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Personal Information

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Education Information

Doctorate, Gazi University, Sağlık Bilimleri Enstitüsü, Farmasötik Teknoloji (Dr), Turkey 2008 - 2013

Postgraduate, Gazi University, Sağlık Bilimleri Enstitüsü, Farmasötik Teknoloji (YI) (Tezli), Turkey 2005 - 2007

Undergraduate, Gazi University, Eczacılık Fakültesi, Eczacılık Pr. (4 Yıllık), Turkey 2001 - 2005

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, SERM (Selective estrogen receptor modulators) grubu raloksifen ve tamoksifen içeren yeni ilaç şekilleri üzerine çalışmalar, Gazi University, Sağlık Bilimleri Enstitüsü, Farmasötik Teknoloji (Dr), 2013

Postgraduate, Rivastigminin lipozom formülasyonunun geliştirilmesi ve hücre kültürlerinden geçişinin incelenmesi, Gazi University, Sağlık Bilimleri Enstitüsü, Farmasötik Teknoloji (YI) (Tezli), 2007

Research Areas

Health Sciences

Academic Titles / Tasks

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

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

- I. **<i>In vitro</i> and <i>in vivo</i> evaluations on nanoparticle and phospholipid hybrid nanoparticles with absorption enhancers for oral insulin delivery.**
Mutlu-Agardan N. B. , Han S.
Pharmaceutical development and technology, vol.26, pp.157-166, 2021 (Journal Indexed in SCI Expanded)
- II. **In vitroandin vivoevaluation of microneedles coated with electrosprayed 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 (Journal Indexed in SCI)
- III. **Tamoxifen/raloxifene loaded liposomes for oral treatment of breast cancer**

- Agardan N. B. , Degim Z., Yilmaz S., Altintas L., Topal T.
Journal of Drug Delivery Science and Technology, vol.57, 2020 (Journal Indexed in SCI Expanded)
- IV. **Cytotoxicity of Novel Redox Sensitive PEG2000-S-S-PTX Micelles against Drug-Resistant Ovarian and Breast Cancer Cells**
Mutlu-Agardan N. B. , Sarisozen C., Torchilin V. P.
Pharmaceutical Research, vol.37, no.3, 2020 (Journal Indexed in SCI Expanded)
- V. **Development of effective AmB/AmB- α CD complex double loaded liposomes using a factorial design for systemic fungal infection treatment**
Mutlu-Agardan N. B. , Yilmaz S., KAYNAK ONURDAĞ F., Celebi N.
Journal of Liposome Research, 2020 (Journal Indexed in SCI Expanded)
- VI. **Redox-triggered intracellular siRNA delivery**
MUTLU AĞARDAN N. B. , Sarisozen C., Torchilin V. P.
CHEMICAL COMMUNICATIONS, vol.54, no.49, pp.6368-6371, 2018 (Journal Indexed in SCI)
- VII. **The Effectiveness of Raloxifene-Loaded Liposomes and Cochleates in Breast Cancer Therapy**
MUTLU AĞARDAN N. B. , Degim Z., Yilmaz S., Altintas L., Topal T.
AAPS PHARMSCITECH, vol.17, no.4, pp.968-977, 2016 (Journal Indexed in SCI)
- VIII. **Antitumoral and MMP-2 inhibition activity of raloxifene or tamoxifen loaded nanoparticles containing dimethyl-beta-cyclodextrin**
Agardan N. B. , Degim Z., Yilmaz S.
JOURNAL OF INCLUSION PHENOMENA AND MACROCYCLIC CHEMISTRY, vol.80, pp.31-36, 2014 (Journal Indexed in SCI)
- IX. **New perspective for the treatment of Alzheimer diseases: Liposomal rivastigmine formulations**
MUTLU AĞARDAN N. B. , Degim Z., Yilmaz S., EŞSİZ D., NACAR A.
DRUG DEVELOPMENT AND INDUSTRIAL PHARMACY, vol.37, no.7, pp.775-789, 2011 (Journal Indexed in SCI)
- X. **Investigation of liposome formulation effects on rivastigmine transport through human colonic adenocarcinoma cell line (CACO-2)**
Degim Z., Mutlu N. B. , Yilmaz S., Essiz D., Nacar A.
Pharmazie, vol.65, no.1, pp.32-40, 2010 (Journal Indexed in SCI Expanded)
- XI. **DEVELOPMENT OF LIPOSOME FORMULATION OF RIVASTIGMINE AND INVESTIGATION OF TRANSPORT PROPERTIES THROUGH MDCK AND CACO-2 CELL LINES**
Degim Z., MUTLU AĞARDAN N. B. , Yilmaz S., EŞSİZ D.
EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.38, no.1, pp.88-89, 2009 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **AN OVERVIEW OF SUBUNIT-BASED VACCINES FOR PULMONARY ADMINISTRATION**
Ongun M., Mutlu Ağardan N. B. , Acartürk F.
Ankara Üniversitesi Eczacılık Fakültesi Dergisi, vol.45, no.1, pp.109-130, 2021 (National Refreed University Journal)
- II. **Studies on the formulation optimization and controlled ionic gelation of chitosan nanoparticles using TPP-HP-beta-CD inclusion complex**
Agardan M.
ISTANBUL JOURNAL OF PHARMACY, vol.50, no.1, pp.54-59, 2020 (Journal Indexed in ESCI)
- III. **Development of Liposome Formulations of Tamoxifen and Assessment of Caco-2 Cell Transportation Properties**
MUTLU AĞARDAN N. B. , DEĞİM Z., Yilmaz Ş.
FABAD J. Pharm. Sci, vol.43, no.1, pp.1-6, 2018 (Refereed Journals of Other Institutions)
- IV. **Bioavailability file: Rivastigmine tartrate**
Mutlu N. B. , Değim Z.
Fabad Journal of Pharmaceutical Sciences, vol.30, no.3, pp.150-157, 2005 (Refereed Journals of Other Institutions)

Books & Book Chapters

- I. **Engineering of stimuli-sensitive nanopreparations to overcome physiological barriers and cancer multidrug resistance**
MUTLU AĞARDAN N. B. , Torchilin V. P.
in: Engineering of Nanobiomaterials Applications of Nanobiomaterials, Alexandru Grumezescu , Editor, Elsevier Inc, pp.1-28, 2016

Refereed Congress / Symposium Publications in Proceedings

- I. **Evaluation of Dissolution Properties of Cyclosporine a Nanosuspensions Prepared with Two Different Top Down Technologies**
GÜLBAĞ S., MUTLU AĞARDAN N. B. , ÇELEBİ F. N.
8th BBBB Conference on Pharmaceutical Sciences, İzmir, Turkey, 14 - 16 October 2019
- II. **Development of Amphotericin B loaded chitosan sulfobutylether- β -cyclodextrin nanoparticles with sodium deoxycholate**
MUTLU AĞARDAN N. B.
8th BBBB Conference on Pharmaceutical Sciences, İzmir, Turkey, 14 - 16 October 2019
- III. **The Effect of Process Parameters of the Cyclosporine A Nanosuspension Produced by Wet Milling Stabilized with Hydroxypropyl methylcellulose**
GÜLBAĞ S., KARAKÜÇÜK A. E. , MUTLU AĞARDAN N. B. , ÇELEBİ F. N.
Controlled Release Society (CRS) Annual Meeting Exposition, Valencia, Spain, 21 - 24 July 2019
- IV. **AmB / AmB- α CD çifte yüklü lipozomların antifungal etkinlik ve sitotoksitesite çalışmaları**
MUTLU AĞARDAN N. B. , KAYNAK ONURDAĞ F., yılmaz ş., çelebi n.
2. Ulusal Marmara Eczacılık Kongresi (UMEK-2), İstanbul, Turkey, 14 - 16 November 2018
- V. **Preformulation studies of cyclosporine A nanosuspension stabilized by hydroxypropyl methylcellulose and soluplus**
GÜLBAĞ S., KARAKÜÇÜK A. E. , MUTLU AĞARDAN N. B. , Çelebi N.
12th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 26 - 29 June 2018
- VI. **Top down production of cyclosporine A nanosuspensions: Formulation design and characterization for oral delivery**
GÜLBAĞ S., KARAKÜÇÜK A. E. , MUTLU AĞARDAN N. B. , ÇELEBİ N.
EUFEPS Annual Meeting 2018, Atina, Greece, 24 - 26 May 2018
- VII. **Studies on formulation development of amphotericin B-double loaded liposomes using design of experiment (DoE)**
MUTLU AĞARDAN N. B. , Çelebi N.
EUFEPS Annual Meeting 2018, Atina, Greece, 24 - 26 May 2018
- VIII. **Preparation and characterization of cyclosporine A nanosuspensions for oral administration II: The effect of Poloxamer types on physical stability of formulations**
GÜLBAĞ S., KARAKÜÇÜK A. E. , MUTLU AĞARDAN N. B. , Çelebi F. N.
11th WORLD MEETING on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology, Granada, Nicaragua, 19 - 21 March 2018
- IX. **Development of Amphotericin B-double loaded liposomes using design of experiment (DoE)**
MUTLU AĞARDAN N. B. , Çelebi N.
16th International Conference and Exhibition on Pharmaceutics Novel Drug Delivery Systems, Berlin, Germany, 19 - 21 March 2018, vol.47, pp.88
- X. **Redox potential sensitive smart nanopreparations for drug and siRNA delivery in cancer**
MUTLU AĞARDAN N. B.
16th International Conference and Exhibition on Pharmaceutics Novel Drug Delivery Systems, Berlin, Germany, 19 - 21 March 2018, vol.7, pp.46

- XI. **STUDIES ON ABSORPTION ENHANCEMENT OF TAMOXIFEN BY LIPOSOME FORMULATIONS**
MUTLU AĞARDAN N. B. , DEĞİM Z., YILMAZ Ş., ALTINTAŞ L.
2nd International Gazi Pharma Symposium Series, Ankara, Turkey, 11 - 13 October 2017
- XII. **ANTITUMORAL AND MMP-2 ENZYME INHIBITION ACTIVITIES OF RALOXIFENE NANOCOCHLEATES ON MCF-7 AND MDA MB-231 CELL LINES**
MUTLU AĞARDAN N. B. , DEĞİM Z., YILMAZ Ş.
2nd International Gazi Pharma Symposium Series, 11 - 13 October 2017
- XIII. **Tamoxifen loaded liposomes/nanoparticles**
MUTLU AĞARDAN N. B. , DEĞİM Z., YILMAZ Ş., ALTINTAŞ L.
International Gazi Pharma Symposium Series, Antalya, Turkey, 12 - 15 November 2015
- XIV. **Development of raloxifene nanoparticles with absorption enhancers and investigation of transport properties through Caco-2 cell line**
MUTLU AĞARDAN N. B. , DEĞİM Z., YILMAZ Ş., ALTINTAŞ L.
International Multidisciplinary Symposium on Drug Research Development, Antalya, Turkey, 28 - 29 November 2013
- XV. **Comparison of antitumoural and MMP-2 inhibition activity of dimethyl-β-cyclodextrin containing nanoparticles of raloxifene-tamoxifen**
MUTLU AĞARDAN N. B. , DEĞİM Z., YILMAZ Ş.
European Conference on Cyclodextrins, Antalya, Turkey, 2 - 04 October 2013
- XVI. **Development of liposome formulation of rivastigmine with enhancers and investigation of transport properties through MDCK cell line**
MUTLU AĞARDAN N. B. , DEĞİM Z., YILMAZ Ş., EŞSİZ D.
18 th International Symposium on Microencapsulation, Antalya, Turkey, 12 - 14 September 2011
- XVII. **Development of liposome formulations of rivastigmine with absorption enhancers and investigation of transport properties of liposomes through Caco-2**
MUTLU AĞARDAN N. B. , DEĞİM Z., YILMAZ Ş., EŞSİZ D.
PBP World Meeting, Valletta, Malta, 8 - 11 March 2010
- XVIII. **Development of liposome formulation of rivastigmine and investigation of transport properties through MDCK and Caco-2 cell lines**
DEĞİM Z., MUTLU AĞARDAN N. B. , YILMAZ Ş., EŞSİZ D.
3rd BBBB-Bosphorus International Conference on Pharmaceutical Sciences, Antalya, Turkey, 26 - 28 October 2009
- XIX. **Investigation of rivastigmine transport through MDCK cell line**
MUTLU AĞARDAN N. B. , DEĞİM Z., YILMAZ Ş., EŞSİZ D.
14th International Pharmaceutical Technology Symposium, Antalya, Turkey, 8 - 11 September 2008
- XX. **Investigation of rivastigmine transport through human colon carcinoma cells, Caco-2**
MUTLU AĞARDAN N. B. , DEĞİM Z., YILMAZ Ş., EŞSİZ D., ALTINTAŞ L., GÜNKAYA G.
35th Annual Meeting of Controlled Release Society, New York, United States Of America, 12 - 16 July 2008

Supported Projects

ALTINIŞIK H., ERTEN CAN S. H. , BERKKAN A., MUTLU AĞARDAN N. B. , GÜNEY M., Project Supported by Higher Education Institutions, Florür Yüklü Kitosan Nanopartikülleri İle Modifiye Cam İyonomer Simanın Sekonder Çürükleri Önleme Etkinliğinin İn Vitro Değerlendirilmesi, 2020 - Continues

Karaküçük A. E. , Atak Yücel A., Fidan H. K. , Işık Gönül İ., Mutlu Ağardan N. B. , Project Supported by Higher Education Institutions, Siklosporinin Yeni Oral Formülasyonunun Geliştirilmesi ve İn vitro/ İn vivo Değerlendirilmesi, 2017 - 2020

Mutlu Ağardan N. B. , Kaynak Onurdağ F., TUBITAK Project, Amfoterisin B Siklodekstrin Kompleksi Ve Serbest Amfoterisin B Çifte Yüklü Lipozom Formülasyonunun Geliştirilmesi Ve Değerlendirilmesi, 2016 - 2018

Citations

Total Citations (WOS):116

h-index (WOS):5

Scholarships

2219-International Postdoctoral Research Fellowship Program for Turkish Citizens, TUBITAK, 2014 - 2015