

## Prof.Dr. YILMAZ ÇAPAN

### Kişisel Bilgiler

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### Eğitim Bilgileri

Doktora, Universite De Lille I, Pharmaceutical Technology, Fransa 1976 - 1978

Yüksek Lisans, Universite De Lille I, Industrial Pharmaceutical Technology, Fransa 1974 - 1976

Lisans, Hacettepe Üniversitesi, Eczacılık Fakültesi, Türkiye 1968 - 1972

### Yabancı Diller

Fransızca, C1 İleri

İngilizce, C1 İleri

### Araştırma Alanları

Sağlık Bilimleri, Eczacılık, Eczacılık Teknolojisi, Farmasötik Teknoloji

### SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Combination drug delivery with actively-targeted PLGA nanoparticles to overcome multidrug resistance in breast cancer**  
Tonbul H., Sahin A., Tavukcuoglu E., ESENDAĞLI G., ÇAPAN Y.  
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, cilt.54, 2019 (SCI İndekslerine Giren Dergi)
- II. **DEVELOPMENT AND VALIDATION OF STABILITY-INDICATING HPLC METHOD FOR DIFLUCORTOLONE VALERATE AND ISOCONAZOLE NITRATE COMBINATION**  
Gundogdu S. O. , Simsek F., Doganay A., Capan Y.  
ACTA POLONIAE PHARMACEUTICA, cilt.76, ss.49-58, 2019 (SCI İndekslerine Giren Dergi)
- III. **Synthesis of Small-Sized Mesoporous Silica Nanoparticles by Experimental Design and Characterization for Further Drug Delivery**  
TONBUL H., Ultav G., AKBAŞ S., Sahin A., AKTAŞ Y., ÇAPAN Y.  
LATIN AMERICAN JOURNAL OF PHARMACY, cilt.38, ss.2204-2210, 2019 (SCI İndekslerine Giren Dergi)
- IV. **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, ss.133-154, 2019 (SCI İndekslerine Giren Dergi)
- V. **Nano-Based Carriers for Brain Drug Delivery**  
ÖZTÜRK ATAR K., Ozkan M. Y. , EROĞLU H., ÇAPAN Y.  
CHARACTERIZATION AND BIOLOGY OF NANOMATERIALS FOR DRUG DELIVERY: NANOSCIENCE AND NANOTECHNOLOGY IN DRUG DELIVERY, ss.563-586, 2019 (SCI İndekslerine Giren Dergi)
- VI. **Characterization of bevacizumab by dynamic light scattering while maintaining its native structure**  
Akbas S., Sahin A., ÇALIŞ S., Oncel H., ÇAPAN Y.  
PHARMAZIE, cilt.73, ss.369-374, 2018 (SCI İndekslerine Giren Dergi)

- VII. **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, cilt.45, ss.213-219, 2018 (SCI İndekslerine Giren Dergi)
- VIII. **Preparation and Characterization of Biocompatible Chitosan Nanoparticles for Targeted Brain Delivery of Peptides**  
Yemisci M., Caban S., Fernandez-Megia E., ÇAPAN Y., Couvreur P., DALKARA T.  
NEUROTROPHIC FACTORS: METHODS AND PROTOCOLS, 2ND EDITION, cilt.1727, ss.443-454, 2018 (SCI İndekslerine Giren Dergi)
- IX. **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, cilt.72, ss.568-570, 2017 (SCI İndekslerine Giren Dergi)
- X. **DEVELOPMENT AND VALIDATION OF HPLC ANALYTICAL METHODS USED FOR DETERMINATION OF ASSAY, CONTENT UNIFORMITY AND DISSOLUTION OF IMMEDIATE RELEASE CANDESARTAN CILEXETIL 32 MG TABLETS**  
YÜCE M., ÇAPAN Y.  
ACTA POLONIAE PHARMACEUTICA, cilt.74, ss.357-367, 2017 (SCI İndekslerine Giren Dergi)
- XI. **Evaluation of brain-targeted chitosan nanoparticles through blood-brain barrier cerebral microvessel endothelial cells**  
Sahin A., Yoyen-Ermis D., Caban-Toktas S., Horzum U., AKTAŞ Y., Couvreur P., ESENDAĞLI G., ÇAPAN Y.  
JOURNAL OF MICROENCAPSULATION, cilt.34, ss.659-666, 2017 (SCI İndekslerine Giren Dergi)
- XII. **A small variation in average particle size of PLGA nanoparticles prepared by nanoprecipitation leads to considerable change in nanoparticles' characteristics and efficacy of intracellular delivery**  
ŞAHİN A., ESENDAĞLI G., YERLİKAYA F., Caban-Toktas S., Yoyen-Ermis D., HORZUM U., AKTAŞ Y., Khan M., Couvreur P., ÇAPAN Y.  
ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY, cilt.45, ss.1657-1664, 2017 (SCI İndekslerine Giren Dergi)
- XIII. **Preformulation of Immediate Release Candesartan Cilexetil Tablets Using Full Factorial Experimental Design**  
YÜCE M., GÜVEN O., KARAHAN S., SARAÇBAŞI O., ÇAPAN Y.  
LATIN AMERICAN JOURNAL OF PHARMACY, cilt.35, ss.921-930, 2016 (SCI İndekslerine Giren Dergi)
- XIV. **Systemically administered brain-targeted nanoparticles transport peptides across the blood-brain barrier and provide neuroprotection**  
Yemisci M., Caban S., GURSOY-OZDEMIR Y., Lule S., NOVOA-CARBALLAL R., RIGUERA R., FERNANDEZ-MEGIA E., Andrieux K., COUVREUR P., ÇAPAN Y., et al.  
JOURNAL OF CEREBRAL BLOOD FLOW AND METABOLISM, cilt.35, ss.469-475, 2015 (SCI İndekslerine Giren Dergi)
- XV. **Squalenoyl adenosine nanoparticles provide neuroprotection after stroke and spinal cord injury**  
Gaudin A., Yemisci M., EROĞLU H., Lepetre-Mouelhi S., Turkoglu O. F., Donmez-Demir B., Caban S., SARGON M. F., Garcia-Argote S., Pieters G., et al.  
NATURE NANOTECHNOLOGY, cilt.9, ss.1054-1062, 2014 (SCI İndekslerine Giren Dergi)
- XVI. **An aquaporin 4 antisense oligonucleotide loaded, brain targeted nanoparticulate system design**  
KOZLU S., CABAN S., YERLIKAYA F., FERNANDEZ-MEGIA E., NOVOA-CARBALLAL R., RIGUERA R., Yemisci M., GURSOY-OZDEMIR Y., DALKARA T., COUVREUR P., et al.  
PHARMAZIE, cilt.69, ss.340-345, 2014 (SCI İndekslerine Giren Dergi)
- XVII. **Comparative in vitro studies on PBN loaded nanoparticles prepared by biodegradable chitosan, PLGA polymers and their PEGylated block copolymers**  
Ozturk K., FERNANDEZ-MEGIA E., NOVOA-CARBALLAL R., RIGUERA R., Yemisci M., GURSOY-OZDEMIR Y., DALKARA T., COUVREUR P., ÇAPAN Y.  
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, cilt.24, ss.148-152, 2014 (SCI İndekslerine Giren Dergi)

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- XVIII. **Development and Evaluation of Paclitaxel Nanoparticles Using a Quality-by-Design Approach**  
Yerlikaya F., Ozgen A., VURAL İ., Guven O., Karaagaoglu E., Khan M. A. , ÇAPAN Y.  
JOURNAL OF PHARMACEUTICAL SCIENCES, cilt.102, ss.3748-3761, 2013 (SCI İndekslerine Giren Dergi)
- XIX. **Formulation and evaluation of clozapine orally disintegrating tablets prepared by direct compression**  
OLMEZ S. S. , VURAL İ., ŞAHİN S., ERTUĞRUL A., ÇAPAN Y.  
PHARMAZIE, cilt.68, ss.110-116, 2013 (SCI İndekslerine Giren Dergi)
- XX. **CHARACTERIZATION, CELL PROLIFERATION AND CYTOTOXICITY EVALUATION OF VASCULAR ENDOTHELIAL GROWTH FACTOR LOADED POLY (LACTIC-CO-GLYCOLIC ACID) MICROSPHERES**  
KERİMOĞLU O., ALARÇİN E., Turkoglu M., Dortunc B., Karagoz H., Ulkur E., VURAL İ., ÇAPAN Y.  
NOBEL MEDICUS, cilt.8, ss.77-82, 2012 (SCI İndekslerine Giren Dergi)
- XXI. **TRANSPORT OF A CASPASE INHIBITOR ACROSS THE BLOOD BRAIN BARRIER BY CHITOSAN NANOPARTICLES**  
YEMİSCİ M., GURSOY-OZDEMİR Y., CABAN S., BODUR E., ÇAPAN Y., DALKARA T.  
NANOMEDICINE: CANCER, DIABETES, AND CARDIOVASCULAR, CENTRAL NERVOUS SYSTEM, PULMONARY AND INFLAMMATORY DISEASES, cilt.508, ss.253-269, 2012 (SCI İndekslerine Giren Dergi)
- XXII. **EVALUATION OF DRUG-EXCIPIENT INTERACTION IN THE FORMULATION OF CELECOXIB TABLETS**  
Bozdag-Pehlivan S., Subasi B., VURAL İ., Unlu N., ÇAPAN Y.  
ACTA POLONIAE PHARMACEUTICA, cilt.68, ss.423-433, 2011 (SCI İndekslerine Giren Dergi)
- XXIII. **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, cilt.65, ss.867-870, 2010 (SCI İndekslerine Giren Dergi)
- XXIV. **LC-UV Determination of Melatonin from Chitosan Nanoparticles**  
Yerlikaya F., Aktas Y., ÇAPAN Y.  
CHROMATOGRAPHIA, cilt.71, ss.967-970, 2010 (SCI İndekslerine Giren Dergi)
- XXV. **A nanomedicine transports a peptide caspase-3 inhibitor across the blood-brain barrier and provides neuroprotection**  
KARATAS H., AKTAS Y., GURSOY-OZDEMİR Y., BODUR E., YEMİSCİ M., CABAN S., VURAL A., PINARBASLI O., ÇAPAN Y., FERNANDEZ-MEGIA E., et al.  
Journal of Neuroscience, cilt.29, ss.13761-13769, 2009 (SCI Expanded İndekslerine Giren Dergi)
- XXVI. **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, cilt.38, ss.183-184, 2009 (SCI İndekslerine Giren Dergi)
- XXVII. **Microbiological and clinical comparison of chlorhexidine buccoadhesive tablet and chlorhexidine mouthrinse**  
AKTAŞ A., GIRAY B., ÇAPAN Y., MENEMENLIOĞLU D., HAYRAN M., İKİNCİ G., VURAL İ.  
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, cilt.19, ss.353-357, 2009 (SCI İndekslerine Giren Dergi)
- XXVIII. **Preparation and Characterization of Salmon Calcitonin-biotin Conjugates**  
ÇETİN M., Youn Y. S. , ÇAPAN Y., Lee K. C.  
AAPS PHARMSCITECH, cilt.9, ss.1191-1197, 2008 (SCI İndekslerine Giren Dergi)
- XXIX. **Stability of antimicrobial decapeptide (KSL) and its analogues for delivery in the oral cavity**  
Na D. H. , Faraj J., Capan Y., Leung K. P. , DeLuca P. P.  
PHARMACEUTICAL RESEARCH, cilt.24, ss.1544-1550, 2007 (SCI İndekslerine Giren Dergi)
- XXX. **Development of a peptide-containing chewing gum as a sustained release antiplaque antimicrobial delivery system**  
Faraj J. A. , Dorati R., Schoubben A., Worthen D., Selmin F., Capan Y., Leung K., DeLuca P. P.  
AAPS PHARMSCITECH, cilt.8, 2007 (SCI İndekslerine Giren Dergi)

- XXXI. **Preparation and characterization of PLGA nanospheres for the targeted delivery of NR2B-specific antisense oligonucleotides to the NMDA receptors in the brain**  
KİLİC A. C. , Capan Y., Vural I., GURSOY R. N. , DALKARA T., CUİNE A., HİNCAL A. A.  
JOURNAL OF MICROENCAPSULATION, cilt.22, ss.633-641, 2005 (SCI İndekslerine Giren Dergi)
- XXXII. **Preparation and in vitro evaluation of chitosan nanoparticles containing a caspase inhibitor**  
AKTAŞ Y., ANDRİEUX K., ALONSO M. J. , CALVO P., GURSOY R. N. , COUVREUR P., Capan Y.  
INTERNATIONAL JOURNAL OF PHARMACEUTICS, cilt.298, ss.378-383, 2005 (SCI İndekslerine Giren Dergi)
- XXXIII. **Formulation and in vitro in vivo investigation of carbamazepine controlled-release matrix tablets**  
İkinci G., Capan Y., Senel S., Dalkara T., Hincal A.  
PHARMAZIE, cilt.54, ss.139-141, 1999 (SCI İndekslerine Giren Dergi)
- XXXIV. **Histological and bioadhesion studies on buccal bioadhesive tablets containing a penetration enhancer sodium glycodeoxycholate**  
Senel S., Capan Y., Sargon M. F. , Giray C. B. , Hincal A.  
INTERNATIONAL JOURNAL OF PHARMACEUTICS, cilt.170, ss.239-245, 1998 (SCI İndekslerine Giren Dergi)
- XXXV. **In vitro studies on enhancing effect of sodium glycocholate on transbuccal permeation of morphine hydrochloride**  
Senel S., Duchene D., Hincal A., Capan Y., Ponchel G.  
JOURNAL OF CONTROLLED RELEASE, cilt.51, ss.107-113, 1998 (SCI İndekslerine Giren Dergi)
- XXXVI. **Enhancement of transbuccal permeation of morphine sulfate by sodium glycodeoxycholate in vitro**  
Senel S., Capan Y., Sargon M. F. , İkinci G., Solpan D., Guven O., Bodde H., Hincal A.  
JOURNAL OF CONTROLLED RELEASE, cilt.45, ss.153-162, 1997 (SCI İndekslerine Giren Dergi)

## **Diğer Dergilerde Yayınlanan Makaleler**

- I. **Development of paclitaxel and flurbiprofen co-loaded PLGA nanoparticles: understanding critical formulation and process parameters using Plackett-Burman design**  
Sahin A., Caban-Toktas S., Tonbul H., Yerlikaya F., AKTAŞ Y., ÇAPAN Y.  
ISTANBUL JOURNAL OF PHARMACY, cilt.49, ss.161-166, 2019 (ESCI İndekslerine Giren Dergi)
- II. **Beyine İlaç Taşınması:Truva Atı Teknolojisi**  
DOĞAN S. S. , TOKTAŞ S., ÇAPAN Y.  
Hacettepe University Journal of the Faculty of Pharmacy, 2014 (Diğer Kurumların Hakemli Dergileri)
- III. **Beyine İlaç Hedeflendirme Stratejileri**  
DOĞAN S. S. , TOKTAŞ S., ÇAPAN Y.  
Hacettepe University Journal of the Faculty of Pharmacy, 2013 (Diğer Kurumların Hakemli Dergileri)
- IV. **Etodolac loaded poly (lactide-co-glycolide) nanoparticles: Formulation and in vitro characterization**  
**Etodolak yüklü poli (Laktid-ko-glikolid) nanopartikülleri: Formülasyon ve in vitro karakter**  
Çirpanli Y., Robineau C., ÇAPAN Y., ÇALIŞ S.  
Hacettepe University Journal of the Faculty of Pharmacy, cilt.29, ss.105-114, 2009 (Diğer Kurumların Hakemli Dergileri)
- V. **Desensitization to allopurinol in a patient with fixed drug eruption**  
Damadoglu E., Isik S. R. , KARAKAYA G., ÇAPAN Y., KALYONCU A. F.  
ASTIM ALLERJİ İMMUNOLOJİ, cilt.7, ss.194-197, 2009 (ESCI İndekslerine Giren Dergi)

## **Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar**

- I. **Preparation and Characterization of Basic Fibroblast Growth Factor (bFGF)-Loaded Microparticulate Drug Delivery Systems,**  
ÇETİN M., ÇAPAN Y., VURAL İ., GURSOY R. N. , DALKARA T., Cuine A., HINCAL A.  
2004 AAPS Annual Meeting and Exposition, Maryland, Amerika Birleşik Devletleri, 31 Ekim 2004

## **Desteklenen Projeler**

ÇAPAN Y., Ultav G., AKBAŞ S., Yükseköğretim Kurumları Destekli Proje, Meme kanseri tedavisinde kullanılmak üzere farklı boyutlara sahip pH Duyarlı mezogözenekli silika nanopartiküllerinin geliştirilmesi optimizasyonu ve etkinliklerinin in vitro testlerle değerlendirilmesi, 2016 - 2017

ÇAPAN Y., Yükseköğretim Kurumları Destekli Proje, 2016 AAPS Kongresine Katılım Desteği, 2016 - 2016

ÇAPAN Y., Yükseköğretim Kurumları Destekli Proje, Farmasötik Teknoloji Alanındaki Gelişmelerin Takip Edilmesi ve Uluslararası Nitelikte Bilgi Paylaşımının Sağlanması, 2015 - 2016

ÇAPAN Y., ŞAHİN A., Yükseköğretim Kurumları Destekli Proje, Beyin Kanseri Üzerinde Etkili Nanopartikül Formülasyonlarının Geliştirilmesi ve İn Vitro Etkinliklerinin Değerlendirilmesi, 2014 - 2015

## **Atıflar**

Toplam Atıf Sayısı (WOS):737

h-indeksi (WOS):14