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Education Information

Doctorate, Hacettepe Üniversitesi, Sağlık Bilimleri Enstitüsü, Farmasötik Teknoloji Anabilim Dalı, Turkey 1985 - 1989

Post Graduate, Hacettepe Üniversitesi, Sağlık Bilimleri Enstitüsü, Farmasötik Teknoloji Anabilim Dalı, Turkey 1981 - 1984

Under Graduate, Ankara Üniversitesi, Eczacılık Fakültesi, Eczacılık, Turkey 1976 - 1981

Foreign Languages

English, C1 Advanced

Research Areas

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

Academic Titles / Tasks

Professor, Hacettepe Üniversitesi, Eczacılık Fakültesi, Eczacılık Teknolojisi Bölümü, 2002 - Continues

Associate Professor, Hacettepe Üniversitesi, Eczacılık Fakültesi, Eczacılık Teknolojisi Bölümü, 1995 - 2002

Assistant Professor, Hacettepe Üniversitesi, Eczacılık Fakültesi, Eczacılık Teknolojisi Bölümü, 1992 - 1995

Professional Experience

Head of Department, Hacettepe University, Eczacılık Fakültesi, Eczacılık Teknolojisi Bölümü, 2020 - Continues

Fakülte Kurulu Üyesi, Hacettepe University, Eczacılık Fakültesi, Eczacılık Teknolojisi Bölümü, 2018 - Continues

Director of the Center, Hacettepe University, Eczacılık Fakültesi, Eczacılık Teknolojisi Bölümü, 2018 - Continues

Head of Ethics Committee, Hacettepe University, Eczacılık Fakültesi, Eczacılık Teknolojisi Bölümü, 2013 - Continues

Head of Department, Hacettepe Üniversitesi, Eczacılık Fakültesi, Eczacılık Teknolojisi Bölümü, 2012 - Continues

Advising Theses

Çalış S., BAKTERİYEL KERATİT TEDAVİSİNE YÖNELİK BESİFLOKSASİN YÜKLÜ OKÜLER İNSERTLERİN ELEKTRO-EĞİRME YÖNTEMİ İLE GELİŞTİRİLMESİ VE DEĞERLENDİRİLMESİ, Doctorate, H.KEREM(Student), 2020

Çalış S., Öztürk Atar K., İrinotekan ve STAT3 İnhibitörü Yüklü PLGA-PEG Nanopartiküllerinin Küçük Hücreli Akciğer Kanserine Aktif Hedeflendirilmesi ve In Vivo-In Vitro Değerlendirilmesi, Doctorate, F.BETÜL(Student), 2018

ÇALIŞ S., Sefiksimin düşük çözünürlük ve permeabilitesinin siklodekstrin kompleksleri kullanılarak artırılması üzerine

çalışmalar, Post Graduate, N.ÇELEN(Student), 2015

ÇALIŞ S., Anti-VEGFR-1 monoklonal antikor ile konjuge edilmiş gemsitabin yüklü dendrimerlerin pankreas kanserine aktif hedeflendirilmesi ve in vitro/in vivo olarak değerlendirilmesi, Doctorate, K.ÖZTÜRK(Student), 2015

ÇALIŞ S., Tıbbi cihaz uygulamalarına bağlı olarak gelişen biyofilm bazı osteomyelit tedavisi için polimerik ilaç taşıyıcı sistemlerin formülasyonu ve değerlendirilmesi, Post Graduate, E.SARIGÖL(Student), 2013

ÇALIŞ S., Amfifilik blok kopolimerler kullanılarak nanopartikül formülasyonlarının geliştirilmesi ve in vitro değerlendirilmesi, Post Graduate, H.ÖCAL(Student), 2010

ÇALIŞ S., BİLENSOY E., Kamptotesin içeren polimerik ve oligosakkarit bazı nanopartiküler formülasyonların geliştirilmesi ve in vitro-in vivo değerlendirilmesi, Doctorate, Y.ÇIRPANLI(Student), 2009

ÇALIŞ S., Anjioplastide kullanılmak üzere biyoparçalanır stent formülasyonlarının geliştirilmesi ve in vitro değerlendirilmelerine ilişkin çalışmalar, Post Graduate, C.SARISÖZEN(Student), 2006

ÇALIŞ S., ATİLLA B., Antibiyotik yüklü allogreftler ve biyopolimerik mikropartiküllerin enfekte kemik defektlerine implantasyonu ve etkinliklerinin değerlendirilmesi, Post Graduate, B.SAYIN(Student), 2003

ÇALIŞ S., Ortopedide kullanılan biyoparçalanır polimerler ile hazırlanan teikoplanin içeren mikropartiküler sistemli implantların formülasyonu ve in vitro/ in vivo değerlendirilmesi üzerine çalışmalar, Post Graduate, İ.YENİCE(Student), 2001

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

- I. **Antibody-mediated drug delivery**
ARSLAN F. N. , ÖZTÜRK ATAR K., ÇALIŞ S.
INTERNATIONAL JOURNAL OF PHARMACEUTICS, vol.596, 2021 (Journal Indexed in SCI)
- II. **Development and evaluation of polymeric micelle containing tablet formulation for poorly water-soluble drug: tamoxifen citrate**
ÖZTÜRK ATAR K., Kaplan M., ÇALIŞ S.
DRUG DEVELOPMENT AND INDUSTRIAL PHARMACY, vol.46, no.10, pp.1695-1704, 2020 (Journal Indexed in SCI)
- III. **Design of ocular drug delivery platforms and in vitro - in vivo evaluation of riboflavin to the cornea by non-interventional (epi-on) technique for keratoconus treatment**
AYTEKİN E., ÖZTÜRK N., Vurla İ., POLAT H. K. , Cakmak H. B. , ÇALIŞ S., Pehlivan S. B.
Journal of Controlled Release, vol.324, pp.238-249, 2020 (Journal Indexed in SCI Expanded)
- IV. **Development of besifloxacin HCl loaded nanofibrous ocular inserts for the treatment of bacterial keratitis: In vitro, ex vivo and in vivo evaluation**
POLAT H. K. , Pehlivan S. B. , Ozkul C., ÇALAMAK S., Ozturk N., AYTEKİN E., FIRAT A., ULUBAYRAM K., KOCABEYOĞLU S., Irkeç M., et al.
INTERNATIONAL JOURNAL OF PHARMACEUTICS, vol.585, 2020 (Journal Indexed in SCI)
- V. **Aggregation of chitosan nanoparticles in cell culture: Reasons and resolutions**
Ozturk K., Arslan F. B. , Tavukcuoglu E., ESENDAĞLI G., ÇALIŞ S.
INTERNATIONAL JOURNAL OF PHARMACEUTICS, vol.578, 2020 (Journal Indexed in SCI)
- VI. **Current Advances in Nanopharmaceuticals**
Ozturk-Atar K., EROĞLU H., GÜRSOY R. N. , ÇALIŞ S.
JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY, vol.19, no.7, pp.3686-3705, 2019 (Journal Indexed in SCI)
- VII. **Nanopharmaceuticals as Drug-Delivery Systems: For, Against, and Current Applications**
ÇALIŞ S., ÖZTÜRK ATAR K., ARSLAN F. N. , EROĞLU H., ÇAPAN Y.
NANOCARRIERS FOR DRUG DELIVERY: NANOSCIENCE AND NANOTECHNOLOGY IN DRUG DELIVERY, pp.133-154, 2019 (Journal Indexed in SCI)
- VIII. **Novel advances in targeted drug delivery**
Öztürk-Atar K., EROĞLU H., ÇALIŞ S.
Journal of Drug Targeting, vol.26, no.8, pp.633-642, 2018 (Journal Indexed in SCI)
- IX. **Characterization of bevacizumab by dynamic light scattering while maintaining its native structure**
Akbas S., Sahin A., ÇALIŞ S., Oncel H., ÇAPAN Y.

PHARMAZIE, vol.73, no.7, pp.369-374, 2018 (Journal Indexed in SCI)

- X. **Development and in vitro evaluation of doxorubicin and celecoxib co-loaded bone targeted nanoparticles**
Kozlu S., Sahin A., Ultav G., Yerlikaya F., ÇALIŞ S., ÇAPAN Y.
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, vol.45, pp.213-219, 2018 (Journal Indexed in SCI)
- XI. **Tumor-Induced Myeloid Cells Are Reduced by Gemcitabine-Loaded PAMAM Dendrimers Decorated with Anti-Flt1 Antibody**
Yoyen-Ermis D., Ozturk-Atar K., KURŞUNEL M. A. , Aydin C., Ozkazanc D., Gurbuz M. U. , ÜNER A., TÜLÜ M., ÇALIŞ S., ESENDAĞLI G.
MOLECULAR PHARMACEUTICS, vol.15, no.4, pp.1526-1533, 2018 (Journal Indexed in SCI)
- XII. **Design and in vitro evaluation of tenofovir-loaded vaginal gels for the prevention of HIV infections.**
TIMUR S. S. , ŞAHİN A., AYTEKİN E., ÖZTÜRK N., POLAT K., TEZEL N., Gürsoy R. N. , ÇALIŞ S.
Pharmaceutical development and technology, vol.23, pp.301-310, 2018 (Journal Indexed in SCI Expanded)
- XIII. **A thermosensitive gel loaded with an enzyme and an antibiotic drug for the treatment of periprosthetic joint infection**
Sarigol E., EKİZOĞLU M., Pehlivan S., BODUR E., SAĞIROĞLU M., ÇALIŞ S.
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- XIV. **Development and validation of a LC-FL method for the simultaneous determination of doxorubicin and celecoxib in nanoparticulate fixed dose combination (NanoFDC)**
Kozlu S., ŞAHİN A. E. , ÇALIŞ S., ÇAPAN Y.
PHARMAZIE, vol.72, no.10, pp.568-570, 2017 (Journal Indexed in SCI)
- XV. **Design and evaluation of gamma-sterilized vancomycin hydrochloride-loaded poly(ϵ -caprolactone) microspheres for the treatment of biofilm-based medical device-related osteomyelitis**
SARIGÖL E., PEHLİVAN S., EKİZOĞLU M., SAĞIROĞLU M., ÇALIŞ S.
Pharmaceutical Development and Technology, vol.22, no.6, pp.706-714, 2017 (Journal Indexed in SCI Expanded)
- XVI. **Effective targeting of gemcitabine to pancreatic cancer through PEG-cored Flt-1 antibody-conjugated dendrimers**
Ozturk K., ESENDAĞLI G., Gurbuz M. U. , TÜLÜ M., ÇALIŞ S.
INTERNATIONAL JOURNAL OF PHARMACEUTICS, vol.517, pp.157-167, 2017 (Journal Indexed in SCI)
- XVII. **Preparation and in vitro evaluation of 5-fluorouracil-loaded PCL nanoparticles for colon cancer treatment**
Ozturk K., Mashal A. R. , Yegin B., ÇALIŞ S.
PHARMACEUTICAL DEVELOPMENT AND TECHNOLOGY, vol.22, no.5, pp.635-641, 2017 (Journal Indexed in SCI)
- XVIII. **Cytotoxicity and biodistribution studies on PEGylated EDA and PEG cored PAMAM dendrimers**
Gurbuz M. U. , Ozturk K., Erturk A. S. , YOYEN-ERMIS D., ESENDAĞLI G., ÇALIŞ S., TÜLÜ M.
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, vol.27, no.16, pp.1645-1658, 2016 (Journal Indexed in SCI)
- XIX. **5-Fluorouracil-loaded PLA/PLGA PEG-PPG-PEG polymeric nanoparticles: formulation, in vitro characterization and cell culture studies**
Ocal H., Arica-Yegin B., VURAL İ., Goracinova K., ÇALIŞ S.
DRUG DEVELOPMENT AND INDUSTRIAL PHARMACY, vol.40, no.4, pp.560-567, 2014 (Journal Indexed in SCI)
- XX. **The effect of inorganic salt type and concentration on hydrophilic drug loading into microspheres using the emulsion/solvent diffusion method**
YAG G., ÇALIŞ S., Arica-Yegin B.
DRUG DEVELOPMENT AND INDUSTRIAL PHARMACY, vol.40, no.3, pp.390-397, 2014 (Journal Indexed in SCI)
- XXI. **Cytotoxicity and in vitro characterization studies of synthesized Jeffamine- cored PAMAM dendrimers**
Ozturk K., Erturk A. S. , Sansozen C., TÜLÜ M., ÇALIŞ S.
JOURNAL OF MICROENCAPSULATION, vol.31, no.2, pp.127-136, 2014 (Journal Indexed in SCI)
- XXII. **Comparative biodistribution studies of technetium-99m radiolabeled amphiphilic nanoparticles using three different reducing agents during the labeling procedure**

- Geskovski N., Kuzmanovska S., Crcarevska M. S. , ÇALIŞ S., Dimchevska S., Petrusevska M., Zdravkovski P., Goracinova K.
JOURNAL OF LABELLED COMPOUNDS & RADIOPHARMACEUTICALS, vol.56, no.14, pp.689-695, 2013 (Journal Indexed in SCI)
- XXIII. **Definition of formulation design space, in vitro bioactivity and in vivo biodistribution for hydrophilic drug loaded PLGA/PEO-PPO-PEO nanoparticles using OFAT experiments**
Crcarevska M. S. , Geskovski N., Calis S., Dimchevska S., Kuzmanovska S., Petrusevski G., Kajdzanoska M., Ugarkovic S., Goracinova K.
EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.49, no.1, pp.65-80, 2013 (Journal Indexed in SCI)
- XXIV. **A Novel Protein-Based Anticancer Drug Encapsulating Nanosphere: Apoferritin-Doxorubicin Complex**
KILIÇ M. A. , Ozlu E., ÇALIŞ S.
JOURNAL OF BIOMEDICAL NANOTECHNOLOGY, vol.8, no.3, pp.508-514, 2012 (Journal Indexed in SCI)
- XXV. **A double-blind placebo-controlled study of 5-fluorouracil: Cyclodextrin complex loaded thermosensitive gel for the treatment of HPV induced condyloma**
BİLENSOY E., Moroy P., Çirpanlı Y., Bilensoy T., ÇALIŞ S., Mollamahmutoglu L.
Journal of Inclusion Phenomena and Macrocyclic Chemistry, vol.69, pp.309-313, 2011 (Journal Indexed in SCI)
- XXVI. **Antitumoral activity of camptothecin-loaded nanoparticles in 9L rat glioma model**
Çirpanlı Y., Allard E., Passirani C., Bilensoy E., Lemaire L., Çaliş S., Benoit J.
INTERNATIONAL JOURNAL OF PHARMACEUTICS, vol.403, pp.201-206, 2011 (Journal Indexed in SCI)
- XXVII. **Comparative evaluation of in vitro parameters of tamoxifen citrate loaded poly(lactide-co-glycolide), poly(ϵ -caprolactone) and chitosan nanoparticles**
Cirpanli Y., Yerlikaya F., Ozturk K., Erdogar N., Launay M., Gegu C., Leturgez T., BİLENSOY E., ÇALIŞ S., ÇAPAN Y.
Pharmazie, vol.65, no.12, pp.867-870, 2010 (Journal Indexed in SCI)
- XXVIII. **Optimization of prednisolone acetate-loaded chitosan microspheres using a 2(3) factorial design for preventing restenosis**
Sarisozen C., Arica B., ORMAN M. N. , Hincal A. A. , ÇALIŞ S.
DRUG DELIVERY, vol.17, no.3, pp.178-186, 2010 (Journal Indexed in SCI)
- XXIX. **Antibacterial activity of triclosan chitosan coated graft on hernia graft infection model**
Çakmak A., Çirpanlı Y., Bilensoy E., Yorganci K., Çaliş S., Saribaş Z., Kaynaroğlu V.
INTERNATIONAL JOURNAL OF PHARMACEUTICS, vol.381, no.2, pp.214-219, 2009 (Journal Indexed in SCI)
- XXX. **Wheat germ agglutinin-conjugated chitosan-Ca-alginate microparticles for local colon delivery of 5-FU: Development and in vitro characterization**
Dodov M. G. , ÇALIŞ S., Crcarevska M. S. , Geskovski N., Petrovska V., Goracinova K.
INTERNATIONAL JOURNAL OF PHARMACEUTICS, vol.381, no.2, pp.166-175, 2009 (Journal Indexed in SCI)
- XXXI. **ANALYTICAL METHOD DEVELOPMENT AND VALIDATION OF TAMOXIFEN CITRATE USING NORMAL PHASE HIGH PERFORMANCE LIQUID CHROMATOGRAPHY**
Yerlikaya F., Launay M., Gegu C., Leturgez T., BİLENSOY E., ÇALIŞ S., ÇAPAN Y.
EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.38, no.1, pp.183-184, 2009 (Journal Indexed in SCI)
- XXXII. **STUDIES ON THE IMPROVEMENT OF ENCAPSULATION EFFICIENCY OF A HYDROPHILIC DRUG**
Yag G., Yegin B., ÇALIŞ S.
EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.38, no.1, pp.87-88, 2009 (Journal Indexed in SCI)
- XXXIII. **Comparative evaluation of polymeric and amphiphilic cyclodextrin nanoparticles for effective camptothecin delivery**
Çirpanlı Y., Bilensoy E., Lale Doğan A., Çaliş S.
EUROPEAN JOURNAL OF PHARMACEUTICS AND BIOPHARMACEUTICS, vol.73, no.1, pp.82-89, 2009 (Journal Indexed in SCI)
- XXXIV. **Development of biodegradable drug releasing polymeric cardiovascular stents and in vitro evaluation**
Sarisozen C., Arica B., Hincal A. A. , ÇALIŞ S.
JOURNAL OF MICROENCAPSULATION, vol.26, no.6, pp.501-512, 2009 (Journal Indexed in SCI)

- XXXV. **Thermosensitive mucoadhesive gel formulation loaded with 5-Fu: cyclodextrin complex for HPV-induced cervical cancer**
Bilensoy E., Cirpanli Y., Sen M., Dogan A. L. , Calis S.
JOURNAL OF INCLUSION PHENOMENA AND MACROCYCLIC CHEMISTRY, vol.57, pp.363-370, 2007 (Journal Indexed in SCI)
- XXXVI. **Implantation of vancomycin microspheres in blend with human/rabbit bone grafts to infected bone defects**
Sayin B., Calis S., Atilla B., MARANGOZ S., Hincal A. A.
JOURNAL OF MICROENCAPSULATION, vol.23, no.5, pp.553-566, 2006 (Journal Indexed in SCI)
- XXXVII. **Formulation and in vitro evaluation of bisphosphonate loaded microspheres for implantation in osteolysis**
Samdancioglu S., Calis S., Sumnu M., Hincal A.
DRUG DEVELOPMENT AND INDUSTRIAL PHARMACY, vol.32, no.4, pp.473-481, 2006 (Journal Indexed in SCI)
- XXXVIII. **Formulation and in-vitro characterization of retinoic acid loaded poly (lactic-co-glycolic acid) microspheres**
Cirpanli Y., Unlu N., Calis S., Hincal A.
JOURNAL OF MICROENCAPSULATION, vol.22, no.8, pp.877-889, 2005 (Journal Indexed in SCI)
- XXXIX. **The effects of lyophilization on the stability of liposomes containing 5-FU**
Glavas-Dodov M., Fredro-Kumbaradzi E., Goracinova K., Simonoska M., Calis S., Trajkovic-Jolevskaa S., Hincal A.
INTERNATIONAL JOURNAL OF PHARMACEUTICS, vol.291, pp.79-86, 2005 (Journal Indexed in SCI)
- XL. **In vitro and in vivo studies of ibuprofen-loaded biodegradable alginate beads**
ARICA YEGİN B., ÇALIŞ S., ATILLA P., KANDİLCİ N. T. , ÇAKAR A. N. , Kaş H. S. , Hincal A. A.
JOURNAL OF MICROENCAPSULATION, vol.22, no.2, pp.153-165, 2005 (Journal Indexed in SCI)
- XLI. **5-Fluorouracil in topical liposome gels for anticancer treatment - Formulation and evaluation**
Glavas-Dodov M., Fredro-Kumbaradzi E., Goracinova K., ÇALIŞ S., Simonoska M., Hincal A. A.
Acta Pharmaceutica, vol.53, no.4, pp.241-250, 2003 (Journal Indexed in SCI Expanded)
- XLII. **In vitro/in vivo evaluation of the efficiency of teicoplanin-loaded biodegradable microparticles formulated for implantation to infected bone defects**
Yenice I., Calis S., Atilla B., Kas H., Ozalp M., Ekizoglu M., Bilgili H., Hincal A.
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- XLIII. **Biodegradable implantable teicoplanin beads for the treatment of bone infections**
Yenice I., Calis S., Kas H., Ozalp M., Ekizoglu M., Hincal A.
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- XLIV. **5-fluorouracil encapsulated alginate beads for the treatment of breast cancer**
Arica B., Calis S., Kas H., Sargon M., Hincal A.
INTERNATIONAL JOURNAL OF PHARMACEUTICS, vol.242, pp.267-269, 2002 (Journal Indexed in SCI)
- XLV. **Influence of irradiation sterilization on poly(lactide-co-glycolide) microspheres containing anti-inflammatory drugs**
Calis S., Bozdag S., Kas H., Tuncay M., Hincal A.
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- XLVI. **In vitro evaluation and intra-articular administration of biodegradable microspheres containing naproxen sodium**
Bozdag S., Calis S., Kas H., Ercan M., Peksoy I., Hincal A.
Journal of Microencapsulation, vol.18, no.4, pp.443-456, 2001 (Journal Indexed in SCI Expanded)
- XLVII. **Approaches to education of pharmaceutical biotechnology in faculties of pharmacy**
ÇALIŞ S., Öner F., Kas S., Atilla Hincal A.
Current Pharmaceutical Biotechnology, vol.2, no.2, pp.143-155, 2001 (Journal Indexed in SCI Expanded)
- XLVIII. **Oral multiple w/o/w emulsion formulation of a peptide salmon calcitonin: in vitro in vivo evaluation**
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- XLIX. **In vitro and in vivo evaluation of diclofenac sodium loaded albumin microspheres**

- Tuncay M., Calis S., Kas H., Ercan M., Peksoy I., Hincal A.
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- L. **Diclofenac sodium incorporated PLGA (50 : 50) microspheres: formulation considerations and in vitro/in vivo evaluation**
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- LI. **Formulation and stability evaluation of enteric-coated omeprazole formulations**
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S.T.P. Pharma Sciences, vol.9, no.4, pp.321-327, 1999 (Journal Indexed in SCI Expanded)
- LII. **ADSORPTION OF SALMON-CALCITONIN TO PLGA MICROSPHERES**
CALIS S., JEYANTHI R., TSAI T., MEHTA R., DELUCA P.
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- LIII. **EFFECT OF SUPPOSITORY BASES ON THE RELEASE PROPERTIES OF A POTENT ANTIMICROBIAL AGENT (C31-G)**
CALIS S., SUMNU M., HINCAL A.
PHARMAZIE, vol.49, no.5, pp.336-339, 1994 (Journal Indexed in SCI)
- LIV. **BIODEGRADABLE MICROSPHERES AS DEPOT SYSTEM FOR PARENTERAL DELIVERY OF PEPTIDE DRUGS**
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- LV. **Evaluation of the irritation of a new potent antimicrobial surfactant, C31G: An irrigation study on albino rabbit eyes**
ÜNLÜ N. A. , ÇALIŞ S., Irkeç M., Aksoy F., Orhan M., Sumnu M., Hincal A.
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- LVI. **FORMULATION AND INVITRO - INVIVO EVALUATIONS ON SUSTAINED-RELEASE ACETYLSALICYLIC-ACID TABLETS**
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- LVII. **INVITRO ADSORPTION OF PROPRANOLOL HYDROCHLORIDE BY VARIOUS ANTACIDS**
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Articles Published in Other Journals

- I. **Bakteriyel Keratit Tedavisinde Yeni İlaç Taşıyıcı Sistemlerin Uygulanması**
POLAT H. K. , PEHLİVAN S., ÇALIŞ S.
Türkiye Klinikleri Journal of Ophthalmology, vol.27, no.4, pp.289-301, 2018 (Other Refereed National Journals)
- II. **Tumor Targeting Strategies**
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Journal of Drug Research and Development, 2017 (Refereed Journals of Other Institutions)
- III. **Dünya Farmakopeleri**
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- IV. **Siklodekstrinler ve Biyomedikal Alandaki Uygulamaları**
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- V. **Cyclodextrins and their applications in biomedical field Siklodekstrinler ve Biyomedikal Alandaki Uygulamaları**
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- VI. **Development of polymeric and cyclodextrin nanoparticles for camptothecin delivery.**
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- VII. **Etodolac loaded poly (lactide-co-glycolide) nanoparticles: Formulation and in vitro characterization**
Etodolak yüklü poli (Laktid-ko-glikolid) nanopartikülleri: Formülasyon ve in vitro karakter
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