

## Assoc. Prof. SERDAR TORT

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AAK-4207-2020

ScopusID: 57190294726

Yoksis Researcher ID: 132067

### Education Information

Doctorate, Gazi University, Sağlık Bilimleri Enstitüsü, Farmasötik Teknoloji (Dr), Turkey 2011 - 2016

Postgraduate, Gazi University, Sağlık Bilimleri Enstitüsü, Farmasötik Teknoloji (YI) (Tezli), Turkey 2006 - 2011

Undergraduate, Gazi University, Eczacılık Fakültesi, Eczacılık Pr. (4 Yıllık), Turkey 2002 - 2006

### Dissertations

Doctorate, Elektro-çekim yöntemiyle hazırlanan nanolif yara örtülerinin in vitro/in vivo değerlendirilmesi, Gazi University, Sağlık Bilimleri Enstitüsü, 2016

Postgraduate, Morfinin denetimli salım yapan ilaç şekillerinin tasarımı üzerine çalışmalar, Gazi University, Sağlık Bilimleri Enstitüsü, Farmasötik Teknoloji (YI) (Tezli), 2011

### Research Areas

Pharmaceutical Technology

### Academic Titles / Tasks

Associate Professor, Gazi University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2022 - Continues

Assistant Professor, Gazi University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2019 - 2022

Research Assistant, Gazi University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2011 - 2019

### Academic and Administrative Experience

Exam Program Preparation Commission Member, Gazi University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2022 - Continues

Fakülte Yönetim Kurulu Üyesi, Gazi University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2022 - Continues

Internship Committee Member, Gazi University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2021 - Continues

Uygulama ve Araştırma Merkezi Yönetim Kurulu Üyesi, Gazi University, Araştırma ve Uygulama Merkezleri, Yaşam

## Advising Theses

Tırnaksız F. F., Tort S., Aktinik Keratoz Tedavisi İçin Sodyum Diklofenak İçeren Dermal Taşıyıcı Sistem ve Mikroiğne Sisteminin Geliştirilmesi, Doctorate, E.Tunçel(Student), Continues

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

- I. **Development and optimization of hydrogel-forming microneedles fabricated with 3d-printed molds for enhanced dermal diclofenac sodium delivery: a comprehensive in vitro, ex vivo, and in vivo study**  
TUNÇEL E., TORT S., HAN S., YÜCEL Ç., TIRNAKSIZ F. F.  
DRUG DELIVERY AND TRANSLATIONAL RESEARCH, 2024 (SCI-Expanded)
- II. **Preparation and evaluation the effects of retinoic acid loaded proliposomal nanofibers on microbial biofilm inhibition**  
TORT S., ÖZTÜRK Z. C., KAYNAK ONURDAĞ F., Mutlu-Ağardan N. B.  
PHARMACEUTICAL DEVELOPMENT AND TECHNOLOGY, 2024 (SCI-Expanded)
- III. **Recent advances in phage therapy for pharmaceutical applications**  
Saraç-Acarca E. S., Evran E., Tayyarcan E. K., İlbasım-Tamer S., TORT S., BOYACI İ. H., Acartürk F.  
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, vol.90, 2023 (SCI-Expanded)
- IV. **Design, characterization, and evaluation of a polymeric nanofiber system for sublingual delivery of aceclofenac: A promising approach for enhanced pain management**  
Köse Özkan C., TORT S., Aksoy O. A., Çotaoglu M. Z., Eşim Ö., Savaşer A., Özkan Y.  
Journal of Drug Delivery Science and Technology, vol.88, 2023 (SCI-Expanded)
- V. **Cholesterol included self-assembled electrospun proliposomes as a feasible approach for drug delivery**  
Mutlu-Ağardan N. B., TORT S.  
Journal of Drug Delivery Science and Technology, vol.86, 2023 (SCI-Expanded)
- VI. **A New Insight to Silver Sulfadiazine Antibacterial Dressings: Nanoparticle-Loaded Nanofibers for Controlled Drug Delivery**  
Mutlu-Ağardan N. B., Tort S., Aydoğduoğlu Ş., Kıymacı M. E.  
AAPS PHARMSCITECH, vol.24, no.1, 2023 (SCI-Expanded)
- VII. **Preparation of nanodelivery systems for oral administration of low molecular weight heparin**  
RÜZGAR ÖZEMRE G., KARA A., Pezik E., TORT S., VURAL İ., ACARTÜRK F.  
Journal of Drug Delivery Science and Technology, vol.79, 2023 (SCI-Expanded)
- VIII. **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)
- IX. **Fabrication of three dimensional printed tablets in flexible doses: A comprehensive study from design to evaluation**  
Gultekin H. E., TORT S., ACARTÜRK F.  
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, vol.74, 2022 (SCI-Expanded)
- X. **Fabrication and characterization of starch-copper nanoparticles/rutin nanofiber hybrid scaffold**  
İLBASMIŞ TAMER S., Saraç-Acarca E. S., TORT S., YÜCEL Ç., TAMER U., ACARTÜRK F.  
Journal of Drug Delivery Science and Technology, vol.72, 2022 (SCI-Expanded)
- XI. **Etodolac nanosuspension based gel for enhanced dermal delivery: in vitro and in vivo evaluation**  
Karakucuk A., Tort S., Han S., Oktay A. N., Celebi N.  
JOURNAL OF MICROENCAPSULATION, vol.38, no.4, pp.218-232, 2021 (SCI-Expanded)

- XII. **Controlled drug release of parylene-coated pramipexole nanofibers for transdermal applications**  
TORT S., Han D., Frantz E., Steckl A. J.  
Surface and Coatings Technology, vol.409, 2021 (SCI-Expanded)
- XIII. **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)
- XIV. **Preparation, characterization and antimicrobial activity evaluation of electrospun PCL nanofiber composites of resveratrol nanocrystals**  
Karakucuk A., TORT S.  
PHARMACEUTICAL DEVELOPMENT AND TECHNOLOGY, vol.25, no.10, pp.1216-1225, 2020 (SCI-Expanded)
- XV. **In vitro and in vivo evaluation of microneedles coated with electrospayed micro/nanoparticles for medical skin treatments**  
TORT S., MUTLU AĞARDAN N. B., Han D., Steckl A. J.  
JOURNAL OF MICROENCAPSULATION, vol.37, no.7, pp.517-527, 2020 (SCI-Expanded)
- XVI. **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)
- XVII. **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)
- XVIII. **Self-inflating floating nanofiber membranes for controlled drug delivery**  
TORT S., Han D., Steckl A. J.  
INTERNATIONAL JOURNAL OF PHARMACEUTICS, vol.579, 2020 (SCI-Expanded)
- XIX. **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)
- XX. **An Effective Technology for the Development of Immediate Release Solid Dosage Forms Containing Low-Dose Drug: Fused Deposition Modeling 3D Printing**  
Gultekin H. E., TORT S., ACARTÜRK F.  
PHARMACEUTICAL RESEARCH, vol.36, no.9, 2019 (SCI-Expanded)
- XXI. **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)
- XXII. **Fabrication of doxycycline-loaded electrospun PCL/PEO membranes for a potential drug delivery system**  
Eskitoros-Togay S. M., Bulbul Y. E., Tort S., Korkmaz F. D., Acartürk F., Dilsiz N.  
INTERNATIONAL JOURNAL OF PHARMACEUTICS, vol.565, pp.83-94, 2019 (SCI-Expanded)
- XXIII. **Development and characterization of methylprednisolone loaded delayed release nanofibers**  
Turanlı Y., Tort S., Acartürk F.  
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, vol.49, pp.58-65, 2019 (SCI-Expanded)
- XXIV. **Evaluation of ornidazole-loaded nanofibers as an alternative material for direct pulp capping**  
Tort H., Oktay E. A., TORT S., Bayar G. R., Topcu F. T., Kilic E., ACARTÜRK F.  
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, vol.41, pp.317-324, 2017 (SCI-Expanded)
- XXV. **Evaluation of three-layered doxycycline-collagen loaded nanofiber wound dressing**  
TORT S., ACARTÜRK F., BEŞİKCİ A.  
INTERNATIONAL JOURNAL OF PHARMACEUTICS, vol.529, pp.642-653, 2017 (SCI-Expanded)
- XXVI. **Preparation and characterization of electrospun nanofibers containing glutamine**  
TORT S., ACARTÜRK F.  
CARBOHYDRATE POLYMERS, vol.152, pp.802-814, 2016 (SCI-Expanded)
- XXVII. **IMPLEMENTATION OF BCS BASED BIOWAIVER IN TURKEY**

## Articles Published in Other Journals

- I. **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)
- II. **Serum Type Hyaluronic Acid Formulations: In vitro Characterization and Patch Test Study**  
TORT S., KARAKÜÇÜK A. E.  
FABAD Journal of Pharmaceutical Sciences, vol.46, no.3, pp.271-278, 2021 (Scopus)
- III. **Formulation, Optimization, and In-Vitro Evaluation of Hyaluronic Acid Buccal Films Containing Benzydamine Hydrochloride**  
KARAKÜÇÜK A. E., TORT S.  
Düzce Üniversitesi Sağlık Bilimleri Enstitüsü Dergisi, vol.11, no.3, pp.325-330, 2021 (Peer-Reviewed Journal)
- IV. **Investigation of Propolis and Boron Containing Disinfectants and Comparison with WHO-Recommended Formulation against COVID-19**  
TORT S., ACARTÜRK F.  
GAZI MEDICAL JOURNAL, vol.31, pp.532-536, 2020 (ESCI)
- V. **Dosetakselin siklodekstrin türevleri ile farklı yöntemlerle kompleks oluşturması ve oluşan inklüzyon komplekslerinin karakterizasyonu**  
ÜNAL S., YÜCEL Ç., TORT S., ÇELİK TEKELİ M., AKTAŞ Y., BİLENSOY E.  
Sağlık Bilimleri Dergisi, pp.119-125, 2017 (Peer-Reviewed Journal)
- VI. **Yara Tedavisi ve Nanolif Yapısındaki Yara Örtüleri**  
TORT S., ACARTÜRK F.  
Türkiye Klinikleri J Pharm Sci, vol.4, pp.68-78, 2015 (Peer-Reviewed Journal)
- VII. **Studies on Improvement of Water Solubility of Curcumin With Electrospun Nanofibers**  
RÜZGAR G., BİRER M., TORT S., ACARTÜRK F.  
FABAD, 2013 (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

## Refereed Congress / Symposium Publications in Proceedings

- I. **Development of Elastic Vesicle Systems Containing Diclofenac Sodium and In Vitro/Ex Vivo**

## Evaluation

TUNÇEL E., TORT S., TIRNAKSIZ F. F.

21st International Pharmaceutical Technology Symposium, Ankara, Turkey, 9 - 11 September 2024, pp.76-77

- II. **A Novel Medical Nanotechnology Approach: Development and Characterization of Coenzyme Q10 Loaded Nanofibers for Advanced Therapeutic Applications**  
OĞUZ E., İNAM O., TORT S.  
5th International/34th National Biophysics Congress, İzmir, Turkey, 6 - 09 September 2023
- III. **Elektroçekim Yönteminin Biyoteknolojik Alandaki Uygulamaları**  
Tort S.  
11. ULUSAL MOLEKÜLER BİYOLOJİ VE BİYOTEKNOLOJİ KONGRESİ, İstanbul, Turkey, 08 October 2022, pp.21
- IV. **Enhancement of Tolvaptan Solubility with Nanofiber and Solid Dispersion Formulations**  
Kara A. A., Tort S., Acartürk F.  
16th NANOSCIENCE & NANOTECHNOLOGY CONFERENCE, Ankara, Turkey, 5 - 08 September 2022, pp.340
- V. **Development and Evaluation of Composite Hydrogel-Forming Microneedles Containing Diclofenac Sodium**  
TUNÇEL E., TORT S., TIRNAKSIZ F. F.  
FIGON DMD & EUFEPS Annual Meeting 2022, Leiden, Netherlands, 01 June 2022
- VI. **DEVELOPMENT OF HYDROGEL-FORMING MICRONEEDLES CONTAINING DICLOFENAC SODIUM USING MICRONEEDLE MOLDS OBTAINED BY SLA 3D PRINTING TECHNOLOGY**  
Tunçel E., Tort S., Tirnaksız F. F.  
IPTS 2022 - INTERNATIONAL PHARMACEUTICAL TECHNOLOGY SYMPOSIUM, 22 February 2022
- VII. **SOLUBILITY IMPROVEMENT OF LOPERAMIDE WITH ELECTROSPUN POLYETHYLENE OXIDE NANOFIBERS**  
TORT S., ACARTÜRK F., Çolak R. İ., Akça M.  
20th International Pharmaceutical Technology Symposium - IPTS 2022, Turkey, 21 February 2022
- VIII. **Evaluation of Nanofiber Formulations to Increase Solubility And Dissolution Rate of Tolvaptan**  
Kara A. A., Acartürk F., Tort S.  
20th International Pharmaceutical Technology Symposium, Ankara, Turkey, 21 - 23 February 2022, pp.296
- IX. **Solubility Improvement of Loperamide with electrospun polyvinylpyrrolidone nanofibers**  
Çolak R. İ., AYDOĞDUOĞLU Ş., Çimencan S. G., TORT S.  
4th International Eurasian Conference on Biological and Chemical Sciences, Turkey, 24 November 2021
- X. **Evaluation and Fabrication of Dissolving PVA-Diclofenac sodium Microneedles**  
TUNÇEL E., TORT S., TIRNAKSIZ F. F.  
3rd. International Gazi Pharma Symposium Series, Ankara, Turkey, 08 September 2021, pp.120
- XI. **Development and Characterization of Electrospun Nanofibers Containing Rutin and Copper Nanoparticles**  
Saraç Acarca E. S., İLBASMIŞ TAMER S., TORT S., YÜCEL Ç., ACARTÜRK F.  
3rd International Gazi Pharma Symposium Series, Turkey, 08 September 2021
- XII. **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
- XIII. **A different approach to nanofiber drug delivery systems: Nanofiber based tablet formulations**  
SAAR S., Yıldız A., TORT S., TUĞCU DEMİRÖZ F. N., ACARTÜRK F.  
International Eurasian Conference on Biotechnology and Biochemistry, 16 - 18 December 2020
- XIV. **APPLICATION OF FUSED DEPOSITION MODELING 3D PRINTING IN THE FABRICATION OF EXTENDED RELEASE SOLID DOSAGE FORMS**  
GÜLTEKİN H. E., TORT S., TUĞCU DEMİRÖZ F. N., ACARTÜRK F.  
8th BBBB Conference on Pharmaceutical Sciences, İzmir, Turkey, 14 - 16 October 2019
- XV. **A New Fabrication Method for Self-Inflating Floating Nanofiber Membranes**  
TORT S., Steckl A., Han D.  
61st Electronic Materials Conference, 26 - 28 June 2019

- XVI. **EVALUATION OF THE EFFECT OF PHYSICAL STRUCTURE PROPERTIES ON THE DRUG RELEASE PROFILE OF 3D PRINTED TABLETS MANUFACTURED BY FUSED DEPOSITION MODELING**  
GÜLTEKİN H. E., TORT S., ACARTÜRK F.  
EUFEPS Annual Meeting 2019, Frankfurt, Germany, 6 - 08 March 2019
- XVII. **Design and Evaluation of Esomeprazole Enteric Coated Micropellet Formulations**  
USLU A., TORT S., ACARTÜRK F.  
AAPS PharmSci 360, 4 - 11 November 2018
- XVIII. **FUSED DEPOSITION MODELING 3D PRINTING TECHNOLOGY: AN EFFECTIVE TOOL FOR DESIGNING PERSONALIZED DOSAGE FORMS**  
GÜLTEKİN H. E., TORT S., ACARTÜRK F.  
17th Annual Congress on Pharmaceutics and Drug Delivery Systems, PRAG, Czech Republic, 20 - 22 September 2018
- XIX. **Low Molecular Weight Heparin loaded nanofibers prepared with different core polymer solutions**  
RÜZGAR ÖZEMRE G., TORT S., ACARTÜRK F.  
17th Annual Congress on Pharmaceutics Drug Delivery Systems, 20 - 22 September 2018
- XX. **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
- XXI. **Preparation and Characterization of Low Molecular Weight Heparin Loaded Coaxial Nanofibers**  
RÜZGAR ÖZEMRE G., TORT S., ACARTÜRK F.  
19th International Pharmaceutical Technology Symposium-IPTS, 2018, Turkey, 17 September 2018
- XXII. **Preparation and Characterization of Low Molecular Weight Heparin Loaded Coaxial Nanofibers**  
RÜZGAR ÖZEMRE G., TORT S., ACARTÜRK F.  
19th International Pharmaceutical Technology Symposium-IPTS, 2018, 17 - 19 September 2018
- XXIII. **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
- XXIV. **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, 17 - 19 September 2018
- XXV. **EFFECT OF POLY (ETHYLENE) OXIDE POLYMERS ON THE 3D PRINTABILITY OF SOLID DOSAGE FORMS**  
GÜLTEKİN H. E., TORT S., ACARTÜRK F.  
19th International Pharmaceutical Technology Symposium-IPTS 2018, Antalya, Turkey, 17 - 19 September 2018
- XXVI. **3D PRINTING AS A NEW TOOL FOR THE DEVELOPMENT OF SOLID DOSAGE FORMS**  
GÜLTEKİN H. E., TORT S., ACARTÜRK F.  
INTERNATIONAL SYMPOSIUM ON PHARMACEUTICAL SCIENCES, Ankara, Turkey, 26 - 29 July 2018
- XXVII. **Preparation and Characterization of Nanofibers Containing Ornidazole for Buccal Application**  
TORT S., YILDIZ A., TUĞCU DEMİRÖZ F. N., TUNÇEL E., ACARTÜRK F.  
12th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 26 - 29 June 2018
- XXVIII. **Development and Evaluation of Extended Release Tablet Formulations of Venlafaxine Hydrochloride**  
SAAR S., YILDIZ A., ÜNAL İ. S., ÖZDAL Z. D., OLGAC S., KODAN E., DURAN C., TORT S., TUĞCU DEMİRÖZ F. N.  
12th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 26 - 29 June 2018
- XXIX. <http://www.isops-ankara.org/ISOPS12-AbstractBook.pdf>  
YILDIZ A., SAAR S., ÜNAL İ. S., ÖZDAL Z. D., OLGAC S., KODAN E., DURAN C., TORT S., TUĞCU DEMİRÖZ F. N.  
12th International Symposium of Pharmaceutical Science, Ankara, Turkey, 26 - 29 June 2018, pp.299-300
- XXX. **Preparation of Heparin-Loaded Nanofibers Using Two Different Core Solutions**  
RÜZGAR ÖZEMRE G., TORT S., ACARTÜRK F.  
12th International Symposium on Pharmaceutical Sciences, 2018, 26 - 29 June 2018
- XXXI. **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
- XXXII. **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
- XXXIII. **Development and Evaluation of Extended Release Tablet Formulations of Venlafaxine Hydrochloride**  
SAAR S., Yıldız A., Ünal İ. S., ÖZDAL Z. D., Olğaç S., Kodan Akça E., DURAN C., TORT S., TUĞCU DEMİRÖZ F. N.  
12th International Symposium on Pharmaceutical Sciences, Turkey, 26 June 2018
- XXXIV. **Preparation and Characterization of Nanofibers Containing Ornidazole for Buccal Application**  
TORT S., YILDIZ A., TUĞCU DEMİRÖZ F. N., TUNÇEL E., ACARTÜRK F.  
12th International Symposium on Pharmaceutical Sciences, 26 - 29 June 2018
- XXXV. **Histological and Immunohistochemical Evaluation of Nanofiber Wound Dressing in Acute Wound Healing**  
TORT S., TUĞCU DEMİRÖZ F. N., SARIBAŞ G. S., ÖZOĞUL C., ACARTÜRK F.  
EUFEBs Annual Meeting 2018, Atina, Greece, 24 - 26 May 2018
- XXXVI. **Histological and immunohistochemical evaluation nanofiber wound dressing in acute wound healing**  
TORT S., Demiröz F. N. T., SARIBAŞ G. S., ÖZOĞUL C., ACARTÜRK F.  
EUFEBs Annual Meeting 2018, Atina, Greece, 24 - 26 May 2018
- XXXVII. **Akademik Girişimcilik**  
TORT S., KARAKÜÇÜK A. E.  
Gazi Üniversitesi Eczacılık Fakültesi FarmaEkol Öğrenci Topluluğu Sempozyumu (GaziFarmaSem), Ankara, Turkey, 30 - 31 March 2018
- XXXVIII. **Investigation of the Effect of Collagen/Doxycycline Nanofiber Wound Dressing on Diabetic Wound Healing with Histological and Immunohistochemical Studies**  
TORT S., TUĞCU DEMİRÖZ F. N., SARIBAŞ G. S., ÖZOĞUL C., ACARTÜRK F.  
11th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology, Spain, 19 March 2018
- XXXIX. **Development and Evaluation of Nanofiber Containing Low Molecular Weight Heparin for Oral Administration**  
RÜZGAR ÖZEMRE G., TORT S., ACARTÜRK F.  
11th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology, 19 - 22 March 2018
- XL. **DEVELOPMENT OF EXTENDED RELEASE TABLETS WITH FUSED DEPOSITION MODELING 3D PRINTING TECHNOLOGY**  
GÜLTEKİN H. E., TORT S., ACARTÜRK F.  
PBP-11th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology, Granada, Nicaragua, 19 - 22 March 2018
- XLI. **POLYMERIC GELS AS A PROMISING CARRIER FOR VAGINAL DELIVERY: DEVELOPMENT, CHARACTERIZATION AND EX-VIVO MUCOADHESIVE EVALUATION**  
TUĞCU DEMİRÖZ F. N., TORT S., İLBASMIŞ TAMER S., ACARTÜRK F.  
2nd International Gazi Symposium Series, 11 - 13 October 2017
- XLII. **PREDNISOLONE-LOADED DELAYED-RELEASE NANOFIBERDRUG DELIVERY SYSTEMS**  
TURANLI Y., TORT S., ACARTÜRK F.  
2nd International Gazi Symposium Series, 11 - 13 October 2017
- XLIII. **Development of Solid Dosage Forms with 3D Printing Technology**  
GÜLTEKİN H. E., TORT S., ACARTÜRK F.  
2nd International Gazi Symposium Series, 11 - 13 October 2017
- XLIV. **Effects of Different Stability Conditions on Three-Layered Doxycycline Collagen Loaded Nanofiber Wound Dressing**  
TORT S., ACARTÜRK F.  
7th BBBB International Conference on Pharmaceutical Sciences, 5 - 07 October 2017
- XLV. **Mucoadhesion and rheological properties of poly(acrylates) gels for different mucosal drug delivery**  
TUĞCU DEMİRÖZ F. N., TORT S., İLBASMIŞ TAMER S., ACARTÜRK F.

7th BBBB International Conference on Pharmaceutical Sciences, Balaton, Hungary, 5 - 07 October 2017

- XLVI. **Development and In Vivo Evaluation of Nanofiber Wound Dressing for Chronic Wounds**  
TORT S., TUĞCU DEMİRÖZ F. N., COŞKUN CEVHER Ş., ACARTÜRK F.  
6th FIPPharmaceutical Sciences World Congress, 21 - 24 May 2017
- XLVII. **Electrospun PCL Nanofiber composites of resveratrol nanocrystals: Production, Characterization and Antimicrobial Activity**  
TORT S., KARAKÜÇÜK A. E., ÇELEBİ F. N., ACARTÜRK F.  
6th FIP Pharmaceutical Sciences World Congress 2017, 21 - 24 May 2017
- XLVIII. **Mechanical and Rheological Properties of Chitosan Hydrogels as Biomaterials**  
TUĞCU DEMİRÖZ F. N., TORT S., İLBASMIŞ TAMER S., ACARTÜRK F.  
22nd International Biomedical Science Technology Symposium, 12 - 14 May 2017
- XLIX. **The Effects of UV Sterilization on Physical Properties of Nanofiber Wound Dressings**  
TORT S., YILDIZ S., ACARTÜRK F.  
BIOMED2017 22nd International Biomedical Sciences and Technology Symposium, 12 - 14 May 2017
- L. **Chitosan and PVP Composite Nanofiber Based Haemostatic Dressing**  
KARAKÜÇÜK A. E., TORT S.  
Royal Academy of Engineering, Leaders In Innovation Fellowships, 13 - 24 February 2017
- LI. **Assessment of Mucoadhesion properties of different polymers and mucosal tissues by Texture Analyze**  
TUĞCU DEMİRÖZ F. N., TORT S., İLBASMIŞ TAMER S., ACARTÜRK F.  
2nd International Conference and Expo on Drug Discovery & Designing, Roma, Italy, 27 - 29 October 2016
- LII. **Ornidazole Loaded Nanofibers as an Alternative Treatment for Direct Pulp Capping**  
TORT H., AYBALA OKTAY E., TORT S., BAYAR G. R., KILIÇ A., KILIÇ E., ACARTÜRK F.  
20th International Congress of Esthetic Dentistry, 21 - 23 October 2016
- LIII. **In Vitro and In Vivo Studies on Doxycycline Collagen Co Axial Nanofiber Wound Dressing**  
TORT S., TUĞCU DEMİRÖZ F. N., COŞKUN CEVHER Ş., ACARTÜRK F.  
18th International Pharmaceutical Technology Symposium-IPTS 2016, 18 - 21 October 2016
- LIV. **in vitro and in vivo studies on doxycyine collagen co axial nanofiber wound nanofiber wound dressing**  
TORT S., TUĞCU DEMİRÖZ F. N., COŞKUN CEVHER Ş., ACARTÜRK F.  
18.th international pharmaceutical technology symposium, 18 - 21 September 2016
- LV. **In Vitro and In Vivo Studies on Doxycycline Collagen Co Axial Nanofiber Wound Dressing**  
TORT S., TUĞCU DEMİRÖZ F. N., COŞKUN CEVHER Ş., ACARTÜRK F.  
18th International Pharmaceutical Technology Symposium, Antalya, Turkey, 18 - 21 September 2016
- LVI. **Evaluation of Mucoadhesion by a Texture Analyzer for Different Polymers and Mucosal Tissues**  
TUĞCU DEMİRÖZ F. N., TORT S., İLBASMIŞ TAMER S., ACARTÜRK F.  
28th National Chemistry Congress, Mersin, Turkey, 15 - 21 August 2016
- LVII. **Studies on Collagen Doxycycline Nanofibers Prepared by Coaxial Electrospinning Method III Effect of Collagen Concentration on Nanofiber Diameter**  
TORT S., ACARTÜRK F.  
4th International Conference on Electrospinning, 28 June - 01 July 2016
- LVIII. **Effect of doxycycline collagen coaxialnanofibers on oxidative stress in the woundhealing I malondialdehyde and glutathione**  
TORT S., oğuz e., özmen t., TUĞCU DEMİRÖZ F. N., COŞKUN CEVHER Ş., ACARTÜRK F.  
6thWorld Congress ofOxidative Stress,Calcium Signaling andTRP Channels24 - 27 May 2016 Isparta / TURKEYwww.cmos., 24 - 27 May 2016
- LIX. **Effect of Doxycycline Collagen Coaxial Nanofibers on Wound Healing I Malondialdehyde and Glutathione Levels**  
TORT S., Oğuz E., Özmen T., TUĞCU DEMİRÖZ F. N., COŞKUN CEVHER Ş., ACARTÜRK F.  
6th World Congress of Oxidative Stress, Calcium Signaling and TRP Channels, Isparta, Turkey, 24 - 27 May 2016
- LX. **Effect of doxycycline collagen coaxial nanofibers on oxidative stress in the wound healing I**



### **Malondialdehyde and glutathione levels**

TORT S., OĞUZ E., ÖZMEN T., TUĞCU DEMİRÖZ F. N., COŞKUN CEVHER Ş., ACARTÜRK F.

6. Oksidatif Stres, Kalsiyum Sinyali ve TRP Kanalları Dünya Kongresi, 24 - 27 May 2016

- LXI. **Effect of Doxycycline Collagen Coaxial Nanofibers on Wound Healing**  
TORT S., TUĞCU DEMİRÖZ F. N., COŞKUN CEVHER Ş., ACARTÜRK F.  
26th Conference of the European Wound Management Association, Bremen, Germany, 11 - 13 May 2016
- LXII. **Effect of Doxycycline Collagen Coaxial Nanofibers on Wound Closure Rate**  
TORT S., TUĞCU DEMİRÖZ F. N., COŞKUN CEVHER Ş., ACARTÜRK F.  
26th conference of European Wound Management Association, EWMA 2016, 11 - 13 May 2016
- LXIII. **Studies on Collagen Doxycycline Nanofibers Prepared by Coaxial Electrospinning Method II Effect of Polycaprolactone Concentration on Mechanical Properties**  
TORT S., ACARTÜRK F.  
10th World Meeting on Pharmaceuticals, Biopharmaceutics and Pharmaceutical Technology, 4 - 07 April 2016
- LXIV. **STUDIES ON IMPROVEMENT OF WATER SOLUBILITY WITH ELECTROSPUN NANOFIBERS I CURCUMIN**  
BIRER M., RUZGAR G., TORT S., ACARTÜRK F.  
GPSS 2015, 12 - 15 November 2015
- LXV. **Studies on Collagen Doxycycline Nanofibers Prepared by Coaxial Electrospinning Method I Effect of Collagen Concentration**  
TORT S., TUĞCU DEMİRÖZ F. N., ACARTÜRK F.  
AAPS Annual Meeting, Orlando, Fla, 23 - 29 October 2015
- LXVI. **Preparation and Characterization of Electrospun Alginate based Glutamine Nanofibers**  
TORT S., ACARTÜRK F.  
6th BBBB INTERNATIONAL CONFERENCE, 10 - 12 September 2015
- LXVII. **STUDIES ON POLY ETHYLENE OXIDE ELECTROSPUN NANOFIBERS WITH VARIOUS POLYMERS III SODIUM ALGINATE**  
TORT S., ACARTÜRK F.  
11th International Symposium on Pharmaceutical Sciences, 9 - 12 June 2015
- LXVIII. **Studies On Poly (Ethylene Oxide) Electrospun Nanofibers with Various Polymers II: Chitosan**  
TORT S., ACARTÜRK F.  
17th International Pharmaceutical Technology Symposium, 2014, Turkey, 08 September 2014
- LXIX. **Studies on poly (ethylene oxide) electrospun nanofibers with various polymers I: Chitosan**  
TORT S., ACARTÜRK F.  
IPTS-2014, 8 - 10 September 2014
- LXX. **Implementation of BCS based biowaiver in Turkey BCS Class II drugs**  
TORT S., KÖKSAL H. T., TEKSİN Z. Ş.  
International Multidisciplinary Symposium on Drug Research & Development, Antalya, Turkey, 28 - 30 November 2013
- LXXI. **Preparation of Theophylline Microspheres and Effect of Stirring Speed on Particle Size**  
TORT S., Cin Ş., Taşhan E., YALÇIN T. E., DEĞİM Z.  
International Multidisciplinary Symposium on Drug Research and Development, Turkey, 28 - 30 November 2013
- LXXII. **Studies on Poly (ethylene oxide) Electrospun Nanofibers with Various Polymers I: k-carrageenan**  
TORT S., ACARTÜRK F.  
International Multidisciplinary Symposium on Drug Research and Development, Turkey, 28 November 2013
- LXXIII. **Implementation of BCS Based Biowaiver in Turkey**  
TORT S., Tunç H. K., TEKSİN Z. Ş.  
5th BBBB International Conference, 2013, Turkey, 26 September 2013
- LXXIV. **Curcumin-Pectin Nanoparticles for Colon Specific Delivery System**  
TORT S., ACARTÜRK F.  
16 th International Pharmaceutical Technology Symposium, 10 - 12 September 2012
- LXXV. **In Vitro Determination of Disintegration Time Of Orally Disintegrating Tablets Using a New Method**  
TORT S., TUĞCU DEMİRÖZ F. N., YALÇIN T. E., Cin Ş., ÇELEBİ F. N.

## Supported Projects

TORT S., Oğuz E., İNAM O., Project Supported by Higher Education Institutions, Elektroçekim Yöntemi ile Hazırlanan Koenzim Q10 Yüklü Nanoliflerin Travmatik Optik Sinir Hasarı Modeli Oluşturulan Tavşanlardaki Etkinliğinin Araştırılması, 2024 - Continues

İLBASMIŞ TAMER S., ACARTÜRK F., DEMİREL M. A., SARAL ACARCA E. S., BOYACI İ. H., TAYYARCAN E. K., EVRAN Ş., TORT S., Project Supported by Higher Education Institutions, Yara Tedavisinde Bakteriyofaj İçeren Nanolif Formülasyonların Geliştirilmesi, 2023 - Continues

TORT S., YÜCEL Ç., TIRNAKSIZ F. F., TUNÇEL E., HAN S., Project Supported by Higher Education Institutions, Aktinik Keratoz Tedavisi İçin Diklofenak Sodyum İçeren Mikroigne ve Kesecik Sistemlerin Geliştirilmesi, 2022 - Continues

Tort S., TÜBA Project, Elektroçekim Yöntemi ile İlaç Yüklü ve Kendiliğinden Eriyebilen Cerrahi Nanoiplik Üretimi ve Etkinliğinin Araştırılması, 2022 - 2025

Tort S., Güner F., TUBITAK Project, Alopesi areata tedavisi için sarımsak ve lavanta yağı içeren nanoliflerin üretilmesi ve karakterizasyonu, 2023 - 2024

Tort S., Şerefhan S., TUBITAK Project, Vitiligo tedavisi için khellin içeren nanolif formülasyonlarının elektroçekim yöntemi ile hazırlanması, 2023 - 2024

Tort S., Acartürk F., Kara A. A., TUBITAK Project, Akut Hiponatremi Tedavisinde Tolvaptan İçeren Nanolif ve Katı Dispersiyon Formülasyonlarının Etkinliklerinin Karşılaştırmalı İncelenmesi, 2023 - 2024

Canbolat O., Mutlu Ağardan N. B., Yeşiltaş M., Kılıç T., Mamur S., Şimşek Y., Yavuz S., Orhan G., Babaoğlu Aydaş S. S., Ertit Taştan B., et al., Project Supported by Higher Education Institutions, Meme kanserinde özel nano sistemlerle hücre içine taşınan sentetik Riboz 5 Fosfat ve yapısında Riboz 5 Fosfat taşıyan sentetik nükleozid analoglarının PRPP sentetaz enzimi üzerine olan etkisinin araştırılması, 2022 - 2024

İlbasmış Tamer S., Saral Acarca E. S., Tort S., Acartürk F., Boyacı İ. H., Demirel M. A., Tayyarcan E. K., Evran E., TAGEM Tarımsal Araştırmalar ve Politikalar Genel Müdürlüğü Projesi, Hayvanların Yara Tedavisinde Bakteriyofaj İçeren Hidrojel Formülasyonların Geliştirilmesi, 2022 - 2024

Tort S., Acartürk F., Yücel Ç., TUBITAK Project, Tolvaptanın Çözünürlük ve Çözünme Hızının Arttırılması Amacıyla Nanolif ve Katı Dispersiyon Formülasyonlarının Karşılaştırmalı olarak Değerlendirilmesi, 2021 - 2023

Tort S., Acartürk F., Yücel Ç., TUBITAK Project, Ağızda Hızlı Dağılabilen Loperamid Yüklü Nanolif-Tablet Formülasyonlarının Geliştirilmesi, 2021 - 2022

Tort S., Acartürk F., TUBITAK Project, Düşük Molekül Ağırlıklı Heparinin Oral Verilmesi Amacıyla Nano Taşıyıcı Sistemlerin Geliştirilmesi ve Etkinliğinin Değerlendirilmesi , 2018 - 2021

Han S., Karaküçük A. E., Tort S., Çelebi F. N., TUBITAK Project, Nanosüspansiyon Bazlı Etodolak Jel Formülasyonunun Geliştirilmesi ve in vitro/ in vivo Değerlendirilmesi, 2019 - 2020

Acartürk F., Tort S., Tuğcu Demiröz F. N., Gültekin H. E., TUBITAK Project, 3D Baskılama Tekniği ile İlaç Formülasyonlarının Hazırlanmasına Yönelik Çalışmalar, 2018 - 2020

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

Tort S., Karaküçük A. E., Project Supported by Other Official Institutions, Aknenin Önlenmesinde ve Cilt Bakımında Doğal ve Nanoteknolojik Ürün Geliştirilmesi, 2015 - 2016

Acartürk F., TUBITAK Project, Oral Mukozit Tedavisi için Glutamin İçeren Mukoadhezif Nanolif Formülasyonlarının Elektro-Çekim Yöntemi ile Geliştirilmesi, 2012 - 2013

## Patent

Acartürk F., Tort S., Koaksiyel Nanolif Yara Örtüsü, Patent, CHAPTER A Human Needs, The Invention Registration Number: 2016 03822 , Standard Registration, 2022

Tort S., Acartürk F., Tuğcu Demiröz F. N., Gültekin H. E., 3D BASKILAMA TEKNIĞİ İLE İLAÇ FORMÜLASYONLARININ

HAZIRLANMASINA YÖNELİK ÇALIŞMALAR, Patent, CHAPTER A Human Needs, The Invention Recourse Number: 2020/13151 , Standard Registration, 2020

Tort S., Karaküçük A. E., Çelebi F. N., ETODOLAK NANOSÜSPANSİYONU İÇEREN JEL FORMÜLASYONU, Patent, CHAPTER A Human Needs, The Invention Recourse Number: 2020/06378 , Standard Registration, 2020

Karaküçük A. E., Tort S., Kitozan ve PVP Nanolifleri İçeren Kanama Durdurucu Örtü, Patent, CHAPTER A Human Needs, The Invention Registration Number: 2016 16139 , Standard Registration, 2018

Acartürk F., Tort S., Glutamin içeren bir nanolif formülasyonu, Patent, CHAPTER A Human Needs, The Invention Registration Number: 2014 08284 , Standard Registration, 2016

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

Türk Farmasötik Teknoloji Araştırmacıları Derneği, Member, 2006 - Continues, Turkey

Farmasötik Bilimler Ankara Derneği, Member, 2006 - Continues, Turkey

## **Scientific Refereeing**

SCIENTIFIC REPORTS, SCI Journal, March 2021

## **Metrics**

Publication: 118

Citation (WoS): 509

Citation (Scopus): 674

H-Index (WoS): 11

H-Index (Scopus): 13

## **Awards**

Tort S., 2023 Yılı Teşvik Ödülü, Türk Eczacıları Birliği, October 2023

Tort S., TÜBA GEBİP Ödülü, Tüba, December 2022

## **Non Academic Experience**

University of Cincinnati