

## Personal Information

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## Education Information

Doctorate, Hacettepe Üniversitesi, Sağlık Bilimleri Enstitüsü, Farmasötik Teknoloji Abd, Turkey 2014 - Continues

Undergraduate, Hacettepe Üniversitesi, Eczacılık Fakültesi, Turkey 2009 - 2014

## 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, 2014 - Continues

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

- I. **Hepatic transporter-mediated pharmacokinetic drug-drug interactions: Recent studies and regulatory recommendations**  
İZAT N., ŞAHİN S.  
BIOPHARMACEUTICS & DRUG DISPOSITION, vol.42, pp.45-77, 2021 (Journal Indexed in SCI)
- II. **Bioanalytical Method Validation of an RP-HPLC Method for Determination of Rifampicin in Liver Perfusion Studies**  
İZAT N., KAPLAN O., ÇELEBİER M., ŞAHİN S.  
CURRENT PHARMACEUTICAL ANALYSIS, vol.17, no.7, pp.919-925, 2021 (Journal Indexed in SCI)
- III. **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)
- IV. **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)
- V. **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)
- 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. Brain and the Drug Transporters**

GÜLSÜN İNAL T., İZAT N., ŞAHİN S.

NANOTECHNOLOGY METHODS FOR NEUROLOGICAL DISEASES AND BRAIN TUMORS: DRUG DELIVERY ACROSS THE BLOOD-BRAIN BARRIER, pp.35-67, 2017 (Journal Indexed in SCI)

**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. 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)

## 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 Development (DRD 2019), 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 and Development (DRD 2019, Malatya, Turkey, 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. Influence of Permeability Enhancers on the Paracellular Permeability of Metformin Hydrochloride Across Caco-2 Cells**

İZAT N., GÜLSÜN İNAL T., ŞAHİN S.

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. Evaluation of Spice-Drug Interactions on the Bioavailability of Orally Administrated Drugs**

İZAT N., GÜLSÜN İNAL T., AKSOY H., ŞAHİN S.

2nd International Gazi Pharma Symposium Series (GPSS 2017), 11 - 13 October 2017

**VIII. 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

**IX. 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

- X. **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
- 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. **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
- 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. **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
- XV. **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
- XVI. **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
- XVII. **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
- XVIII. **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
- XIX. **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
- XX. **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
- XXI. **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
- XXII. **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
- XXIII. **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

## Supported Projects

ŞAHİN S., İZAT N., GÜLSÜN İNAL T., Project Supported by Higher Education Institutions, Caco2 Hücrelerden Paraselüler İlaç Permeabilitesi Üzerine Permeabilite Artırıcı Ajanların Etkisinin İncelenmesi, 2017 - 2018

## Citations

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