

Asst. Prof. ESRA DEMİRTÜRK

Personal Information

Office Phone: [+90 322 338 6060](tel:+903223386060)

Office Phone: [+90 322 338 7334](tel:+903223387334)

Fax Phone: [+90 322 338 7336](tel:+903223387336)

Email: edemirturk@cu.edu.tr

Web: <https://avesis.cu.edu.tr/edemirturk>

Address: Ç.Ü. Eczacılık Fakültesi Eczacılık Teknolojisi Bölümü 01330 Sarıçam Adana

International Researcher IDs

ORCID: 0000-0002-8918-0073

Yoksis Researcher ID: 273329

Education Information

Doctorate, Hacettepe University, Eczacılık Fakültesi, Eczacılık Teknolojisi, Turkey 2000 - 2005

Postgraduate, Hacettepe University, Eczacılık Fakültesi, Eczacılık Teknolojisi, Turkey 1996 - 2000

Undergraduate, Hacettepe University, Eczacılık Fakültesi, Turkey 1992 - 1996

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, COX-2 TÜREVİ BAZI İLAÇLARDA İN VİTRO İN VİVO KORELASYON ÇALIŞMALARI, Hacettepe University, Eczacılık Fakültesi, Eczacılık Teknolojisi Bölümü, 2005

Postgraduate, GLİKLAZİD İÇEREN KONTROLLÜ SALIM SAĞLAYAN PREPARATLARIN HAZIRLANMASI, Hacettepe University, Eczacılık Fakültesi, Eczacılık Teknolojisi Bölümü, 1999

Research Areas

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

Academic Titles / Tasks

Assistant Professor, Cukurova University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2017 - Continues

Research Assistant, Hacettepe University, Eczacılık Fakültesi, Eczacılık Teknolojisi Bölümü, 1996 - 2005

Academic and Administrative Experience

Cukurova University, Farmasötik Teknoloji Anabilim Dalı, Eczacılık Teknolojisi Bölümü, 2017 - Continues
Head of Department, Cukurova University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2017 - 2023
Vice Dean, Cukurova University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2020 - 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Preparation of nanoparticle and nanoemulsion formulations containing repaglinide and determination of pharmacokinetic parameters in rats.**
Demirtürk E., Ugur Kaplan A. B., Cetin M., Dönmez Kutlu M., Köse S., Akilloğlu K.
European journal of pharmaceutical sciences : official journal of the European Federation for Pharmaceutical Sciences, vol.200, pp.106844, 2024 (SCI-Expanded)
- II. **Favipiravir pharmacokinetics in COVID-19 patients with moderate to severe kidney dysfunction: Lessons learned for future use.**
Sürmeliöğlu N., Demirtürk E.
INTERNATIONAL JOURNAL OF CLINICAL PHARMACOLOGY AND THERAPEUTICS, vol.105414204496, pp.1-12, 2024 (SCI-Expanded)
- III. **Assessment of Pharmacokinetic Parameters of Daidzein-Containing Nanosuspension and Nanoemulsion Formulations After Oral Administration to Rats**
DEMİRTÜRK E., UĞUR KAPLAN A. B., ÇETİN M., AKILLIOĞLU K., Kutlu M., Kose S., AKSU F.
EUROPEAN JOURNAL OF DRUG METABOLISM AND PHARMACOKINETICS, vol.47, pp.247-257, 2022 (SCI-Expanded)
- IV. **Development and validation of an HPLC method for determination of rofecoxib in bovine serum albumin microspheres**
DEMİRTÜRK E., NEMUTLU E., ŞAHİN S., ÖNER L.
TURKISH JOURNAL OF CHEMISTRY, vol.44, no.3, pp.647-655, 2020 (SCI-Expanded)
- V. **Preparation and in vitro-in vivo evaluation of rofecoxib containing bovine serum albumin microspheres**
Demirtürk E., Şahin S., Öner L.
LATIN AMERICAN JOURNAL OF PHARMACY, vol.36, no.6, pp.1096-1104, 2017 (SCI-Expanded)

Articles Published in Other Journals

- I. **In vitro evaluation of emulgel formulation for topical application of diclofenac potassium**
DEMİRTÜRK E.
CUKUROVA MEDICAL JOURNAL, vol.49, no.2, pp.371-381, 2024 (ESCI)
- II. **Biyoyararlanım ve Biyoedeğerliği Etkileyen Farmasötik Faktörler: Etkin Maddeye Ait Fiziksel ve Kimyasal Özellikler, Geleneksel Derleme**
DEMİRTÜRK E., ÇEVİKELLİ T., ONAN D.
Literatür Eczacılık Bilimleri Dergisi, vol.13, no.1, pp.35-45, 2024 (Peer-Reviewed Journal)
- III. **Drugs in COVID-19 Therapy and Their Pharmacokinetics**
DEMİRTÜRK E.
ARSIV KAYNAK TARAMA DERGISI, vol.33, no.1, pp.37-47, 2024 (Peer-Reviewed Journal)
- IV. **Preparation of Lidocaine Hydrochloride Containing Chitosan-Based Buccal Films for Mucositis: In-Vitro Evaluation and Cytotoxicity Assay**
Demirtürk E., Çevikelli T., Güven U. M., Boran T., Özhan G.
JOURNAL OF ISTANBUL FACULTY OF MEDICINE-ISTANBUL TIP FAKULTESİ DERGISI, vol.54, no.1, pp.20-31, 2024 (ESCI)
- V. **Synthesis and characterization of Silver Nanoparticles**
DEMİRTÜRK E.

- Novel Approaches in Drug Designing & Development, vol.6, no.5, pp.1-2, 2023 (Peer-Reviewed Journal)
- VI. **Evaluation of Orally Disintegrating Tablet Formulations in The Treatment of Oral Mucositis**
DEMİRTÜRK E., ONAN D., ÇEVİKELLİ T.
Çukurova Anestezi ve Cerrahi Bilimler Dergisi, vol.6, no.3, pp.406-410, 2023 (Peer-Reviewed Journal)
- VII. **Development and validation of an HPLC method for determination of quercetin**
Onan D., Çevikelli T., Güven U. M., Demirtürk E.
Journal of Pharmaceutical Technology published by Mustafa Sinan Kaynak, vol.3, no.1, pp.1-6, 2022 (Peer-Reviewed Journal)
- VIII. **Besin, İlaç ve Varfarin Üçgeninde, Varfarinin Farmakokinetiğinin Değerlendirilmesi**
DEMİRTÜRK E., ÇETİN UYANIKGİL E. Ö.
Süleyman Demirel Üniversitesi Tıp Fakültesi Dergisi, vol.28, no.1, pp.171-178, 2021 (Peer-Reviewed Journal)
- IX. **Release characteristics of gliclazide in a matrix system**
Tatlisoğ M. M., Demirtürk E., Canpolat C.
In Silico Pharmacology volume, vol.9, pp.1-8, 2021 (Peer-Reviewed Journal)
- X. **Preparation, characterization and in-vitro evaluation of theophylline loaded microemulsion formulations**
ÇEVİKELLİ T., ONAN D., DEMİRTÜRK E., GÜVEN U. M.
Journal of Pharmaceutical Technology, vol.1, 2020 (Peer-Reviewed Journal)
- XI. **Evaluation of in vitro dissolution profile comparison methods of immediate release gliclazide tablet formulations**
DEMİRTÜRK E., Öner L.
Hacettepe University Journal of Faculty of Pharmacy, vol.25, no.25, pp.1-10, 2005 (Peer-Reviewed Journal)
- XII. **Solubility and dissolution preoperties of gliclazide**
DEMİRTÜRK E., Öner L.
FABAD J.of Pharmaceutical Sciences, vol.29, pp.21-25, 2004 (Peer-Reviewed Journal)
- XIII. **Preparation of meloxicam tablet formulations and evaluation of in vitro release similarities**
DEMİRTÜRK E., Öner L.
FABAD JOURNAL OF PHARMACEUTICAL SCIENCES, vol.29, pp.53-61, 2004 (Scopus)
- XIV. **Biyoyararlanım ve biyoeşdeğerlik çalışmalarında yüksel değişkenlik gösteren ilaçlar**
DEMİRTÜRK E., ÖNER L.
FABAD JOURNAL OF PHARMACEUTICAL SCIENCES, vol.27, no.3, pp.165-172, 2003 (Scopus)
- XV. **In vitro- in vivo correlations**
DEMİRTÜRK E., Öner L.
FABAD JOURNAL OF PHARMACEUTICAL SCIENCES, vol.28, pp.215-224, 2003 (Scopus)
- XVI. **Biyoyararlanım ve biyoeşdeğerlik çalışmalarında yüksek değişkenlik gösteren ilaçlar**
DEMİRTÜRK E., Öner L.
FABAD JOURNAL OF PHARMACEUTICAL SCIENCES, vol.27, pp.165-172, 2002 (Peer-Reviewed Journal)
- XVII. **Abdominal BT'de oral kontrast madde kullanımı: İyotlu ve baryumlu kontrast maddelerin etkinliğinin karşılaştırılması**
OTO A., HAZIROLAN T., ÖNER F., KAYNARCA DEMİRTÜRK E., TOPLAR S., ORAN M.
Tanısal ve Girişimsel Radyoloji (Yeni Adı: Dİagnostic & Intervent. Radiol), no.5, pp.151-154, 1999 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Farmasötik Tasarımla Kalite ile Hedef Ürün Kalite Profilinin Belirlenmesi**
DEMİRTÜRK E.
in: İlaç Formülasyonu Tasarımında Güncel Yaklaşımlar, Prof. Dr. Emel Öykü Çetin Uyanıkgil, Editor, BİDGE Yayınları, İstanbul, pp.31-47, 2023
- II. **Periodontal Hastalıkların Tedavisi İçin İlaç Taşıyıcı Formülasyonların Geliştirilmesi ve**

Değerlendirilmesi

DEMİRTÜRK E.

in: Sağlık ve Bilim 2023 Ağız ve Diş Sağlığı, Kadriye Ayça Dere, Editor, Efe Akademi Yayınları, Çukurova, pp.249-258, 2023

III. Collagen Supplements

DEMİRTÜRK E., OPSAR G.

in: Health and Science 2022, Hakan Kaya, Arif Süner, Editor, Efe Akademi Yayınları, İstanbul, pp.83-97, 2022

Refereed Congress / Symposium Publications in Proceedings

- I. **Spironolactone inclusion complex for improved solubility: Development and evaluation of an immediate-release tablet formulation**
Demirtürk E.
International Pharmaceutical Technology Symposium, Ankara, Turkey, 9 - 11 September 2024, pp.1-3
- II. **IN VITRO EVALUATION OF EMULGEL AND NANOEMULGEL FORMULATIONS OF DICLOFENAC POTASSIUM FOR TOPICAL APPLICATION**
DEMİRTÜRK E., AÇ Z. Y.
ISOPS 14th International Symposium on Pharmaceutical Sciences, 24 June 2024
- III. **PREPARATION AND IN VITRO EVALUATION OF OPHTHALMIC MICROEMULSION FORMULATIONS OF MOXIFLOXACIN HYDROCHLORIDE**
DEMİRTÜRK E., AKIN G., ONAN D., ÇEVİKELLİ T.
ISOPS 14th International Symposium on Pharmaceutical Sciences, 24 June 2024
- IV. **Evaluation Of Quality By Design Approach In Microemulsion Formulations**
DEMİRTÜRK E., AKIN G.
International Research & Development Studies And Innovatinon Congress, 6 - 07 April 2024
- V. **Diklofenak Potasyum İçeren Farklı Tablet Formülasyonlarının Çözünme Profillerinin Karşılaştırılması**
DEMİRTÜRK E., Turan Ö.
ANATOLIA INTERNATIONAL CONGRESS ON HEALTH SCIENCES AND TECHNOLOGIES RESEARCH, Turkey, 06 October 2023
- VI. **Preparation of quercetin microsphere formulations by solvent evaporation method and evaluation of the formulation factors**
DEMİRTÜRK E., GÖKSU E., ONAN D.
9th World Conference on Pharmaceutica Science and Drug Manufacturing, 1 - 02 December 2021
- VII. **Development of Controlled release Quercetin Microemulsion Based Gel System for Topical Application, an in vitro Evaluation**
ONAN D., ÇEVİKELLİ T., GÜVEN U. M., DEMİRTÜRK E.
ISOPS 13th International Symposium on Pharmaceutical Sciences, 22 - 25 June 2021
- VIII. **Comparison of Lidocain Hydrochloride Film Formulations Prepared by Chitosan Extracted from Metapenaeus Stebbingi Shells and Commercial Chitosans**
DEMİRTÜRK E., GÜVEN U. M., ÇEVİKELLİ T.
8th BBBB International Conference on Pharmaceytical Sciences, 14 - 16 October 2019
- IX. **COMPARISON OF LIDOCAIN HYDROCHLORIDE FILM FORMULATIONS PREPARED BY CHITOSAN EXTRACTED FROM METAPENAEUS STEBBINGI SHELLS WITH COMMERCIAL CHITOSANS**
DEMİRTÜRK E., GÜVEN U. M., ÇEVİKELLİ T.
8th BBBB International Conference on Pharmaceutical Sciences, İzmir, Turkey, 14 - 16 October 2019, vol.1
- X. **Çukurova Üniversitesi Eczacılık Fakültesi Eczacılık Eğitiminde Sosyal Sorumluluk Projelerinin Yeri ve Önemi**
GÜVEN U. M., AYGÜL A., DEMİRTÜRK E., TARI Ö., DEMİRCİ KAYIRAN S., AYDINOĞLU F., ALPTEKİN Ö., AYDINOĞLU S., BÜYÜKNACAR H. S., ÇIRALIGİL P., et al.

II. Ulusal Eczacılık Eğitimi ve Akreditasyon Kongresi, 10 - 11 May 2018

- XI. **Çukurova Üniversitesi Eczacılık Fakültesi Lisans Eğitiminde Entegre Sistem Modülü: Akılcı Antibiyotik Kullanımı Modülü**
BÜYÜKNACAR H. S., AYDINOĞLU F., ÇIRAGİL P., DEMİRTÜRK E., ÖĞÜLENER N.
II. Ulusal Eczacılık Eğitimi ve Akreditasyon Kongresi, 10 - 11 May 2018
- XII. **Preparation and evaluation of lyophilized orally disintegrating tablets containing terbutalin sulphate**
DEMİRTÜRK E., Çetin M., Öner L., Şahin S.
18th International Pharmaceutical Technology Symposium, Antalya, Turkey, 18 - 21 September 2016, vol.1, pp.175-176
- XIII. **Development and validation of an HPLC method for determination of rofecoxib**
DEMİRTÜRK E., Şahin S., Öner L.
18th International Pharmaceutical Technology Symposium, Antalya, Turkey, 18 - 21 September 2016, vol.1, pp.147-149
- XIV. **Development and in vitro evaluation of deferasirox orally disintegrating tablets by lyophilization method**
DEMİRTÜRK E., Öner L., Şahin S.
18th International Pharmaceutical Technology Symposium, Antalya, Turkey, 18 - 21 September 2016, vol.1, pp.234-236
- XV. **Evaluation of dissolution profile comparison methods of immediate release gliclazide tablet formulations**
DEMİRTÜRK E., ÖNER L.
Globalization of Pharmaceutics Education network (GPEN), 26 - 28 May 2004
- XVI. **In vitro characterisation of rofecoxib loaded bovine serum albumin microspheres**
DEMİRTÜRK E.
30th Annual Meeting and Exposition of the Controlled Release Society, Glasgow, United Kingdom, 23 July 2003, vol.1, no.1, pp.10-11
- XVII. **Determination of the dissolution properties of meloxicam tablets by using a factorial design study**
DEMİRTÜRK E., Şahin S., Öner L.
4th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology, Florence, Italy, 8 - 11 November 2002, vol.-
- XVIII. **Solubility and dissolution properties of gliclazide active ingredient**
KAYNARCA DEMİRTÜRK E., ÖNER L., KAS H. S.
1th International Pharmaceutical Technology Symposium, 11 - 13 September 2000
- XIX. **Fluidized bed coating method for coating gliclazide particles**
DEMİRTÜRK E., Öner L.
3rd World Meeting on Pharmaceutics, Biopharmaceutical Technology, Berlin, Germany, 3 - 06 April 2000, vol.2, no.2, pp.1

Supported Projects

DEMİRTÜRK E., AKIN G., ÇEVİKELLİ T., Onan D., Project Supported by Higher Education Institutions, Moksifloksasin içeren oftalmik mikroemülsiyon formülasyonlarının hazırlanması ve in vitro değerlendirilmesi, 2023 - 2024

KESİKTAŞ E., Karagöz Ceylan Ö. İ., KUYUCU Y., ŞAKER D., DEMİRTÜRK E., Project Supported by Higher Education Institutions, Tavşan Kulağı Modelinde Multi Target Tirozin Kinaz İnhibitörü Regorafenib'in Topikal Formunun Hipertrofik Skar Üzerine Etkisi, 2021 - 2023

SÜRME LİOĞLU N., DEMİRTÜRK E., ÖZYILMAZ E., Project Supported by Higher Education Institutions, Favipiravir Tedavisi Almış ve Böbrek Fonksiyon Bozukluğu Bulunan Hastalarda Favipiravir Farmakokinetiğinin In Vitro Ortamda Değerlendirilmesi, 2021 - 2023

DEMİRTÜRK E., ÇEVİKELLİ T., Onan D., Project Supported by Higher Education Institutions, Diklofenak potasyum içeren tablet formülasyonlarının çözünme profillerinin karşılaştırılması, 2021 - 2022

DEMİRTÜRK E., AKILLIOĞLU K., ÇETİN M., Köse S., AKSU F., Dönmez Kutlu M., UĞUR KAPLAN A. B., Project Supported by Higher Education Institutions, Daidzein nanosüspansiyon nanoemülsiyon formülasyonlarının daidzeinin bağlı biyoyararlanımı üzerindeki etkilerinin incelenmesi, 2020 - 2021

ŞERBETÇİ T., AYGÜL A., DEMİRTÜRK E., Project Supported by Higher Education Institutions, Hypericum perforatum ekstraktları ile nanoküre formülasyonlarının hazırlanması ve antimikrobiyal etkinliklerinin araştırılması, 2019 - 2020

DEMİRTÜRK E., ÇEVİKELLİ T., GÜVEN U. M., Project Supported by Higher Education Institutions, Lidokain Hidroklorür İçeren Film Formülasyonlarının Geliştirilmesi ve in vitro Karakterizasyonu, 2018 - 2020

Memberships / Tasks in Scientific Organizations

Türk Farmasötik Teknoloji Araştırmacıları Derneği, Member, 1996 - Continues

Metrics

Publication: 45

Citation (Scopus): 1

H-Index (WoS): 1

H-Index (Scopus): 1

Congress and Symposium Activities

Comparison of Lidocain HYdrochloride Film Formulations Prepared By Chitosan Extracted From Metapenaeus Stebbingi Shells and Commercial Chitosans, Attendee, İzmir, Turkey, 2019

Çukurova Üniversitesi Eczacılık Fakültesi Lisans Eğitiminde Entegre Sistem Modülü: Akılcı Antibiyotik Kullanımı Modülü, Attendee, Eskişehir, Turkey, 2018

Çukurova Üniversitesi Eczacılık Fakültesi Eczacılık Eğitiminde Sosyal Sorumluluk Projelerinin Yeri ve Önemi, Attendee, Eskişehir, Turkey, 2018

Çukurova Üniversitesi Eczacılık Fakültesi Eczane Uygulamaları, Attendee, Eskişehir, Turkey, 2017

Preparation and evaluation of lyophilized orally disintegrating tablets containing terbutalin sulphate, Attendee, Antalya, Turkey, 2016

Development and in vitro evaluation of deferasirox orally disintegrating tablets by lyophilization method, Attendee, Antalya, Turkey, 2016

Development and validation of an HPLC method for determination of rofecoxib, Attendee, Antalya, Turkey, 2016

Evaluation of dissolution profile comparison methods of immediate release gliclazide tablet formulations, Attendee, Kyoto, Japan, 2004

In vitro characterisation of rofecoxib loaded bovine serum albumin microspheres, Attendee, Glasgow, United Kingdom, 2003

Determination of the dissolution properties of meloxicam tablets by using a factorial design study, Attendee, Florence, Italy, 2002

Solubility and dissolution properties of gliclazide active ingredient, Attendee, İstanbul, Turkey, 2000

Fluidized bed coating method for coating gliclazide particles, Attendee, Berlin, Germany, 2000

Non Academic Experience

SAĞLIK BAKANLIĞI