

## Asst. Prof. TUĞBA EREN BÖNCÜ

### Personal Information

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### Education Information

Doctorate, Ankara University, Faculty Of Pharmacy, Department Of Pharmaceutical Technology, Turkey 2012 - 2018

Under Graduate, Ankara University, Faculty Of Pharmacy, Turkey 2006 - 2011

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, LİNEZOLİD İÇEREN BİYOPARÇALANIR NANOFİBERLERİN HAZIRLANMASI VE İN VİTRO/İN VİVO DEĞERLENDİRİLMESİ, Ankara Üniversitesi, Eczacılık Fakültesi, Farmasötik Teknoloji, 2018

### Research Areas

Health Sciences, Pharmaceutics Technology

### Academic Titles / Tasks

Assistant Professor, Erciyes University, Eczacılık Fakültesi, Eczacılık Teknolojisi , 2021 - Continues

Research Assistant PhD, Erciyes University, Eczacılık Fakültesi, Eczacılık Teknolojisi , 2018 - 2021

Research Assistant, Ankara University, Faculty Of Pharmacy, Department Of Pharmaceutical Technology, 2012 - 2018

Research Assistant, Erciyes University, Eczacılık Fakültesi, Eczacılık Teknolojisi , 2012 - 2012

### Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Electrospinning of ampicillin trihydrate loaded electrospun PLA nanofibers I: effect of polymer concentration and PCL addition on its morphology, drug delivery and mechanical properties**  
EREN BÖNCÜ T., Ozdemir N.  
INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS AND POLYMERIC BIOMATERIALS, 2021 (Journal Indexed in SCI)
- II. **Electrospinning of linezolid loaded PLGA nanofibers: effect of solvents on its spinnability, drug delivery, mechanical properties, and antibacterial activities**  
EREN BÖNCÜ T., Ozdemir N., Uskudar Guclu A.  
DRUG DEVELOPMENT AND INDUSTRIAL PHARMACY, vol.46, no.1, pp.109-121, 2020 (Journal Indexed in SCI)

- III. **In vitro and in vivo evaluation of linezolid loaded electrospun PLGA and PLGA/PCL fiber mats for prophylaxis and treatment of MRSA induced prosthetic infections**  
Boncu T. E. , Guclu A. U. , Catma M. F. , Savaser A., Gokce A., Ozdemir N.  
INTERNATIONAL JOURNAL OF PHARMACEUTICS, vol.573, 2020 (Journal Indexed in SCI)
- IV. **The Effects of Polymeric Molar Mass, Concentration, and Adding of Different Surfactants on The Electrospun Poly(Vinyl Alcohol) Nanofibers**  
Eren Böncü T., Özdemir A. N.  
Latin American Journal Of Pharmacy, vol.38, no.8, pp.1552-1561, 2019 (Journal Indexed in SCI Expanded)

### Articles Published in Other Journals

- I. **Gallic acid-loaded microemulsion and microemulsion gel: Development, characterization, and evaluation of antioxidant effectiveness**  
Eren Böncü T., Yücel Ç., Şeker Karatoprak G., Takır E.  
Indian Journal of Natural Products and Resources, vol.12, no.1, pp.128-135, 2021 (Journal Indexed in ESCI)
- II. **Antioksidan Etkili Rutin İçeren Mikroemülsiyon ve Mikroemülsiyon Jel Formülasyonlarının Geliştirilmesi, Karakterizasyonu ve Etkinliğinin İncelenmesi**  
YÜCEL Ç., EREN BÖNCÜ T., ŞEKER KARATOPRAK G., AKPOLAT R. N.  
Düzce Üniversitesi Sağlık Bilimleri Enstitüsü Dergisi, vol.10, no.3, pp.302-309, 2020 (Refereed Journals of Other Institutions)
- III. **Kitozan filmlerden hidrofobik etkin madde salımı üzerine etki eden parametrelerin incelenmesi**  
EREN BÖNCÜ T., ÖZDEMİR A. N.  
Turkish Journal Of Medical Sciences, vol.38, no.2, pp.122-128, 2018 (Refereed Journals of Other Institutions)

### Books & Book Chapters

- I. **Nanolifler ve Eczacılıktaki Uygulamaları**  
SERİM T. M. , EREN BÖNCÜ T., AMASYA G., ŞENGEL TÜRK C. T. , ÖZDEMİR A. N.  
in: Eczacılıkta Yenilikler 3, Gülbin Özçelikay, İlkay Yıldız, Editor, Ankara Üniversitesi Yayınları, Ankara, pp.403-424, 2020

### Refereed Congress / Symposium Publications in Proceedings

- I. **The effect of type and concentration of chitosan on the electrospun poly(caprolacton) nanofibers**  
EREN BÖNCÜ T., ÖZDEMİR A. N.  
12th International Symposium on Pharmaceutical Sciences (ISOPS), 26 June 2018 - 29 June 2019
- II. **The effect of anionic, cationic and nonionic surfactants on the electrospun poly(vinyl alcohol) 50000 nanofibers**  
ÖZDEMİR A. N. , EREN T.  
16.Int.Conference and exhibition on pharmaceutical formulations Rome, Italy, 26 July 2018
- III. **The effect of surfactants type and concentrations on the electrospun poly(vinyl alcohol) nanofibers**  
EREN BÖNCÜ T., ÖZDEMİR A. N.  
11th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology (PBP), Granada, Nicaragua, 19 - 22 March 2018
- IV. **Enhancement of dissolution rate of methylprednisolone by complexation with different type of cyclodextrin**  
EREN T., ILGIN G., ÖZDEMİR A. N.  
3rd International Conference on New Trends in Chemometrics and Applications (NTCA), 25 - 28 May 2016

**V. EVALUATION OF FLURBIPROFEN LOADED POLYCAPROLACTONE MICROPARTICLES AND CHITOSAN FILMS CONTAINING THESE PARTICLES**

SERİM T. M. , KIRAN M., EREN BÖNCÜ T., ÖZDEMİR A. N.

Innovation In Drug Delivery: Advances in Local Drug Delivery, Pisa, Italy, 22 - 25 September 2012

**VI. COMPARATIVE STUDY OF LOSARTAN POTASSIUM RELEASE FROM MATRIX TABLETS WITH KOLLIDON SR OR ETHYLCELLULOSE**

ERGİN A. D. , EREN BÖNCÜ T., TURHAN F., ŞENGEL TÜRK C. T. , HASÇIÇEK C.

Innovation in Drug Delivery: Advances in Local Drug Delivery, Pisa, Italy, 22 - 25 September 2012

## **Supported Projects**

YÜCEL Ç., ŞEKER KARATOPRAK G., EREN BÖNCÜ T., YALÇINTAŞ S., Project Supported by Higher Education Institutions, Kozmetik alanında kullanıma yönelik güçlü antioksidan etkili etozomal formülasyonların geliştirilerek etkinliğinin incelenmesi, 2020 - Continues

EREN BÖNCÜ T., TÜBİTAK Project, Antibiyotik Yüklü İmplant Biyodegradabl Nanofiberlerin Ortopedik Protez Enfeksiyonu Tedavisinde Kullanımının Ratlarda In Vivo Değerlendirilmesi, 2017 - Continues

Eren Böncü T., Özdemir A. N. , Project Supported by Higher Education Institutions, Investigation of Parameters Affecting the Effect of In vitro Release From Implantable Rifampicin and Vancomycin Loaded Nanofibers, 2016 - 2018

## **Patent**

Eren Böncü T., Özdemir A. N. , Controlled Release Linezolid Loaded Implantable Biodegradable Poly (lactic acid-co-glycolic acid) Fiber , Patent, CHAPTER A Human Needs, The Invention Recourse Number: 2019/06954 , Initial Registration, 2019

## **Citations**

Total Citations (WOS):14

h-index (WOS):2