

Asst. Prof. HEYBET KEREM POLAT

Personal Information

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Education Information

Doctorate, Hacettepe University, Eczacılık Fakültesi, Eczacılık Teknolojisi Bölümü, Turkey 2015 - 2020

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

Foreign Languages

Turkish, C1 Advanced

Dissertations

Doctorate, BAKTERİYEL KERATİT TEDAVİSİNE YÖNELİK BESİFLOKSASİN YÜKLÜ OKÜLER İNSSLERİN ELEKTROEGİRME YÖNTEMİ İLE GELİŞTİRİLMESİ VE DEĞERLENDİRİLMESİ, Hacettepe University, Eczacılık Fakültesi, Farmasotik Teknoloji Bölümü, 2020

Research Areas

Health Sciences

Academic Titles / Tasks

Assistant Professor, Erzincan Binali Yıldırım University, Eczacılık Fakültesi, Eczacılık Teknolojisi Bölümü, 2021 - Continues

Academic and Administrative Experience

SOSYAL/KÜLTÜREL ETKİNLİKLER VE SPORİF FAALİYETLER KOMİSYONU, Erzincan Binali Yıldırım University, Eczacılık Fakültesi, Eczacılık Teknolojisi Bölümü, 2021 - Continues

MEZUNİYET VE MEZUN İZLEME KOMİSYONU, Erzincan Binali Yıldırım University, Eczacılık Fakültesi, Eczacılık Teknolojisi Bölümü, 2021 - Continues

FAKÜLTE ÖZ DEĞERLENDİRME KOMİTESİ (FÖDEK), Erzincan Binali Yıldırım University, Eczacılık Fakültesi, Eczacılık Teknolojisi Bölümü, 2021 - Continues

MÜFREDAT GELİŞTİRME KOMİSYONU, Erzincan Binali Yıldırım University, Eczacılık Fakültesi, Eczacılık Teknolojisi Bölümü, 2021 - Continues

Yatay Geçiş-Denklik ve İntibak Alt Komisyonu, Erzincan Binali Yıldırım University, Eczacılık Fakültesi, Eczacılık Teknolojisi

Bölümü, 2021 - Continues

ÖĞRENCİ KONSEYİ SEÇİM KURULU, Erzincan Binali Yıldırım University, Eczacılık Fakültesi, Eczacılık Teknolojisi Bölümü, 2021 - Continues

Courses

Farmasötik Teknoloji 3, Undergraduate, 2021 - 2022

Tıbbi Cihazlar, Undergraduate, 2020 - 2021

Farmasötik Teknoloji Lab. 3, Undergraduate, 2021 - 2022

Yeni İlaç Taşıyıcı Sistemler, Undergraduate, 2021 - 2022

Farmasötik Teknoloji 2, Undergraduate, 2020 - 2021

Endüstri Eczacılığı, Undergraduate, 2021 - 2022

Farmasötik Teknoloji Lab. 2, Undergraduate, 2020 - 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **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.
International Journal Of Pharmaceutics, no.119552, pp.585-597, 2020 (SCI-Expanded)
- II. **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**
Polat H. K.
Journal Of Controlled Release, no.324, pp.238-249, 2020 (SCI-Expanded)
- III. **Design and In vitro Evaluation of Tenofovir – Loaded Vaginal Gels for the Prevention of HIV Infections**
Polat H. K.
Pharmaceutical Development And Technology, vol.23, pp.301-310, 2017 (SCI-Expanded)

Articles Published in Other Journals

- I. **Development of in situ gel containing CUR:HP-β-CD inclusion complex prepared for ocular diseases: Formulation, characterization, anti-inflammatory, antioxidant evaluation and comprehensive release kinetic studies**
ÜNAL S., Polat H. K., YUVALI D., KÖNGÜL ŞAFAK E.
Journal of Research in Pharmacy, vol.27, no.1, pp.97-119, 2023 (Scopus)
- II. **Bakteriyel Keratit Tedavisinde Yeni İlaç Taşıyıcı Sistemlerin Uygulanması**
Polat H. K.
Türkiye Klinikleri Oftalmoloji Dergisi, vol.27, pp.289-301, 2018 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **DEVELOPMENT OF BESIFLOXACIN LOADED NANOSTRUCTURED LIPID CARRIER AND CHARACTERIZATION STUDIES**
POLAT H. K.
20th International Pharmaceutical Technology Symposium (IPTS), 21 February 2022
- II. **INCREASING BESIFLOXACIN SOLUBILITY BY THE DEVELOPMENT OF DRUGCYCLODEXTRIN COMPLEXES WITH SULFOBUTYL ETHER-B-CYCLODEXTRIN**

- POLAT H. K.
20th International Pharmaceutical Technology Symposium (IPTS), 21 February 2022
- III. **INCREASING RIBOFLAVIN SOLUBILITY WITH SULFOBUTYL ETHER-BCYCLODEXTRIN AND FORMATION OF DRUG- CYCLODEXTRIN INCLUSION COMPLEXES**
Polat H. K.
13. International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 22 - 25 June 2021, pp.163
- IV. **DEVELOPMENT AND IN-VITRO IN-VIVO EVALUATION OF HYDROPHILIC GEL FORMULATIONS FOR TREATMENT OF KERATOCONUS BY NON-INVASIVE TECHNIQUE.**
Polat H. K.
13. International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 22 - 25 June 2021, pp.33
- V. **Development of Besifloxacin HCl Loaded Insert Formulations for the Treatment of Bacterial Keratitis**
Polat H. K.
8th BBBB International Conference on Pharmaceutical Sciences, İzmir, Turkey, 14 - 16 October 2018, pp.205-207
- VI. **In Vitro Evaluation of Ocular Insert Formulations Containing Besifloxacin HCl**
Polat H. K.
8th BBBB International Conference on Pharmaceutical Sciences, İzmir, Turkey, 14 - 16 October 2018, pp.202-204
- VII. **Validation of an HPLC Method for the Determination of Besifloxacin HCl from Ocular Insert Based on Polycaprolactone**
Polat H. K.
12th International Symposium on Pharmaceutical Sciences (ISOPS), Ankara, Turkey, 26 - 29 June 2018, pp.309
- VIII. **Development of Electrospun Nanofiber-Based Implants Coated with Different Polymers for Topical Ocular Therapy**
Polat H. K.
The 22nd Biomedical Science and Technology Symposium, BIOMED , Ankara, Turkey, 12 - 14 May 2017, pp.56
- IX. **Dexamethasone-Loaded Electrospun Nanofiber-Based Implants for Topical Ocular Therapy**
Polat H. K.
18th International Pharmaceutical Technology Symposium (IPTS), Antalya, Turkey, 18 September 2016 - 21 September 2017, pp.134-135

Scientific Research / Working Group Memberships

TÜRK FARMASÖTİK TEKNOLOJİ ARAŞTIRMACILARI DERNEĞİ, ERZİNCAN ÜNİVERSİTESİ, Türkiye,
<http://www.tuftad.org.tr/tr/>, 2016 - Continues

Metrics

Publication: 14

Congress and Symposium Activities

IPTS, Attendee, Antalya, Turkey, 2016