAN B. S., OKYAR A.
24. Ulusal Farmakoloji Kongresi, Trabzon, Turkey, 17 October 2017
- VIII. **Alzheimer hastalarına yönelik farmakoterapi uygulamalarında eczacının rolü**
ÇARÇAK YILMAZ N., AKYEL Y. K., ALTUNTAŞ M., ÖZTÜRK SEYHAN N., UYDEŞ DOĞAN B. S.
3. Ulusal Klinik Eczacılık Farmasötik Bakım Kongresi, Antalya, Turkey, 09 February 2017

Supported Projects

Akyel Y. K., Project Supported by Higher Education Institutions, Resveratrolün everolimus farmakokinetiğine etkisinin sıçanlarda incelenmesi, 2022 - 2024

Akyel Y. K., Project Supported by Higher Education Institutions, P-glikoprotein ve Cyp3a ekspresyonunun yaşa bağlı değişiminin araştırılması, 2020 - 2022

AKYEL Y. K., Project Supported by Higher Education Institutions, Kapesitabinin Faredeki Kronofarmakokinetiğinin İncelenmesi, 2018 - 2021

AKYEL Y. K., Project Supported by Higher Education Institutions, Kriptokrom nakavt farelerde oksaliplatin kronofarmakokinetiğinin ve oksaliplatinin karaciğerdeki etkilerinin genom düzeyinde incelenmesi, 2017 - 2021

AKYEL Y. K., Project Supported by Higher Education Institutions, mTOR inhibitörü everolimusun yaşa bağlı farmakokinetiğinin incelenmesi, 2017 - 2019

CRY Proteinini Yıkımını Hızlandıran Sentetik Moleküllerin Kanser Tedavisinde Kullanımı, 2016 - 2019

Memberships / Tasks in Scientific Organizations

Turkish Pharmacology Association, Member, 2015 - Continues, Turkey

Scientific Refereeing

BIOCHEMICAL PHARMACOLOGY, National Scientific Refreed Journal, December 2023

Scientific Consultations

Centurion Pharma, Scientific Consultancy, Istanbul Medipol University, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, Turkey, 2022 - 2022

Scholarships

2219- Prof. Dr. Aziz Sancar Overseas Postdoctoral Research Scholarship Programme, TÜBİTAK, 2022 - Continues