

Asst. Prof. FIRAT YERLİKAYA

Personal Information

Email: firat.yerlikaya@lokmanhekim.edu.tr

Web: <https://avesis.lokmanhekim.edu.tr/firat.yerlikaya>

International Researcher IDs

ScholarID: 90Mb2-wAAAAJ

ORCID: 0000-0003-4648-3258

Publons / Web Of Science ResearcherID: F-1301-2019

ScopusID: 36093639800

Yoksis Researcher ID: 282386

Education

Doctorate, Hacettepe University, Sağlık Bilimleri Enstitüsü, Farmasötik Teknoloji (Dr), Turkey 2009 - 2013

Postgraduate, Hacettepe University, Sağlık Bilimleri Enstitüsü, Farmasötik Teknoloji (Yl) (Tezli), Turkey 2007 - 2009

Undergraduate, Hacettepe University, Eczacılık Fakültesi, Eczacılık Pr. (4 Yıllık), Turkey 2001 - 2006

Dissertations

Doctorate, Paklitaksel nanopartiküllerinin kalite tasarımı ile geliştirilmesi ve değerlendirilmesi, Hacettepe University, Sağlık Bilimleri Enstitüsü, Farmasötik Teknoloji (Dr), 2013

Postgraduate, Akciğere hedeflendirilmesi planlanan, klaritromisin içeren nano/mikropartikül ve nanokompozit formülasyonlarının hazırlanması ve in vitro karakterizasyonu, Hacettepe University, Sağlık Bilimleri Enstitüsü, Farmasötik Teknoloji (Yl) (Tezli), 2009

Research Areas

Pharmaceutical Technology

Academic Positions

Assistant Professor, Lokman Hekim University, Eczacılık Fakültesi, Eczacılık Teknolojisi Bölümü, 2018 - Continues

Academic and Administrative Experience

Lokman Hekim University, 2018 - 2020

Courses

Postgraduate

Farmasötik Dozaj Formları, Postgraduate, 2020 - 2021, 2019 - 2020

Undergraduate

Farmasötik Teknoloji I, Undergraduate, 2020 - 2021

Farmasötik Teknoloji I Laboratuvar, Undergraduate, 2020 - 2021

Associate Degree

İlaç Şekilleri ve Tibbi Malzeme, Associate Degree, 2020 - 2021

Supervised Theses

Yerlikaya F., Kafein ve Trikalsiyum Fosfat Kullanılan, Direkt Baskı Yöntemi ile Üretilen Tablet Formülasyonlarının Geliştirilmesi ve Karakterizasyonu, Postgraduate, E.CANSU(Student), 2024

Journal articles indexed in SCI, SSCI, and AHCI

- I. **A Novel Method for Development and Validation of the Degradation Products Analysis of N-Carbamylglutamate with UHPLC by Using Design of Experiment Approach**
Arabaci B., YERLİKAYA F., BAŞCI AKDUMAN N. E.
ACS Omega, 2024 (SCI-Expanded)
- II. **Development and in vitro evaluation of doxorubicin and celecoxib co-loaded bone targeted nanoparticles**
Kozlu S., Sahin A., Ultav G., Yerlikaya F., ÇALIŞ S., ÇAPAN Y.
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, vol.45, pp.213-219, 2018 (SCI-Expanded)
- III. **Development and validation of a stability-indicating ultra-performance liquid chromatography (UPLC) method for doxycycline hydiate: An optimization of the analytical methodology for a medical countermeasure (MCM) drug**
Mohammad A., Yen C. H., Schneider M., Lowry B., YERLİKAYA F., Whitesell G., Leisssa B., Faustino P. J., Khan S. R.
Analytical Methods, vol.10, no.16, pp.1842-1851, 2018 (SCI-Expanded)
- IV. **A small variation in average particle size of PLGA nanoparticles prepared by nanoprecipitation leads to considerable change in nanoparticles' characteristics and efficacy of intracellular delivery**
ŞAHİN A., ESENDAĞLI G., YERLİKAYA F., Caban-Toktas S., Yoyen-Ermis D., HORZUM U., AKTAŞ Y., Khan M., Couvreur P., ÇAPAN Y.
ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY, vol.45, no.8, pp.1657-1664, 2017 (SCI-Expanded)
- V. **Formulation and process factors influencing product quality and in vitro performance of ophthalmic ointments**
Xu X., Al-Ghabeish M., Rahman Z., Krishnaiah Y. S., YERLİKAYA F., Yang Y., Manda P., Hunt R. L., Khan M. A.
International Journal of Pharmaceutics, vol.493, no.1-2, pp.412-425, 2015 (SCI-Expanded)
- VI. **Development and Evaluation of Paclitaxel Nanoparticles Using a Quality-by-Design Approach**
Yerlikaya F., Ozgen A., VURAL İ., Guven O., Karaagaoglu E., Khan M. A., ÇAPAN Y.
JOURNAL OF PHARMACEUTICAL SCIENCES, vol.102, no.10, pp.3748-3761, 2013 (SCI-Expanded)
- VII. **The influence of technological parameters on the physicochemical properties of blank PLGA nanoparticles**
ÖZTÜRK K., Caban S., Kozlu S., Kadayifci E., YERLİKAYA F., ÇAPAN Y.
Pharmazie, vol.65, no.9, pp.665-669, 2010 (SCI-Expanded)
- VIII. **LC-UV Determination of Melatonin from Chitosan Nanoparticles**
Yerlikaya F., Aktas Y., ÇAPAN Y.
CHROMATOGRAPHIA, vol.71, pp.967-970, 2010 (SCI-Expanded)

Articles Published in Other Journals

- I. **Determination of Caffeine in Human Plasma by Using Liquid Chromatography-Tandem Mass Spectrometry**
YERLİKAYA F., SAĞLAM O.
Cumhuriyet Science Journal, vol.44, no.3, pp.485-490, 2023 (Peer-Reviewed Journal)
- II. **The Bioequivalence Study of Two Dexketoprofen 25 mg Film-Coated Tablet Formulations in Healthy Males Under Fasting Conditions**
YERLİKAYA F., Arslan A., Baş H., Sağlam O., Aytaç S. P.
Turkish Journal of Pharmaceutical Sciences, vol.20, no.2, pp.115-120, 2023 (ESCI)
- III. **The Relative Bioavailability Study of Two Cefdinir Formulations in Healthy Males Under Fasting Conditions**
YERLİKAYA F., ARSLAN A., Atik O., Kozan S., Parlak A., Özel Karataş M., SAĞLAM O., Aytac S. P.
FABAD Journal of Pharmaceutical Sciences, vol.48, no.1, pp.25-36, 2023 (Scopus)
- IV. **The Bioequivalence Study of Two Cefdinir 250 mg/5 mL Oral Suspension Formulations in Healthy Males Under Fasting Conditions**
YERLİKAYA F., Arslan A., Atik Ö., Kozan S., Parlak A., Özel Karataş M., Sağlam O., Aytaç S. P.
Hacettepe University Journal of the Faculty of Pharmacy, vol.43, no.1, pp.43-49, 2023 (Scopus)
- V. **APPLICATION OF PLACKETT-BURMAN DESIGN FOR DEVELOPMENT AND EVALUATION OF A BETAMETHASONE SUSPENSION FOR INJECTION FORMULATION BİR BETAMETAZON ENJEKSİYONLUK SÜSPANSİYON FORMÜLASYONUNUN GELİŞTİRİLMESİ VE DEĞERLENDİRİLMESİ İÇİN PLACKETT-BURMAN TASARIMININ UYGULANMASI**
YERLİKAYA F., Arslan A., Arabaci B., Gençer P., NEMUTLU E.
Ankara Üniversitesi Eczacılık Fakultesi Dergisi, vol.47, no.2, pp.477-489, 2023 (Scopus)
- VI. **Development of paclitaxel and flurbiprofen co-loaded PLGA nanoparticles: understanding critical formulation and process parameters using Plackett-Burman design**
Sahin A., Caban-Toktas S., Tonbul H., Yerlikaya F., AKTAŞ Y., ÇAPAN Y.
ISTANBUL JOURNAL OF PHARMACY, vol.49, no.3, pp.161-166, 2019 (ESCI)
- VII. **A Comparative Evaluation of Polystyrene Divinylbenzene Copolymer HPLC Columns on the Chromatographic Performance of the Compendial Method for Doxycycline Hyolate Capsules: Implications for Method Implementation of a Medical Countermeasure Medication**
YERLİKAYA F., Mohammad A., Faustino P., Khan M. A., Saeed K.
Journal of Analytical Sciences, Methods and Instrumentation, vol.5, no.3, pp.23-34, 2015 (Peer-Reviewed Journal)
- VIII. **Formulation and In Vitro Evaluation of Paclitaxel Loaded Nanoparticles**
Aygul G., YERLİKAYA F., CabanToktas S., Vural I., Capan Y.
Hacettepe University Journal of the Faculty of Pharmacy, vol.33, no.1, pp.25-40, 2013 (Scopus)

Metrics

- Publication: 17
Citation (WoS): 109
Citation (Scopus): 259
H-Index (WoS): 5
H-Index (Scopus): 7