

# Prof. SİBEL İLBASMIŞ TAMER

## Personal Information

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## International Researcher IDs

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Publons / Web Of Science ResearcherID: AHB-3423-2022

ScopusID: 36089007700

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## Education Information

Doctorate, Gazi University, Sağlık Bilimleri Enstitüsü, Farmasötik Teknoloji (Dr), Turkey 2003 - 2011

Postgraduate, Gazi University, Sağlık Bilimleri Enstitüsü, Farmasötik Teknoloji (YI) (Tezli), Turkey 2000 - 2003

Undergraduate, Gazi University, Eczacılık Fakültesi, Eczacılık Pr., Turkey 1996 - 2000

## Dissertations

Doctorate, Nanotüp içeren ilaç taşıyıcı sistemler üzerine çalışmalar, Gazi University, Sağlık Bilimleri Enstitüsü, Farmasötik Teknoloji (Dr), 2011

Postgraduate, İyontoforez yönteminin uygulanması üzerine çalışmalar, Gazi University, Sağlık Bilimleri Enstitüsü, Farmasötik Teknoloji (YI) (Tezli), 2003

## Research Areas

Health Sciences

## Academic Titles / Tasks

Professor, Gazi University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2023 - Continues

## Courses

FTE 1010 ECZACILIK TEKNOLOJİSİNDE TEMEL İŞLEMLER (YÜKSEK LİSANS DERSİ), Postgraduate, 2017 - 2018

ECZ 3071 FARMASÖTİK TEKNOLOJİ 5.YY TEORİK (LİSANS DERSİ), Undergraduate, 2017 - 2018

6110999 TEZ HAZIRLIK DERSİ, Doctorate, 2017 - 2018

ECZ 3972 FARMASÖTİK TEKNOLOJİ 6.YY TEORİK ŞUBE 2 (LİSANS DERSİ), Undergraduate, 2017 - 2018

ECZ 3972 FARMASÖTİK TEKNOLOJİ 6.YY TEORİK ŞUBE 1 (LİSANS DERSİ), Undergraduate, 2017 - 2018

FTE 1130 KİNETİK PRENSİPLER VE STABİLİTE (YÜKSEK LİSANS DERSİ), Postgraduate, 2017 - 2018

ECZ 4092 MEZUNİYET PROJESİ 1 (LİSANS DERSİ), Undergraduate, 2017 - 2018

ECZ 5091 MEZUNİYET PROJESİ 2 (LİSANS DERSİ), Undergraduate, 2017 - 2018

ECZ 4071 FARMASÖTİK TEKNOLOJİ 7.YY TEORİK (LİSANS DERSİ), Undergraduate, 2017 - 2018

FTE 2050 YARI KATI İLAÇ ŞEKİLLERİ TEKNOLOJİSİ 1 (YÜKSEK LİSANS DERSİ), Postgraduate, 2017 - 2018

4110999 DOKTORA UZMANLIK ALAN DERSİ, Doctorate, 2017 - 2018

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

- I. **Recent advances in phage therapy for pharmaceutical applications**  
Saral-Acarca E. S., Evran E., Tayyarcan E. K., İlbasmis-Tamer S., TORT S., BOYACI İ. H., Acarturk F.  
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, vol.90, 2023 (SCI-Expanded)
- II. **Cytotoxic, apoptotic and necrotic effects of starch coated copper nanoparticles on Capan 1 pancreatic cancer cells**  
İLBASMIŞ TAMER S., Turk M., Evran Ş., BOYACI İ. H., Ciftci H., TAMER U.  
Journal of Drug Delivery Science and Technology, vol.79, 2023 (SCI-Expanded)
- III. **Cyclodextrin-based nanogel of flurbiprofen for dermal application: In vitro studies and in vivo skin irritation evaluation**  
Oktay A. N., Çelebi N., İlbasmış Tamer S., Take Kaplanoğlu G.  
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, vol.79, no.79, pp.1-9, 2023 (SCI-Expanded)
- IV. **Fabrication and characterization of starch-copper nanoparticles/rutin nanofiber hybrid scaffold**  
İLBASMIŞ TAMER S., Saral-Acarca E. S., TORT S., YÜCEL Ç., TAMER U., ACARTÜRK F.  
Journal of Drug Delivery Science and Technology, vol.72, 2022 (SCI-Expanded)
- V. **Effect of different molecular weight and terminal group PLGA on docetaxel nanoparticles: characterization and cytotoxic activity of castration-resistant prostate cancer cells**  
Simitcioglu B., Karagoz I. D., İlbasmis-Tamer S., Tamer U.  
Pharmaceutical Development and Technology, vol.27, no.7, pp.794-804, 2022 (SCI-Expanded)
- VI. **Enhanced Dermal Delivery of Flurbiprofen Nanosuspension Based Gel: Development and Ex Vivo Permeation, Pharmacokinetic Evaluations**  
Oktay A. N., İLBASMIŞ TAMER S., Uludag O., Celebi N.  
PHARMACEUTICAL RESEARCH, vol.38, no.6, pp.991-1009, 2021 (SCI-Expanded)
- VII. **In vitro digestion and absorption efficiency of homogenised milk lipids**  
Agiral S., Budak Ş., İlbasmış Tamer S., Ozer B., Yazihan N.  
INTERNATIONAL JOURNAL OF DAIRY TECHNOLOGY, vol.74, no.1, pp.52-62, 2021 (SCI-Expanded)
- VIII. **Preparation and in vitro/in vivo evaluation of flurbiprofen nanosuspension-based gel for dermal application**  
Oktay A. N., İlbasmış Tamer S., Han S., Uludag O., Celebi N.  
EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.155, 2020 (SCI-Expanded)
- IX. **Screening of stabilizing agents to optimize flurbiprofen nanosuspensions using experimental design**  
Oktay A. N., İLBASMIŞ TAMER S., Karakucuk A., Celebi N.  
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, vol.57, 2020 (SCI-Expanded)
- X. **Antitumor activity of gemcitabine hydrochloride loaded lipid polymer hybrid nanoparticles (LPHNs): In vitro and in vivo**  
YALÇIN T. E., İLBASMIŞ TAMER S., TAKKA S.  
INTERNATIONAL JOURNAL OF PHARMACEUTICS, vol.580, 2020 (SCI-Expanded)
- XI. **The effect of critical process parameters of the high pressure homogenization technique on the critical quality attributes of flurbiprofen nanosuspensions**  
Oktay A. N., İLBASMIŞ TAMER S., Celebi N.  
PHARMACEUTICAL DEVELOPMENT AND TECHNOLOGY, vol.24, no.10, pp.1278-1286, 2019 (SCI-Expanded)
- XII. **Development and characterization of gemcitabine hydrochloride loaded lipid polymer hybrid nanoparticles (LPHNs) using central composite design**  
YALÇIN T. E., İLBASMIŞ TAMER S., TAKKA S.

- INTERNATIONAL JOURNAL OF PHARMACEUTICS, vol.548, no.1, pp.255-262, 2018 (SCI-Expanded)
- XIII. **Dermal flurbiprofen nanosuspensions: Optimization with design of experiment approach and in vitro evaluation**  
Oktay A. N., Karakucuk A., İLBASMIŞ TAMER S., Celebi N.  
EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.122, pp.254-263, 2018 (SCI-Expanded)
- XIV. **Quantification and spatial distribution of salicylic acid in film tablets using FT-Raman mapping with multivariate curve resolution**  
Eksi-Kocak H., İLBASMIŞ TAMER S., Yilmaz S., ERYILMAZ M., Boyaci I. H., TAMER U.  
ASIAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.13, no.2, pp.155-162, 2018 (SCI-Expanded)
- XV. **Gemcitabine hydrochloride-loaded liposomes and nanoparticles: comparison of encapsulation efficiency, drug release, particle size, and cytotoxicity**  
YALÇIN T. E., İLBASMIŞ TAMER S., İbisoglu B., ÖZDEMİR A., ARK M., TAKKA S.  
PHARMACEUTICAL DEVELOPMENT AND TECHNOLOGY, vol.23, no.1, pp.76-86, 2018 (SCI-Expanded)
- XVI. **Carbon nanotube membranes to predict skin permeability of compounds**  
İLBASMIŞ TAMER S., TUĞCU DEMİRÖZ F. N., Degim I. T.  
PHARMACEUTICAL DEVELOPMENT AND TECHNOLOGY, vol.22, no.4, pp.606-616, 2017 (SCI-Expanded)
- XVII. **Quantification and Penetration Properties of p-Hydroxybenzoic Acid Derivatives**  
İLBASMIŞ TAMER S., Degim I. T., ACARTÜRK F., Alshana U.  
CURRENT PHARMACEUTICAL ANALYSIS, vol.13, no.1, pp.18-25, 2017 (SCI-Expanded)
- XVIII. **Multiwalled Carbon Nanotube-Chitosan Scaffold: Cytotoxic, Apoptotic and Necrotic Effects on Chondrocyte Cell Lines**  
İLBASMIŞ TAMER S., ÇİFTÇİ H., TÜRK M., Degim T., TAMER U.  
CURRENT PHARMACEUTICAL BIOTECHNOLOGY, vol.18, no.4, pp.327-335, 2017 (SCI-Expanded)
- XIX. **Assessment of the potential drug-drug interaction between carvedilol and clopidogrel mediated through intestinal P-glycoprotein**  
İNCEÇAYIR T., İlbasmis-Tamer S., Tirnaksiz F. F., Degim T.  
PHARMAZIE, vol.71, no.8, pp.472-477, 2016 (SCI-Expanded)
- XX. **Stimuli-responsive lipid nanotubes in gel formulations for the delivery of doxorubicin**  
İLBASMIŞ TAMER S., Unsal H., TUĞCU DEMİRÖZ F. N., KALAYCIOĞLU G. D., Degim I. T., AYDOĞAN N.  
COLLOIDS AND SURFACES B-BIOINTERFACES, vol.143, pp.406-414, 2016 (SCI-Expanded)
- XXI. **Complement activation by PEG-functionalized multi-walled carbon nanotubes is independent of PEG molecular mass and surface density**  
Andersen A. J., Windschiegel B., İLBASMIŞ TAMER S., Degim I. T., Hunter A. C., Andresen T. L., Moghimi S. M.  
NANOMEDICINE-NANOTECHNOLOGY BIOLOGY AND MEDICINE, vol.9, no.4, pp.469-473, 2013 (SCI-Expanded)
- XXII. **A feasible way to use carbon nanotubes to deliver drug molecules: transdermal application**  
İLBASMIŞ TAMER S., Ismail T., Degim T.  
EXPERT OPINION ON DRUG DELIVERY, vol.9, no.8, pp.991-999, 2012 (SCI-Expanded)
- XXIII. **Carbon Nanotubes to Deliver Drug Molecules**  
İLBASMIŞ TAMER S., Yilmaz S., BANOĞLU E., Degim I. T.  
JOURNAL OF BIOMEDICAL NANOTECHNOLOGY, vol.6, no.1, pp.20-27, 2010 (SCI-Expanded)
- XXIV. **Development of controlled release sildenafil formulations for vaginal administration**  
Degim I. T., TUĞCU DEMİRÖZ F. N., Tamer-İlbasmis S., ACARTÜRK F.  
DRUG DELIVERY, vol.15, no.4, pp.259-265, 2008 (SCI-Expanded)
- XXV. **Evaluation of neuroprotective and anti-fatigue effects of sildenafil**  
Uthayathas S., Karuppagounder S. S., Tamer S., Parameshwaran K., Degim T., Suppiramaniam V., Dhanasekaran M.  
LIFE SCIENCES, vol.81, no.12, pp.988-992, 2007 (SCI-Expanded)
- XXVI. **Reverse iontophoresis: a non-invasive technique for measuring blood urea level**  
Degim I., İlbasmis S., Dundaroz R., Oguz Y.  
PEDIATRIC NEPHROLOGY, vol.18, no.10, pp.1032-1037, 2003 (SCI-Expanded)
- XXVII. **Prediction of skin penetration using artificial neural network (ANN) modeling**  
Degim T., Hadgraft J., İlbasmis S., Ozkan Y.

## Articles Published in Other Journals

- I. **Timolol Maleate in Situ Ophthalmic Mucoadhesive-Thermosensitive Gel: Development and Characterization**  
Kral Ö., Ayhan E. T., İLBASMIŞ TAMER S., TIRNAKSIZ F. F.  
Turkish Journal of Pharmaceutical Sciences, vol.21, no.4, pp.348-354, 2024 (ESCI)
- II. **Pharmaceutical technology in the treatment against chemical weapons and bioterrorism**  
İlbasmış Tamer S., Erdoğan Orhan İ.  
Ankara Üniversitesi Eczacılık Fakültesi Dergisi, vol.48, no.2, pp.672-695, 2024 (Scopus)
- III. **The combined use of carbon nanotubes with synthetic ceramics enhances posterolateral fusion: an experimental study in a rat spinal fusion model**  
Daldal I., ŞENKÖYLÜ A., Degim I. T., İLBASMIŞ TAMER S., ÖMEROĞLU S., Akarca Dizakar S. O., ÇELİK H. H., Uzuner M. B., Kurtoglu A., Yapar D., et al.  
Spine Deformity, vol.11, no.4, pp.805-814, 2023 (ESCI)
- IV. **Development and Characterization of Nanofiber Strip Containing Sertraline for Buccal Application**  
Özcan K., Saral Acarca E. S., İLBASMIŞ TAMER S.  
Fabad Journal of Pharmaceutical Sciences, vol.48, no.3, pp.385-394, 2023 (Scopus)
- V. **Characterization of Thermosensitive Gels for the Sustained Delivery of Dexketoprofen Trometamol for Dermal Applications**  
ÇULCU Ö., TUNÇEL E., İLBASMIŞ TAMER S., TIRNAKSIZ F. F.  
Journal of Gazi University Health Sciences Institute - GUHES, vol.2, no.2, 2020 (Peer-Reviewed Journal)
- VI. **Evaluation of Biocidal Products in COVID-19 Pandemic**  
İlbasmış Tamer S., Demiroz F. N., Acartürk F.  
GAZI MEDICAL JOURNAL, vol.31, pp.485-497, 2020 (ESCI)
- VII. **Effect of Organic Solvents on Gemcitabine Loaded PLGA Nanoparticles**  
YALÇIN T. E., İLBASMIŞ TAMER S., TAKKA S.  
FABAD Journal of Pharmaceutical Sciences, vol.42, pp.15-19, 2017 (Scopus)
- VIII. **Development and Validation of an Ultra Performance Liquid Chromatography Method for the Determination of Dexketoprofen Trometamol, Salicylic Acid and Diclofenac Sodium**  
İLBASMIŞ TAMER S.  
TURKISH JOURNAL OF PHARMACEUTICAL SCIENCES, vol.14, no.1, pp.1-8, 2017 (ESCI)
- IX. **Biyoteknolojik İlaçlar Genel Bakış**  
İLBASMIŞ TAMER S., DEĞİM İ. T.  
Türkiye Klinikleri J Pharm Sci, vol.5, no.2, pp.77-92, 2016 (Peer-Reviewed Journal)
- X. **Transdermal delivery of active compounds for the treatment of erectile dysfunction**  
İlbasmış Tamer S., Değim İ. T.  
Asian Chemistry Letters, vol.16, no.1, pp.9-22, 2011 (Peer-Reviewed Journal)
- XI. **Passive and Iontophoretic Delivery of Sildenafil Through the Skin**  
İLBASMIŞ TAMER S., DEĞİM İ. T.  
FABAD Journal of Pharmaceutical Sciences, vol.32, pp.109-119, 2007 (Scopus)
- XII. **Passive and Iontophoretic Delivery of Sildenafil Through Rabbit Skin**  
İLBASMIŞ TAMER S.  
The Nagai Foundation Tokyo Annual Report, vol.11, pp.38-42, 2005 (Peer-Reviewed Journal)
- XIII. **T Değim S İlbasmış Deriden geçiş çalışmalarında son durum ve şeker saati Tuftad Haberler 8 10 14 2001**  
DEĞİM İ. T., İLBASMIŞ TAMER S.  
Tuftad Haberler, vol.8, no.4, pp.10-14, 2001 (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. **Majistral Reçeteler için Hesaplar**  
TUĞCU DEMİRÖZ F. N., İLBASMIŞ TAMER S., AKKUŞ ARSLAN Ş., TIRNAKSIZ F. F.  
in: Majistral İlaç Rehberi, Figen Tırnaksız, Editor, Fersa Ofset, Ankara, pp.17-37, 2015
- III. **Süspansiyonlar**  
İLBASMIŞ TAMER S., TUĞCU DEMİRÖZ F. N., TIRNAKSIZ F. F.  
in: Majistral İlaç Rehberi, Figen Tırnaksız, Ayşegül Karataş, Şeyda Akkuş Arslan, Fatmanur Tuğcu Demiröz, Sibel İlbasmış Tamer, Ashlan Hilal Algan, Editor, Fersa Ofset, Ankara, pp.185-219, 2015

## Refereed Congress / Symposium Publications in Proceedings

- I. **Development and Characterization of Finasteride-loaded SNEDDS Formulations for Alopecia Treatment**  
Bebek G., Negiz H., Turan E., Yılmaz Usta D., İlbasmış Tamer S.  
21st International Pharmaceutical Technology Symposium, Ankara, Turkey, 9 - 11 September 2024

## Metrics

Publication: 141

Citation (WoS): 453

Citation (Scopus): 693

H-Index (WoS): 13

H-Index (Scopus): 16

## Non Academic Experience

Auburn University Harrison School of Pharmacy