

## Prof. SEVGİ TAKKA

### Personal Information

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### International Researcher IDs

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ScopusID: 6701655002

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### Education Information

Doctorate, Gazi University, Sağlık Bilimleri Enstitüsü, Eczacılık Teknolojisi, Turkey 1989 - 1996

Postgraduate, Gazi University, Sağlık Bilimleri Enstitüsü, Farmasötik Teknoloji (YL) (Tezli), Turkey 1987 - 1989

Undergraduate, Hacettepe University, Eczacılık Fakültesi, Eczacılık Pr., Turkey 1982 - 1986

### Foreign Languages

English, C1 Advanced

### Dissertations

Postgraduate, Katı ilaç Şekillerinde Sorun Yaratan Bazı Etken Maddelerin Yarı Katı Taşıyıcılar içinde Sert Jelatin Kapsül Formülasyonları Üzerine Çalışmalar, Gazi University, Sağlık Bilimleri Enstitüsü, Farmasötik Teknoloji (YL) (Tezli), 2020

Doctorate, Doğal polimerler kullanılarak hazırlanan boncuk şeklindeki kontrollü salım sistemlerinin tasarımı ve gerçekleştirilmesi, Gazi University, Sağlık Bilimleri Enstitüsü, Farmasötik Teknoloji (Dr), 1996

### Research Areas

Pharmaceutical Technology, Health Sciences

### Academic Titles / Tasks

Professor, Gazi University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2011 - Continues

Associate Professor, Gazi University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2004 - 2010

Assistant Professor, Gazi University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2000 - 2004

Research Assistant, Gazi University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 1990 - 1999

## Academic and Administrative Experience

Head of Department, Gazi University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2022 - Continues

Deputy Head of Department, Gazi University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2020 - 2022

## Courses

Farmasötik Teknoloji , Undergraduate, 2022 - 2023

## Advising Theses

Takka S., Mutlu Ağardan N. B., Üç Boyutlu Baskılama Teknolojisi ile Lornoksikam ve Prednizolon Tabletlerinin Geliştirilmesi Üzerine İn vitro ve İn vivo Çalışmalar, Doctorate, A.Yılmaz(Student), Continues

Takka S., ALS Tedavisinde Kullanılmak Üzere Katı Dispersiyon Tekniği ile Edaravone İçeren Ağızda Dağılan Tablet Formülasyonlarının Geliştirilmesi, In Vitro ve In Vivo Değerlendirilmesi, Doctorate, E.AKTAŞ(Student), Continues

Takka S., Tuğcu Demiröz F. N., Sitomegalovirüs Kaynaklı Retinit Tedavisi için Gansiklovir Yüklü Nanotaşıyıcı Sistem Geliştirilmesi, İn Vito ve İn Vivo Değerlendirilmesi, Doctorate, C.YETGİN(Student), Continues

Takka S., Preparation of Ondansetron HCl Loaded Drug Delivery Systems and In Vitro/In Vivo Evaluation , Doctorate, Z.DUYGU(Student), 2023

Takka S., Üç Boyutlu Baskı Teknolojisi Kullanılarak Flutikazon Propiyonat'ın Kolona Hedeflendirilmiş Tablet Formülasyonlarının Geliştirilmesi, Doctorate, C.Duran(Student), 2023

Takka S., Development of Additive Manufactured Solid Dosage Formulations Containing Orphan Drug Using Quality by Design (QbD) Principles, Doctorate, M.Saydam(Student), 2021

Takka S., Good Manufacturing Practices Transition Period In Veterinary Pharmaceutical Products , Postgraduate, D.GÜNER(Student), 2020

TAKKA S., Evaluation Of Quality By Design In Development Of Pharmaceuticals And Preparing Registration File According To The Qbd Requirements, Postgraduate, Z.YAR(Student), 2017

TAKKA S., Development And Evaluation Of Lipit Polymer Hybrid Nanoparticles Drug Delivery Systems, Doctorate, T.Emre(Student), 2017

TAKKA S., Development Of Ivermectin Loaded Parenteral Sustained Release microsphere Formulation And In Vitro And In Vivo Evaluation, Doctorate, S.Miraç(Student), 2016

Takka S., Development of pH independent release of matrix tablet formulation of weakly acidic drug, Postgraduate, M.SAYDAM(Student), 2010

TAKKA S., Preparation and characterization of gastroretentive controlled release matrix tablets, Postgraduate, D.KUZU(Student), 2010

Takka S., Ağızda hızlı dağılan tablet formülasyonlarının hazırlanması ve karakterizasyonu, Postgraduate, M.Orkun(Student), 2009

TAKKA S., Sığır serum albumin taşıyan mikropartiküler ilaç taşıyıcı sistemlerin hazırlanması ve karakterizasyonu, Postgraduate, A.GÜREL(Student), 2005

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

- Cell culture and pharmacokinetic evaluation of a solid dosage formulation containing a water-insoluble orphan drug manufactured by FDM-3DP technology**  
Saydam M., TİMUR S. S., Vural M., TAKKA S.  
INTERNATIONAL JOURNAL OF PHARMACEUTICS, vol.628, 2022 (SCI-Expanded)
- Development and characterization of polymeric nanoparticles containing ondansetron hydrochloride as a hydrophilic drug**  
ÖZDAL Z. D., Gültekin Y., VURAL İ., TAKKA S.  
Journal of Drug Delivery Science and Technology, vol.74, 2022 (SCI-Expanded)

- III. **Improving the dissolution of a water-insoluble orphan drug through a fused deposition modelling 3-Dimensional printing technology approach**  
Saydam M., TAKKA S.  
EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.152, 2020 (SCI-Expanded)
- IV. **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)
- V. **Development and in vitro evaluation of pH-independent release matrix tablet of weakly acidic drug valsartan using quality by design tools**  
Saydam M., TAKKA S.  
DRUG DEVELOPMENT AND INDUSTRIAL PHARMACY, vol.44, no.12, pp.1905-1917, 2018 (SCI-Expanded)
- VI. **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)
- VII. **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)
- VIII. **Bile salt-reinforced alginate-chitosan beads**  
TAKKA S., Cali A. G.  
PHARMACEUTICAL DEVELOPMENT AND TECHNOLOGY, vol.17, no.1, pp.23-29, 2012 (SCI-Expanded)
- IX. **Evaluation of Chitosan/Alginate Beads Using Experimental Design: Formulation and In Vitro Characterization**  
TAKKA S., Gurel A.  
AAPS PHARMSCITECH, vol.11, no.1, pp.460-466, 2010 (SCI-Expanded)
- X. **FLOATING MATRIX TABLETS BASED ON LOW DENSITY FOAM POWDER**  
TAKKA S., Kuzu D.  
EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.38, no.1, pp.78-79, 2009 (SCI-Expanded)
- XI. **Evaluation of alginate based mesalazine tablets for intestinal drug delivery**  
Tugcu-Demiroez F., Acartuerk F., Takka S., Konus-Boyunaga Ö. L.  
EUROPEAN JOURNAL OF PHARMACEUTICS AND BIOPHARMACEUTICS, vol.67, no.2, pp.491-497, 2007 (SCI-Expanded)
- XII. **Investigation of colon-specific dosage forms of ondansetron prepared with natural polymers**  
TUĞCU DEMİRÖZ F. N., Acarturk F., Takka S.  
PHARMAZIE, vol.61, no.11, pp.916-919, 2006 (SCI-Expanded)
- XIII. **Development and in vivo evaluation of extended release dextromethorphan tablets Part 2**  
Bharaj S., Takka S., Kelm G., Sakr A.  
PHARMAZEUTISCHE INDUSTRIE, vol.68, no.2, pp.247-249, 2006 (SCI-Expanded)
- XIV. **Development and in vivo evaluation of extended release dextromethorphan tablets Part 1**  
Bharaj S., Takka S., Kelm G., Sakr A.  
PHARMAZEUTISCHE INDUSTRIE, vol.68, no.1, pp.116-119, 2006 (SCI-Expanded)
- XV. **In-vitro and in-vivo evaluation of mesalazine-guar gum matrix tablets for colonic drug delivery**  
TUĞCU DEMİRÖZ F. N., Acarturk F., Takka S., Konus-Boyunaga Ö. L.  
JOURNAL OF DRUG TARGETING, vol.12, no.2, pp.105-112, 2004 (SCI-Expanded)
- XVI. **Influence of methacrylic acid and hydroxypropylmethyl cellulose on the tablet properties and in vitro release of dextromethorphan hydrobromide**  
Takka S., Bharaj S., Sakr A.  
PHARMAZIE, vol.58, no.12, pp.886-890, 2003 (SCI-Expanded)
- XVII. **Development and validation of an in vitro-in vivo correlation for buspirone hydrochloride extended**

## **release tablets**

Takka S., Sakr A., Goldberg A.

JOURNAL OF CONTROLLED RELEASE, vol.88, no.1, pp.147-157, 2003 (SCI-Expanded)

- XVIII. **Effect of anionic polymers on the release of propranolol hydrochloride from matrix tablets**  
Takka S., Rajbhandari S., Sakr A.  
EUROPEAN JOURNAL OF PHARMACEUTICS AND BIOPHARMACEUTICS, vol.52, no.1, pp.75-82, 2001 (SCI-Expanded)
- XIX. **Pectin-hydroxypropylmethylcellulose drug delivery system for colon targeting - Design and in vitro evaluation**  
Turkoglu M., Takka S., Baran H., Sakr A.  
PHARMAZEUTISCHE INDUSTRIE, vol.61, no.7, pp.662-665, 1999 (SCI-Expanded)
- XX. **Calcium alginate microparticles for oral administration: I: effect of sodium alginate type on drug release and drug entrapment efficiency**  
Takka S., Acarturk F.  
JOURNAL OF MICROENCAPSULATION, vol.16, no.3, pp.275-290, 1999 (SCI-Expanded)
- XXI. **Calcium alginate microparticles for oral administration: II effect of formulation factors on drug release and drug entrapment efficiency**  
Acarturk F., Takka S.  
JOURNAL OF MICROENCAPSULATION, vol.16, no.3, pp.291-301, 1999 (SCI-Expanded)
- XXII. **Calcium alginate microparticles for oral administration: III. The effect of crosslink agents and various additive polymers on drug release and drug entrapment efficiency**  
Takka S., Acarturk F.  
PHARMAZIE, vol.54, no.2, pp.137-139, 1999 (SCI-Expanded)
- XXIII. **Formulation and investigation of nicardipine HCl-alginate gel beads with factorial design-based studies**  
Takka S., Ocak O., Acarturk F.  
EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.6, no.3, pp.241-246, 1998 (SCI-Expanded)
- XXIV. **Influence of the preparation method on the dissolution characteristics of ibuprofen with low molecular gelatin**  
Acartürk F., Takka S., Ağabeyoğlu İ., Özkan Y., Yalın G., Şimşek R.  
Pharmazie, vol.48, pp.761-763, 1993 (SCI-Expanded)
- XXV. **Formulation and in vitro-in vivo evaluations on sustained release acetylsalicylic acid tablets**  
ÇAPAN Y., ŞENEL S., ÇALIŞ S., Takka S., Hincal A.  
Pharmazeutische Industrie, vol.51, no.4, pp.443-448, 1989 (SCI-Expanded)

## **Articles Published in Other Journals**

- I. **Ocular Drug Delivery Routes: Diseases Overview and Advanced Administration Methods**  
Yetgin C., Tuğcu Demiröz F. N., Takka S.  
FABAD JOURNAL OF PHARMACEUTICAL SCIENCES, vol.49, no.3, pp.627-646, 2024 (Scopus)
- II. **Formulation Development Studies of Three-Dimensional Printable Filaments Containing Eudragit S100 Polymer with High-Glass Transition Temperature**  
Takka S., Duran C., Sarısaltık D.  
Formulation Development Studies of Three-Dimensional Printable Filaments Containing Eudragit S100 Polymer with High-Glass Transition Temperature, vol.4, no.1179331, pp.144-151, 2022 (Peer-Reviewed Journal)
- III. **Development and characterization of camphor-loaded ozonated olive oil nanoemulsions**  
Yalçın T. E., Takka S.  
Journal of Research in Pharmacy, vol.24, no.6, pp.935-942, 2020 (ESCI)
- IV. **Chemotherapeutic Drug Targeting to Tumoral Extracellular Matrix Components**  
Yılmaz A., Takka S.

- FABAD J. Pharm. Sci, vol.45, no.2, pp.175-186, 2020 (Peer-Reviewed Journal)
- V. **Bioavailability File: Rufinamide**  
Saydam M., TAKKA S.  
FABAD, vol.44, no.3, pp.231-242, 2019 (Peer-Reviewed Journal)
- VI. **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)
- VII. **Bioavailability file Valsartan**  
Saydam M., TAKKA S.  
Fabad Journal of Pharmaceutical Sciences, vol.32, no.4, pp.185-196, 2007 (Scopus)
- VIII. **Propranolol hydrochloride anionic polymer binding interaction**  
TAKKA S.  
Farmaco, vol.58, no.10, pp.1051-1056, 2003 (Peer-Reviewed Journal)
- IX. **The use alginic acid and salts in pharmaceutical technology**  
TAKKA S., ACARTÜRK F.  
FABAD Journal of Pharmaceutical Sciences, 1998 (Scopus)
- X. **Felodipine**  
Takka S., Acartürk F.  
FABAD Farm. Bil. Der., vol.17, pp.307-320, 1992 (Peer-Reviewed Journal)
- XI. **Papaverin Hidroklorür**  
Takka S., Şumnu M., Hıncal A. A.  
FABAD Farm. Bil. Der., vol.13, pp.480-488, 1988 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Farmasötik Teknoloji Laboratuvar Kitabı**  
Acartürk F., İlbasmış Tamer S., İnceçayır T., Mutlu Ağardan N. B., Takka S., Teksin Z. Ş., Tırnaksız F. F., Tort S., Tuğcu Demiröz F. N., Aydoğduoğlu Ş., et al.  
Gazi Üniversitesi Yayınları, 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., EDİSAN Ş., et al.  
Güngörler Matbaacılık San. Tic. LTD. ŞTİ., Ankara, 2023
- III. **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
- IV. **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
- V. **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
- VI. **Farmasötik Teknoloji Laboratuvar El Kitabı**  
AĞABEYOĞLU T. İ., DOĞANAY T., ÇELEBİ N., ACARTÜRK F., TIRNAKSIZ F. F., OCAK Ö., DEĞİM İ. T., DEĞİM Z., TAKKA S., TÜRKYILMAZ A., et al.  
-, 1999

## Refereed Congress / Symposium Publications in Proceedings

- I. **Effect of Plasticizers on Soluplus® filaments Produced with Hot Melt Extrusion Technique**  
Yılmaz A., Mutlu Ağardan N. B., Takka S.  
5th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2022, Ankara, Turkey, 23 - 25 November 2022, pp.317
- II. **TRANSFERSOMES FOR TOPICAL OCULAR ADMINISTRATION: DEVELOPMENT AND IN VITRO CHARACTERIZATION**  
Yetgin C., Tuğcu Demiröz F. N., Takka S.  
5TH INTERNATIONAL EURASIAN CONFERENCE ON BIOLOGICAL AND CHEMICAL SCIENCES, Ankara, Turkey, 23 November 2022
- III. **PREPARATION AND IN VITRO CHARACTERIZATION OF ONDANSETRON HYDROCHLORIDE LOADED LIPOSOME FORMULATIONS**  
Özdal Z. D., Takka S.  
9th BBBB International Conference on Pharmaceutical Sciences, Ljubljana, Slovenia, 15 - 17 September 2022, pp.206-207
- IV. **DEVELOPMENT AND EVALUATION OF GANCICLOVIR LOADED NIOSOMES FOR THE TREATMENT OF CYTOMEGALOVIRUS RETINITIS**  
YETGİN C., ÇOBAN Ö., TUĞCU DEMİRÖZ F. N., TAKKA S.  
FIGON DMD & EUFEPS Annual Meeting 2022, Leiden, Netherlands, 01 June 2022
- V. **EVALUATION OF THE IN VITRO CYTOTOXICITY AND CHARACTERIZATION OF ONDANSETRON HYDROCHLORIDE LOADED NANOPARTICLES**  
ÖZDAL Z. D., GÜLTEKİN Y., VURAL İ., TAKKA S.  
20th International Pharmaceutical Technology Symposium - IPTS 2022, 21 - 23 February 2022
- VI. **EVALUATION OF THE IN VITRO CYTOTOXICITY AND CHARACTERIZATION OF ONDANSETRON HYDROCHLORIDE LOADED NANOPARTICLES**  
Özdal Z. D., Takka S., Vural İ.  
International Pharmaceutical Technology Symposium, Ankara, Turkey, 21 - 23 February 2022, pp.78-80
- VII. **PREPARATION AND EVALUATION ONDANSETRON HCl LOADED POLYMERIC NANOPARTICLES**  
Özdal Z. D., Takka S.  
3. International Gazi Pharma Symposium Series, Ankara, Turkey, 8 September - 10 October 2021, pp.100
- VIII. **EFFECT OF POLYMER ON ONDANSETRON HCl LOADED POLYMERIC NANOPARTICLES**  
Özdal Z. D., Takka S.  
13. International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 22 - 25 June 2021, pp.177-178
- IX. **THE ANTIMICROBIAL EFFECT OF R-LIMONENE NANOEMULSION ON ENTEROCOCCUS FAECALIS**  
Yılmaz A., Şeker İ. D., Akca G., Takka S., Alaçam T.  
3rd International Gazi Pharma Symposium Series (GPSS), Ankara, Turkey, 8 - 10 September 2021, pp.142
- X. **EVALUATION OF THE EFFECT OF INFILL DENSITY AND TABLET GEOMETRY ON DISINTEGRATION OF 3D PRINTED TABLETS**  
Duran C., Takka S.  
3rd International Gazi Pharma Symposium Series, Ankara, Turkey, 8 - 09 September 2021, pp.143
- XI. **DEVELOPMENT OF A PRINTABLE COATING FILAMENT FOR 3D COLON TARGETING TABLETS**  
Duran C., Takka S.  
ISOPS 13, Ankara, Turkey, 21 - 23 June 2021, pp.18-20
- XII. **DEVELOPMENT AND EVALUATION OF METFORMIN HYDROCHLORIDE LOADED ALGINAT-PLGA NANOPARTICLES**  
Yılmaz A., Takka S.  
8th BBBB International Conference on Pharmaceutical Sciences, İzmir, Turkey, 14 - 16 October 2019, pp.1-2
- XIII. **IMPROVING THE SOLUBILITY AND DISSOLUTION OF A WATER INSOLUBLE ORPHAN DRUG WITH 3 DIMENSIONAL PRINTING (3DP)**  
TAKKA S., Saydam M.

8th BBBB International Conference on Pharmaceutical Sciences, 14 - 16 October 2019, pp.67-69

- XIV. **Nanoformulations For Dermal Application**  
OKTAY A. N., İLBASMIŞ TAMER S., TAKKA S.  
17th Edition of International Conference and Exhibition on Pharmaceutics Novel Drug Delivery Systems, 4 - 06 October 2018
- XV. **Development of Solid Dosage Forms of an Orphan Drug with 3 Dimensional Printing (3DP) by Using Quality by Design (QbD) Tools**  
Saydam M., TAKKA S.  
International Pharmaceutical Technology Symposium (IPTS), Ankara, Turkey, 17 - 19 September 2018, pp.138-139
- XVI. **Gemcitabine Hydrochloride Loaded Lipid Polymer Hybrid Nanoparticles (LPHNs): In Vivo Evaluation For Breast Cancer Therapy**  
YALÇIN T. E., İLBASMIŞ TAMER S., TAKKA S.  
19th International Pharmaceutical Technology Symposium (IPTS), Antalya, Turkey, 17 - 19 September 2018, pp.154-155
- XVII. **Formulation Optimization Of Lipid Polymer Hybrid Nanoparticles (LPHNS) Using Central Composite Design**  
YALÇIN T. E., İLBASMIŞ TAMER S., TAKKA S.  
International Pharmaceutical Technology Symposium (IPTS), Antalya, Turkey, 17 - 19 September 2018
- XVIII. **Stability of Gemcitabine Hydrochloride Loaded LPHNs in Phosphate Buffer Solution and Fetal Bovine Serum**  
YALÇIN T. E., İLBASMIŞ TAMER S., TAKKA S.  
12th International Symposium on Pharmaceutical Sciences, 26 - 29 June 2018
- XIX. **Stability of Gemcitabine Hydrochloride Loaded LPHNs on Different Storage Conditions**  
YALÇIN T. E., İLBASMIŞ TAMER S., TAKKA S.  
12th International Symposium on Pharmaceutical Sciences, 26 - 29 June 2018
- XX. **Accelerated and Long-Term Stability Studies For Gemcitabine Hydrochloride Loaded Liposomes and Nanoparticles**  
YALÇIN T. E., İLBASMIŞ TAMER S., TAKKA S.  
2nd International Gazi Pharma Symposium Series, GPSS, 11 - 13 October 2017
- XXI. **Stability Studies of Gemcitabine Hydrochloride Loaded Liposomes and Nanoparticles in Various Media**  
YALÇIN T. E., İLBASMIŞ TAMER S., TAKKA S.  
2nd International Gazi Pharma Symposium Series, GPSS, 11 - 13 October 2017
- XXII. **Preparation and Characterization of Gemcitabine HCl Loaded Lipid Polymer Hybrid Nanoparticles**  
YALÇIN T. E., İLBASMIŞ TAMER S., TAKKA S.  
14th European Symposium on Controlled Drug Delivery, 13 - 15 April 2016, pp.179
- XXIII. **Preparation and Characterization of Gemcitabine HCl Loaded Lipid Polymer Hybrid Nanoparticles**  
YALÇIN T. E., İLBASMIŞ TAMER S., TAKKA S.  
14th European Symposium on Controlled Drug Delivery, Egmond aan Zee, Netherlands, 13 - 15 April 2016
- XXIV. **The Effect of Type of Organic Phase Solvents on the Characteristics of Gemcitabine HCl Loaded Poly lactic Co Glycolic Acid Nanoparticles**  
YALÇIN T. E., İLBASMIŞ TAMER S., TAKKA S.  
GPSS Gazi Pharma Symposium Series, Antalya, Turkey, 12 - 14 November 2015
- XXV. **APPLICATION OF QUALITY BY DESIGN QbD TOOLS AND BIOPHARMACEUTICAL CLASSIFICATION SYSTEM BCS IN DEVELOPING PH INDEPENDENT CONTROLLED RELEASE MATRIX TABLET**  
Saydam M., TAKKA S.  
GPSS 2015, 12 - 14 November 2015
- XXVI. **Development and Characterization of Gemcitabine Hydrochloride Loaded Liposomes**  
YALÇIN T. E., İLBASMIŞ TAMER S., TAKKA S.  
AAPS Annual Meeting, World Congress in Association with the AAPS Annual Meeting and Exposition, Orlando/Florida, United States Of America, 23 - 29 October 2015

- XXVII. **The Effect of Type of Organic Solvents on the Characteristics of Gemcitabine HCl Loaded Poly Lactic Co Glycolic Acid Nanoparticles**  
YALÇIN T. E., İLBASMIŞ TAMER S., TAKKA S.  
GPSS, "International Gazi Pharma Symposium Series", Antalya, Turkey, 12 - 15 November 2015
- XXVIII. **Effect of Polymer Characteristics on Particle Size And Encapsulation Efficiency**  
YALÇIN T. E., İLBASMIŞ TAMER S., TAKKA S.  
6th BBBB Conference on Pharmaceutical Sciences, Helsinki, Finland, 10 - 12 September 2015
- XXIX. **DEVELOPMENT AND EVALUATION OF GEMCITABINE HCl LOADED PLGA NANOPARTICLES**  
YALÇIN T. E., İLBASMIŞ TAMER S., TAKKA S.  
17 International Pharmaceutical Technology Symposium, 8 - 10 September 2014
- XXX. **Development and Evaluation of Gemcitabine HCl Loaded PLGA Nanoparticles 17th IPTS 2014**  
**International Pharmaceutical Technology Symposium Antalya Turkey Abstract s 199 September 8 10 2014**  
YALÇIN T. E., İLBASMIŞ TAMER S., TAKKA S.  
17th IPTS 2014 (International Pharmaceutical Technology Symposium), 8 - 10 September 2014
- XXXI. **Investigation of the Colon- Specific Matrix Tablets of Ondansetron With Natural Polymers**  
TUĞCU DEMİRÖZ F. N., ACARTÜRK F., TAKKA S.  
11th International Pharmaceutical Technology Symposium, İstanbul, Turkey, 9 - 11 September 2002, pp.208
- XXXII. **In-vivo Evaluation of Colon-Specific Matrix Tablets with Mesalamine and Sodium Alginate in Healthy Volunteers**  
TUĞCU DEMİRÖZ F. N., ACARTÜRK F., TAKKA S., BOYUNAGA Ö. L.  
Proc.4th World Meeting, APGI, Florence, Italy, 8 - 11 April 2002, pp.99-100
- XXXIII. **Investigation of the Colon-Specific Dosage Forms using Sodium Alginate**  
TUĞCU DEMİRÖZ F. N., ACARTÜRK F., TAKKA S.  
61st International Congress of FIP, Singapore, Singapore, 1 - 06 September 2001, pp.81
- XXXIV. **Denetimli Salım Yapan Sodyum Aljinat-Nikardipin HCl Jel Boncukları Üzerinde Çalışmalar**  
TAKKA S., ACARTÜRK F.  
Biyomed 3: 3.Ulusal Biyomedikal Bilim ve Teknoloji Sempozyumu, Bursa, Turkey, 11 - 14 December 1996
- XXXV. **Formulation and In Vitro release of Nicardipine HCl from Alginate Gel Beads**  
TAKKA S., ACARTÜRK F.  
7th International Pharmaceutical Technology Symposium, 12 - 14 September 1994
- XXXVI. **Utilizing Factorial Desing For The Preparation and Evaluation of Alginate Gel Beads with Nicardipine HCl**  
TAKKA S., ACARTÜRK F.  
21st International Symposium on Controlled Release Of Bioactive Materials, Nice, France, 27 - 30 June 1994, vol.21, pp.740-741
- XXXVII. **Enhancement of the solubility and Dissolution Rate of Ibuprofen by water soluble gelatin**  
ACARTÜRK F., TAKKA S., ÖZKAN Y., ŞİMŞEK R.  
2nd International Symposium on Pharmaceutical Sciences, 7 - 10 September 1992

## Other Publications

- I. **Chemotherapeutic Drug Targeting to Tumoral Extracellular Matrix Components**  
Yılmaz A., Takka S.  
Other, pp.175-186, 2020
- II. **Felodipin**  
Takka S., Acartürk F.  
Other, pp.307-320, 1992
- III. **Papaverin Hidroklorür**  
Takka S., Şumnu M., Hıncal A. A.



## Expert Reports

- I. Association of Quality by Design QbD Tools with Biopharmaceutical Classification System BCS Yayın Hakemliği Pharmaceutial Engineering  
TAKKA S.  
2015

## Supported Projects

- TAKKA S., YILMAZ A., MUTLU AĞARDAN N. B., TİMUR S. S., Project Supported by Higher Education Institutions, Lornoksikamın eriyik birikim modelleme üç boyutlu baskılama teknolojisiyle çift katlı tabletlerinin geliştirilmesi ve geliştirilen tabletlerin in vitro ortamda Lornox Fast ile kıyaslanılarak değerlendirilmesi, 2024 - Continues
- TAKKA S., TUĞCU DEMİRÖZ F. N., UĞURLU N., ERDAL E., YETGİN C., Project Supported by Higher Education Institutions, Göz Posterior Segmentine İlaç Uygulaması İçin Nanopartikül İçeren İn Situ Jel Sistem Geliştirilmesi İn Vitro ve İn Vivo Değerlendirilmesi, 2022 - Continues
- TAKKA S., MUTLU AĞARDAN N. B., YILMAZ A., Project Supported by Higher Education Institutions, Üç boyutlu baskılama teknolojisi ile lornoksikam ve prednizolon tabletlerinin geliştirilmesi üzerine in vitro ve in vivo çalışmalar, 2022 - Continues
- Takka S., Özdal Z. D., Reçber T., Nemutlu E., TUBITAK Project, Ondansetron HCl Yüklü İlaç Taşıyıcı Sistemlerde İn Vivo Çalışmalar ve Farmakokinetik Değerlendirmeler, 2023 - 2023
- TAKKA S., DEMİREL M. A., VURAL İ., GÜLTEKİN Y., ÖZDAL Z. D., Project Supported by Higher Education Institutions, Ondansetron HCl Yüklü İlaç Taşıyıcı Sistemlerin Hazırlanması ve İn Vitro İn Vivo Değerlendirilmesi, 2021 - 2023
- Takka S., Sarısaltık Yaşın D., TUĞCU DEMİRÖZ F. N., TUBITAK Project, Formulation Development of the Colon Targeted Enteric Coated Matrix Tablets Including Fluticasone Propionate Using Three Dimensional Printing Technology, 2019 - 2022
- TAKKA S., Project Supported by Higher Education Institutions, Eklemeli üretim tekniği (FDM) ile yetim ilaç içeren katı ilaç formülasyonlarının tasarımla kalite (QbD) prensiplerine dayanılarak geliştirilmesi, 2017 - 2020
- ÇAKMAK G., HACIŞEVKİ A., ALP O., TAKKA S., ÖNKOL T., ULUDAĞ M. O., AKKOL E., Project Supported by Higher Education Institutions, ECZACILIK FAKÜLTESİ LABORATUVARLARININ MODERNİZASYONU, 2015 - 2017
- TAKKA S., İLBASMIŞ TAMER S., ARK M., TUBITAK Project, Gemsitabin HCl içeren Lipit Polimer Hibrit Nanopartiküler İlaç Taşıyıcı Sistemlerin İn Vivo Antitümör Etkisine Farmakokinetik Parametrelerin Değerlendirilmesi, 2014 - 2017
- TAKKA S., Project Supported by Higher Education Institutions, VETERİNER HEKİMLERDE KULLANILMAK ÜZERE SÜREKLİ ETKİLİ MİKROKÜRE FORMÜLASYONLARININ HAZIRLANMASI, 2010 - 2012
- TAKKA S., Project Supported by Higher Education Institutions, Ağızda Dağılan Tablet Formülasyonlarının Hazırlanması ve Karakterizasyonu, 2007 - 2010
- TAKKA S., Project Supported by Higher Education Institutions, Oral protein kullanımında aljinat-kitozan mikrokapsülleri, 2002 - 2004

## Patent

- Takka S., Kaya S., İvermeklin İçeren Parenteral Sürekli Salım Formülasyonu, Patent, CHAPTER A Human Needs, The Invention Registration Number: 2016 18568 , Standard Registration, 2019
- ACARTÜRK F., TAKKA S., Uzatılmış Salım Sağlayan Fluvastatin Tablet, Patent, CHAPTER A Human Needs, 2012

## Memberships / Tasks in Scientific Organizations

FABAD, Principal Member, 2015 - Continues, Turkey

TÜFTAD, Member, 2006 - Continues, Turkey

## **Scientific Refereeing**

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Abdullah Gul University, Turkey, January 2020

## **Metrics**

Publication: 94

Citation (WoS): 739

Citation (Scopus): 1011

H-Index (WoS): 12

H-Index (Scopus): 15

## **Non Academic Experience**

Gazi Üniversitesi, Eczacılık Fakültesi

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