

# Prof. FATMA NUR TUĞCU DEMİRÖZ

## Personal Information

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## International Researcher IDs

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Publons / Web Of Science ResearcherID: AAG-4302-2019

ScopusID: 6507651225

Yoksis Researcher ID: 133599

## Education Information

Doctorate, Gazi University, Sağlık Bilimleri Enstitüsü, Farmasötik Teknoloji (Dr), Turkey 2001 - 2009

Postgraduate, Gazi University, Sağlık Bilimleri Enstitüsü, Farmasötik Teknoloji (YI) (Tezli), Turkey 1999 - 2001

Undergraduate, Ankara University, Eczacılık Fakültesi, Eczacılık Pr., Turkey 1994 - 1998

## Foreign Languages

English, B2 Upper Intermediate

## Certificates, Courses and Trainings

Vocational Training, Bilirkişilik Sertifikası, Gazi Üniversitesi Sürekli Eğitim Uygulama ve Araştırma Merkezi'nde 14-22 Kasım 2017 tarihleri arasında düzenlenmiş olan 24 saatlik "Bilirkişilik Temel Eğitimi"ni tamamlayarak sertifika almaya hak kazanmıştır. , 2017

Vocational Training, Eğiticilerin Eğitimi Sertifikası, Gazi Üniversitesi Gazi Eğitim Fakültesi ve Uzaktan Eğitim Uygulama ve Araştırma Merkezi tarafından düzenlenen Eğiticilerin Eğitimi Sertifika Programını başarıyla tamamlayarak sertifika almaya hak kazanmıştır, 2017

Health&Medicine, Deney Hayvanları Uygulama ve Etik Kursu IV Sertifikası, Gazi Üniversitesi Hayvan Etik Kurulu onayı ile GÜ Laboratuvar Hayvanları Yetiştirme ve Deneysel Araştırma merkezi tarafından 2007 yılında düzenlenen kursa katılarak teorik ve pratik başarı eğitimleri başarı ile tamamlayıp sertifika almaya hak kazanmıştır. , 2007

## Dissertations

Doctorate, Kontrollü salın yapan biyoadeziv yeni vajinal ilaç şekilleri üzerinde çalışmalar, Gazi University, Sağlık Bilimleri Enstitüsü, Farmasötik Teknoloji (Dr), 2009

Postgraduate, Doğal polimerler kullanılarak kolona hedeflendirilmiş ilaç şekillerinin geliştirilmesi, Gazi University, Sağlık Bilimleri Enstitüsü, Farmasötik Teknoloji (YI) (Tezli), 2001

## Research Areas

Pharmaceutical Technology, Cosmetology

## Academic Titles / Tasks

Professor, Gazi University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2023 - Continues

Associate Professor, Gazi University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2018 - 2023

Assistant Professor, Gazi University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2017 - 2018

Research Assistant, Gazi University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2000 - 2017

## Academic and Administrative Experience

Vice Dean, Gazi University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2023 - Continues

Academic Performance D. Board Member, Gazi University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2021 - Continues

## Courses

ÇOK FAZLI SİSTEMLER (FTE-2030), Postgraduate, 2017 - 2018

FARMASÖTİK TEKNOLOJİ I (FTE 307), Undergraduate, 2017 - 2018

ÖNFORMÜLASYON, Postgraduate, 2017 - 2018

FARMASÖTİK TEKNOLOJİ UYGULAMA, Undergraduate, 2017 - 2018, 2016 - 2017

FARMASÖTİK TEKNOLOJİ III (FTE 707), Undergraduate, 2017 - 2018

## Jury Memberships

Doctoral Examination, Doctoral Examination, Gazi Üniversitesi, November, 2022

Doctorate, Doctorate, Gazi Üniversitesi, April, 2022

Doctoral Examination, Doctoral Examination, Gazi Üniversitesi, April, 2022

Post Graduate, Post Graduate, Gazi Üniversitesi, January, 2022

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Three-dimensional printed dosage forms based on disease-focussed perspectives**  
Gültekin H. E., Tuğcu Demiröz F., TORT S., ACARTÜRK F.  
The Journal of pharmacy and pharmacology, vol.74, no.10, pp.1406-1426, 2022 (SCI-Expanded)
- II. **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)
- III. **3D printed extended release tablets for once daily use: An in vitro and in vivo evaluation study for a personalized solid dosage form**  
Ezgi Gültekin H., Tort S., Tuğcu-Demiröz F. N., Acartürk F.  
INTERNATIONAL JOURNAL OF PHARMACEUTICS, vol.596, 2021 (SCI-Expanded)
- IV. **Effects of UV Exposure Time on Nanofiber Wound Dressing Properties During Sterilization**  
TORT S., Demiroz F. N., YILDIZ S., ACARTÜRK F.  
JOURNAL OF PHARMACEUTICAL INNOVATION, vol.15, no.3, pp.325-332, 2020 (SCI-Expanded)
- V. **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)

- VI. **The effect of a new wound dressing on wound healing: Biochemical and histopathological evaluation**  
TORT S., Demiroz F. N., COŞKUN CEVHER Ş., Saribas S., Ozogul C., ACARTÜRK F.  
BURNS, vol.46, no.1, pp.143-155, 2020 (SCI-Expanded)
- VII. **Development and characterization of rapid dissolving ornidazole loaded PVP electrospun fibers**  
TORT S., Yildiz A., TUĞCU DEMİRÖZ F. N., AKCA G., Kuzukiran O., ACARTÜRK F.  
PHARMACEUTICAL DEVELOPMENT AND TECHNOLOGY, no.7, pp.864-873, 2019 (SCI-Expanded)
- VIII. **Development and characterization of gels and liposomes containing ovalbumin for nasal delivery**  
Kaplan M., TUĞCU DEMİRÖZ F. N., VURAL İ., Celebi N.  
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, vol.44, pp.108-117, 2018 (SCI-Expanded)
- IX. **Vaginal Delivery of Benzydamine Hydrochloride through Liposomes Dispersed in Mucoadhesive Gels**  
TUĞCU DEMİRÖZ F. N.  
CHEMICAL & PHARMACEUTICAL BULLETIN, vol.65, no.7, pp.660-667, 2017 (SCI-Expanded)
- X. **Carbon nanotube membranes to predict skin permeability of compounds**  
İLBASMIŞ TAMER S., TUĞCU DEMİRÖZ F. N., Degim I. T.  
PHARMACEUTICAL DEVELOPMENT AND TECHNOLOGY, vol.22, no.4, pp.606-616, 2017 (SCI-Expanded)
- XI. **Investigation of the effect of intracolonic melatonin gel formulation on acetic acid-induced colitis**  
Esiringu F., TUĞCU DEMİRÖZ F. N., ACARTÜRK F., COŞKUN CEVHER Ş., Bircan F., SARI KILIÇASLAN S. M.  
DRUG DELIVERY, vol.23, no.7, pp.2318-2326, 2016 (SCI-Expanded)
- XII. **Stimuli-responsive lipid nanotubes in gel formulations for the delivery of doxorubicin**  
İLBASMIŞ TAMER S., Unsal H., TUĞCU DEMİRÖZ F. N., KALAYCIOĞLU G. D., Degim I. T., AYDOĞAN N.  
COLLOIDS AND SURFACES B-BIOINTERFACES, vol.143, pp.406-414, 2016 (SCI-Expanded)
- XIII. **Gamma scintigraphic studies on guar gum-based compressed coated tablets for colonic delivery of theophylline in healthy volunteers**  
Celkan A., ACARTÜRK F., TUĞCU DEMİRÖZ F. N., Gokcora N., Akkas B. E., Guner L. A.  
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, vol.32, pp.31-37, 2016 (SCI-Expanded)
- XIV. **Preparation and characterization of bioadhesive controlled-release gels of cidofovir for vaginal delivery**  
TUĞCU DEMİRÖZ F. N., ACARTÜRK F., ÖZKUL A.  
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, vol.26, no.17, pp.1237-1255, 2015 (SCI-Expanded)
- XV. **Quantitative Characterization of Magnetic Mobility of Nanoparticle in Solution-Based Condition**  
Rodoplu D., BOYACI İ. H., Bozkurt A. G., Eksi H., Zengin A., TAMER U., AYDOĞAN N., ÖZCAN Ş., TUĞCU DEMİRÖZ F. N.  
CURRENT PHARMACEUTICAL DESIGN, vol.21, no.37, pp.5389-5400, 2015 (SCI-Expanded)
- XVI. **Development of long-acting bioadhesive vaginal gels of oxybutynin: Formulation, in vitro and in vivo evaluations**  
TUĞCU DEMİRÖZ F. N., ACARTÜRK F., Erdogan D.  
INTERNATIONAL JOURNAL OF PHARMACEUTICS, vol.457, no.1, pp.25-39, 2013 (SCI-Expanded)
- XVII. **PDGF supplementation alters oxidative events in wound healing process: a time course study**  
Kaltalioglu K., COŞKUN CEVHER Ş., TUĞCU DEMİRÖZ F. N., Celebi N.  
ARCHIVES OF DERMATOLOGICAL RESEARCH, vol.305, no.5, pp.415-422, 2013 (SCI-Expanded)
- XVIII. **Development of controlled release sildenafil formulations for vaginal administration**  
Degim I. T., TUĞCU DEMİRÖZ F. N., Tamer-İlbasmis S., ACARTÜRK F.  
DRUG DELIVERY, vol.15, no.4, pp.259-265, 2008 (SCI-Expanded)
- XIX. **Investigation of colon-specific dosage forms of ondansetron prepared with natural polymers**  
TUĞCU DEMİRÖZ F. N., Acarturk F., Takka S.  
PHARMAZIE, vol.61, no.11, pp.916-919, 2006 (SCI-Expanded)
- XX. **In-vitro and in-vivo evaluation of mesalazine-guar gum matrix tablets for colonic drug delivery**  
TUĞCU DEMİRÖZ F. N., Acarturk F., Takka S., Konus-Boyunaga Ö. L.  
JOURNAL OF DRUG TARGETING, vol.12, no.2, pp.105-112, 2004 (SCI-Expanded)
- XXI. **Dissolution and assaying of multicomponent tablets by chemometric methods using computer-aided spectrophotometer**

## 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)
- III. **DEVELOPMENT AND CHARACTERIZATION OF MUCOADHESIVE-THERMOSENSITIVE BUCCAL GEL CONTAINING METRONIDAZOLE FOR THE TREATMENT OF ORAL MUCOSITIS**  
ONGUN M., TUNÇEL E., KODAN E., TUĞCU DEMİRÖZ F. N., TIRNAKSIZ F. F.  
Ankara Üniversitesi Eczacılık Fakültesi Dergisi, vol.44, no.3, pp.517-539, 2020 (Scopus)
- IV. **Evaluation of Biocidal Products in COVID-19 Pandemic**  
İlbasmış Tamer S., Demiroz F. N., Acartürk F.  
GAZI MEDICAL JOURNAL, vol.31, pp.485-497, 2020 (ESCI)
- V. **Comparison of Oxidative Effects of Two Different Administration Form of Oxybutynin in the Potential Target Tissues**  
Kaltalioglu K., TUĞCU DEMİRÖZ F. N., ACARTÜRK F., Balabanli B., COŞKUN CEVHER Ş.  
ADVANCES IN UROLOGY, vol.2018, 2018 (ESCI)
- VI. **Development of in situ poloxamer-chitosan hydrogels for vaginal drug delivery of benzydamine hydrochloride: Textural, mucoadhesive and in vitro release properties**  
TUĞCU DEMİRÖZ F. N.  
MARMARA PHARMACEUTICAL JOURNAL, vol.21, no.4, pp.762-770, 2017 (ESCI)
- VII. **Evaluation of Rheological and Textural Properties of Toothpastes**  
TOKSOY M. O., TUĞCU DEMİRÖZ F. N., TIRNAKSIZ F. F.  
FABAD Journal of Pharmaceutical Sciences, vol.38, no.3, pp.135-141, 2016 (Scopus)
- VIII. **Kolona Özgü İlaç Taşıyıcı Sistemler**  
TUĞCU DEMİRÖZ F. N., ACARTÜRK F.  
FABAD Journal of Pharmaceutical Sciences, vol.27, no.2, pp.117-134, 2002 (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
- II. **Farmasötik Teknoloji Laboratuvar Kitabı**  
ACARTÜRK F., İLBASMIŞ TAMER S., İNCEÇAYIR T., MUTLU AĞARDAN N. B., TAKKA S., TEKSİN Z. Ş., TIRNAKSIZ F. F., TORT S., TUĞCU DEMİRÖZ F. N., EDİSAN Ş., et al.  
Güngörler Matbaacılık San. Tic. LTD. ŞTİ., Ankara, 2023
- III. **Farmasötik Teknoloji Laboratuvar Kitabı**  
ACARTÜRK F., İLBASMIŞ TAMER S., İNCEÇAYIR T., MUTLU AĞARDAN N. B., TAKKA S., TEKSİN Z. Ş., TIRNAKSIZ F. F., TORT S., TUĞCU DEMİRÖZ F. N., AYDOĞDUOĞLU Ş., et al.  
Gazi Üniversitesi Yayınları, Ankara, 2023
- IV. **Chapter 19: Vaginally Applied Nanocarriers and their Characterizations**

TUĞCU DEMİRÖZ F. N., ACARTÜRK F.

in: Drug Delivery with Targeted Nanoparticles. In Vitro and In Vivo Evaluation Methods, Ç. Yılmaz, A. Sahin, H.Tonbul, Editor, Jenny Stanford Publishing Pte, Ltd., Singapore, pp.499-537, 2022

**V. Majistral İlaç Rehberi**

TIRNAKSIZ F. F., KARATAŞ A., AKKUŞ ARSLAN Ş., TUĞCU DEMİRÖZ F. N., İLBASMIŞ TAMER S., ALGAN A. H.  
Türk Eczacılar Birliği, Fersa Ofset, Ankara, Ankara, 2015

**VI. Majistral Reçetelerdeki Farklı Farmasötik Dozaj Şekillerinin Hazırlanmasında Temel İlkeler**  
İLBASMIŞ TAMER S., TUĞCU DEMİRÖZ F. N.

in: Eczacının Başvuru Rehberi, Cengiz Yakıcı, Göknur Aktay, Editor, TÜRK ECZACILAR BİRLİĞİ, Fersa Ofset, Ankara, Ankara, pp.387-395, 2015

**VII. Majistral Reçete Hazırlarken Dikkat Edilmesi Gereken Genel Kurallar**

TUĞCU DEMİRÖZ F. N., İLBASMIŞ TAMER S.

in: Eczacının Başvuru Rehberi, Cengiz Yakıcı, Göknur Aktay, Editor, Türk Eczacılar Birliği Eczacılık Akademisi Yayınları, Fersa Ofset, Ankara, Ankara, pp.379-386, 2015

**VIII. Majistral Reçeteler için Hesaplar**

TUĞCU DEMİRÖZ F. N., İLBASMIŞ TAMER S., AKKUŞ ARSLAN Ş., TIRNAKSIZ F. F.

in: Majistral İlaç Rehberi, Figen Tırnaksız, Editor, Fersa Ofset, Ankara, pp.17-37, 2015

**IX. Süspansiyonlar**

İLBASMIŞ TAMER S., TUĞCU DEMİRÖZ F. N., TIRNAKSIZ F. F.

in: Majistral İlaç Rehberi, Figen Tırnaksız, Aysegül Karataş, Şeyda Akkuş Arslan, Fatmanur Tuğcu Demiröz, Sibel İlbasmış Tamer, Aslıhan Hilal Algan, Editor, Fersa Ofset, Ankara, pp.185-219, 2015

**X. Farmasötik Teknoloji Laboratuvar Kitabı**

ACARTÜRK F., AĞABEYOĞLU T. İ., ÇELEBİ F. N., DEĞİM İ. T., DEĞİM Z., DOĞANAY T., TAKKA S., TEKSİN Z. Ş.,  
TIRNAKSIZ F. F., Dokak C., et al.

ŞAFAK MATBAACILIK SAN. TİC. L TO. ŞTi, Ankara, 2007

## 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. GAZİ ÜNİVERSİTESİ ECZACILIK FAKÜLTESİ EĞİTİMİNİN İLAÇ ENDÜSTRİSİYLE OLAN PAYDAŞLIĞI**  
Mansuroğlu E., ULUTAŞ O. K., TUĞCU DEMİRÖZ F. N., ERDOĞAN ORHAN İ.  
IV. Ulusal Eczacılık Eğitimi ve Akreditasyon Kongresi, Ankara, Turkey, 29 February 2024
- III. Stronsiyum Ranelatin Lokal Uygulamasının Kemik Rejenerasyonuna Etkisinin Bmp-2 ile Karşılaştırılması**  
KARAPINAR İ., DOĞAN A., GÜRBÜZ S., TUĞCU DEMİRÖZ F. N., YIĞMAN Z., ÖMEROĞLU S.  
Türk Periodontoloji Derneği 52. Uluslararası Bilimsel Kongresi ve 30. Bilimsel Sempozyumu, İzmir, Turkey, 21 - 23 September 2023
- IV. The effect of co-administration of Rosmarinic Acid and Carvacrol on wound tissue nitric oxide and protein carbonyl levels in diabetic rats**  
kömür s., BALABANLI K. B., TUĞCU DEMİRÖZ F. N., COŞKUN CEVHER Ş.  
6th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2023) October 11-13, 2023., 11 October 2023, pp.210
- V. THE EFFECT CO-APPLICATION OF TWO DIFFERENT NATURAL COMPOUNDS ON WOUND HEALING, MATRIX METALLOPROTEINASE AND COLLAGEN LEVELS**  
kömür s., BALABANLI K. B., TUĞCU DEMİRÖZ F. N., COŞKUN CEVHER Ş.  
EURO ASIA 11th. INTERNATIONAL CONGRESS ON APPLIED SCIENCES, Ankara, Turkey, 27 May 2023, pp.237-238
- VI. Different Applications of Combination of Ellagic Acid and Carnosic Acid in Hyperglycemic Rats: A Perspective of Protein Dysfunction in Wound Healing Process**

ALVER E. N., TUĞCU DEMİRÖZ F. N., BALABANLI K. B., COŞKUN CEVHER Ş.

5th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2022), Ankara, Turkey, 23 November 2022, pp.53

**VII. Development of 3D Printed Bovine Serum Albumin Loaded Alginate-Based Hydrogel Dressing for Wound-Healing Application**

TEKİN T., YILDIZ A., TUĞCU DEMİRÖZ F. N., ACARTÜRK F.

5th International Eurasian Conference on Biotechnology and Biochemistry, Ankara, Turkey, 23 - 25 November 2022

**VIII. TRANSFERSOMES FOR TOPICAL OCULAR ADMINISTRATION: DEVELOPMENT AND IN VITRO CHARACTERIZATION**

Yetgin C., Tuğcu Demiröz F. N., Takka S.

5TH INTERNATIONAL EURASIAN CONFERENCE ON BIOLOGICAL AND CHEMICAL SCIENCES, Ankara, Turkey, 23 November 2022

**IX. Evaluation of the Effect of Nanofiber Formulations on the Expression of IBD Marker TNF- $\alpha$  by Cell Culture Studies**

YILDIZ A., SAAR S., YILDIRIM E., UYAR R., YURDAKÖK DİKMEN B., TUĞCU DEMİRÖZ F. N., ACARTÜRK F.

16th Nanoscience & Nanotechnology Conference (NANOTR-16), Ankara, Turkey, 5 - 08 September 2022

**X. 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

**XI. The Effect of A New Generation Antioxidant Combination on Matrix Metalloproteinases in Diabetic Wound Healing**

ALVER E. N., BALABANLI K. B., TUĞCU DEMİRÖZ F. N., COŞKUN CEVHER Ş.

3 rd International Conference on Applied Engineering and Natural Sciences, Turkey, 20 July 2022

**XII. DEVELOPMENT AND EVALUATION OF GANCICLOVIR LOADED NIOSOMES FOR THE TREATMENT OF CYTOMEGALOVIRUS RETINITIS**

YETGİN C., ÇOBAN Ö., TUĞCU DEMİRÖZ F. N., TAKKA S.

FIGON DMD & EUFEPS Annual Meeting 2022, Leiden, Netherlands, 01 June 2022

**XIII. 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

**XIV. 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

**XV. 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

**XVI. 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

**XVII. 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

**XVIII. The Effect of Application of Ellagic Acid and Carnosic Acid on Wound Healing**

ALVER E. N., BALABANLI K. B., TUĞCU DEMİRÖZ F. N., COŞKUN CEVHER Ş.

3rd International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2021), Ankara, Turkey, 15 December 2021, pp.32

- XIX. **Development and Characterization Studies of Hydrocortisone Loaded Eudragit-Based Colon Targeted Nanofibers**  
TUĞCU DEMİRÖZ F. N., YILDIRIM E., SAAR S., YILDIZ A., ACARTÜRK F.  
3rd International Gazi Pharma Symposium Series, Ankara, Turkey, 8 - 10 September 2021
- XX. **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
- XXI. **Fabrication and Characterization of Methylprednisolone-Loaded Colon-Specific 3D-Printed Drug Delivery Systems**  
Yıldız A., Turanlı Y., Birer M., Saar S., Tuğcu Demiröz F. N., Acartürk F.  
3rd International Gazi Pharma Symposium Series, Ankara, Turkey, 8 - 10 September 2021, pp.1
- XXII. **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
- XXIII. **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
- XXIV. **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
- XXV. **The evaluation of the potential eudragit-based delayed release nanofibers for colon targeting**  
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## **Supported Projects**

Coşkun Cevher Ş., Gürsoy E. N., Şener K., Külahcı M. B., Balabanlı K. B., Tuğcu Demiröz F. N., Börekçi B., Project Supported by Higher Education Institutions, Morin ve Hesperidin ile Zenginleştirilmiş Yeni Nesil Doğala Özdeş Selüloz Bazlı Yara Örtüsünün Geliştirilmesi, 2024 - 2027

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

COŞKUN CEVHER Ş., TUĞCU DEMİRÖZ F. N., Alver E. N., Project Supported by Higher Education Institutions, Elajik asit ve karnosik asit uygulamasının yara iyileşmesi üzerine etkisi, 2020 - 2022

TUĞCU DEMİRÖZ F. N., Project Supported by Higher Education Institutions, Ultra Saf Su Cihazı, 2020 - 2021  
Acartürk F., Tort S., Tuğcu Demiröz F. N., Gültekin H. E., TUBITAK Project, 3D Baskılama Tekniği ile İlaç Formülasyonlarının Hazırlanmasına Yönelik Çalışmalar, 2018 - 2020

Tuğcu Demiröz F. N., İlbasmış Tamer S., Acartürk F., TUBITAK Project, Jel Tipi İlaç Şekillerinin Farklı Dokulardaki Mukoadezif Özelliklerinin Değerlendirilmesi, 2016 - 2018

ACARTÜRK F., TUĞCU DEMİRÖZ F. N., COŞKUN CEVHER Ş., TUBITAK Project, Kronik Yara Tedavisinde Etkili, Elektro-Çekim Tekniği ile Hazırlanmış Nanolif Yara Örtülerinin Geliştirilmesi, 2014 - 2017

TUĞCU DEMİRÖZ F. N., İLBASMIŞ TAMER S., TUBITAK Project, Etkin Maddelerin Deriden Geçiste Permeabilite Katsayılarının Tahmin Edilmesi İçin Sentetik Membran Gelistirilmesi, 2014 - 2016

TUĞCU DEMİRÖZ F. N., ACARTÜRK F., TUBITAK Project, Kontrollü Salım yapan Biyoadezif Vajinal İlaç Şekilleri Üzerinde Çalışmalar, 2005 - 2008

ACARTÜRK F., TUĞCU DEMİRÖZ F. N., Project Supported by Higher Education Institutions, Kolona hedeflenmiş ilaç şekilleri üzerindeki çalışmalar, 2001 - 2002

TUĞCU DEMİRÖZ F. N., ACARTÜRK F., TUBITAK Project, Doğal Polimerler Kullanılarak Kolona Hedeflendirilmiş İlaç Şekillerinin Geliştirilmesi, 1999 - 2001

## **Memberships / Tasks in Scientific Organizations**

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

Farmasötik Bilimler Ankara Derneği (FABAD), Member, 2000 - Continues, Turkey

TÜRK FARMASÖTİK TEKNOLOJİ ARAŞTIRMACILARI DERNEĞİ, Member, 2000 - Continues, Turkey

FARMASÖTİK BİLİMLER ANKARA DERNEĞİ (FABAD) YÖNETİM KURULU ÜYELİĞİ, Board Member, 2016 - 2018, Turkey

## Scientific Refereeing

MATERIALS AND DESIGN, National Scientific Refreed Journal, December 2022  
DRUG DELIVERY, National Scientific Refreed Journal, November 2022  
JOURNAL OF PERSONALIZED MEDICINE, National Scientific Refreed Journal, November 2022  
MATERIALS AND DESIGN, National Scientific Refreed Journal, October 2022  
Journal of Faculty of Pharmacy of Ankara University, Other Indexed Journal, October 2022  
DRUG DELIVERY, National Scientific Refreed Journal, October 2022  
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TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Gazi University, Turkey, October 2022  
DRUG DELIVERY, National Scientific Refreed Journal, September 2022  
INTERNATIONAL JOURNAL OF GENERAL MEDICINE, National Scientific Refreed Journal, July 2022  
PHARMACEUTICS, National Scientific Refreed Journal, July 2022  
CURRENT DRUG DELIVERY, National Scientific Refreed Journal, May 2022  
GELS, National Scientific Refreed Journal, May 2022  
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EUROPEAN JOURNAL OF PHARMACEUTICS AND BIOPHARMACEUTICS, National Scientific Refreed Journal, April 2022  
TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, Gazi University, Turkey, April 2022  
PHARMACEUTICAL DEVELOPMENT AND TECHNOLOGY, SCI Journal, June 2021  
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, SCI Journal, June 2021  
INTERNATIONAL JOURNAL OF PHARMACEUTICS, SCI Journal, June 2021  
SAUDI PHARMACEUTICAL JOURNAL, SCI Journal, March 2021  
RECENT PATENTS ON DRUG DELIVERY AND FORMULATION, SCI Journal, March 2021  
ACS APPLIED MATERIALS & INTERFACES, SCI Journal, February 2021  
DRUG DELIVERY, SCI Journal, November 2020  
TURKISH JOURNAL OF PHARMACEUTICAL SCIENCES, Journal Indexed in ESCI, August 2020  
Journal of Research in Pharmacy, Journal Indexed in ESCI, July 2020  
JOURNAL OF DISPERSION SCIENCE AND TECHNOLOGY, SCI Journal, June 2020  
IRANIAN POLYMER JOURNAL, SCI Journal, June 2020  
PHARMACEUTICAL DEVELOPMENT AND TECHNOLOGY, SCI Journal, April 2020  
Journal of Research in Pharmacy, Journal Indexed in ESCI, January 2020

## Metrics

Publication: 175  
Citation (WoS): 481  
Citation (Scopus): 627  
H-Index (WoS): 14  
H-Index (Scopus): 16

## Invited Talks

Majistral İlaç Şekillerinin Sınıflandırılması , Conference, TÜRK ECZACILAR BİRLİĞİ, Turkey, November 2022

## Scholarships

Yurt Dışı Doktora Sonrası Araştırma Bursu-BİDEB 2219 desteği ile Department of Engineering, Area of Pharmacy and Pharmaceutical Technology, Miguel Hernández University, 03550 Sant Joan d'Alacant, Alicante, Spain, TUBITAK, 2013 - 2013

## **Awards**

Karapınar I., Doğan A., Gürbüz S., Tuğcu Demiröz F. N., Yiğman Z., Ömeroğlu S., Colgate International Scientific Research Second Prize/Comparison of the Effect of Local Application of Strontium Ranelate on Bone Regeneration with BMP-2, Türk Periodontoloji Derneği, September 2023

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

## **Non Academic Experience**

Department of Engineering, Area of Pharmacy and Pharmaceutical Technology, Miguel Hernández University, 03550 Sant Joan d'Alacant, Alicante, Spain.