

# Prof. NİLÜFER YÜKSEL

## Personal Information

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## International Researcher IDs

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Publons / Web Of Science ResearcherID: AAH-2604-2020

ScopusID: 7004235638

Yoksis Researcher ID: 7898

## Education Information

Doctorate, Ankara University, Sağlık Bilimleri Enstitüsü, Farmasötik Teknoloji (Dr), Turkey 1988 - 1995

Postgraduate, Ankara University, Sağlık Bilimleri Enstitüsü, Farmasötik Teknoloji (YI) (Tezli), Turkey 1986 - 1988

Undergraduate, Ankara University, Eczacılık Fakültesi, Eczacılık Pr., Turkey 1979 - 1983

## Foreign Languages

English, C1 Advanced

## Dissertations

Doctorate, Nikardipin hidroklorür'ün kontrollü salım yapan mikrokürelerinin hazırlanması, Ankara University, Sağlık Bilimleri Enstitüsü, Eczacılık Teknolojisi, 1995

Postgraduate, Tiksokap ve termokap yöntemlerinden yararlanarak oksprenolol'ün sert jelatin kapsüller içinde jel-matris şeklinin hazırlanması, Ankara University, Sağlık Bilimleri Enstitüsü, 1988

## Research Areas

Pharmacology and Therapeutics, Pharmaceutics Technology

## Academic Titles / Tasks

Professor, Ankara University, Eczacılık Fakültesi, Eczacılık Teknolojisi Bölümü, 2010 - Continues

Associate Professor, Ankara University, Eczacılık Fakültesi, Eczacılık Teknolojisi Bölümü, 2005 - 2010

Assistant Professor, Ankara University, Eczacılık Fakültesi, Eczacılık Teknolojisi Bölümü, 1999 - 2005

Research Assistant, Ankara University, Eczacılık Fakültesi, Eczacılık Teknolojisi Bölümü, 1986 - 1999

## Academic and Administrative Experience

Head of Department, Ankara University, Eczacılık Fakültesi, Eczacılık Teknolojisi Bölümü, 2023 - Continues

## Courses

Kontrollü Etkin Madde Salımında Kullanılan Polimerler, Postgraduate, 2022 - 2023  
Katı İlaç Şekilleri Teknolojisi - II, Doctorate, 2022 - 2023  
Farmasötik Teknoloji - IV, Undergraduate, 2022 - 2023  
Araştırma Projesi I, Undergraduate, 2022 - 2023  
Yeni İlaç Taşıyıcı Sistemler ve İlaçların Hedeflendirilmesi, Undergraduate, 2022 - 2023  
Farmasötik Teknoloji - IV (Uyg), Undergraduate, 2022 - 2023  
Farmasötik Teknoloji - III (Uyg), Undergraduate, 2022 - 2023  
Farmasötik Teknoloji - III, Undergraduate, 2022 - 2023  
Katı İlaç Şekilleri Teknolojisi - I, Postgraduate, 2022 - 2023  
Farmasötik Teknolojide İşlem Mühendisliği Ve İşlem (Process) Validasyonları, Undergraduate, 2022 - 2023  
İlaç Taşıyıcı Sistemlerde Kullanılan Polimerler, Postgraduate, 2022 - 2023

## Advising Theses

Yüksel N., Alerjik rinit tedavisine yönelik kortikosteroid içeren nazal sprey dozaj formlarının kalite tasarımı yaklaşımı ile formülasyonlarının geliştirilmesi ve kalite özelliklerinin değerlendirilmesi, Postgraduate, Ü.ERDOĞAN(Student), 2022  
Yüksel N., Narkotik antagonist bir etkin maddenin uzatılmış salım yapan enjekte edilebilir in situ implant formülasyonlarının tasarımı ve in vitro karakterizasyonu, Postgraduate, S.TEKTAŞ(Student), 2022  
YÜKSEL N., Transmukozal etkin madde salımı için s-adenozil-l-metiyonin'in (SAME) hızlı çözünen sublingual filmlerinin tasarımı ve değerlendirilmesi, Postgraduate, Ç.GİZEM(Student), 2020  
YÜKSEL N., S-adenozil-L-metiyonin'in oral yolla veriliste biyoyararlanımını artırmak için formülasyon yaklaşımları: İn vitro ve in vivo değerlendirilmeleri, Doctorate, A.DOĞAN(Student), 2019  
YÜKSEL N., Kandesartan sileksetil içeren proniozomların üretilmesinde işlem parametrelerinin değerlendirilmesi ve in vivo biyoyararlanımlarının incelenmesi, Postgraduate, E.AKSAKAL(Student), 2013  
YÜKSEL N., Anorektal uygulama için nifedipin içeren yarı katı preparatların geliştirilmesi ve in vitro değerlendirilmesi, Postgraduate, N.BAĞCI(Student), 2013  
YÜKSEL N., Oral yolla verilış için kandesartan sileksetil içeren proniozomların hazırlanması: Formülasyon parametreleri ve etkin madde salımının değerlendirilmesi, Postgraduate, M.ORAL(Student), 2010  
YÜKSEL N., Paklitaksel'in niozom formülasyonlarının hazırlanması, in vitro ve in vivo olarak değerlendirilmesi, Doctorate, Z.SEZGİN(Student), 2010  
YÜKSEL N., Oral kontrollü salım sistemi olarak hidrojelilerin karakterizasyonu, etkin madde yüklü matrislerinin hazırlanması ve in vitro salım çalışmaları, Postgraduate, L.BEBA(Student), 2007  
YÜKSEL N., Polimerik misellerin hazırlanması, karakterizasyonu ve oral yolla uygulamada davranışlarının in vitro ve ex vivo olarak incelenmesi, Postgraduate, Z.SEZGİN(Student), 2004

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Development and quality assessment of glutathione tripeptide loaded niosome containing carbopol emulgels as nanocosmeceutical formulations**  
İnal Ö., Amasya Çelikten G., Sezgin Bayındır Z., Yüksel N.  
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.241, 2023 (SCI-Expanded)
- II. **Lung Microbiota: Its Relationship to Respiratory System Diseases and Approaches for Lung-Targeted Probiotic Bacteria Delivery**  
YÜKSEL N., GELMEZ B., Yildiz-Pekoz A.

MOLECULAR PHARMACEUTICS, vol.20, no.7, pp.3320-3337, 2023 (SCI-Expanded)

- III. **Molecularly imprinted polymers: preparation, characterisation, and application in drug delivery systems**  
Yüksel N., Tektaş S.  
JOURNAL OF MICROENCAPSULATION, vol.39, no.2, pp.176-196, 2022 (SCI-Expanded)
- IV. **A study to enhance the oral bioavailability of s-adenosyl-L-methionine (SAME): SLN and SLN nanocomposite particles**  
Amasya G., Ergin A. D., Cakirci O. E., Özçelikay A. T., Sezgin Bayındır Z., Yüksel N.  
CHEMISTRY AND PHYSICS OF LIPIDS, vol.237, 2021 (SCI-Expanded)
- V. **A novel delivery system for enhancing bioavailability of S-adenosyl-L-methionine: Pectin nanoparticles-in-microparticles and their in vitro - in vivo evaluation'**  
Ergin A. D., SEZGİN BAYINDIR Z., ÖZÇELİKAY A. T., YÜKSEL N.  
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, vol.61, 2021 (SCI-Expanded)
- VI. **Development and In Vitro Evaluation of Nifedipine Gel Formulations for Anorectal Applications**  
Bagci N., SEZGİN BAYINDIR Z., İNAL Ö., ALTANLAR N., YÜKSEL N.  
CURRENT DRUG DELIVERY, vol.17, no.2, pp.126-139, 2020 (SCI-Expanded)
- VII. **Investigations on clonazepam-loaded polymeric micelle-like nanoparticles for safe drug administration during pregnancy**  
Sezgin Bayındır Z., Elçin A. E., Parmaksız M., Elçin Y. M., Yüksel N.  
JOURNAL OF MICROENCAPSULATION, vol.35, no.2, pp.149-164, 2018 (SCI-Expanded)
- VIII. **Meet our editorial board member**  
YÜKSEL N.  
Current Drug Delivery, vol.14, no.1, 2017 (SCI-Expanded)
- IX. **Evaluation of various block copolymers for micelle formation and brain drug delivery: In vitro characterization and cellular uptake studies**  
Sezgin Bayındır Z., Ergin A. D., Parmaksız M., Elçin A. E., Elçin Y. M., Yüksel N.  
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, vol.36, pp.120-129, 2016 (SCI-Expanded)
- X. **In situ niosome forming maltodextrin proniosomes of candesartan cilexetil: In vitro and in vivo evaluations**  
YÜKSEL N., SEZGİN BAYINDIR Z., Aksakal E., ÖZÇELİKAY A. T.  
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.82, pp.453-463, 2016 (SCI-Expanded)
- XI. **Recent Developments in Pharmaceutical Sciences 11th ISOPS-International Symposium on Pharmaceutical Sciences, June 9-12 2015**  
YÜKSEL N., ASLAN ERDEM S., SEZGİN BAYINDIR Z.  
CURRENT DRUG DELIVERY, vol.13, no.3, pp.300, 2016 (SCI-Expanded)
- XII. **Development and Characterization of Mixed Niosomes for Oral Delivery Using Candesartan Cilexetil as a Model Poorly Water-Soluble Drug**  
SEZGİN BAYINDIR Z., Antep M. N., YÜKSEL N.  
AAPS PHARMSCITECH, vol.16, no.1, pp.108-117, 2015 (SCI-Expanded)
- XIII. **Provesicles as Novel Drug Delivery Systems**  
SEZGİN BAYINDIR Z., YÜKSEL N.  
CURRENT PHARMACEUTICAL BIOTECHNOLOGY, vol.16, no.4, pp.344-364, 2015 (SCI-Expanded)
- XIV. **Stability Studies on Piroxicam Encapsulated Niosomes**  
ERTEKİN ÖZKAN Z. C., SEZGİN BAYINDIR Z., YÜKSEL N.  
CURRENT DRUG DELIVERY, vol.12, no.2, pp.192-199, 2015 (SCI-Expanded)
- XV. **Paclitaxel-loaded niosomes for intravenous administration: pharmacokinetics and tissue distribution in rats**  
SEZGİN BAYINDIR Z., BEŞİKCİ A., YÜKSEL N.  
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.45, no.6, pp.1403-1412, 2015 (SCI-Expanded)
- XVI. **Special Issue: New Trends in Pharmaceutical Sciences 10th International Symposium on Pharmaceutical Sciences (10th ISOPS) June 26 to 29, 2012 Ankara University Faculty of Pharmacy,**

**Ankara-Turkey**

YÜKSEL N., BEŞİKCİ A.

CURRENT DRUG DELIVERY, vol.10, no.1, pp.2, 2013 (SCI-Expanded)

- XVII. **Niosomes encapsulating paclitaxel for oral bioavailability enhancement: preparation, characterization, pharmacokinetics and biodistribution**  
SEZGİN BAYINDIR Z., BEŞİKCİ A., VURAL N., YÜKSEL N.  
JOURNAL OF MICROENCAPSULATION, vol.30, no.8, pp.796-804, 2013 (SCI-Expanded)
- XVIII. **Investigation of Formulation Variables and Excipient Interaction on the Production of Niosomes**  
SEZGİN BAYINDIR Z., YÜKSEL N.  
AAPS PHARMSCITECH, vol.13, no.3, pp.826-835, 2012 (SCI-Expanded)
- XIX. **Investigation of triacetin effect on indomethacin release from poly(methyl methacrylate) microspheres: Evaluation of interactions using FT-IR and NMR spectroscopies**  
YÜKSEL N., Baykara M., Shirinzade H., SÜZEN S.  
INTERNATIONAL JOURNAL OF PHARMACEUTICS, vol.404, no.1-2, pp.102-109, 2011 (SCI-Expanded)
- XX. **Characterization of Niosomes Prepared With Various Nonionic Surfactants for Paclitaxel Oral Delivery**  
SEZGİN BAYINDIR Z., YÜKSEL N.  
JOURNAL OF PHARMACEUTICAL SCIENCES, vol.99, no.4, pp.2049-2060, 2010 (SCI-Expanded)
- XXI. **DRUG RELEASE FROM PACLITAXEL LOADED NIOSOMES AND EVALUATION OF THEIR STABILITY AGAINST GASTROINTESTINAL ENZYMES**  
SEZGİN BAYINDIR Z., YÜKSEL N.  
EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.38, no.1, pp.90-92, 2009 (SCI-Expanded)
- XXII. **PRELIMINARY STUDIES ON PRONIOSOME FORMULATIONS**  
YÜKSEL N., Oral M.  
EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.38, no.1, pp.99-100, 2009 (SCI-Expanded)
- XXIII. **Utitled**  
Hincal A. A., Celebi N., YÜKSEL N.  
EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.38, no.1, pp.3, 2009 (SCI-Expanded)
- XXIV. **Preparation and optimization of superabsorbent hydrogel micromatrices based on poly(acrylic acid), partly sodium salt-g-poly(ethylene oxide) for modified release of indomethacin**  
YÜKSEL N., Beba L.  
DRUG DEVELOPMENT AND INDUSTRIAL PHARMACY, vol.35, no.6, pp.756-767, 2009 (SCI-Expanded)
- XXV. **Investigation of pluronic and PEG-PE micelles as carriers of meso-tetraphenyl porphine for oral administration**  
Sezgin Z., YÜKSEL N., Baykara T.  
INTERNATIONAL JOURNAL OF PHARMACEUTICS, vol.332, no.1-2, pp.161-167, 2007 (SCI-Expanded)
- XXVI. **Effects of direct tableting agents on drug release kinetics and swelling behavior of hydrophilic matrix tablets**  
Alğın E., KILIÇARSLAN M., KARATAŞ A., YÜKSEL N., Baykara T.  
Turkish Journal of Medical Sciences, vol.36, no.3, pp.177-184, 2006 (SCI-Expanded)
- XXVII. **Preparation and characterization of poly(D,L-lactic-co-glycolic acid) microspheres containing flurbiprofen sodium**  
Samati Y., Yuksel N., Tarimci N.  
DRUG DELIVERY, vol.13, no.2, pp.105-111, 2006 (SCI-Expanded)
- XXVIII. **Influence of aluminum tristearate and sucrose stearate as the dispersing agents on physical properties and release characteristics of Eudragit RS microspheres**  
Horoz B., KILIÇARSLAN M., YÜKSEL N., Baykara T.  
AAPS PHARMSCITECH, vol.7, no.1, 2006 (SCI-Expanded)
- XXIX. **Preparation and characterization of polymeric micelles for solubilization of poorly soluble anticancer drugs**  
Sezgin Z., YÜKSEL N., Baykara T.

- European Journal of Pharmaceutics and Biopharmaceutics, vol.64, no.3, pp.261-268, 2006 (SCI-Expanded)
- XXX. **Improved solubility and dissolution rate of piroxicam using gelucire 44/14 and labrasol**  
KARATAŞ A, YÜKSEL N., Baykara T.  
Farmaco, vol.60, no.9, pp.777-782, 2005 (SCI-Expanded)
- XXXI. **Validated LC determination of the piroxicam- $\beta$ -cyclodextrin inclusion complex in tablets and in human plasma**  
Savaşer A, KARATAŞ A, Özkan Y, YÜKSEL N, ÖZKAN S. A., Baykara T.  
Chromatographia, vol.59, no.9-10, pp.555-560, 2004 (SCI-Expanded)
- XXXII. **Validated LC determination of the piroxicam-beta-cyclodextrin inclusion complex in tablets and in human plasma**  
Savaser A, Karatas A, Ozkan Y, YÜKSEL N, Ozkan S., Baykara T.  
CHROMATOGRAPHIA, vol.59, no.9-10, pp.555-560, 2004 (SCI-Expanded)
- XXXIII. **Effect of different dispersing agents on the characteristics of Eudragit microspheres prepared by a solvent evaporation method**  
Horoz B, KILIÇARSLAN M., YÜKSEL N., Baykara T.  
JOURNAL OF MICROENCAPSULATION, vol.21, no.2, pp.191-202, 2004 (SCI-Expanded)
- XXXIV. **Enhanced bioavailability of piroxicam using Gelucire 44/14 and Labrasol: in vitro and in vivo evaluation**  
YÜKSEL N., Karatas A., Ozkan Y., Savaser A., Ozkan S. A., Baykara T.  
EUROPEAN JOURNAL OF PHARMACEUTICS AND BIOPHARMACEUTICS, vol.56, no.3, pp.453-459, 2003 (SCI-Expanded)
- XXXV. **Comparative evaluation of granules made with different binders by a fluidized bed method**  
YÜKSEL N., Karatas A., Baykara T.  
DRUG DEVELOPMENT AND INDUSTRIAL PHARMACY, vol.29, no.4, pp.387-395, 2003 (SCI-Expanded)
- XXXVI. **Comparison of in vitro dissolution profiles by ANOVA-based, model-dependent and -independent methods**  
YÜKSEL N., Kanik A., Baykara T.  
INTERNATIONAL JOURNAL OF PHARMACEUTICS, vol.209, no.1-2, pp.57-67, 2000 (SCI-Expanded)
- XXXVII. **Modelling of the solvent evaporation method for the preparation of controlled release acrylic microspheres using neural networks**  
YÜKSEL N., Turkoglu M., Baykara T.  
JOURNAL OF MICROENCAPSULATION, vol.17, no.5, pp.541-551, 2000 (SCI-Expanded)
- XXXVIII. **Effect of scoring design on the uniformity of extended release matrix tablet halves**  
Duman E., Yuksel N., Olin B., Sakr A.  
PHARMAZEUTISCHE INDUSTRIE, vol.62, no.7, pp.547-550, 2000 (SCI-Expanded)
- XXXIX. **Influence of swelling degree on release of nifedipine hydrochloride from acrylic microspheres prepared by solvent evaporation method**  
YÜKSEL N., DİNÇ E., Onur F., Baykara T.  
Pharmaceutical Development and Technology, vol.3, no.1, pp.115-121, 1998 (SCI-Expanded)
- XL. **Preparation of polymeric microspheres by the solvent evaporation method using sucrose stearate as a droplet stabilizer**  
YÜKSEL N., Baykara T.  
JOURNAL OF MICROENCAPSULATION, vol.14, no.6, pp.725-733, 1997 (SCI-Expanded)
- XLI. **Interaction between nifedipine hydrochloride and polymeric microspheres for a controlled release system**  
YÜKSEL N., Tincer T., Baykara T.  
INTERNATIONAL JOURNAL OF PHARMACEUTICS, vol.140, no.2, pp.145-154, 1996 (SCI-Expanded)
- XLII. **The changes in the mechanic properties of a direct tableting agent microcrystalline cellulose by precompression**  
Betten D. B., YÜKSEL N., Baykara T.  
Drug Development and Industrial Pharmacy, vol.20, no.14, pp.2323-2331, 1994 (SCI-Expanded)

- XLIII. THE PREPARATION OF PROLONGED ACTION FORMULATIONS IN THE FORM OF SEMI SOLID MATRIX INTO HARD GELATIN CAPSULES OF OXPRENOLOL .2. THIXOCAP METHOD**  
BAYKARA T., YÜKSEL N.  
DRUG DEVELOPMENT AND INDUSTRIAL PHARMACY, vol.18, no.2, pp.233-243, 1992 (SCI-Expanded)
- XLIV. THE PREPARATION OF PROLONGED ACTION FORMULATIONS IN THE FORM OF SEMISOLID MATRIX INTO HARD GELATIN CAPSULES OF OXPRENOLOL .1. THERMOCAP METHOD**  
BAYKARA T., YÜKSEL N.  
DRUG DEVELOPMENT AND INDUSTRIAL PHARMACY, vol.17, no.9, pp.1215-1227, 1991 (SCI-Expanded)

## Articles Published in Other Journals

- I. THREE-DIMENSIONAL PRINTING TECHNOLOGY IN TABLET DOSAGE FORM DESIGN AND DEVELOPMENT TABLET DOZAJ FORMLARININ TASARIMINDA VE GELİŞTİRİLMESİNDE ÜÇ-BOYUTLU BASKI TEKNOLOJİSİ**  
TEKTAŞ S., Güneş Ş., YÜKSEL N.  
Ankara Üniversitesi Eczacılık Fakültesi Dergisi, vol.48, no.1, pp.384-395, 2024 (Scopus)
- II. Characterization and optimization of colon targeted S-adenosyl-L-methionine loaded chitosan nanoparticles**  
Ergin A. D., SEZGİN BAYINDIR Z., YÜKSEL N.  
JOURNAL OF RESEARCH IN PHARMACY, vol.23, no.5, pp.914-926, 2019 (ESCI)
- III. In vitro phytoequivalency of artichoke extracts (Cynara scolymus L.) and their drug products Enginar ekstreleri ve ilaç formlarının in vitro fitoekivalansı**  
Özbilgin S., SEZGİN BAYINDIR Z., SALTAN İŞCAN H. G., YÜKSEL N.  
Turkish Journal of Pharmaceutical Sciences, vol.12, no.2, pp.147-156, 2015 (Scopus)
- IV. In Vitro Phytoequivalency of Artichoke Extracts Cynara scolymus L and Their Drug Products**  
ÖZBİLGİN S., SEZGİN BAYINDIR Z., SALTAN H. G., YÜKSEL N.  
Turkish Journal of Pharmaceutical Sciences, vol.12, no.2, pp.147-156, 2015 (Scopus)
- V. In Vitro Phytoequivalency of Artichoke extracts Cynara scolymus L and their drug products**  
ÖZBİLGİN S., SEZGİN BAYINDIR Z., SALTAN H. G., YÜKSEL N.  
Turkish Journal of Pharmaceutical Sciences, vol.12, no.2, pp.147-156, 2015 (Scopus)
- VI. Investigation on the flow properties and compressibilities of different direct tableting agents by using pyridoxine hydrochloride as a model drug**  
KILIÇARSLAN M., Çamca R., Imamoğlu S., Antep M. N., Ocak B., YÜKSEL N.  
Ankara Üniversitesi Eczacılık Fakültesi Dergisi, vol.38, no.4, pp.331-344, 2009 (Scopus)
- VII. Investigation on the flow properties and compressibilities of different direct tableting agents by using pyridoxine hydrochloride as a model drug**  
KILIÇARSLAN M., ÇAMCA R., İMAMOĞLU S., ANTEP M., OCAK B., YÜKSEL N.  
ANKARA ÜNİVERSİTESİ ECZACILIK FAKÜLTESİ DERGİSİ, vol.38, no.4, pp.331-344, 2009 (Scopus)
- VIII. Lubricant efficiency of magnesium stearate in direct compressible powder mixtures comprising cellactose®80 and pyridoxine hydrochloride**  
YÜKSEL N., Türkmen B., ALGAN A. H., Başaran B., Erkin J., Baykara T.  
Fabad Journal of Pharmaceutical Sciences, vol.32, no.4, pp.173-183, 2007 (Scopus)
- IX. Pegylation: preparation and application of PEG conjugates Pegilasyon: PEG konjugatlarının hazırlanması ve uygulamaları**  
SEZGİN BAYINDIR Z., YÜKSEL N.  
Ankara Üniversitesi Eczacılık Fakültesi Dergisi, vol.36, no.4, pp.249-266, 2007 (Scopus)
- X. Effects of polymer type, polymer:direct tableting agent ratio and tableting method on verapamil hydrochloride extended release from hydroxypropylmethylcellulose matrix tablets**  
Algin E., KILIÇARSLAN M., KARATAŞ A., YÜKSEL N., Baykara T.  
Ankara Üniversitesi Eczacılık Fakültesi Dergisi, vol.33, no.3, pp.125-137, 2004 (Scopus)

- XI. **Effects of the Polymer Type Polymer Direct Tableting Agent Ratio and Tableting Mechanism on Verapamil Hydrochloride Extended Release from Hydroxypropylmethyl Cellulose Matrix Tablets**  
EVREN A., KILIÇARSLAN M., KARATAŞ A., YÜKSEL N., BAYKARA T.  
Ankara Üniversitesi Eczacılık Fakültesi Dergisi, vol.33, no.3, pp.125-137, 2004 (Peer-Reviewed Journal)
- XII. **Preparation and characterization of polymeric micelles as drug carrier system İlaç taşıyıcı sistemler olarak polimerik misellerin hazırlanması ve karakterizasyonu**  
Sezgin Z., YÜKSEL N., Baykara T.  
Ankara Üniversitesi Eczacılık Fakültesi Dergisi, vol.32, no.2, pp.125-142, 2003 (Scopus)
- XIII. **Dendrimerler ve İlaç Taşıyıcı Sistemler Olarak Kullanımları**  
YÜKSEL N., KILIÇARSLAN M.  
TÜFTAD Haberler Dergisi, vol.10, no.2, pp.12-15, 2003 (Non Peer-Reviewed Journal)
- XIV. **Evaluation and preparation of controlled release lipid micropheres of sulphamethizole by a congealable disperse phase encapsulation method**  
YÜKSEL N., Aydmli A., Özalp Y., Özdemir N.  
Acta Poloniae Pharmaceutica - Drug Research, vol.57, no.3, pp.187-192, 2000 (Scopus)
- XV. **Evaluation and Preparation of Controlled Release Lipid Microspheres of Sulphamethizole by a Congealable Disperse Phase Encapsulation Method**  
YÜKSEL N., Ahmet A., ÖZALP Y., ÖZDEMİR A. N.  
Acta Poloniae Pharmaceutica, vol.57, no.3, pp.187-192, 2000 (Scopus)
- XVI. **An investigation on the effects of different blister packaging materials on the stability of vitamin C tablets**  
Canefe K., Simsek I., Ozyurt C., YÜKSEL N.  
Gazi Üniversitesi Eczacılık Fakültesi Dergisi, vol.6, no.1, pp.7-14, 1989 (Scopus)
- XVII. **A study on vitamin C contents of vitamin C preparations in solution form and fruit juices under different stability conditions**  
Canefe K., Simsek I., YÜKSEL N.  
Acta Pharmaceutica Turcica, vol.31, no.1, pp.7-14, 1989 (Scopus)

## Books & Book Chapters

- I. **Solid lipid nanoparticles-based drug delivery for dementia**  
Yüksel N., Sezgin Bayındır Z., Amasya Çelikten G.  
in: Nanomedicine-Based Approaches for the Treatment of Dementia, Umesh Gupta & Prashant Kesharwani, Editor, Academic Press , London, pp.115-148, 2022

## Refereed Congress / Symposium Publications in Proceedings

- I. **Design and in vitro characterization of in situ forming prolonged release implant formulations of a narcotic antagonist drug**  
Tektaş S., Yüksel N., Serim T. M., Özdemir A. N.  
14th Central European Symposium on Pharmaceutical Technology, Ohrid, Macedonia, 28 - 30 September 2023, vol.69, no.1, pp.119-120
- II. **Hamilelikte Emniyetli İlaç Uygulamasına Yönelik Misel Benzeri Nanopartiküllerin İncelenmesi**  
SEZGİN BAYINDIR Z., PARMAKSIZ M., ELÇİN A. E., ELÇİN Y. M., YÜKSEL N.  
Ulusal Biyomedikal Bilim ve Teknoloji Sempozyumu (BIOMED 2021), 18 - 19 December 2021
- III. **Development of HPLC Method for the Determination of Opioid Antagonist Used in the Treatment of Opioid Disorder**  
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3rd International Gazi Pharma Symposium Series (GPSS2021), Turkey, 08 September 2021

- IV. **Preparation and Optimization of S-Adenosyl-L-Methionine (SAME) Loaded Pectin Nanoparticle-In-Microparticle System : In Vitro and In Vivo Evaluation**  
 ERGİN A. D., SEZGİN BAYINDIR Z., YÜKSEL N.  
 8th BBBB Conference on Pharmaceutical Sciences, 14 - 16 October 2019
- V. **Evaluation Of The Effects Of Modified Endomorphin-1 Loaded Micelles On Acute And Neuropathic Pain Along With The Pharmacokinetic Parameters**  
 SEZGİN BAYINDIR Z., YÜKSEL N., KÖSE ÖZKAN C.  
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- VI. **Development And Validation Of A Selective HPLC Method For The Determination Of S-Adenosyl L-Methionine Isomers From Rat Plasma**  
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 12th International Symposium on Pharmaceutical Sciences (ISOPS), 26 - 29 June 2018
- VII. **Preparation and Characterization of SAME Loaded Inulin Nanoparticles: Comparison of Different Crosslinking Agents**  
 ERGİN A. D., SEZGİN BAYINDIR Z., YÜKSEL N.  
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- VIII. **Preparation and optimization of SAME loaded Inulin based nanoparticles for colon targeting delivery**  
 ERGİN A. D., SEZGİN BAYINDIR Z., YÜKSEL N.  
 4th International Bio-based Polymers and Composites (BiPoCo) 2018, 2 - 06 September 2018
- IX. **EXPERIMENTAL EVALUATION OF ANTI-NOCICEPTIVE ACTIVITY OF END-LOADED POLYMERIC MICELLES WITH TAILFLICK MODEL**  
 SEZGİN BAYINDIR Z., YÜKSEL N., KÖSE ÖZKAN C., SAVAŞER A., TOH I.  
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- X. **Solid lipid nanoparticles for oral administration: High pressure homogenization method**  
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- XI. **Analytical method development and validation of End-LAA for in vitro and in vivo studies**  
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- XII. **Formulation development and evaluation of S-Adenosyl-L-methionine loaded solid lipid nanoparticles using different lipid carriers**  
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 22nd International Biomedical Science and Technology Symposium, Ankara, Turkey, 12 - 14 May 2017
- XIII. **Preparation and optimization of S-adenosyl-L-methionine loaded pectin based nanoparticles for colon targeted delivery**  
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- XIV. **Development of Semisolid Preparations Containing Nifedipine for Anorectal Application and In Vitro Evaluation**  
 YÜKSEL N., BAĞCI N., SEZGİN BAYINDIR Z., İNAL Ö.  
 2016 AAPS Annual Meeting and Exposition, Denver, United States Of America, 13 - 17 November 2016
- XV. **DEVELOPMENT AND IN VITRO EVALUATION OF POLYMERIC MICELLES FOR ORAL DELIVERY OF LIPID MODIFIED ENDOMORPHIN 1**  
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 11th Central European Symposium on Pharmaceutical Technology, Belgrade, Serbia, 22 - 24 September 2016, vol.66
- XVI. **In situ niosome forming proniosomal tablets in vitro and in vivo evaluation**  
 YÜKSEL N., SEZGİN BAYINDIR Z., AKSAKAL E., ÖZÇELİKAY A. T.  
 GPSS 2015, 12 - 15 November 2015
- XVII. **COMPARATIVE EVALUATION OF GRANULAC STARCH GRANULES PRODUCED BY WET GRANULATION METHOD USING PVP BINDER IN A LOW SHEAR MIXER GRANULATOR**



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11th International Symposium on Pharmaceutical Sciences (ISOPS-11), Ankara, Turkey, 9 - 12 June 2015
- XVIII. **EFFECTS OF DIFFERENT PREPARATION METHODS ON POLYMERIC MICELLE FORMATION**  
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11th International Symposium on Pharmaceutical Sciences (ISOPS-11), Ankara, Turkey, 9 - 12 June 2015, pp.179-180
- XIX. **In Vitro Evaluation of Candesartan Cilexetil Loaded Pluronic P85 Span 60 Niosomes**  
SEZGİN BAYINDIR Z., YÜKSEL N.  
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- XX. **Estimation of critical micelle concentration for different derivatives of polyethylene glycol polylactic acid PEG PLA and polystyrene polyacrylic acid PS PAA copolymers**  
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- XXI. **Preparation of Proniosomes Containing Candesartan Cilexetil and Assessment of Their In Vivo Bioavailabilities**  
YÜKSEL N., Aksakal E., SEZGİN BAYINDIR Z., ÖZÇELİKAY A. T.  
CRS Annual Meeting and Exposition, Chicago, United States Of America, 13 - 16 July 2014
- XXII. **In Vitro Pharmaceutical Equivalency Of Artichoke Extracts And Their Drug Products**  
SALTAN H. G., SEZGİN BAYINDIR Z., ÖZBİLGİN S., YÜKSEL N.  
9th Central European Symposium On Pharmaceutical Technology, 20 - 22 December 2012
- XXIII. **Niosomes as drug delivery system for cancer therapy**  
YÜKSEL N., SEZGİN BAYINDIR Z., BEŞİKCİ A., VURAL N.  
International Multidisciplinary Symposium on Drug Research & Development, 28 - 30 November 2013
- XXIV. **Püskürterek kurutma yöntemi ile enginar yaprağı ekstresinin hazırlanması ve piyasada bulunan enginar yaprak ekstresi içeren preparatların in vitro fito eşdeğerlik kontrolü**  
ÖZBİLGİN S., SEZGİN BAYINDIR Z., SALTAN H. G., YÜKSEL N.  
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- XXV. **Effect of different direct tableting agents on the flow properties and compresibility of pyridoxine hydrochloride**  
KILIÇARSLAN M., ÇAMCA R., İMAMOĞLU S., ANTEP M., OCAK B., YÜKSEL N.  
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- XXVI. **Stability studies on piroxicam loaded niosomes**  
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International Symposium on Pharmaceutical Sciences ISOPS 10th, 26 - 29 June 2012
- XXVII. **Oral paclitaxel delivery with niosomes**  
SEZGİN BAYINDIR Z., BEŞİKCİ A., YÜKSEL N.  
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- XXVIII. **Improving solubility of candesartan cilexetil with niosomes for oral delivery**  
ANTEP M. N., SEZGİN BAYINDIR Z., YÜKSEL N.  
18th International Mymposium on Microencapsulatiton, 12 - 14 September 2011
- XXIX. **Preparation and optimization of Paclitaxel loaded Span 40 niosomes**  
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- XXX. **Niosomal Paclitaxel Development characterization and in vivo comparision with marketed formulation**  
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3rdPharmsciFair, 13 June 2011
- XXXI. **Characterization of niosomes prepared with various non ionic surfactants for paclitaxel delivery**  
SEZGİN BAYINDIR Z., YÜKSEL N.  
30th annual meeting and exposition of the controlled release society Copenhagen-Danimarka, 19 - 23 July 2009
- XXXII. **A study on lubricant efficiency of magnesium stearate in direct compressible powder mixtures**

- YÜKSEL N., TÜRKMEN B., KURTOĞLU A. H., BAŞARAN B., ERKİN J., BAYKARA T.  
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9th International Symposium on Pharmaceutical Sciences (9 th ISOPS), 23 - 26 June 2009, pp.268
- XXXIV. **Preparation of meso Tetraphenyl Porphine Loaded Polymeric Micelles and Investigation of Their ex vivo Behaviors as Oral Drug Delivery Systems**  
SEZGİN BAYINDIR Z., YÜKSEL N.  
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- XXXVIII. **Influence of the dispersing agent and inner phase polymer concentration on the size and release of eudragit microspheres prepared by solvent evaporation**  
Horoz B., KILIÇARSLAN M., YÜKSEL N., Baykara T.  
7th European Symposium on Controlled Drug Delivery, NOORDWIJK AAN ZEE, Netherlands, 3 - 05 April 2002, vol.87, pp.240-243
- XXXIX. **Effects of Different Direct Tableting Agents on In Vitro Release of Verapamil HCl from Cellulose Matrix Tablets**  
ALĞIN E., KILIÇARSLAN M., KARATAŞ A., YÜKSEL N., BAYKARA T.  
Proceedings and Abstracts 7th International Symposium on Pharmaceutical Sciences (ISOPS), 24 June 2003 - 27 September 2002, pp.110
- XL. **Comparison of Eudragit Microspheres Prepared with Sucrose Stearate and Aluminium Tristearate as the Different Dispersing Agents**  
HOROZ B. B., KILIÇARSLAN M., YÜKSEL N., BAYKARA T.  
3th International Postgraduate Research Symposium on Pharmaceutics (IPORSIP 2002), İstanbul, Turkey, 16 - 18 September 2002, vol.44, pp.36

## Supported Projects

Özdemir A. N., Yüksel N., Serim T. M., Tektaş S., Project Supported by Higher Education Institutions, Narkotik antagonist bir etken maddenin uzatılmış salım yapan enjektelerde edilebilir in situ implant formülasyonlarının tasarımı ve in vitro karakterizasyonu, 2020 - 2022

Sezgin Bayındır Z., Yüksel N., TUBITAK Project, S-Adenozil-L-Metiyonin'in Transmukozal Salımı için Hızlı Çözünen Sublingual Filmlerinin Tasarımı ve Değerlendirilmesi-119S223, 2019 - 2020

Sezgin Bayındır Z., Yüksel N., TUBITAK Project, S Adenozil L metiyonin in oral yolla veriliste biyoyararlanımını artırmak için formülasyon yaklaşımları İn vitro ve in vivo değerlendirilmeleri, 2015 - 2019

Elçin Y. M., Sezgin Bayındır Z., Yüksel N., TUBITAK Project, Hamilelikte Emniyetli İlaç Kullanımının Sağlanmasına Yönelik Olarak İlaç Taşıyıcı Sistemlerin İncelenmesi, 2013 - 2016

Yüksel N., TUBITAK Project, Evaluation of process parameters for the preparation of proniosomes containing candesartan cilexetil and assessment of their in vivo bioavailabilities, 2011 - 2012

Yüksel N., TUBITAK Project, Vajinal uygulamaya yönelik olarak ekzopolisakkarit eps üretim düzeyleri farklı lactobacillus gasseri suşları içeren tabletlerin hazırlanması teknolojik ve biyolojik açıdan değerlendirilmesi, 2007 - 2008

Yüksel N., Project Supported by Higher Education Institutions, Akışkan yatak yöntemi ile yazırlanan granülelerin mekanik dirençlerinin kinetik değerlendirilmesi, 1990 - 1991

Yüksel N., Project Supported by Higher Education Institutions, Tiksokap ve termokap yöntemlerinden yararlanarak oksprenolol ün sert jelatin kapsüller içinde jel matris şeklinin hazırlanması, 1987 - 1988

## **Activities in Scientific Journals**

CURRENT DRUG DELIVERY, Scientific Committee Membership, 2010 - Continues

DRUG DELIVERY LETTERS, Scientific Committee Membership, 2010 - Continues

## **Tasks In Event Organizations**

Hıncal A. A., Yüksel N., International Conference on Pharmaceutical Sciences, Scientific Congress, Antalya, Turkey, Ekim 2009

## **Metrics**

Publication: 122

Citation (WoS): 1516

Citation (Scopus): 1848

H-Index (WoS): 17

H-Index (Scopus): 20

## **Congress and Symposium Activities**

International Multidisciplinary Symposium on Drug Research & Development, Invited Speaker, Antalya, Turkey, 2013

XX. Bitkisel İlaç Hammaddeleri Toplantısı – BİHAT, Invited Speaker, Antalya, Turkey, 2012

## **Scholarships**

Industrial Pharmacy Program, University, 1998 - 1999

## **Awards**

Sezgin Bayındır Z., Yüksel N., Baykara T., Highest Cited Article Research Article 2006 Awards , European Journal Of Pharmaceutics And Biopharmaceutics, January 2006