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International Researcher IDs

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Publons / Web Of Science ResearcherID: AHB-3843-2022

ScopusID: 57211337827

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Education Information

Doctorate, Gazi University, Eczacılık Fakültesi, Eczacılık Teknolojisi, Turkey 2017 - 2024

Research Areas

Pharmacology and Therapeutics

Academic Titles / Tasks

Research Assistant PhD, Gazi University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2019 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Development and characterization of chitosan nanoparticles loaded nanofiber hybrid system for vaginal controlled release of benzydamine**
Tuğcu-Demiröz F. N., Saar S., Kara A. A., Yıldız A., Tunçel E., Acartürk F.
EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.161, 2021 (SCI-Expanded)
- II. **Electrospun metronidazole-loaded nanofibers for vaginal drug delivery**
TUĞCU DEMİRÖZ F. N., Saar S., TORT S., ACARTÜRK F.
DRUG DEVELOPMENT AND INDUSTRIAL PHARMACY, vol.46, no.6, pp.1015-1025, 2020 (SCI-Expanded)
- III. **pH-dependent dissolution behavior of a weakly basic BCS class II drug, clopidogrel**
İnceçayır T., Olğaç S., Yıldız A., Saar S., Kodan E.
Latin American Journal of Pharmacy, vol.38, no.10, pp.1921-1928, 2019 (SCI-Expanded)

Articles Published in Other Journals

- I. **Evaluation of Mechanical and Mucoadhesive Properties of Polyvinyl Alcohol Nanofibers As Vaginal Drug Delivery System**

SAAR S., Tuğcu Demiröz F. N.

FABAD Journal of Pharmaceutical Sciences, vol.48, no.2, pp.219-230, 2023 (Scopus)

II. Development and Evaluation of Sustained Release Tablet Formulations of Venlafaxine Hydrochloride

Tort S., Kodan Akça E., Olğaç S., Saar S., Yıldız A., Ünal İ. S., Özdal Z. D., Tuğcu Demiröz F. N.

Sağlık bilimlerinde değer (Online), vol.12, no.1, pp.28-35, 2022 (Peer-Reviewed Journal)

Books

I. Farmasötik Teknoloji Laboratuvar Kitabı

Acartürk F., İlbasmış Tamer S., İnceçayır T., Mutlu Ağardan N. B., Takka S., Teksin Z. Ş., Tırnaksız F. F., Tort S., Tuğcu Demiröz F. N., Aydoğduoğlu Ş., et al.

Gazi Üniversitesi Yayınları, Ankara, 2023

Papers Published in Refereed Scientific Meetings

I. Evaluation and Characterization of Metronidazole Loaded Emulgel Formulation For Vaginal Delivery

Tuğcu Demiröz F. N., Ongun M., Saar S., Tırnaksız F. F.

8th BBBB Conference on Pharmaceutical Sciences, İzmir, Turkey, 14 - 16 October 2019

II. Preparation and in-vitro characterization of Eudragit® based vaginal nanofiber formulations

Saar S., Tuğcu Demiröz F. N., Acartürk F.

7th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2024), Ankara, Turkey, 2 - 04 October 2025, pp.618-621

III. Effect of production parameters on PLGA nanoparticles on particle size and polydispersity index

Saar S., Yıldız A., Ayçiçek M., Gürbüz S., Tuğcu Demiröz F. N., Doğan A., Acartürk F.

21st International Pharmaceutical Technology Symposium, Ankara, Turkey, 9 - 11 September 2024, pp.310

IV. Evaluation of the Cytotoxicity of 3D Printed Strontium Ranelate-Loaded Silk Fibroin/Alginate-Based Scaffolds For Alveolar Bone Regeneration

Tuğcu Demiröz F. N., Gültekin Y., Doğan O., Vural İ., Yıldız A., Saar S., Acartürk F.

21st International Pharmaceutical Technology Symposium, Ankara, Turkey, 9 - 11 September 2024, pp.245

V. In Vitro Characterization of 3D-Printed Strontium Ranelate Loaded Silk Fibroin/Alginate-Based Scaffolds for Alveolar Bone Regeneration

Tuğcu Demiröz F. N., Yıldız A., Saar S., Ayçiçek M., Gürbüz S., Doğan A., Acartürk F.

21st International Pharmaceutical Technology Symposium, Ankara, Turkey, 9 - 11 September 2024, pp.248

VI. In-vitro and ex-vivo characterization of tenofovir disoproxil fumarate and emtricitabine loaded vaginal nanofiber formulations for pre-exposure prophylaxis

Saar S., Tuğcu Demiröz F. N., Acartürk F.

21st International Pharmaceutical Technology Symposium, Ankara, Turkey, 9 - 11 September 2024, pp.102-103

VII. Evaluation of the degradation and swelling behaviour of the strontium ranelate loaded 3D printed scaffolds developed for alveolar bone defect

Yıldız A., Saar S., Ayçiçek M., Gürbüz S., Tuğcu Demiröz F. N., Doğan A., Acartürk F.

21st International Pharmaceutical Technology Symposium, Ankara, Turkey, 9 - 11 September 2024, pp.295

VIII. Preparation and Evaluation of Gelatin/Alginate-Based Inks for 3D Printing of Bone Scaffolds

Saar S., Yıldız A., Ayçiçek M., Gürbüz S., Tuğcu Demiröz F. N., Doğan A., Acartürk F.

14th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 25 - 28 June 2024, pp.279

IX. 3D-Printed Strontium Ranelate Loaded Silk Fibroin/Alginate-Based Scaffolds for Alveolar Bone Regeneration

Yıldız A., Saar S., Ayçiçek M., Gürbüz S., Tuğcu Demiröz F. N., Doğan A., Acartürk F.

14th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 25 - 28 June 2024, pp.384

X. Preparation and Characterization of Tenofovir Disoproxil Fumarate And Emtricitabine Loaded Zein

Based Nanofiber Formulations for Vaginal Drug Delivery

Saar S., Tuğcu Demiröz F. N., Acartürk F.

14th International Symposium on Pharmaceutical Sciences (ISOPS) , Ankara, Turkey, 25 - 28 June 2024, pp.167

- XI. **Development and Characterization of Mucoadhesive Nanofibers for Vaginal Drug Delivery.**
Saar S., Tuğcu Demiröz F. N., Acartürk F.
14th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology, Vienna, Austria, 18 - 21 March 2024, pp.1-2
- XII. **Evaluation of the Effect of Nanofiber Formulations on the Expression of IBD Marker TNF- α by Cell Culture Studies**
Yıldız A., Saar S., Yıldırım E., Uyar R., Yurdakök Dikmen B., Tuğcu Demiröz F. N., Acartürk F., Turgut-Birer Y.
16th Nanoscience & Nanotechnology Conference (NANOTR-16), Ankara, Turkey, 5 - 08 September 2022, pp.342
- XIII. **In-vitro, Ex-vivo And Cytotoxicity Evaluation of Hydrocortisone-loaded Nanofiber for Colon Targeting**
SAAR S., YILDIZ A., YILDIRIM E., UYAR R., TURGUT Y., YURDAKÖK DİKMEN B., TUĞCU DEMİRÖZ F. N., ACARTÜRK F.
FIGON DMD & EUFEPS Annual Meeting, Leiden, Netherlands, 1 - 03 June 2022
- XIV. **In-vitro, Ex-vivo and Cytotoxicity Evaluation of Hydrocortisone Loaded Nanofiber for Colon Targeting**
Saar S., Yıldız A., Yıldırım E., Uyar R., Turgut Y., Yurdakök Dikmen B., Tuğcu Demiröz F. N., Acartürk F.
FIGON DMD & EUFEPS Annual Meeting 2022, Leiden, Netherlands, 1 - 03 June 2022, pp.17
- XV. **Antifungal Activity of Voriconazole Loaded Organogel Formulations Against Candida Albicans**
Keskin G., Akca G., Saar S., Tuğcu Demiröz F. N.
FIGON DMD & EUFEPS Annual Meeting 2022, Leiden, Netherlands, 1 - 03 June 2022, pp.50
- XVI. **Evaluation of Mechanical And Morphological Properties of Zein-Based Nanofibers For Vaginal Drug Delivery**
Saar S., Tuğcu Demiröz F. N.
20th International Pharmaceutical Technology Symposium (IPTS-2022), Ankara, Turkey, 21 - 23 February 2022, pp.263-265
- XVII. **Vaginal Mucoadhesion and Permeability Studies Of Voriconazole Loaded Organogel Formulations**
Keskin G., Saar S., Tuğcu Demiröz F. N.
20th International Pharmaceutical Technology Symposium (IPTS), Ankara, Turkey, 21 - 23 February 2022, pp.260-262
- XVIII. **Fabrication and Characterization of Methylprednisolone-Loaded Colon-Specific 3D-Printed Drug Delivery Systems**
YILDIZ A., TURANLI Y., BİRER M., SAAR S., TUĞCU DEMİRÖZ F. N., ACARTÜRK F.
3rd International Gazi Pharma Symposium Series, Ankara, Turkey, 8 - 10 September 2021
- XIX. **Development and optimization of electrospun PVA nanofibers for vaginal drug delivery using design of experiment method**
Saar S., Tuğcu Demiröz F. N.
3rd International Gazi Pharma Symposium Series (GPSS-2021), Ankara, Turkey, 8 - 10 September 2021, pp.157
- XX. **Development and characterization of voriconazole loaded organogel formulations for vaginal delivery**
Keskin G., Saar S., Tuğcu Demiröz F. N.
3rd International Gazi Pharma Symposium Series (GPSS-2021), Ankara, Turkey, 8 - 10 September 2021, pp.152
- XXI. **Development and characterization studies of hydrocortisone loaded Eudragit-based colon targeted nanofibers**
Tuğcu Demiröz F. N., Yıldırım E., Saar S., Yıldız A., Acartürk F.
3rd International Gazi Pharma Symposium Series (GPSS-2021), Ankara, Turkey, 8 - 10 September 2021, pp.160
- XXII. **Preparation and Characterization of Tenofovir Disoproxil Fumarate Loaded Nanofiber for Vaginal Delivery**
Dik Z., Saar S., Tuğcu Demiröz F. N.
13th International Symposium on Pharmaceutical Sciences (ISOPS 2021), 22-25 June 2021, Ankara, Turkey, 22 -

25 June 2021, pp.53

- XXIII. **Development and Characterization of Buccal Film Containing Hydrocortisone Nanosuspensions**
Çulcu Ö., Saar S., Tuğcu Demiröz F. N., Tırnaksız F. F.
13th International Symposium on Pharmaceutical Sciences (ISOPS 2021), Ankara, Turkey, 22 - 25 June 2021, pp.170-171
- XXIV. **Evaluation of Polyvinyl Alcohol Nanofibers as Vaginal Drug Delivery System**
Saar S., Tuğcu Demiröz F. N.
13th International Symposium on Pharmaceutical Sciences (ISOPS 2021), 22 - 25 June 2021, pp.172-173
- XXV. **The Evaluation of The Potential Eudragit-Based Delayed Release Nanofibers for Colon Targeting**
Yıldırım E., Yıldız A., Saar S., Tuğcu Demiröz F. N., Acartürk F.
13th International Symposium on Pharmaceutical Sciences (ISOPS 2021), 22 - 25 June 2021, pp.152
- XXVI. **Preparation and Characterization of Vaginal Delivery of Voriconazole Loaded Mucoadhesive Organogels**
Keskin G., Saar S., Tuğcu Demiröz F. N.
12th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology (PBP 2021), Vienna, Austria, 11 - 14 May 2021, pp.1
- XXVII. **Development and Characterization of Mucoadhesive Films Containing Metronidazole for Vaginal Drug Delivery**
Saar S., Tuğcu Demiröz F. N.
12th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology (PBP 2021), Vienna, Austria, 11 - 14 May 2021, pp.1
- XXVIII. **A different approach to nanofiber drug delivery systems: Nanofiber based tablet formulations**
SAAR S., YILDIZ A., TORT S., TUĞCU DEMİRÖZ F. N., ACARTÜRK F.
International Eurasian Conference on Biotechnology and Biochemistry, Ankara, Turkey, 16 - 18 December 2020
- XXIX. **Preparation and Characterization of Tenofovir Loaded Mucoadhesive Gels for Vaginal Delivery**
Dik Z., SAAR S., TUĞCU DEMİRÖZ F. N.
8th BBBB Conference on Pharmaceutical Sciences, 14 - 16 October 2019
- XXX. **Permeability Studies of Nitroimidazole Derivative Antibiotic Loaded Nanofibers**
TUĞCU DEMİRÖZ F. N., TORT S., YILDIZ A., SAAR S., ACARTÜRK F.
19th International Pharmaceutical Technology Symposium-IPTS, Ankara, Turkey, 17 - 19 September 2018
- XXXI. **Vaginal Permeability Studies of Metronidazole Loaded PVP Nanofibers**
TUĞCU DEMİRÖZ F. N., TORT S., Yıldız A., SAAR S., ACARTÜRK F.
19th International Pharmaceutical Technology Symposium-IPTS, 2018, Turkey, 17 September 2018
- XXXII. **Development and Evaluation of Extended Release Tablet Formulations of Venlafaxine Hydrochloride**
SAAR S., YILDIZ A., ÜNAL İ. S., ÖZDAL Z. D., OLĞAÇ S., KODAN E., DURAN C., TORT S., TUĞCU DEMİRÖZ F. N.
12th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 26 - 29 June 2018
- XXXIII. **pH-Dependent Dissolution Behavior Of a Weakly Basic BCS Class II Drug, Clopidogrel**
OLĞAÇ S., YILDIZ A., SAAR S., KODAN E., İNCEÇAYIR T.
12th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 26 - 29 June 2018
- XXXIV. **Evaluation of Intravaginal Delivery of Polyvinylpyrrolidone-Metronidazole Nanofibers for the Treatment of Bacterial Vaginosis**
TUĞCU DEMİRÖZ F. N., SAAR S., TORT S., KARA A. A., ACARTÜRK F.
12th International Symposium on Pharmaceutical Sciences, 26 - 29 June 2018
- XXXV. **Development and Evaluation of Extended Release Tablet Formulations of Venlafaxine Hydrochloride**
Saar S., Yıldız A., Ünal İ. S., Özdal Z. D., Olğaç S., Kodan E., Duran C., Tort S., Tuğcu Demiröz F. N.
12th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 26 - 29 June 2018

Supported Projects

Yıldız A., Saar S., Tuğcu Demiröz F. N., Acartürk F., Doğan A., Gürbüz S., Ömeroğlu S., Ayçiçek M., Vural İ., Karapınar I., et

al, Project Supported by Higher Education Institutions, Alveol kemiđi iyileşmesinde lokal olarak uygulanmak üzere 3B biyoyazıcı ile doku iskelesi şeklinde biyomalzeme geliştirilmesi ve in vitro - in vivo karakterizasyonu, 2022 - 2025
TUĞCU DEMİRÖZ F. N., SAAR S., Turgut Y., YURDAKÖK DİKMEN B., Yıldız A., Project Supported by Higher Education Institutions, İnflamatuvar Barsak Hastalığının Tedavisi İçin Hidrokortizon İçeren Nanolif Formülasyonlarının Geliştirilmesi ve İn Vitro Deđerlendirilmesi, 2021 - 2023
Tuđcu Demiröz F. N., Coşkun Cevher Ş., Taştan H., Acartürk F., SAAR S., Project Supported by Higher Education Institutions, Kombine Antiretroviral İlaç İçeren Vajinal Formülasyonların Geliştirilmesi ve İn-Vitro İn-Vivo Deđerlendirilmesi, 2020 - 2022

Memberships / Tasks in Scientific Organizations

TÜRK FARMASÖTİK TEKNOLOJİ ARAŞTIRMACILARI DERNEĐİ, Member, 2019 - Continues, Turkey

Peer Reviews in Scientific Publications

Journal of Faculty of Pharmacy of Ankara University, National Scientific Refreed Journal, August 2024

Metrics

Publication: 43
Citation (WoS): 91
Citation (Scopus): 100
H-Index (WoS): 2
H-Index (Scopus): 2

Awards

Saar S., Tuđcu Demiröz F. N., Best Poster Presentation Award, 20Th International Pharmaceutical Technology Symposium , February 2022