

## Res. Asst. PhD SİNEM SAAR

### Personal Information

**Office Phone:** [+90 312 202 3049](tel:+903122023049)

**Email:** [sinemsaar@gazi.edu.tr](mailto:sinemsaar@gazi.edu.tr)

**Web:** <https://avesis.gazi.edu.tr/13279>

**Address:** [sinemsaar@gazi.edu.tr](mailto:sinemsaar@gazi.edu.tr)

### International Researcher IDs

ScholarID: nz1TfqcAAAAJ

ORCID: 0000-0001-6892-5497

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

ScopusID: 57211337827

Yoksis Researcher ID: 300924

### 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 & Book Chapters

**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

## Refereed Congress / Symposium Publications in Proceedings

**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. Evaluation of the Effect of Nanofiber Formulations on the Expression of IBD Marker TNF- $\alpha$  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

**III. 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

**IV. 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

**V. 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

**VI. 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

**VII. 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

**VIII. 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

**IX. 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

- X. **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
- XI. **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
- XII. **The evaluation of the potential eudragit-based delayed release nanofibers for colon targeting**  
YILDIRIM E., YILDIZ A., SAAR S., TUĞCU DEMİRÖZ F. N., ACARTÜRK F.  
13th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 22 - 25 June 2021
- XIII. **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
- XIV. **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
- XV. **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
- XVI. **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
- XVII. **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
- XVIII. **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
- XIX. **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
- XX. **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
- XXI. **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
- XXII. **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
- XXIII. **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

- XXIV. **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

- XXV. **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

- XXVI. **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.,  
Project Supported by Higher Education Institutions, Alveol kemiği 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 Değerlendirilmesi, 2021 - 2023

Tuğcu 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

Değerlendirilmesi, 2020 - 2022

## Memberships / Tasks in Scientific Organizations

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

## Metrics

Publication: 34

Citation (WoS): 88

Citation (Scopus): 96

H-Index (WoS): 2

H-Index (Scopus): 2

## Awards

Saar S., Tuğcu Demiröz F. N., Best Poster Presentation Award, 20Th International Pharmaceutical Technology

Symposium , February 2022