

Asst. Prof. YAĞMUR AKDAĞ ÇAYLI

Personal Information

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Education Information

Doctorate, Hacettepe Üniversitesi, Eczacılık Fakültesi, Turkey 2011 - 2017

Undergraduate, Hacettepe Üniversitesi, Eczacılık Fakültesi, Turkey 2005 - 2010

Dissertations

Doctorate, Antibiyotik İçeren Kuru Toz İnhaler Formülasyonu Tasarımı ve Permeabilite Çalışmaları, Hacettepe Üniversitesi, Eczacılık Fakültesi, Eczacılık Teknolojisi Bölümü, 2017

Research Areas

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

Academic Titles / Tasks

Research Assistant, Hacettepe Üniversitesi, Eczacılık Fakültesi, Eczacılık Teknolojisi Bölümü, 2011 - Continues

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Development and characterization of metformin hydrochloride- and glyburide-containing orally disintegrating tablets**
GÜLSÜN İNAL T., AKDAĞ ÇAYLI Y., İZAT N., ÇETİN M., ÖNER L., ŞAHİN S.
PHARMACEUTICAL DEVELOPMENT AND TECHNOLOGY, vol.25, no.8, pp.999-1009, 2020 (Journal Indexed in SCI)
- II. **Characterization and comparison of deferasirox fast disintegrating tablets prepared by direct compression and lyophilization methods**
AKDAĞ ÇAYLI Y., GÜLSÜN İNAL T., İZAT N., ÇETİN M., ÖNER L., ŞAHİN S.
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, vol.57, 2020 (Journal Indexed in SCI)
- III. **Comparison of Dissolution Profiles and Apparent Permeabilities of Commercially Available Metformin Hydrochloride Tablets in Turkey**
AKDAĞ ÇAYLI Y., GÜLSÜN İNAL T., İZAT N., ÖNER L., ŞAHİN S.
DISSOLUTION TECHNOLOGIES, vol.27, no.1, 2020 (Journal Indexed in SCI)
- IV. **Cyber-physical-based PAT (CPbPAT) framework for Pharma 4.0**
Barenji R. V. , Akdag Y., YET B., ÖNER L.
INTERNATIONAL JOURNAL OF PHARMACEUTICS, vol.567, 2019 (Journal Indexed in SCI)
- V. **Determination of N-acetylcysteine in the presence of ciprofloxacin or levofloxacin in microparticulate dry powder inhalers**
Akdag Y., ŞAHİN S., NEMUTLU E., ÖNER L.

TURKISH JOURNAL OF CHEMISTRY, vol.43, no.3, pp.846-856, 2019 (Journal Indexed in SCI)

- VI. **Development and evaluation of terbutaline sulfate orally disintegrating tablets by direct compression and freeze drying methods**
Gulsun T., Cayli Y., İZAT N., ÇETİN M., ÖNER L., ŞAHİN S.
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, vol.46, pp.251-258, 2018 (Journal Indexed in SCI)
- VII. **Dry powders for the inhalation of ciprofloxacin or levofloxacin combined with a mucolytic agent for cystic fibrosis patients.**
Akdag C., SAHİN S., BUTTINI F., BALDUCCI A., MONTANARI S., VURAL I., ONER L.
Drug development and industrial pharmacy, vol.43, pp.1378-1389, 2017 (Journal Indexed in SCI Expanded)
- VIII. **Preparation and In Vitro/In Vivo Evaluation of Rofecoxib Containing Bovine Serum Albumin Microspheres**
Demirturk E., Gulsun T., Cayli Y., İZAT N., ŞAHİN S., ÖNER L.
LATIN AMERICAN JOURNAL OF PHARMACY, vol.36, no.6, pp.1096-1104, 2017 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Development of dry powder inhaler formulations for drug delivery systems**
Akdağ Çaylı Y.
Journal of Research in Pharmacy, vol.23, no.6, pp.1-15, 2019 (National Refreed University Journal)
- II. **Development of dry powder inhaler formulations for drug delivery systems**
AKDAĞ ÇAYLI Y.
JOURNAL OF RESEARCH IN PHARMACY, vol.23, no.6, pp.973-987, 2019 (Journal Indexed in ESCI)
- III. **Effect of particle size and surfactant on the solubility, permeability and dissolution characteristics of deferasirox**
Gulsun T., Akdag Y., İZAT N., ÖNER L., ŞAHİN S.
JOURNAL OF RESEARCH IN PHARMACY, vol.23, no.5, pp.851-859, 2019 (Journal Indexed in ESCI)
- IV. **Dry Powder Inhalers: Formulations and Aerodynamic Behaviours**
AKDAĞ ÇAYLI Y., ŞAHİN S., ÖNER L.
Hacettepe University Journal of the Faculty of Pharmacy, vol.38, no.1, pp.39-52, 2018 (Other Refereed National Journals)

Refereed Congress / Symposium Publications in Proceedings

- I. **Effects of Preparation Methods On Orally Disintegrating Tablets**
AKDAĞ ÇAYLI Y., GÜLSÜN İNAL T., İZAT N., ÇETİN M., ÖNER L., ŞAHİN S.
International Multidisciplinary Symposium on Drug Research and Development (DRD 2019, Malatya, Turkey, 1 - 03 July 2019)
- II. **Effects of Preparation Methods on Orally Disintegrating Tablets**
AKDAĞ ÇAYLI Y., GÜLSÜN İNAL T., İZAT N., ÇETİN M., ÖNER L., ŞAHİN S.
International Multidisciplinary Symposium on Drug Research Development (DRD 2019), 1 - 03 July 2019
- III. **Ağız yolu ile uygulanan etkin maddelerin çözünürlük ve permeabilite özelliklerini arttırmak amacıyla formülasyon geliştirme sürecinde kullanılan yöntemler**
AKDAĞ ÇAYLI Y., GÜLSÜN İNAL T., İZAT N., ŞAHİN S., ÖNER L.
2. Ulusal Marmara Eczacılık Kongresi (UMEK-2), Turkey, 14 - 16 November 2018
- IV. **OPTIMIZATION OF NANOSYSTEMS CONTAINING ALBUMIN LINKED PACLITAXEL**
AKDAĞ ÇAYLI Y., MURAT Z., EROĞLU H., ÖNER L.
19th International Pharmaceutical Technology Symposium, 17 - 19 September 2018
- V. **Investigation of deferasirox permeability from lyophilized orally disintegrating tablet**
GÜLSÜN İNAL T., İZAT N., AKDAĞ ÇAYLI Y., ÖNER L., ŞAHİN S.

2017 AAPS Annual Meeting and Exposition, 12 - 15 November 2017

- VI. **Investigation of terbutaline sulfate permeability from orally disintegrating tablets**
İZAT N., AKDAĞ ÇAYLI Y., GÜLSÜN İNAL T., ÖNER L., ŞAHİN S.
2017 AAPS Annual Meeting and Exposition, 12 - 15 November 2017
- VII. **Development and Characterization of Indomethacin and Curcumin Containing Nanofibers**
İNAL M., GÜLSÜN İNAL T., İZAT N., AKDAĞ ÇAYLI Y., ÖNER L., ŞAHİN S.
GPSS 2017, 11 - 13 October 2017
- VIII. **Development and Evaluation of Lyophilized Orally Disintegrating Tablets Containing Metformin Hydrochloride and Glyburide**
AKDAĞ ÇAYLI Y., GÜLSÜN İNAL T., İZAT N., ÇETİN M., ÖNER L., ŞAHİN S.
77th FIP World Congress of Pharmacy and Pharmaceutical Sciences 2017, 10 - 14 September 2017
- IX. **Antibiyotik İçeren Kuru Toz İnhaler Formülasyonları**
AKDAĞ ÇAYLI Y., ŞAHİN S., ÖNER L.
1. Anadolu Üniversitesi Eczacılık Fakültesi Sempozyumu (ANES), Turkey, 1 - 02 June 2017
- X. **Development and Validation of an HPLC method for Simultaneous Determination of Ciprofloxacin Levofloxacin and N acetylcysteine**
AKDAĞ ÇAYLI Y., ŞAHİN S., VURAL İ., ÖNER L.
2016 AAPS Annual Meeting and Exposition, 13 - 17 November 2016
- XI. **Evaluation of Surfactant Effect on the Saturation Solubility and Permeability of Deferasirox**
AKDAĞ ÇAYLI Y., GÜLSÜN İNAL T., İZAT N., ÖNER L., ŞAHİN S.
2016 AAPS Annual Meeting and Exposition, 13 - 17 November 2016
- XII. **Levofloxacin Dry Powder for Inhalation by Spray Drying Method**
AKDAĞ ÇAYLI Y., ŞAHİN S., Buttini F., Balducci A. G. , Montanari S., VURAL İ., ÖNER L.
2016 AAPS Annual Meeting and Exposition, 13 - 17 November 2016
- XIII. **Effect of Particle Size on Deferasirox Dissolution Time**
GÜLSÜN İNAL T., AKDAĞ ÇAYLI Y., İZAT N., ÖNER L., ŞAHİN S.
2016 AAPS Annual Meeting and Exposition, 13 - 17 November 2016
- XIV. **Determination of Permeability of Ciprofloxacin Dry Powder Inhaler Formulations Across Calu 3 Cell Line**
AKDAĞ ÇAYLI Y., ŞAHİN S., VURAL İ., ÖNER L.
2016 AAPS Annual Meeting and Exposition, 13 - 17 November 2016
- XV. **Formulation and Characterization of Mometasone Furoate Monohydrate and Formoterol Fumarate Dihydrate Containing Dry Powder Inhaler Formulations**
AKDAĞ ÇAYLI Y., GÜLSÜN İNAL T., İZAT N., ÖNER L., ŞAHİN S.
2016 AAPS Annual Meeting and Exposition, 13 - 17 November 2016
- XVI. **Development and Evaluation of Terbutaline Sulfate Containing Orally Disintegrating Tablets**
İZAT N., AKDAĞ ÇAYLI Y., GÜLSÜN İNAL T., KAYNAK M. S. , ÖNER L., ŞAHİN S.
2016 AAPS Annual Meeting and Exposition, 13 - 17 November 2016
- XVII. **Determination and Evaluation of Aerodynamic Parameters of Ciprofloxacin and Mucolytic Containing Dry Powder Inhalers**
AKDAĞ ÇAYLI Y., ŞAHİN S., BUTTINI F., BALDUCCI A. G. , MONTANARI S., VURAL İ., ÖNER L.
The Globalization of Pharmaceutics Education Network (GPEN) 2016, 9 - 12 November 2016
- XVIII. **EVALUATION OF PERMEABILITY OF LEVOFLOXACIN CONTAINING DRY POWDER INHALER ACROSS CALU 3 CELL LINE**
AKDAĞ ÇAYLI Y., ŞAHİN S., VURAL İ., ÖNER L.
18th International Pharmaceutical Technology Symposium, 18 - 21 September 2016
- XIX. **Development and In vitro Evaluation of Deferasirox Orally Disintegrating Tablets by Lyophilization Method**
GÜLSÜN İNAL T., İZAT N., AKDAĞ ÇAYLI Y., DEMİRTÜRK E., ÇETİN M., ÖNER L., ŞAHİN S.
18th International Pharmaceutical Technology Symposium, 18 - 21 September 2016
- XX. **Development and Validation of an HPLC Method for Determination of Rofecoxib**

- DEMİRTÜRK E., İZAT N., AKDAĞ ÇAYLI Y., GÜLSÜN İNAL T., ŞAHİN S., ÖNER L.
18th International Pharmaceutical Technology Symposium, 18 - 21 September 2016
- XXI. **Preparation and Evaluation of Lyophilized Orally Disintegrating Tablets Containing Terbutaline Sulphate**
İZAT N., AKDAĞ ÇAYLI Y., GÜLSÜN İNAL T., DEMİRTÜRK E., ÇETİN M., ÖNER L., ŞAHİN S.
18th International Pharmaceutical Technology Symposium, 18 - 21 September 2016
- XXII. **Influence of Verapamil On Metformin Permeability Across Caco 2 Cells**
GÜLSÜN İNAL T., İZAT N., AKDAĞ ÇAYLI Y., ÖNER L., ŞAHİN S.
1st International Gazi Pharma Symposium Series, 12 - 15 November 2015
- XXIII. **Evaluation of Dissolution Results of Commercially Available Metformin Hydrochloride Tablets**
İZAT N., AKDAĞ ÇAYLI Y., GÜLSÜN İNAL T., ÖNER L., ŞAHİN S.
2015 AAPS Annual Meeting and Exposition, 25 - 29 October 2015
- XXIV. **Formulation and Characterization of Ciprofloxacin and Mucolytic Containing Dry Powder Inhaler Formulations**
AKDAĞ ÇAYLI Y., ŞAHİN S., VURAL İ., ÖNER L.
2015 AAPS Annual Meeting and Exposition, 25 - 29 October 2015
- XXV. **Preparation and Evaluation of Deferasirox Containing Orally Disintegrating Tablets by Direct Compression Method**
AKDAĞ ÇAYLI Y., GÜLSÜN İNAL T., İZAT N., ŞAHİN S., ÖNER L.
2015 AAPS Annual Meeting and Exposition, 25 - 29 October 2015
- XXVI. **Development of Metformin Hydrochloride and Glyburide Containing Orally Disintegrating Tablets**
GÜLSÜN İNAL T., İZAT N., AKDAĞ ÇAYLI Y., KAYNAK M. S., ÖNER L., ŞAHİN S.
2015 AAPS Annual Meeting and Exposition, 25 - 29 October 2015
- XXVII. **Formulation and Characterization of Levofloxacin and Mucolytic Containing Dry Powder Inhaler Formulations**
AKDAĞ ÇAYLI Y., ŞAHİN S., VURAL İ., ÖNER L.
3rd International TB-Meeting, 14 - 16 October 2015
- XXVIII. **Permeability studies of orally disintegrating tablets containing deferasirox**
ŞAHİN S., AKDAĞ ÇAYLI Y., GÜLSÜN İNAL T., İZAT N., ÖNER L.
6th BBBB Conference on Pharmaceutical Sciences, 10 - 12 September 2015
- XXIX. **Investigation of permeabilities of metformin and glyburide from orally disintegrating tablets**
ŞAHİN S., GÜLSÜN İNAL T., İZAT N., AKDAĞ ÇAYLI Y., ÖNER L.
6th BBBB Conference on Pharmaceutical Sciences, 10 - 12 September 2015
- XXX. **Investigation of metformin permeability from commercially available metformin hydrochloride tablets**
ŞAHİN S., İZAT N., AKDAĞ ÇAYLI Y., GÜLSÜN İNAL T., ÖNER L.
6th BBBB Conference on Pharmaceutical Sciences, 10 - 12 September 2015
- XXXI. **Formulation and Characterization of Antibiotic and Mucolytic Containing Dry Powder Inhaler Formulations**
AKDAĞ ÇAYLI Y., ŞAHİN S., VURAL İ., ÖNER L.
1st European Conference on Pharmaceutics : Drug Delivery, 13 - 14 April 2015
- XXXII. **Formulation and Characterization of Ciprofloxacin Nanoparticles for Use in Dry Powder Inhalers**
AKDAĞ ÇAYLI Y., ŞAHİN S., VURAL İ., ÖNER L.
17th International Pharmaceutical Technology Symposium, 8 - 10 September 2014

Supported Projects

ÖNER L., AKDAĞ ÇAYLI Y., Project Supported by Higher Education Institutions, ANTİBİYOTİK İÇEREN KURU TOZ İNHALER FORMÜLASYONU TASARIMI VE PERMEABİLİTE ÇALIŞMALARI, 2017 - 2017

TUBITAK Project, Antibiyotik ve Mukolitik İçeren İnhaler Formülasyonu Tasarımı Karakterizasyonu ve Permeabiliteye

Etkilerinin Deęerlendirilmesi, 2014 - 2015

Citations

Total Citations (WOS):29

h-index (WOS):3