

Asst. Prof. EREN AYTEKİN

Personal Information

Office Phone: [+90 312 305 1241](tel:+903123051241)

Email: erenaytekin@hacettepe.edu.tr

Web: <https://avesis.hacettepe.edu.tr/erenaytekin>

International Researcher IDs

ORCID: 0000-0002-7146-326X

ScopusID: 57189264449

Yoksis Researcher ID: 214414

Education Information

Undergraduate, Hacettepe University, Eczacılık Fakültesi, Turkey 2009 - 2014

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Pharmacology and Therapeutics, Pharmaceutics Technology, Pharmaceutical Technology, Health Sciences

Academic Titles / Tasks

Assistant Professor, Hacettepe University, Eczacılık Fakültesi, Eczacılık Teknolojisi Bölümü, 2023 - Continues

Research Assistant, Hacettepe University, Eczacılık Fakültesi, Eczacılık Teknolojisi Bölümü, 2014 - 2023

Published journal articles indexed by SCI, SSCI, and AHCI

- Optimization of Glyburide-Loaded Nanosuspensions *via* Ball Milling and Homogenization Techniques: A Central Composite Design Approach for Enhanced Solubility**
Gungor D., AYTEKİN E., AKDAĞ ÇAYLI Y., ŞAHİN S., GÜLSÜN İNAL T.
CURRENT PHARMACEUTICAL DESIGN, 2024 (SCI-Expanded)
- Gingerol containing polymeric nanofibers: a healing touch for accelerated wound recovery**
Polat H. K., GÖZCÜ S., ÜNAL S., Pacaci T., AYTEKİN E., KARAKUYU N. F., KÖNGÜL ŞAFAK E., Gultekin Y., Yaziksiz Y., Kurt N.
DRUG DEVELOPMENT AND INDUSTRIAL PHARMACY, no.7, pp.706-719, 2024 (SCI-Expanded)
- Harnessing silk fibroin microparticles for metformin delivery: A novel approach to treating corneal neovascularization**
Polat H. K., AYTEKİN E., KARAKUYU N. F., Çaylı Y. A., ÇALAMAK S., Demirci N., ÜNAL S., Kurt N., Çırak R., Erkan E., et al.
Journal of Drug Delivery Science and Technology, vol.96, 2024 (SCI-Expanded)

- IV. **Formulation of hesperidin-loaded in situ gel for ocular drug delivery: a comprehensive study**
GÖZCÜ S., Polat H. K., Gültekin Y., ÜNAL S., KARAKUYU N. F., Şafak E. K., Doğan O., PEZİK E., HAYDAR M. K., AYTEKİN E., et al.
Journal of the Science of Food and Agriculture, 2024 (SCI-Expanded)
- V. **Formulation Development of Dual Drug-Loaded Thermosensitive Ocular In Situ Gel Using Factorial Design**
Polat H. K., Arslan A., ÜNAL S., HAYDAR M. K., AYTEKİN E., GÖZCÜ S., KARAKUYU N. F., Mokhtare B.
Journal of Pharmaceutical Innovation, vol.18, no.2, pp.768-788, 2023 (SCI-Expanded)
- VI. **Formulation development of Lornoxicam loaded heat triggered ocular in-situ gel using factorial design**
Polat H. K., ÜNAL S., AYTEKİN E., KARAKUYU N. F., PEZİK E., HAYDAR M. K., Kurt N., Doğan O., Mokhtare B.
Drug Development and Industrial Pharmacy, vol.49, no.9, pp.601-615, 2023 (SCI-Expanded)
- VII. **Design of Besifloxacin HCl-Loaded Nanostructured Lipid Carriers: In Vitro and Ex Vivo Evaluation**
POLAT H. K., Kurt N., AYTEKİN E., AKDAĞ ÇAYLI Y., Pehlivan S., ÇALIŞ S.
JOURNAL OF OCULAR PHARMACOLOGY AND THERAPEUTICS, vol.38, no.6, pp.412-423, 2022 (SCI-Expanded)
- VIII. **Novel Drug Delivery Systems to Improve the Treatment of Keratitis**
POLAT H. K., Kurt N., AYTEKİN E., Pehlivan S. B., ÇALIŞ S.
JOURNAL OF OCULAR PHARMACOLOGY AND THERAPEUTICS, vol.38, no.6, pp.376-395, 2022 (SCI-Expanded)
- IX. **Corneal cross-linking approaches on keratoconus treatment**
AYTEKİN E., Pehlivan S. B.
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, vol.63, 2021 (SCI-Expanded)
- X. **Design of ocular drug delivery platforms and in vitro - in vivo evaluation of riboflavin to the cornea by non-interventional (epi-on) technique for keratoconus treatment**
AYTEKİN E., ÖZTÜRK N., Vurla İ., POLAT H. K., Cakmak H. B., ÇALIŞ S., Pehlivan S. B.
Journal of Controlled Release, vol.324, pp.238-249, 2020 (SCI-Expanded)
- XI. **Development of besifloxacin HCl loaded nanofibrous ocular inserts for the treatment of bacterial keratitis: In vitro, ex vivo and in vivo evaluation**
POLAT H. K., Pehlivan S. B., Ozkul C., ÇALAMAK S., Ozturk N., AYTEKİN E., FIRAT A., ULUBAYRAM K., KOCABEYOĞLU S., Irkeç M., et al.
INTERNATIONAL JOURNAL OF PHARMACEUTICS, vol.585, 2020 (SCI-Expanded)
- XII. **Design and in vitro evaluation of tenofovir-loaded vaginal gels for the prevention of HIV infections.**
TIMUR S. S., ŞAHİN A., AYTEKİN E., ÖZTÜRK N., POLAT K., TEZEL N., Gürsoy R. N., ÇALIŞ S.
Pharmaceutical development and technology, vol.23, pp.301-310, 2018 (SCI-Expanded)
- XIII. **Development and evaluation of orally disintegrating tablets comprising taste-masked mirtazapine granules**
Yıldız S., AYTEKİN E., Yavuz B., Pehlivan S. B., VURAL İ., UNLU N.
PHARMACEUTICAL DEVELOPMENT AND TECHNOLOGY, vol.23, no.5, pp.488-495, 2018 (SCI-Expanded)
- XIV. **Nanoscience in Targeted Brain Drug Delivery**
ÇETİN M., AYTEKİN E., YAVUZ B., Bozdag-Pehlivan S.
NANOTECHNOLOGY METHODS FOR NEUROLOGICAL DISEASES AND BRAIN TUMORS: DRUG DELIVERY ACROSS THE BLOOD-BRAIN BARRIER, pp.117-147, 2017 (SCI-Expanded)
- XV. **Formulation studies for mirtazapine orally disintegrating tablets**
YILDIZ S., AYTEKİN E., Yavuz B., Pehlivan S., UNLU N.
DRUG DEVELOPMENT AND INDUSTRIAL PHARMACY, vol.42, no.6, pp.1008-1017, 2016 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Kuru Göz Hastalığının Tedavisinde Timokinon ve Çörek Otu Formülasyonları Uygulamasının Etkinliğinin Histopatolojik Olarak İncelenmesi**
FIRAT A., DİKMETAŞ Ö., PEHLİVAN S., KOCABEYOĞLU S., İRKEÇ M. T., AYTEKİN E., ÇANKAYA İ. İ.

22. Ulusal Anatomi Kongresi, Ankara, Turkey, 13 - 17 October 2021

- II. **Ex-Vivo And In-Vivo Evaluation of Riboflavin Containing Solid Lipid Nanoparticles For The Treatment Of Keratoconus Disease**
AYTEKİN E., PEHLİVAN S., ÇALIŞ S.
8th BBBB International Conference on Pharmaceutical Sciences, Turkey, 14 - 16 October 2019
- III. **In Vitro Evaluation of Ocular Insert Formulations Contaning Besifloxacin HCl**
POLAT H. K., ÇALAMAK S., AYTEKİN E., PEHLİVAN S., ULUBAYRAM K., ÇALIŞ S.
8th BBBB International Conference on Pharmaceutical Sciences, Turkey, 14 - 16 October 2019
- IV. **Development of Besifloxacin HCl Loaded Insert Formulations for the Treatment of Bacterial Keratitis**
POLAT H. K., ÇALAMAK S., AYTEKİN E., PEHLİVAN S., ULUBAYRAM K., ÇALIŞ S.
8th BBBB International Conference on Pharmaceutical Sciences, Turkey, 14 - 16 October 2019
- V. **Fluorescence Labeled Nanostructured Lipid Carriers: Uptake by RG2 Glioma Cells**
TEKE B., ÇAKIR AKTAŞ C., AYTEKİN E., PEHLİVAN S., MUT AŞKUN M.
8th BBBB, 14 - 16 October 2019
- VI. **Investigation of Riboflavin and Riboflavin-5-Phosphate Sodium Release from Ocular Hydrogels**
AYTEKİN E., PEHLİVAN S., ÇALIŞ S.
12th International Symposium on Pharmaceutical Sciences, Turkey, 26 - 29 June 2018
- VII. **Development of Solid Lipid Nanoparticles Containing Riboflavin By Factorial Design**
AYTEKİN E., PEHLİVAN S., ÇALIŞ S.
European Federation for Pharmaceutical Sciences – EUFEPS Annual Meeting 2018, Greece, 24 - 26 May 2018
- VIII. **Development and Characterization Of Thermosensitive Hydrogel Systems Containing Riboflavin-5 Phosphate Sodium**
AYTEKİN E., PEHLİVAN S., ÇALIŞ S.
2nd International Gazi Pharma Symposium Series, Ankara, Turkey, 11 - 13 October 2017
- IX. **IN VITRO PERMEATION STUDY FOR ORALLY DISINTEGRATING TABLETS CONTAINING MIRTAZAPINE**
yıldız s., AYTEKİN E., YAVUZ B., PEHLİVAN S., VURAL İ., Ünlü N.
2nd International Gazi Symposium Series, 11 - 13 October 2017
- X. **Development of Electrospun Nanofiber-Based Implants Coated with Different Polymers for Topical Ocular Therapy**
POLAT H. K., ÇALAMAK S., AYTEKİN E., PEHLİVAN S., ULUBAYRAM K., ÇALIŞ S.
The 22nd Biomedical Science and Technology Symposium, 12 - 14 May 2017
- XI. **Dexamethasone Loaded Electrospun Nanofiber Based Implants for Topical Ocular Therapy**
POLAT H. K., ÇALAMAK S., AYTEKİN E., PEHLİVAN S., ULUBAYRAM K., ÇALIŞ S.
18th International Pharmaceutical Technology Symposium, 18 - 21 September 2016
- XII. **Effects of Different Fillers and Disintegrants on Mirtazapine Orally Disintegrating Tablet caharacteristics**
Yıldız S., AYTEKİN E., YAVUZ B., PEHLİVAN S., Ünlü N.
GPSS 2015, 12 - 15 November 2015

Supported Projects

DİKMETAŞ Ö., ÇANKAYA İ. İ., PEHLİVAN S., KOCABEYOĞLU S., FIRAT A., AYTEKİN E., İRKEÇ M. T., Project Supported by Higher Education Institutions, Kuru göz hastalığının tedavisinde Timokinon ve Çörek Otu Sabit Yağı formülasyonlarının uygulaması etkinliğinin deneysel ve histopatolojik olarak incelenmesi, 2020 - 2021

PEHLİVAN S., AYTEKİN E., Project Supported by Higher Education Institutions, Farklı Kaplama Oranlarına Sahip Tat Maskeli Mirtazapin Granülleri İçeren Ağzıda Dağılan Tabletlerin Karakterizasyonu, 2015 - 2016

Metrics

Publication: 31

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Citation (Scopus): 84

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H-Index (Scopus): 5