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Education Information

Doctorate, Hacettepe University, Eczacılık Fakültesi, Farmasötik Teknoloji, Turkey 2010 - 2016

Postgraduate, Hacettepe University, Eczacılık Fakültesi, Farmasötik Teknoloji, Turkey 2006 - 2010

Undergraduate, Hacettepe University, Eczacılık Fakültesi, Turkey 2002 - 2005

Dissertations

Doctorate, İlaçların absorpsiyonu ve permeabilitesi üzerine diyabetin etkisinin incelenmesi, Hacettepe University, Sağlık Bilimleri Enstitüsü, 2016

Postgraduate, Nanoteknoloji uygulaması ile ilaç biyoyararlanımının artırılmasına yönelik yaklaşımlar , Hacettepe Üniversitesi, Sağlık Bilimleri Enstitüsü, Farmasötik Teknoloji (Dr), 2009

Research Areas

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

Academic Titles / Tasks

Associate Professor, Hacettepe University, Eczacılık Fakültesi, Eczacılık Teknolojisi Bölümü, 2021 - Continues

Assistant Professor, Hacettepe University, Eczacılık Fakültesi, Eczacılık Teknolojisi Bölümü, 2018 - Continues

Research Assistant, Hacettepe University, Eczacılık Fakültesi, Eczacılık Teknolojisi Bölümü, 2006 - 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- Optimization of Glyburide-Loaded Nanosuspensions <i>via</i> Ball Milling and Homogenization Techniques: A Central Composite Design Approach for Enhanced Solubility**
Gungor D., AYTEKİN E., AKDAĞ ÇAYLI Y., ŞAHİN S., GÜLSÜN İNAL T.
CURRENT PHARMACEUTICAL DESIGN, 2024 (SCI-Expanded)
- Comparison of free <i>vs.</i> liposomal naringenin in white adipose tissue browning in C57BL/6j mice**
Bas K. U., AĞAÇDİKEN A., Demet E. D. O., Aslan D. T., REÇBER T., Ozturk S. C., GÜLSÜN İNAL T., ÇELEBİER M.,

GÖKTAŞ Z.

JOURNAL OF LIPOSOME RESEARCH, 2024 (SCI-Expanded)

- III. **Electrospun nanofiber drug delivery systems and recent applications: An overview**
Muratoglu S., Inal M., AKDAĞ ÇAYLI Y., GÜLSÜN İNAL T., ŞAHİN S.
Journal of Drug Delivery Science and Technology, vol.92, 2024 (SCI-Expanded)
- IV. **Development and characterization of trimethobenzamide hydrochloride containing orally disintegrating tablets**
Uluhan O. D., GÜLSÜN İNAL T., ŞAHİN S.
Journal of Drug Delivery Science and Technology, vol.88, 2023 (SCI-Expanded)
- V. **Preparation of nanosuspensions of a 1,4-dihydropyridine-based mixed L-/T-type calcium channel blocker by combined precipitation and ultrasonication methods**
PEZİK E., GÜLSÜN İNAL T., GÜNDÜZ M. G., ŞAHİN S., ÖZTÜRK N., VURAL İ.
Journal of Drug Delivery Science and Technology, vol.87, 2023 (SCI-Expanded)
- VI. **The development and characterization of electrospun gelatin nanofibers containing indomethacin and curcumin for accelerated wound healing**
Gulsun T., Inal M., Akdag Y., İZAT N., ÖNER L., ŞAHİN S.
Journal of Drug Delivery Science and Technology, vol.67, 2022 (SCI-Expanded)
- VII. **The Organic Cation Transporter 2 Inhibitor Quinidine Modulates the Neuroprotective Effect of Nerve Growth Factor and Memantine on Cholinergic Neurons of the Basal Nucleus of Meynert in Organotypic Brain Slices**
GÜLSÜN İNAL T., Ucar B., ŞAHİN S., Humpel C.
PHARMACOLOGY, vol.106, pp.390-399, 2021 (SCI-Expanded)
- VIII. **Development and characterization of pullulan-based orally disintegrating films containing amlodipine besylate**
PEZİK E., Gulsun T., ŞAHİN S., VURAL İ.
EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.156, 2021 (SCI-Expanded)
- IX. **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 (SCI-Expanded)
- X. **Assessment of Dose Proportionality of Rivaroxaban Nanocrystals**
Demir H., GÜLSÜN İNAL T., ÖZKAN M. H., NEMUTLU E., ŞAHİN S., ÖNER L.
AAPS PHARMSCITECH, vol.21, no.6, 2020 (SCI-Expanded)
- XI. **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 (SCI-Expanded)
- XII. **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 (SCI-Expanded)
- XIII. **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 (SSCI)
- XIV. **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 (SCI-Expanded)
- XV. **Preparation and characterization of furosemide nanosuspensions**
GÜLSÜN İNAL T., Borna S. E., VURAL İ., ŞAHİN S.

- JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, vol.45, pp.93-100, 2018 (SCI-Expanded)
- XVI. **Preparation and Characterization of Rivaroxaban Nanocrystals Prepared by Combination of Wet Ball Milling and High Pressure Homogenization Methods**
Demir H., GÜLSÜN İNAL T., ŞENER E., ŞAHİN S., ÖNER L.
LATIN AMERICAN JOURNAL OF PHARMACY, vol.37, no.12, pp.2482-2490, 2018 (SCI-Expanded)
- XVII. **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 (SCI-Expanded)
- XVIII. **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 (SCI-Expanded)
- XIX. **Preparation and evaluation of furosemide containing orally disintegrating tablets by direct compression**
Gulsun T., Ozturk N., Kaynak M. S., Vural I., Sahin S.
Pharmazie, vol.72, no.7, pp.389-394, 2017 (SCI-Expanded)
- XX. **Development and Validation of a RP-HPLC Method for Simultaneous Determination of Metformin Hydrochloride, Phenol Red and Metoprolol Tartrate for Intestinal Perfusion Studies**
GÜLSÜN İNAL T., ŞAHİN S.
LATIN AMERICAN JOURNAL OF PHARMACY, vol.35, no.1, pp.50-57, 2016 (SCI-Expanded)
- XXI. **Preparation and characterization of nimesulide containing nanocrystal formulations**
Gulsun T., Budak C., VURAL İ., ŞAHİN S., ÖNER L.
PHARMACEUTICAL DEVELOPMENT AND TECHNOLOGY, vol.18, no.3, pp.653-659, 2013 (SCI-Expanded)
- XXII. **Design and Characterization of Nanocrystal Formulations Containing Ezetimibe**
Gulsun T., GÜR SOY R. N., ÖNER L.
CHEMICAL & PHARMACEUTICAL BULLETIN, vol.59, no.1, pp.41-45, 2011 (SCI-Expanded)

Articles Published in Other Journals

- I. **VIRTUAL BIOEQUIVALENCE APPLICATIONS IN DRUGS**
GÜLSÜN T., DEMİR H., ÖNER L.
Ankara Üniversitesi Eczacılık Fakültesi Dergisi, vol.48, no.3, pp.1163-1179, 2024 (Scopus)
- II. **Formulation and characterization of mometasone furoate and formoterol fumarate containing dry powder inhaler by spray drying and homogenization methods**
AKDAĞ ÇAYLI Y., GÜLSÜN İNAL T., İZAT N., ÖNER L., ŞAHİN S.
JOURNAL OF RESEARCH IN PHARMACY, vol.26, no.2, pp.383-396, 2022 (ESCI)
- III. **Effect of precipitation inhibitors on supersaturation and solubility of furosemide**
GÜLSÜN İNAL T., ÖZTÜRK N., Kara A., ŞAHİN S., VURAL İ.
JOURNAL OF RESEARCH IN PHARMACY, vol.25, no.2, pp.209-217, 2021 (ESCI)
- IV. **Evaluation of preparation methods for orally disintegrating tablets**
AKDAĞ ÇAYLI Y., GÜLSÜN İNAL T., İZAT N., ÇETİN M., ÖNER L., ŞAHİN S.
Medicine Science, vol.9, no.1, pp.259-263, 2020 (Peer-Reviewed Journal)
- V. **Evaluation of drug permeability methods recommended by health authorities**
GÜLSÜN İNAL T., ŞAHİN S.
Medicine Science, vol.9, no.1, pp.261-264, 2020 (Peer-Reviewed Journal)
- VI. **Diabetes and diabetes associated physiologic and pharmacokinetic changes Diyabet ve Diyabete Bağlı Fizyolojik ve Farmakokinetik Değişiklikler**
Gülsün T., ŞAHİN S.
Hacettepe University Journal of the Faculty of Pharmacy, vol.37, no.2, pp.105-123, 2017 (Scopus)

- VII. **Development of Type 1 and Type 2 Diabetes in Rats Using Streptozotocin and Nicotinamide/Streptozotocin**
GÜLSÜN İNAL T., ŞAHİN S.
Hacettepe University Journal of the Faculty of Pharmacy, vol.37, no.1, pp.9-17, 2017 (Peer-Reviewed Journal)
- VIII. **Diabetes and Diabetes Associated Physiologic and Pharmacokinetic Changes**
GÜLSÜN İNAL T., ŞAHİN S.
Hacettepe University Journal of the Faculty of Pharmacy, vol.37, no.2, pp.105-123, 2017 (Peer-Reviewed Journal)
- IX. **Nanocrystal Technology for Oral Delivery of Poorly Water-Soluble Drugs**
GÜLSÜN İNAL T., GÜRSOY R. N., ÖNER L.
FABAD Journal of Pharmaceutical Sciences, vol.34, no.1, pp.55-65, 2009 (Scopus)

Books & Book Chapters

- I. **Physicochemical and Pharmacokinetic Properties of Metformin Hydrochloride**
ŞAHİN S., GÜLSÜN İNAL T.
in: The Pharmacological guide to metformin, Natalie Lajoie, Editor, Nova, pp.35-74, 2020

Refereed Congress / Symposium Publications in Proceedings

- I. **Organotypic brain slice cultures**
GÜLSÜN İNAL T.
International Symposium on Pharmaceutical Sciences-13, Ankara, Turkey, 22 - 25 June 2021
- II. **Biyoeşdeğerlikten Vazgeçme (Biyomuafiyet) İle İlgili Güncel Rehberlerin Değerlendirilmesi**
GÜLSÜN İNAL T., ŞAHİN S.
IV. Uluslar arası Akdeniz Eczacılık Kongresi (MEDPHACON), Mersin, Turkey, 26 - 28 April 2019, vol.8, pp.33
- III. **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
- IV. **Evaluation of Drug Permeability Methods Recommended By Food and Drug Administration**
GÜLSÜN İNAL T., ŞAHİN S.
International Multidisciplinary Symposium on Drug Research and Development (DRD 2019), Malatya, Turkey, 1 - 03 July 2019
- V. **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
- VI. **Standart (iki boyutlu) hücre kültürü çalışmalarının ve üç boyutlu in vitro doku modellerinin eczacılıktaki uygulama alanları**
GÜLSÜN İNAL T., ŞAHİN S.
2. Ulusal Marmara Eczacılık Kongresi (UMEK-2), İstanbul, Turkey, 14 - 16 November 2018
- VII. **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
- VIII. **Effect of permeability enhancers on paracellular transport of furosemide across Caco-2 cell monolayers**
İZAT N., GÜLSÜN İNAL T., ŞAHİN S.
Globalization of Pharmaceutics Education Network: (GPEN-2018), Singapore, 26 September 2018
- IX. **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

- X. **Development and Characterization of trimethobenzamide containing orally disintegrating tablets**
Uluhan Ö. D., GÜLSÜN İNAL T., ŞAHİN S.
19th International Pharmaceutical Technology Symposium (IPTS 2018), Antalya, Turkey, 17 September 2018
- XI. **Examination intestinal permeability of metformin in the presence of glyburide and ketoconazole in Type 2 diabetes**
GÜLSÜN İNAL T., ŞAHİN S.
19th International Pharmaceutical Technology Symposium (IPTS 2018), Antalya, Turkey, 17 September 2018
- XII. **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
- XIII. **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
- XIV. **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
- XV. **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
- XVI. **Effect of repaglinide on the intestinal permeability of metformin hydrochloride in type 2 diabetic rats**
GÜLSÜN İNAL T., ŞAHİN S.
77th FIP World Congress of Pharmacy and Pharmaceutical Sciences 2017, 10 - 14 September 2017
- XVII. **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
- XVIII. **Investigation of intestinal permeability of metformin hydrochloride in the presence of glyburide in type 2 diabetes**
GÜLSÜN İNAL T., ŞAHİN S.
EuroPPS-2017 International Conference on Progressive PharmSciences: Technology, Research and Development, 19 - 21 June 2017
- XIX. **Nanosüspanسیون formülasyonlarının hazırlanmaları ve karakterizasyonları**
GÜLSÜN İNAL T., BORNA S., ŞAHİN S.
Anadolu Üniversitesi Eczacılık Fakültesi Sempozyumu, Turkey, 1 - 02 June 2017
- XX. **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
- XXI. **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
- XXII. **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
- XXIII. **Estimation of Rivaroxaban Nanocrystals Permeability Across Caco 2 Cell Monolayers by LC MS MS**
DEMİR H., GÜLSÜN İNAL T., ŞENER E., ŞAHİN S., ÖNER L.
2016 AAPS Annual Meeting and Exposition, 13 - 17 November 2016

- XXIV. **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
- XXV. **Investigation of Influence on Diabetes drug absorption and permeability**
GÜLSÜN İNAL T., ŞAHİN S.
IPTS 2016, 18 - 21 September 2016
- XXVI. **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
- XXVII. **Effect of Verapamil on the Intestinal Permeability of Metformin in Type 2 Diabetic Rats and Caco 2 Cells**
GÜLSÜN İNAL T., ŞAHİN S.
IPTS 2016, 18 - 21 September 2016
- XXVIII. **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
- XXIX. **BCS BDDCS and Grapefruit Juice Drug Interactions**
ŞİT B., GÜLSÜN İNAL T., ŞAHİN S.
IPTS 2016, 18 - 21 September 2016
- XXX. **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
- XXXI. **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
- XXXII. **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
- XXXIII. **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
- XXXIV. **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
- XXXV. **Development of Type 1 and Type 2 Diabetes Mellitus in Rats Using Streptozotocin and Nicotinamide Streptozocin**
GÜLSÜN İNAL T., MUHAMMED KARİM H., KÖSEMEHMETOĞLU K., ŞAHİN S.
2015 AAPS Annual Meeting and Exposition, Orlando, United States Of America, 25 - 29 October 2015
- XXXVI. **Preparation and Characterization of Rivaroxaban Nanocrystals**
DEMİR H., GÜLSÜN İNAL T., ŞAHİN S., ÖNER L.
6th BBBB Conference on Pharmaceutical Sciences Strategies to Improve The Quality and Performance of Modern Drug Delivery Systems, Helsinki, Finland, 10 - 12 September 2015
- XXXVII. **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
- XXXVIII. **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

- XXXIX. **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
- XL. **Formulation and In Vitro Evaluation of Furosemide Nanosuspensions**
GÜLSÜN İNAL T., sahand ebadi b., VURAL İ., ŞAHİN S.
1st European Conference on Pharmaceutics : Drug Delivery, Reims, France, 13 - 14 April 2015
- XLI. **Development of Orally Disintegrating Tablets Containing Olmesartan Medoxomil and Amlodipine Besylate**
ÖZTÜRK N., GÜLSÜN İNAL T., KAYNAK M. S., VURAL İ., ŞAHİN S.
AAPS Annual Meeting and Exposition, san diego, United States Of America, 2 - 06 November 2014
- XLII. **Effect of Precipitation Inhibitors on Supersaturation and Solubility of Furosemide**
ÖZTÜRK N., KARA A., GÜLSÜN İNAL T., PEHLİVAN S., VURAL İ., ŞAHİN S.
AAPS Annual Meeting and Exposition, san diego, United States Of America, 2 - 06 November 2014
- XLIII. **Effect of Milling Time on the Formulation Parameters of Nanosuspensions**
GÜLSÜN İNAL T., ÖZTÜRK N., PEHLİVAN S., ŞAHİN S., VURAL İ.
AAPS Annual Meeting and Exposition, San diego, United States Of America, 2 - 06 November 2014
- XLIV. **Preparation and Evaluation of Furosemide Containing Orally Disintegrating Tablets by Direct Compression**
GÜLSÜN İNAL T., ÖZTÜRK N., KAYNAK M. S., ŞAHİN S., VURAL İ.
AAPS Annual Meeting and Exposition, san diego, United States Of America, 2 - 06 November 2014
- XLV. **Development and Validation of a RP HPLC Method for Simultaneous Determination of Metformin Hydrochloride Phenol Red and Metoprolol Tartrate**
GÜLSÜN İNAL T., ŞAHİN S.
AAPS Annual Meeting and Exposition, san diego, United States Of America, 2 - 06 November 2014
- XLVI. **Preparation and In vitro Evaluation of Furosemide Nanosuspensions for Enhancement of its Solubility and Permeability**
GÜLSÜN İNAL T., sahand ebadi b., GÜRİSOY R. N., VURAL İ., ŞAHİN S.
17th International Pharmaceutical Technology Symposium, Antalya, Turkey, 8 - 10 September 2014
- XLVII. **Comparison of Furosemide Nanocrystals and Nanosuspensions in Terms of Solubility and Permeability**
ÖZTÜRK N., GÜLSÜN İNAL T., ŞAHİN S., VURAL İ.
17th International Pharmaceutical Technology Symposium, Antalya, Turkey, 8 - 10 September 2014
- XLVIII. **Ezetimib Nanokristallerinin Hazırlanması için Yöntem ve Farmasötik Formülasyonları**
GÜLSÜN İNAL T., GÜRİSOY R. N., ÖNER L.
2. Ege Ar-ge ve Teknoloji Günleri, İzmir, Turkey, 28 - 30 November 2012
- XLIX. **Preparation and Characterization of Furosemide Nanosuspensions**
sahand ebadi b., GÜLSÜN İNAL T., GÜRİSOY R. N., VURAL İ., ŞAHİN S.
AAPS Annual Meeting and Exposition, chicago, United States Of America, 14 - 18 October 2012
- L. **Preparation of Furosemide Nanosuspensions by High Pressure Homogenization and Its In vivo Characterization**
GÜLSÜN İNAL T., sahand ebadi b., GÜRİSOY R. N., VURAL İ., ŞAHİN S.
16th International Pharmaceutical Technology Symposium, Antalya, Turkey, 10 - 12 September 2012
- LI. **Nanokristal teknolojisi kullanılarak suda çözünürlüğü zayıf olan ezetimibin biyoyararlanımının artırılması**
GÜLSÜN İNAL T., GÜRİSOY R. N., ÖNER L.
Kimyevi Maddeler ve Mamülleri Sektöründe 1. AR-GE Proje Pazarı, İstanbul, Turkey, 27 - 28 December 2011
- LII. **Improving Dissolution Profile of Poorly Water soluble Drug Ezetimibe Using Nanocrystal Tablet Formulations**
GÜLSÜN İNAL T., GÜRİSOY R. N., ÖNER L.
FIP Pharmaceutical Sciences 2010 World, Congress in association with the AAPS Annual Meeting and Exposition,

new orleans, United States Of America, 14 - 18 November 2010

LIII. Enhancement of Solubility of Nimesulide by Preparing Nanocrystal Formulation

çisem b., GÜLSÜN İNAL T., VURAL İ., ŞAHİN S., ÖNER L.

Globalization of Pharmaceutics Education Network: Eighth Meeting, chapel hill, 10 - 12 November 2010

LIV. Characterization of Nanocrystal Formulations Which Contain Poorly Water Soluble Drug Ezetimibe

GÜLSÜN İNAL T., GÜRSOY R. N., ÖNER L.

7th Central European Symposium on Pharmaceutical Technology & Biodelivery Systems, Ljubljana, Slovenia, 18 - 20 September 2008

LV. Improving Dissolution Profile of Ezetimibe

GÜLSÜN İNAL T., GÜRSOY R. N., ÖNER L.

EUFEPS Conference, When Variability Becomes an Issue in Drug Development: How to Understand, Predict and Manage?, Verona, Italy, 13 - 14 May 2008

LVI. Application of Nanotechnology for the Improvement of Dissolution Properties of a Poorly Water Soluble Drug Ezetimibe

GÜLSÜN İNAL T., GÜRSOY R. N., ÖNER L.

6th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology, barselona, 7 - 10 April 2008

Supported Projects

ÇANKAYA İ. İ., UÇAR G., NİGİZ Ş., GÜLPINAR A. R., DURKAYA K., BOZKURT BAKAL S., KAYAALP K., ASLAN ERDEM S., MELEK İ., SABUNCUOĞLU S., et al., Project Supported by Higher Education Institutions, Türkiyede yaygın olarak yetişen Achillea millefolium L bitkisinden premenstrual semptomların giderilmesinde kullanılmak üzere geleneksel bitkisel tıbbi ürün geliştirilmesi, 2022 - Continues

Deliloğlu A., Göktaş Z., Öztürk S. C., Gülsün İnal T., Research Project of the Presidency of Turkey Health Institutes (TÜSEB), Yüksek Yağlı Diyetle Beslenen Farelerde Hesperidin Fitokimyasalı ile Obetolik Asit Kullanımının Karaciğer Yağlanması Üzerine Etkisinin İncelenmesi, 2024 - 2024

AKDAĞ ÇAYLI Y., GÜLSÜN İNAL T., NEMUTLU E., ÖNER L., ŞAHİN S., ÖZTÜRK S. C., Geyik Z. M., Bebek G., Project Supported by Higher Education Institutions, Küçük hücreli dışı akciğer kanseri tedavisinde endüstriye uygulanabilir yüksek teknoloji ürünü nanoteknolojik tümöre hedeflendirilmiş kuru toz inhaler formülasyonu geliştirilmesi invitro ve invivo değerlendirilmesi (120S895 numaralı projeye ek bütçe desteği), 2022 - 2024

ŞAHİN S., GÜLSÜN İNAL T., Ateş M., Project Supported by Higher Education Institutions, Caco2 Hücrelerinden Statinlerin Permeabilitesi Üzerine Greylfurt Suyunun Etkisinin İncelenmesi, 2022 - 2024

Gülsün İnal T., Sahin S., Akdağ Çaylı Y., Öner L., İnal M., Kazkayası Bölük İ., Güler M. T., TUBITAK Project, Alzheimer Hastalığında Tedavi Etkinliğini Artırmak Amacıyla; Yüzey Modifikasyonu İle Kan Beyin Bariyerinden Geçişini Artırılmış Nanopartiküller İçeren Mikroigne Formülasyonlarının Geliştirilmesi, In Vitro, Ex-Vivo Ve In Vivo Çalışmalar, 2021 - 2024

GÖKTAŞ Z., ÇELEBİER M., GÜLSÜN İNAL T., TUBITAK Project, Serbest ve Nanoenkapsüle Naringenin ve Berberin Fitokimyasal Bileşenlerinin C57BL/6J Farelerde Adipoz Dokunun Kahverengileşmesi Üzerine Etkisinin İncelenmesi, 2021 - 2024

ŞAHİN S., İZAT N., GÜLSÜN İNAL T., Özdemir E., Project Supported by Higher Education Institutions, Rasajilin içeren ağızda dağılan tablet formülasyonlarının geliştirilmesi in vitro ve in vivo değerlendirilmesi, 2018 - 2023

VURAL İ., GÜLSÜN İNAL T., ŞAHİN S., GÜNDÜZ M. G., PEZİK E., Project Supported by Higher Education Institutions, Hipertansiyon Tedavisinde Etkili Yeni Sentezlenen ve Çözünürlük Sorunu Olan 1,4-Dihidropiridin Türevli Madde Üzerinde Önformülasyon Çalışmaları, 2019 - 2022

GÜLSÜN İNAL T., Project Supported by Higher Education Institutions, Memantin ve Organik Katyon Taşıyıcı 2 (OCT2) inhibitörü olan kinidinin kolinerjik nöronlar üzerindeki etkisinin organotipik beyin dilimleme tekniği kullanılarak tayin edilmesi, 2019 - 2020

ŞAHİN S., GÜLSÜN İNAL T., ULUHAN Ö. D., Project Supported by Higher Education Institutions, Trimetobenzamit HCl içeren Ağızda Dağılan Tablet formülasyonlarının in vitro karakterizasyonları ve permeabiliteleri üzerine farklı yardımcı maddelerin etkisi, 2018 - 2019

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
ŞAHİN S., GÜLSÜN İNAL T., Project Supported by Higher Education Institutions, İlaçların absorpsiyonu ve permeabilitesi üzerine diyabetin etkisinin incelenmesi, 2016 - 2016
GÜLSÜN İNAL T., Project Supported by Higher Education Institutions, Furosemid nanosüspansiyonlarının formülasyonu ve in vitro değerlendirilmesi, 2015 - 2016
Gülsün İnal T., Gürsoy R. N., Project Supported by Higher Education Institutions, Farklı kolloidal sistemlerin üretim ve kalite kontrol parametrelerinin değerlendirilmesi, 2013 - 2015
TUBITAK Project, Nanoteknoloji uygulaması ile ilaç biyoyararlanımının artırılması, 2007 - 2009

Metrics

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Non Academic Experience

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