

Personal Information

Email: kerempolat@hacettepe.edu.tr

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

Education Information

Undergraduate, Inonu University, Eczacılık Fakültesi, Turkey 2006 - 2011

Academic Titles / Tasks

Research Assistant, Erzincan Üniversitesi, Eczacılık Fakültesi, Eczacılık Teknolojisi Bölümü, 2014 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **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)
- II. **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)
- III. **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)
- IV. **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)
- V. **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)
- VI. **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)
- VII. **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)

Articles Published in Other Journals

- I. **Development and characterization of in situ gelling system containing atorvastatin-loaded polycaprolactone nanoparticles for periodontal diseases**

ÜNAL S., Doğan O., Polat H. K., AKTAŞ Y.

Journal of Research in Pharmacy, vol.27, no.5, pp.1951-1973, 2023 (ESCI)

Metrics

Publication: 9

Citation (WoS): 33

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