

Asst. Prof. BURAK ÇELİK

Personal Information

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Education Information

Doctorate, İstanbul Üniversitesi, Sağlık Bilimleri Enstitüsü, Farmasötik Teknoloji, Turkey 2012 - 2016

Under Graduate, Yeditepe Üniversitesi, Eczacılık Fakültesi, Eczacılık, Turkey 2007 - 2012

Foreign Languages

Spanish, A1 Beginner

English, C1 Advanced

Dissertations

Doctorate, Piribedil mukoadezif tabletlerinin tasarımı üzerine çalışmalar, İstanbul Üniversitesi, Sağlık Bilimleri Enstitüsü, Eczacılık/Farmasötik Teknoloji, 2016

Research Areas

Health Sciences, Pharmacology and Therapeutics, Pharmaceutics Technology, Pharmaceutical Technology

Academic Titles / Tasks

Research Assistant, Bezmialem Vakıf University, Eczacılık Fakültesi, Farmasötik Teknoloji, 2013 - Continues

Courses

Cosmetology, Under Graduate, 2017 - 2018

Farmasötik Teknoloji , Under Graduate, 2017 - 2018

İlaç Endüstrisi, Under Graduate, 2017 - 2018

İlaç Şekilleri ve Teknolojisi 2, Associate Degree, 2017 - 2018

İlaç Şekilleri ve Teknolojisi 1, Associate Degree, 2017 - 2018

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

- I. INFLUENCE OF VEHICLES AND PENETRATION ENHANCERS ON ANTI-INFLAMMATORY EFFECT OF 18-beta GLYCYRRHETINIC ACID: KINETIC MODELLING OF DRUG RELEASE, IN VIVO AND EX VIVO EXPERIMENTS**

- Karaman E. F. , ÇELİK B., Ozdemir S., Tekkeli E. K. , Demirkoz A. B. , Gonullu U., Uner M.
FARMACIA, vol.68, no.4, pp.646-655, 2020 (Journal Indexed in SCI)
- II. **Targeted Nanomedicines for Cancer Therapy, From Basics to Clinical Trials**
Eskandari Z., BAHADORİ F., ÇELİK B., Onyüksel H.
JOURNAL OF PHARMACY AND PHARMACEUTICAL SCIENCES, vol.23, pp.132-157, 2020 (Journal Indexed in SCI)
- III. **Eplerenone nanoemulsions for treatment of hypertension. Part I: Experimental design for optimization of formulations and physical characterization**
Ozdemir S., Celik B., Acar E. T. , Duman G., Uner M.
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, vol.45, pp.357-366, 2018 (Journal Indexed in SCI)
- IV. **Eplerenone nanoemulsions for treatment of hypertension. Part II: Physical stability assessment and in vivo study**
Ozdemir S., Celik B., Sumer E., Acar E. T. , Uner M.
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, vol.45, pp.287-295, 2018 (Journal Indexed in SCI)
- V. **Optimization of piribedil mucoadhesive tablets for efficient therapy of Parkinson's disease: physical characterization and ex vivo drug permeation through buccal mucosa**
Celik B., Ozdemir S., Demirkoz A. B. , Uner M.
DRUG DEVELOPMENT AND INDUSTRIAL PHARMACY, vol.43, no.11, pp.1836-1845, 2017 (Journal Indexed in SCI)
- VI. **Risperidone mucoadhesive buccal tablets: formulation design, optimization and evaluation**
ÇELİK B.
DRUG DESIGN DEVELOPMENT AND THERAPY, vol.11, pp.3355-3365, 2017 (Journal Indexed in SCI)
- VII. **Therapeutic Potential of Drug Delivery by Means of Lipid Nanoparticles: Reality or Illusion?**
Uner M., Damgali S., Ozdemir S., Celik B.
CURRENT PHARMACEUTICAL DESIGN, vol.23, no.43, pp.6573-6591, 2017 (Journal Indexed in SCI)
- VIII. **Design, optimization and characterization of coenzyme Q10-and D-panthenyl triacetate-loaded liposomes**
Celik B., Sagiroglu A., Ozdemir S.
INTERNATIONAL JOURNAL OF NANOMEDICINE, vol.12, pp.4869-4878, 2017 (Journal Indexed in SCI)
- IX. **Intraocular pressure in infants and its association with hormonal changes with vaginal birth versus cesarean section.**
Elbay A., CELİK U., CELİK B., OZER O., KILIC G., AKKAN J., BAYRAKTAR B., KAYMAK N.
International ophthalmology, vol.36, pp.855-860, 2016 (Journal Indexed in SCI Expanded)

Articles Published in Other Journals

- I. **Hedeflendirilmiş Nanoilaçlar**
ÖNYÜKSEL H., BAHADORİ F., ÇELİK B.
Türkiye Klinikleri Farmakoloji Özel Dergisi, vol.5, no.2, pp.90-101, 2017 (Other Refereed National Journals)
- II. **Evaluation of the relationship between corneal biomechanic and HbA1C levels in type 2 diabetes patients.**
YAZGAN S., CELİK U., KALDIRIM H., AYAR O., Elbay A., AYKUT V., CELİK B., TAŞ M.
Clinical ophthalmology (Auckland, N.Z.), vol.8, pp.1549-53, 2014 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- I. **In-vitro investigation of changes in efficacy and toxicity of nano-paclitaxel during co-applications with antioxidant natural compounds**
Kazdal F., BAHADORİ F., Eskandari Z., KOÇYİĞİT A., Şahin V. B. , Öz Öztenekeci B., ÇELİK B.
24th World Nano Conference, Roma, Italy, 07 May 2018, pp.1
- II. **Design, preparation and characterization of liposomal formulation used for wound healing**

ASRAM SAĞIROĞLU A., ÇELİK B., ÖZDEMİR S.

3rd International Conference and Expo on Drug Discovery & Designing, Viyana, Austria, 02 October 2017, pp.10

III. Formulation and Characterization of Piribedil Buccal Tablets

ÇELİK B., ÜNER M.

9th Annual European Pharma Congress, Madrid, Spain, 26 June 2017, vol.6, no.1, pp.57

IV. Preliminary Studies on Preparation of Mucoadhesive Tablets Using Different Polymers

ÇELİK B., ÜNER M.

İVEK 2. Uluslararası İlaç ve Eczacılık Kongresi, İstanbul, Turkey, 26 November 2015, pp.122

V. Apolipoprotein E4 Mediated Targeting of Blood Brain Barrier Using Nano-Micellar Metal Chelators for Treatment of Alzheimer's Disease

BAHADORİ F., ÇELİK B., Kazdal F., KUŞMAN T.

3rd International Conference on Integrative Biology, Valencia, Spain, 04 August 2015, vol.4, no.2, pp.84

VI. Plant extracts as metal chelators for treatment of Alzheimer's disease

Kazdal F., ÇELİK B., BAHADORİ F., Ertaş A.

3rd International Conference on Integrative Biology, Valencia, Spain, 04 August 2015, vol.4, no.2, pp.105

VII. A Novel Nano Formulation For Synthetic And Plant Based Metal Chelators With Blood-Brain Barrier Targeting Property For Treatment Of Alzheimer's Disease

BAHADORİ F., Kazdal F., ÇELİK B.

11th International Symposium on Pharmaceutical Sciences (ISOPS-11), Ankara, Turkey, 09 June 2015, pp.1

Supported Projects

ÇELİK B., Project Supported by Higher Education Institutions, D-pantenil triasetat ve Koenzim Q10 içeren Lipozomal Formülasyonların Eksizyonel Sıçan Yara Modelinde İyileştirici Özelliklerinin İncelenmesi, 2018 - Continues

ÇELİK B., ASRAM SAĞIROĞLU A., Project Supported by Higher Education Institutions, Antiepileptik Etkin Maddeler İçeren Lipit Nanopartiküllerin Tasarımı, Formülasyonu ve Karakterizasyonu, 2017 - Continues

ÇELİK B., YILMAZ B., Project Supported by Higher Education Institutions, Gümüş Eklenmiş Çeşitli Simanların Antibakteriyel Etkinliklerinin ve Materyal Bağlanma Dayanımının İn vitro Olarak İncelenmesi, 2017 - 2018

ÇELİK B., ASRAM SAĞIROĞLU A., Project Supported by Higher Education Institutions, D-pantenil triasetat ve koenzim q10 içeren lipozomal formülasyonların hazırlanması ve karakterizasyonu, hücre kültüründe antioksidan ve yara iyileştirici özelliklerinin incelenmesi, 2016 - 2017

ÇELİK B., Project Supported by Higher Education Institutions, Piribedil Mukoadezif Tabletlerinin Formülasyonu ve Karakterizasyonu, 2015 - 2016

ÇELİK B., Project Supported by Higher Education Institutions, Alzheimer Tedavisine Yönelik, Metal Protein Bağı Zayıflatıcı Özellikli Bitki Ekstrelerinin Saptanması ve Aktif Bulunan Ekstrelerin Kan Beyin Bariyerini Aşabilen Nano Formülasyonlarının Hazırlanması, 2014 - 2015

Edit Congress and Symposium Activities

International Workshop on Applications of NMR in Pharmaceuticals, Phytotherapeutics and Medicine, Attendee, Turkey, 2017

9th Annual European Pharma Congress, Attendee, Madrid, Spain, 2017

İVEK 2. Uluslararası İlaç ve Eczacılık Kongresi, Attendee, İstanbul, Turkey, 2015

3rd International Conference on Integrative Biology, Attendee, Valencia, Spain, 2015

11th International Symposium on Pharmaceutical Sciences (ISOPS-11), Attendee, Ankara, Turkey, 2015

Citations

Total Citations (WOS):32

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