

## Prof. ZEYNEP ŞAFAK TEKSİN

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AHB-9688-2022

ScopusID: 6504236147

Yoksis Researcher ID: 114297

### Education Information

Doctorate, Gazi University, Sağlık Bilimleri Enstitüsü, Farmasötik Teknoloji (Dr), Turkey 1994 - 1999

Postgraduate, Gazi University, Sağlık Bilimleri Enstitüsü, Farmasötik Teknoloji (YI) (Tezli), Turkey 1991 - 1994

Undergraduate, Gazi University, Eczacılık Fakültesi, Eczacılık Pr., Turkey 1987 - 1991

### Dissertations

Doctorate, Pentoksifilin Tablet Formülasyonlarının Biyoyararlanımı ve Farmakokinetik Model Değerlendirilmesi, Gazi University, Sağlık Bilimleri Enstitüsü, Farmasötik Teknoloji (Dr), 1999

Postgraduate, Tenoksikamın Plazma Proteinlerine Bağlanma Kinetiği, Gazi University, Sağlık Bilimleri Enstitüsü, Farmasötik Teknoloji (YI) (Tezli), 1994

### Research Areas

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

### Academic Titles / Tasks

Professor, Gazi University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2020 - Continues

Associate Professor, Gazi University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2011 - 2020

Assistant Professor, Gazi University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2006 - 2011

Lecturer PhD, Gazi University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 1999 - 2003

Research Assistant, Gazi University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 1992 - 1997

### Academic and Administrative Experience

Fakülte Yönetim Kurulu Üyesi, Gazi University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2022 - Continues  
Eğitim ve Müfredat Kurulu üyesi, Gazi University, Sağlık Bilimleri Enstitüsü, -, 2022 - Continues  
Rectorate Commissioner, Gazi University, Rektörlük, Gazi Üniversitesi, 2021 - Continues  
Rectorate Commissioner, Gazi University, Rektörlük, Gazi Üniversitesi, 2020 - Continues  
Head of Department, Gazi University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2014 - Continues  
BAP Scientific Commissioner, Gazi University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2019 - 2020  
Gazi University, Eczacılık Fakültesi, Eczacılık Teknolojisi Bölümü, 2006 - 2008

## Advising Theses

Teksin Z. Ş., Eksemestan yüklü kendiliğinden emülsifiye ilaç taşıyıcı sistemlerin geliştirilmesi ve in vitro – in situ değerlendirmeler, Doctorate, B.TİMUR(Student), 2024  
Teksin Z. Ş., İlaç Tabanlı Buluşlarda Birinci ve İkinci Tıbbi Kullanım, Postgraduate, E.Baydar(Student), 2022  
Teksin Z. Ş., Katı kendiliğinden emülsifiye ilaç taşıyıcı sistemlerin geliştirilmesi ve in vitro – in vivo değerlendirmeler, Doctorate, D.YILMAZ(Student), 2022  
Teksin Z. Ş., Biopharmaceutics Classification System (Bcs) Based Biowaiver Approach: Evaluation Of Regulations And Guidances And Alternative Recommendations For Global Harmonization, Postgraduate, H.TUNÇ(Student), 2019  
Teksin Z. Ş., The Develepment Lipid-Base Self Emulsifying Drug Delivery Nano Systems Contaimng Tenofovır And In Vitro-In Vivo Evaluation, Doctorate, D.BEKTAŞ(Student), 2019  
TEKSİN Z. Ş., Design And Evaluation Of A Fixed Dose Combination For The Treatment Of Hypertension, Doctorate, D.Sarisaltık(Student), 2018  
TEKSİN Z. Ş., Physiologically-Based Pharmacokinetic Modeling And Ivivc Evaluation Of Ezetimibe, Postgraduate, Ç.BAYKA(Student), 2015  
TEKSİN Z. Ş., Açlık ve tokluk durumlarını taklit eden çözünme ortamlarında yapılan çözünme hızına yönelik çalışmalar, Postgraduate, D.SARISALTIK(Student), 2010

## Jury Memberships

Doctorate, Doctorate, Gazi Üniversitesi, September, 2022

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

- I. **Development and pharmacokinetic evaluation of Neusilin® US2-based S-SNEDDS tablets for bosentan: Fasted and fed states bioavailability, IVIS® real-time biodistribution, and ex-vivo imaging**  
Yılmaz Usta D., Olgac S., Timur B., Teksin Z. Ş.  
International Journal of Pharmaceutics, vol.643, 2023 (SCI-Expanded)
- II. **Evaluation of The Effects of Carob (*Ceratonia siliqua* L.) Fruits on the Puberty of Rats**  
Kılınç Uğurlu A., Bideci A., Anadol E., Süntar İ., Take Kaplanoğlu G., Gülbahar Ö., Şafak Teksin Z. Ş., Dayanır D., Deveci Bulut T. S., Uluoğlu C., et al.  
JOURNAL OF CLINICAL RESEARCH IN PEDIATRIC ENDOCRINOLOGY, vol.15, no.2, pp.145-153, 2023 (SCI-Expanded)
- III. **QbD Application for a Fixed-Dose Combination with Biowaiver Potential: Evaluations of In Vitro and In Vivo Applications**  
Sarisaltık-Yasin D., Uslu A., UYAR E., ERDİNÇ M., TEKSİN Z. Ş.  
JOURNAL OF PHARMACEUTICAL INNOVATION, vol.18, no.1, pp.164-181, 2023 (SCI-Expanded)
- IV. **Investigation of the effect of colloidal structures formed during lipolysis of lipid-based formulation on exemestane permeability using the in vitro lipolysis-permeation model**

Timur B., Yılmaz Usta D., Teksin Z. S.

JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, vol.77, 2022 (SCI-Expanded)

- V. **Formulation development, optimization by Box-Behnken design, characterization, in vitro, ex-vivo, and in vivo evaluation of bosentan-loaded self-nanoemulsifying drug delivery system: A novel alternative dosage form for pulmonary arterial hypertension treatment**  
Usta D., Timur B., TEKSİN Z. Ş.  
European Journal of Pharmaceutical Sciences, vol.174, 2022 (SCI-Expanded)
- VI. **Role of Surfactants on Dissolution Behavior of Tamoxifen**  
İNCEÇAYIR T., Olgac S., Usta D. Y., TEKSİN Z. Ş.  
DISSOLUTION TECHNOLOGIES, vol.28, no.2, 2021 (SCI-Expanded)
- VII. **Improved oral bioavailability of anticancer drug tamoxifen through complexation with water soluble cyclodextrins: in vitro and in vivo evaluation**  
Erdogar N., NEMUTLU E., Iskit A. B., Kara S. C., TEKSİN Z. Ş., BİLENSOY E.  
JOURNAL OF INCLUSION PHENOMENA AND MACROCYCLIC CHEMISTRY, vol.96, pp.81-91, 2020 (SCI-Expanded)
- VIII. **Evaluation of improved oral bioavailability of ritonavir nanosuspension**  
Karakucuk A., TEKSİN Z. Ş., EROĞLU H., Celebi N.  
EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.131, pp.153-158, 2019 (SCI-Expanded)
- IX. **Preparation of ritonavir nanosuspensions by microfluidization using polymeric stabilizers: I. A Design of Experiment approach**  
Karakucuk A., Celebi N., Teksin Z. Ş.  
EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.95, pp.111-121, 2016 (SCI-Expanded)
- X. **BIOWAIVER APPROACH FOR BCS: DISCUSSION OF BIOWAIVER MONOGRAPHS FOR IMMEDIATE-RELEASE SOLID ORAL DOSAGE FORMS**  
TEKSİN Z. Ş.  
EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.50, 2013 (SCI-Expanded)
- XI. **IMPLEMENTATION OF BCS BASED BIOWAIVER IN TURKEY**  
TORT S., Koksal H. T., TEKSİN Z. Ş.  
EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.50, 2013 (SCI-Expanded)
- XII. **Comparison of Drug Permeabilities and BCS Classification: Three Lipid-Component PAMPA System Method versus Caco-2 Monolayers**  
Teksin Z. Ş., Seo P. R., Polli J. E.  
AAPS JOURNAL, vol.12, no.2, pp.238-241, 2010 (SCI-Expanded)
- XIII. **Evaluation of the transport, in vitro metabolism and pharmacokinetics of Salvinorin A, a potent hallucinogen**  
TEKSİN Z. Ş., Lee I. J., Nemieboka N. N., Othman A. A., Upreti V. V., Hassan H. E., Syed S. S., Prisinzano T. E., Eddington N. D.  
EUROPEAN JOURNAL OF PHARMACEUTICS AND BIOPHARMACEUTICS, vol.72, no.2, pp.471-477, 2009 (SCI-Expanded)
- XIV. **Ion pair-mediated transport of metoprolol across a three lipid-component PAMPA system**  
Teksin Z. Ş., Hom K., Balakrishnan A., Polli J. E.  
JOURNAL OF CONTROLLED RELEASE, vol.116, no.1, pp.50-57, 2006 (SCI-Expanded)
- XV. **Lipid composition effect on permeability across PAMPA**  
Seo P. R., Teksin Z. Ş., Kao J. P. Y., Polli J. E.  
EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.29, pp.259-268, 2006 (SCI-Expanded)
- XVI. **Comparison of the hematological effects of a sustained release chitosan formulation of pentoxifylline with a commercial formulation**  
Yamac K., Kaptan K., Beyan C., Teksin Z. Ş., Agabeyoglu I., Gokgoz L.  
ARZNEIMITTEL-FORSCHUNG-DRUG RESEARCH, vol.50, no.9, pp.827-831, 2000 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Bitkisel İlaçların Farmakokinetik-Biyoyararlanım Değerlendirmeleri ve Ruhsat Aşamaları: Geleneksel Derleme**  
TİMUR B., TEKSİN Z. Ş.  
Literatür Eczacılık Bilimleri Dergisi, vol.11, no.1, pp.61-76, 2022 (Peer-Reviewed Journal)
- II. **Development and validation of an HPLC method using an experimental design for analysis of amlodipine besylate and enalapril maleate in a fixed dose combination**  
Sarisaltık Yaşın D., Arslantürk Bingül A., Karaküçük A. E., Teksin Z. Ş.  
TURKISH JOURNAL OF PHARMACEUTICAL SCIENCES, vol.18, no.3, pp.306-318, 2021 (ESCI)
- III. **Biopharmaceutics, Pharmacokinetics and Patent Evaluations of Drugs Used in the Treatment of COVID-19: Current Status in the Development of Generic Drugs in Turkey**  
YILMAZ USTA D., TEKSİN Z. Ş.  
GAZI MEDICAL JOURNAL, vol.31, pp.498-509, 2020 (ESCI)
- IV. **Evaluation of biorelevant media to investigate the dissolution properties on flurbiprofen and to assess cytotoxicity effects on Caco-2 cell line**  
Yasin D. S., Yilmaz S., TEKSİN Z. Ş.  
ISTANBUL JOURNAL OF PHARMACY, vol.48, no.3, pp.82-88, 2018 (ESCI)
- V. **Biopharmaceutics Classification System: Evaluation on International Guidelines and Countries**  
SARISALTIK YAŞIN D., TEKSİN Z. Ş.  
Journal of Literature Pharmacy Sciences, vol.7, no.2, pp.160-174, 2018 (Peer-Reviewed Journal)
- VI. **Evaluation of in vitro Dissolution Characteristics of Flurbiprofen, a BCS Class IIa Drug**  
YILMAZ USTA D., demirtaş ö., ökçelik c., uslu a., TEKSİN Z. Ş.  
FABAD J. Pharm. Sci, vol.43, no.2, pp.27-34, 2018 (Peer-Reviewed Journal)
- VII. **Açlık ve Tokluk Durumlarını Taklit Eden Biyouyumlu Çözünme Ortamlarının Değerlendirilmesi**  
SARISALTIK YAŞIN D., TEKSİN Z. Ş.  
FABAD J.Pharm.Sci, vol.48, no.3, pp.217-232, 2018 (Peer-Reviewed Journal)
- VIII. **İn Vitro Çözünme Hızı Çalışmalarında Yeni Yaklaşımlar**  
YILMAZ USTA D., TEKSİN Z. Ş.  
FABAD JOURNAL OF PHARMACEUTICAL SCIENCES, vol.40, no.1, pp.33-40, 2017 (Scopus)
- IX. **Biyoeşdeğerlik Çalışmalarından Vazgeçilmesinde Biyofarmasötik İlaç Sınıflandırma Sistemlerinin Değerlendirilmesi Biyofarmasötik Sınıflandırma Sistemi BCS ve Biyofarmasötik İlaç Dağılım Sınıflandırma Sistemi BDDCS**  
SARISALTIK YAŞIN D., TEKSİN Z. Ş.  
Türkiye Klinikleri Eczacılık Bilimleri Dergisi, vol.1, no.1, pp.16-30, 2011 (Peer-Reviewed Journal)
- X. **Bioavailability of Pentoxifylline Chitosan Oral Matrix Tablet in Healthy Subjects**  
AĞABEYOĞLU T. İ., YAMAC K., TEKSİN Z. Ş.  
J. Bioequivalence & Bioavailability, vol.1, no.4, pp.115-120, 2009 (Peer-Reviewed Journal)
- XI. **Bioavailability File: Levofloxacin**  
SARISALTIK YAŞIN D., TEKSİN Z. Ş.  
FABAD J.Pharm.Sci, vol.32, no.4, pp.197-208, 2007 (Scopus)
- XII. **Biyoeşdeğerlik çalışmalarından vazgeçme kriterlerinde yeni yaklaşımlar**  
TEKSİN Z. Ş.  
TÜFTAD, vol.9, no.4, pp.9-11, 2002 (Non Peer-Reviewed Journal)
- XIII. **Kronofarmakokinetiğin önemi ve kronofarmasötik ilaç şekli tasarımı**  
TEKSİN Z. Ş., ABACIOĞLU N.  
TÜFTAD, vol.9, no.3, pp.3-4, 2002 (Non Peer-Reviewed Journal)
- XIV. **Solubility of Resin Based Restorative Materials in Different pH Values**  
KARACAER Ö., YAMAN S., TEKSİN Z. Ş.  
J.Gazi Univ.Fac.Dent, vol.19, no.1, pp.1-4, 2002 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Farmasötik Teknoloji Laboratuvar Kitabı**  
ACARTÜRK F., İLBASMIŞ TAMER S., İNCEÇAYIR T., MUTLU AĞARDAN N. B., TAKKA S., TEKSİN Z. Ş., TIRNAKSIZ F. F., TORT S., TUĞCU DEMİRÖZ F. N., EDİSAN Ş., et al.  
Güngörler Matbaacılık San. Tic. LTD. ŞTİ., Ankara, 2023
- II. **Farmasötik Teknoloji Laboratuvar Kitabı**  
ACARTÜRK F., İLBASMIŞ TAMER S., İNCEÇAYIR T., MUTLU AĞARDAN N. B., TAKKA S., TEKSİN Z. Ş., TIRNAKSIZ F. F., TORT S., TUĞCU DEMİRÖZ F. N., AYDOĞDUOĞLU Ş., et al.  
Gazi Üniversitesi Yayınları, Ankara, 2023
- III. **Dozaj Şekilleri**  
ÇAPAN Y., SAVAŞER A., KANTARCI A. G., KARATAŞ A., ARICA YEGİN B., HASÇİÇEK C., KARASULU E., BİLENSOY E., BALOĞLU E., EROĞLU H., et al.  
in: Türk Farmakopesi 2017-II, Dr. ALİ ALKAN, ERAY KAPLAN, OĞUZHAN KOYUNCU, SELİN ERGÜN AYAN, Editor, SAĞLIK BAKANLIĞI, Ankara, pp.969-1014, 2018
- IV. **Farmasötik Teknoloji**  
Acartürk F., Gürsoy R. N., Çapan Y., Savaşer A., Kantarcı A. G., Özgüney I., Eldem T., Aktaş Y., Yurdasiper Erdem A., Yüksel N., et al.  
in: TÜRK FARMAKOPESİ, -, Editor, Artı 6 Yayınevi, Ankara, pp.1, 2017
- V. **Türk Farmakopesi II Monograflar Avrupa Farmakopesi Adaptasyonu 2016**  
ÖZKAN Y., SALTAN H. G., SARAÇ TARHAN S., ÖZKAN S. A., AYDIN A., SÜZEN H. S., SÜZEN S., KÜÇÜKGÜZEL İ., YÜKSEL N., ARICA YEGİN B., et al.  
TC SAĞLIK BAKANLIĞI TTİCK, 2016
- VI. **Biyoyararlanım Biyoeşdeğerlik, Referans İlaç, Eşdeğer İlaç, Biyomuafiyet Kavramları ve Eşdeğer İlaçlarda Yasal Uygulamalar**  
TEKSİN Z. Ş.  
in: Eczacının Başvuru Rehberi, Cengiz Yakıncı, Gökür Aktay, Editor, Türk Eczacılar Birliği, Fersa Ofset, Ankara, Ankara, pp.405-410, 2015
- VII. **Farmasötik Teknoloji Laboratuvar Kitabı 4 Baskı**  
ACARTÜRK F., AĞABEYOĞLU T. İ., ÇELEBİ F. N., DEĞİM İ. T., DEĞİM Z., İLBASMIŞ TAMER S., DOĞANAY T., TAKKA S., TEKSİN Z. Ş., TUĞCU DEMİRÖZ F., et al.  
ŞAFAK MATBACILIK SANAYİİ, Ankara, 2007
- VIII. **Farmasötik Teknoloji Laboratuvar Kitabı**  
ACARTÜRK F., AĞABEYOĞLU T. İ., ÇELEBİ N., DEĞİM İ. T., DEĞİM Z., DOĞANAY T., TAKKA S., TEKSİN Z. Ş., TIRNAKSIZ F. F., ŞEYDA A., et al.  
-, 2007

## Refereed Congress / Symposium Publications in Proceedings

- I. **Evaluation of EXE-loaded SNEDDS using simultaneous lipolysis/ex-vivo permeability and lipolysis/in situ single-pass intestinal perfusion method**  
Timur B., Olğaç S., Yılmaz Usta D., Demirel M. A., Teksin Z. Ş.  
21st International Pharmaceutical Technology Symposium, Ankara, Turkey, 9 - 11 September 2024
- II. **Development of Recombinant Human Interleukin-2 Loaded Double Nanoemulsions Using Microfluidizer® for Oral Drug Delivery**  
OLĞAÇ S., TEKSİN Z. Ş.  
21st International Pharmaceutical Technology Symposium, Ankara, Turkey, 9 - 11 September 2024
- III. **Exploring Protease Enzyme Selection for Protein-Structured Active Ingredient Loaded Drug Formulation with Molecular Dynamics Simulations**  
OLĞAÇ S., OLĞAÇ A., TEKSİN Z. Ş.

21st International Pharmaceutical Technology Symposium, Ankara, Turkey, 9 - 11 September 2024

- IV. **Histology and pharmacodynamic echocardiography studies of bosentan-loaded SNEDDS and S-SNEDDS: New oral drug delivery systems for pulmonary arterial hypertension**  
Yılmaz Usta D., Olğaç S., Demirel M. A., Kula S., Kavgacı A., Sezginer P., Elmas Ç., Teksin Z. Ş.  
EUFEPS Annual Meeting 2023, Lisbon, Portugal, 31 May - 02 June 2023, pp.165
- V. **Screening and Assessment of Excipients for Nanoemulsion Formulations of Interleukin-2 with Computational Studies**  
Olğaç S., Olğaç A., Teksin Z. Ş.  
EUFEPS Annual Meeting 2023, Lisbon, Portugal, 31 May - 02 June 2023
- VI. **Screening and assessment of excipients for nanoemulsion formulations of interleukin-2 with computational studies**  
Olğaç S., Olğaç A., Teksin Z. Ş.  
EUFEPS Annual Meeting 2023, Lisbon, Portugal, 31 May - 02 June 2023
- VII. **Histology and Pharmacodynamic Echocardiography Studies of Bosentan-Loaded SNEDDS and S-SNEDDS: New Oral Drug Delivery Systems for Pulmonary Arterial Hypertension**  
YILMAZ USTA D., OLĞAÇ S., DEMİREL M. A., KULA S., KAVGACI A., SEZGİNER P., ELMAS Ç., TEKSİN Z. Ş.  
EUFEPS Annual Meeting 2023, Lisbon, Portugal, 31 May - 02 June 2023
- VIII. **Evaluation of pharmacokinetic and pharmacodynamic real-time biodistribution of bosentan formulations**  
Yılmaz Usta D., Teksin Z. Ş.  
FIGON DMD & EUFEPS Annual Meeting 2022, Leiden, Netherlands, 1 - 03 June 2022, pp.47
- IX. **Assessment of in vitro digestion for exemestane-loaded lipid-based formulations**  
Timur B., Yılmaz Usta D., Teksin Z. Ş.  
FIGON DMD & EUFEPS Annual Meeting 2022, Leiden, Netherlands, 1 - 03 June 2022, pp.45-46
- X. **Bioequivalence and interchangeability issues in Modified Release Dosage Forms**  
TEKSİN Z. Ş.  
20th International Pharmaceutical Technology Symposium, 21 February 2022
- XI. **Development and Validated of UV Spectrophotometric and HPLC Method of Bosentan Monohydrate for In Vitro and Ex-Vivo Samples**  
YILMAZ USTA D., OLĞAÇ S., TEKSİN Z. Ş.  
3rd International Gazi Pharma Symposium Series (GPSS-2021), Turkey, 8 - 10 September 2021
- XII. **Solid-State Characterization Studies of Bosentan-Loaded Solid Self-Nanoemulsifying Drug Delivery System (S-SNEDDS) Comprising of Neusilin® US2**  
YILMAZ USTA D., OLĞAÇ S., TEKSİN Z. Ş.  
3rd International Gazi Pharma Symposium Series (GPSS-2021), Turkey, 8 - 10 September 2021
- XIII. **Structure-Guided Selection of Suitable Nanoemulsion Formulation Components for a Recombinant Form of Human Interleukin-2 (Aldesleukin)**  
OLĞAÇ S., OLĞAÇ A., İNCEÇAYIR T., TEKSİN Z. Ş.  
3rd International Gazi Pharma Symposium Series (GPSS-2021), Ankara, Turkey, 8 - 10 September 2021
- XIV. **SOLID-STATE CHARACTERIZATION STUDIES OF BOSENTAN-LOADED SOLID SELF-NANOEMULSIFYING DRUG DELIVERY SYSTEM (S-SNEDDS) COMPRISING OF NEUSILIN® US2**  
Yılmaz Usta D., Olğaç S., Teksin Z. Ş.  
3rd International Gazi Pharma Symposium Series (GPSS-2021), Ankara, Turkey, 8 - 10 September 2021, pp.36
- XV. **DEVELOPMENT OF IN VITRO LIPOLYSIS-PERMEATION METHOD TO ESTIMATE ORAL ABSORPTION OF EXEMESTANE-LOADED LIPID-BASED FORMULATION**  
Timur B., Yılmaz Usta D., Teksin Z. Ş.  
3rd International Gazi Pharma Symposium Series (GPSS-2021), Ankara, Turkey, 8 - 10 September 2021, pp.30
- XVI. **IN VITRO CHARACTERIZATION OF EXEMESTANE-LOADED SELF-NANOEMULSIFYING DRUG DELIVERY SYSTEM CONTAINING MEDIUM CHAIN MONO AND DIGLYCERIDES**  
Timur B., Yılmaz Usta D., Teksin Z. Ş.  
3rd International Gazi Pharma Symposium Series (GPSS-2021), Ankara, Turkey, 8 - 10 September 2021, pp.37

- XVII. MODELING AND COMPARISON OF IN VITRO DISSOLUTION PROFILES OF BOSENTAN MONOHYDRATE: COMMERCIAL TABLET VS S-SNEDDS TABLET**  
Yılmaz Usta D., Teksin Z. Ş.  
3rd International Gazi Pharma Symposium Series (GPSS-2021), Ankara, Turkey, 8 - 10 September 2021, pp.35
- XVIII. Structure-Guided Selection of Suitable Nanoemulsion Formulation Components for a Recombinant Form of Human Interleukin-2 (Aldesleukin)**  
Olğaç S., Olğaç A., İnceçayır T., Teksin Z. Ş.  
3rd International Gazi Pharma Symposium Series (GPSS-2021), Ankara, Turkey, 8 - 10 September 2021
- XIX. DEVELOPMENT AND VALIDATED OF UV SPECTROPHOTOMETRIC AND HPLC METHOD OF BOSENTAN MONOHYDRATE FOR IN VITRO AND EX-VIVO SAMPLES**  
Yılmaz Usta D., Olgac S., Teksin Z. Ş.  
3rd International Gazi Pharma Symposium Series (GPSS-2021), Ankara, Turkey, 8 - 10 September 2021, pp.33
- XX. Assessment The Correlation Between In Vitro Dissolution and In Vitro Intestinal Lipolysis Data for Bosentan Loaded Lipid-Based Formulations**  
TİMUR B., YILMAZ USTA D., TEKSİN Z. Ş.  
Controlled Release Society (CRS) 2021 Virtual Annual Meeting, 25 - 29 July 2021
- XXI. Evaluation of Ex-vivo Permeability and In Vitro Dissolution of BOS-loaded S-SNEDDS Tablets**  
YILMAZ USTA D., TEKSİN Z. Ş.  
Controlled Release Society (CRS) 2021 Virtual Annual Meeting, 25 - 29 July 2021
- XXII. Evaluation of Bosentan-Loaded Self-nanoemulsifying Drug Delivery Systems Containing Peceol**  
YILMAZ USTA D., TEKSİN Z. Ş.  
Controlled Release Society (CRS) 2021 Virtual Annual Meeting, 25 - 29 July 2021
- XXIII. Validated HPLC Method for the Determination of Tenofovir and its Application for In-Vitro and Ex-Vivo Investigations of Tenofovir Loaded Double Nanoemulsion**  
Olğaç S., Yılmaz Usta D., Erman N. A., İnceçayır T., Teksin Z. Ş.  
13th International Symposium on Pharmaceutical Sciences (ISOPS), Ankara, Turkey, 22 - 25 June 2021
- XXIV. Modeling and comparison of in vitro dissolution profiles of naproxen sodium tablets in biorelevant media**  
OLĞAÇ S., YILMAZ USTA D., DEMİRDAŞ B., ERMAN N. A., TEKSİN Z. Ş.  
13th International Symposium on Pharmaceutical Sciences (ISOPS), Ankara, Turkey, 22 - 25 June 2021
- XXV. Comparison of biorelevant dissolution of medium chain mono and diglycerides based bosentan-loaded self-nanoemulsifying formulations**  
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- XXVI. Evaluation and Comparison of B-Cyclodextrin Derivatives on Aqueous Solubility of Desloratadine**  
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- XXVII. DEVELOPMENT AND OPTIMIZATION OF SELF-NANOEMULSIFYING DRUG DELIVERY SYSTEM OF BOSENTAN USING BOX BEHNKEN DESIGN**  
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- XXVIII. Evaluations of Fasted and Fed Bioavailabilities of Self Double Emulsifying Drug Delivery System of Tenofovir**  
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- XXIX. Biopharmaceutics Classification System (BCS) Based Biowaiver Approach in Turkey**  
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- XXX. Development and Optimization of an Antihypertensive Fixed-Dose Combination Using Plackett-Burman Design**  
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- XXXI. **Evaluation of in vitro-in vivo relationship: Bosentan-loaded lipid based formulation versus commercial product**  
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- XXXII. **Evaluation of In-vitro Dissolution Ex-vivo Permeability of Tenofovir Double Nanoemulsion Produced with the High Energy Method for Oral Drug Administration**  
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- XXXIII. **In vitro, ex-vivo, and in vivo evaluation of Bosentan-loaded self nanoemulsifying drug delivery system**  
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- XXXV. **Enhancement of in vitro dissolution, in vitro lipolysis, ex-vivo permeability, and fasted and fed state bioavailability of Bosentan-solid SNEDDS: New oral drug delivery system for pulmonary arterial hypertension**  
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- XXXVI. **Development and In Vitro Characterization of Bosentan-Loaded Self-Nanoemulsifying Drug Delivery System**  
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- XXXVII. **Investigation of Nanostructured Lipid Carriers (NLC)-Based Gel for the Transdermal Delivery of Ibuprofen: Preparation, Characterization, Textural Properties, and Ex Vivo Skin Permeation Studies**  
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- XL. **Evaluation of Fasted and Fed State Intestinal In Vitro Lipolysis Test for Bosentan Loaded Lipid-Based Drug Delivery Systems**  
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- XLI. **Formulation Development Of Orodispersible Film and Evaluation of Disintegration Methods**  
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- XLII. **Development and Characterization of Bosentan Loaded Solid Self Nanoemulsifying Drug Delivery System (S-SNEDDS)**  
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- XLIII. Formulation development of a fixed dose combination of amlodipine besylate and enalapril maleate using quality by design approach**  
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- XLIV. Development and Characterization of Bosentan Loaded Solid Self Nanoemulsifying Drug Delivery System (S-SNEDDS), Çeşme-İzmir, Türkiye**  
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- XLV. Role of Surfactants and pH on Dissolution Behavior of Tamoxifen, a Weakly Basic BCS Class II Drug**  
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- XLVIII. Development and validation of an HPLC method for amlodipine besylate and enalapril maleate using an experimental design and its application to solubility and dissolution tests**  
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- XLIX. MECHANICAL PROPERTIES AND EX-VIVO SKIN PERMEATION EVALUATIONS OF IBUPROFEN EMULSION GEL FOR TOPICAL DELIVERY**  
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- L. Enhancement of Oral Bioavailability of Poorly Soluble Drug Tamoxifen Through Complexation with Different Cyclodextrins**  
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- LI. Preparation And Analysis Of In Vitro- In Vivo Correlation Of Ritonavir Nanosuspensions**  
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- LII. The Gastrointestinal Lipolysis Model For Self-nanoemulsifying Drug Delivery System Of Tenofovir**  
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- LIII. THE DEVELOPMENT OF SNEDDS CONTAINING BOSENTAN USING LONG CHAIN MONO AND DIGLYCERIDE MIXTURES**  
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- LVIII. DEVELOPMENT OF VALIDATED UV SPECTROPHOTOMETRIC ASSAY OF TENOFOVIR**  
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- LXV. Üniversitelerin Ar Ge ve İnovasyondaki Rolü**  
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- LXVI. Effect of stabilizers on the particle size reduction and physical stability of ritonavir nanosuspensions**  
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- LXVII. Kişiyeye Özgü Tedavinin Farmakokinetik ve Farmakodinamik Yönü**  
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- LXVIII. Implementation of BCS based biowaiver in Turkey BCS Class II drugs**  
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- LXIX. BA BE studies for anticancer drugs**  
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- LXX. **Biorelevant Dissolution Studies of Ezetimibe a BCS Class II Drug**  
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- LXXI. **Ekonomik Büyüme ve Sosyal Gelişme için Ar-Ge ve İnovasyon**  
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- LXXII. **Biowaiver approach for BCS Discussion of biowaiver monographs for immediate release solid oral dosage forms**  
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- LXXIII. **Implementation of BCS Based Biowaiver in Turkey**  
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- LXXVII. **Improved Oral Absorption of Salmon Calcitonin with AT1002 Peptide**  
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## Patent

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## Memberships / Tasks in Scientific Organizations

European Federation for Pharmaceutical Sciences, Board Member, 2022 - Continues, Germany

Türk Farmasötik Teknoloji Araştırmacıları Derneği (TÜFTAD), Executive Board Member, 2021 - Continues, Turkey

Farmasötik Bilimler Ankara Derneği (FABAD), Member, 2016 - Continues, Turkey

Türk Farmasötik Teknoloji Araştırmacıları Derneği (TÜFTAD) , Member, 2011 - Continues, Turkey

Türk Farmasötik Teknoloji Araştırmacıları Derneği (TÜFTAD) , Board Member, 2015 - 2017, Turkey

Türk Farmasötik Teknoloji Araştırmacıları Derneği (TÜFTAD) , Board Member, 2011 - 2013, Turkey

## Scientific Refereeing

Project Supported by Higher Education Institutions, BAP Guided, Gazi University, Turkey, March 2020

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## Metrics

Publication: 180

Citation (WoS): 251

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H-Index (WoS): 8

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## Awards

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## Non Academic Experience

European Federation for Pharmaceutical Sciences e.V.

Ministry, Türkiye İlaç ve Tıbbi Cihaz Kurumu, Biyoyararlanım/Biyoeşdeğerlik Değerlendirme-2 Komisyonu

Ministry, Türkiye İlaç ve Tıbbi Cihaz Kurumu, Biyoyararlanım ve Biyoeşdeğerlik Komisyonu Bilimsel Danışma Kurulu  
SAĞLIK BAKANLIĞI

BİLİM SANAYİ VE TEKNOLOJİ BAKANLIĞI

BİLİM SANAYİ VE TEKNOLOJİ BAKANLIĞI

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