

# Prof. İPEK EROĞLU

## Personal Information

Office Phone: [+90 312 305 3597](tel:+903123053597)

Email: [ipekeroglu@hacettepe.edu.tr](mailto:ipekeroglu@hacettepe.edu.tr)

Web: <https://avesis.hacettepe.edu.tr/ipekeroglu>

Address: Hacettepe Üniversitesi, Eczacılık Fakültesi, Eczacılık Temel Bilimleri Anabilim Dalı, Sıhhiye ANKARA

## International Researcher IDs

ORCID: 0000-0002-1952-087X

ScopusID: 15770225400

Yoksis Researcher ID: 102568

## Education Information

Doctorate, Université Paris-Sud: Paris XI, Eczacılık Fakültesi, France 2007 - 2008

Doctorate, Ege University, Eczacılık Teknolojisi Bölümü, Farmasötik Teknoloji Ana Bilim Dalı, Turkey 2002 - 2008

Postgraduate, Ege University, Eczacılık Teknolojisi Bölümü, Farmasötik Teknoloji Ana Bilim Dalı, Turkey 2000 - 2002

Undergraduate, Ege University, Faculty Of Pharmacy, Turkey 1995 - 1999

## Foreign Languages

English, C1 Advanced

## Research Areas

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

## Academic Titles / Tasks

Professor, Hacettepe University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 2021 - Continues

Associate Professor, Hacettepe University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 2015 - 2021

Assistant Professor, Ege University, Faculty Of Pharmacy, Eczacılık Teknolojisi Bölümü, 2013 - 2015

Research Assistant, Ege University, Faculty Of Pharmacy, Eczacılık Teknolojisi Bölümü, 2000 - 2013

## Advising Theses

Eroğlu İ., İNTRATÜMÖRAL UYGULAMAYA YÖNELİK NANOLİPOZOM FORMÜLASYONLARININ GELİŞTİRİLMESİ,  
Postgraduate, Ü.Yaman(Student), 2019

Eroğlu İ., L-KARNİTİN YÜKLÜ POLİMERİK VE LİPİT BAZLI NANOPARTİKÜLER SİSTEMLERİN HAZIRLANMASI VE İN-VİTRO DEĞERLENDİRİLMESİ, Doctorate, M.Yaşacan(Student), 2019

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

- I. **Therapeutic targeting of siRNA/anti-cancer drug delivery system for non-melanoma skin cancer. Part I: Development and gene silencing of JAK1siRNA/5-FU loaded liposome nanocomplexes**  
Aslan M., ÖZTÜRK Ş., Shahbazi R., Bozdemir O. z., ZEYBEK N. D., VARGEL İ., EROĞLU İ., ULUBAYRAM K.  
EUROPEAN JOURNAL OF PHARMACEUTICS AND BIOPHARMACEUTICS, 2024 (SCI-Expanded)
- II. **CB65 and novel CB65 liposomal system suppress MG63 and Saos-2 osteosarcoma cell growth in vitro**  
Zorba B. I., Boyacıoğlu Ö., Çağlayan T., REÇBER T., NEMUTLU E., EROĞLU İ., KORKUSUZ P.  
Journal of Liposome Research, 2023 (SCI-Expanded)
- III. **Comparative Evaluation of Clinical Efficacy and Safety of Collagen Laminin-Based Dermal Matrix Combined With Resveratrol Microparticles (Dermalix) and Standard Wound Care for Diabetic Foot Ulcers**  
ÇETİNKALP Ş., GÖKÇE E. H., YILDIRIM ŞİMŞİR İ., TUNCAY TANRIVERDİ S., Dogan F., BİRAY AVCI Ç., EROĞLU İ., Utku T., GÜNDÜZ C., ozer O.  
INTERNATIONAL JOURNAL OF LOWER EXTREMITY WOUNDS, vol.20, no.3, pp.217-226, 2021 (SCI-Expanded)
- IV. **Current approaches and future prospects of nanofibers: a special focus on antimicrobial drug delivery**  
Topcu B., GÜLTEKİNOĞLU BAYRAM M., TİMUR S. S., EROĞLU İ., ULUBAYRAM K., EROĞLU H.  
JOURNAL OF DRUG TARGETING, vol.29, no.6, pp.563-575, 2021 (SCI-Expanded)
- V. **Polymeric Nanoparticle Versus Liposome Formulations: Comparative Physicochemical and Metabolomic Studies as l-Carnitine Delivery Systems**  
Yasacan M., Erikci A., Eylem C. C., Ciftci S. Y., NEMUTLU E., ULUBAYRAM K., EROĞLU İ.  
AAPS PHARMSCITECH, vol.21, no.8, 2020 (SCI-Expanded)
- VI. **Surface modified nanoliposome formulations provide sustained release for 5-FU and increase cytotoxicity on A431 cell line**  
Yaman U., Aslan M., ÖZTÜRK Ş., ULUBAYRAM K., EROĞLU İ.  
PHARMACEUTICAL DEVELOPMENT AND TECHNOLOGY, vol.25, no.10, pp.1192-1203, 2020 (SCI-Expanded)
- VII. **Liposome-based combination therapy for acne treatment**  
EROĞLU İ., Aslan M., Yaman U., Gultekinoglu M., ÇALAMAK S., KART D., ULUBAYRAM K.  
JOURNAL OF LIPOSOME RESEARCH, vol.30, no.3, pp.263-273, 2020 (SCI-Expanded)
- VIII. **Propolis loaded liposomes: evaluation of antimicrobial and antioxidant activities**  
Aytekin A. A., Tanriverdi S. T., Kose F. A., Kart D., Eroğlu İ., Ozer O.  
JOURNAL OF LIPOSOME RESEARCH, vol.30, pp.107-116, 2020 (SCI-Expanded)
- IX. **Vancomycin Loaded Gelatin Microspheres Containing Wet Spun Poly(epsilon-caprolactone) Fibers and Films for Osteomyelitis Treatment**  
AKSOY E. A., Yagci B. S., Manap G., EROĞLU İ., ÖZTÜRK Ş., EKİZOĞLU M., ULUBAYRAM K.  
FIBERS AND POLYMERS, vol.20, no.11, pp.2236-2246, 2019 (SCI-Expanded)
- X. **Gel network comprising UV crosslinked PLGA-b-PEG-MA nanoparticles for ibuprofen topical delivery**  
EROĞLU İ., Gultekinoglu M., BAYRAM C., Erikci A., Ciftci S. Y., AKSOY E. A., ULUBAYRAM K.  
PHARMACEUTICAL DEVELOPMENT AND TECHNOLOGY, vol.24, no.9, pp.1144-1154, 2019 (SCI-Expanded)
- XI. **Liposome-ligand conjugates: a review on the current state of art**  
EROĞLU İ., Ibrahim M.  
JOURNAL OF DRUG TARGETING, 2019 (SCI-Expanded)
- XII. **In vitro release test of nano-drug delivery systems based on analytical and technological perspectives**  
NEMUTLU E., EROĞLU İ., EROĞLU H., KIR S.  
Current Analytical Chemistry, vol.15, no.4, pp.373-409, 2019 (SCI-Expanded)
- XIII. **A snapshot on the current status of Alzheimer's disease, treatment perspectives, in-Vitro and in-Vivo research studies and future opportunities**  
Tezel G., TİMUR S. S., Bozkurt İ., Faruk Türkoğlu Ö., EROĞLU İ., NEMUTLU E., ÖNER L., EROĞLU H.  
Chemical and Pharmaceutical Bulletin, vol.67, no.10, pp.1030-1041, 2019 (SCI-Expanded)
- XIV. **Formulation and Evaluation of Organogels Containing Hyaluronan Microparticles for Topical**

## **Delivery of Caffeine**

Simsolo E. E., EROĞLU İ., TUNCAY TANRIVERDİ S., Ozer O.

AAPS PHARMSCITECH, vol.19, no.3, pp.1367-1376, 2018 (SCI-Expanded)

- XV. **Wound healing effects of collagen-laminin dermal matrix impregnated with resveratrol loaded hyaluronic acid-DPPC microparticles in diabetic rats**  
GÖKÇE E. H., TUNCAY TANRIVERDİ S., EROĞLU İ., TSAPIS N., GÖKÇE G., Tekmen I., FATTAL E., Ozer O.  
European Journal of Pharmaceutics and Biopharmaceutics, vol.119, pp.17-27, 2017 (SCI-Expanded)
- XVI. **An overview of nanofiber-based antibacterial drug design**  
ÇALAMAK S., SHAHBAZI R., EROĞLU İ., Gultekinoglu M., ULUBAYRAM K.  
EXPERT OPINION ON DRUG DISCOVERY, vol.12, no.4, pp.391-406, 2017 (SCI-Expanded)
- XVII. **Effective topical delivery systems for corticosteroids: dermatological and histological evaluations**  
Eroğlu İ., AZİZOĞLU E., ÖZYAZICI M., Nenni M., GÜRER ORHAN H., Özbal S., Tekmen I., Ertam İ., ÜNAL İ., Özer Ö.  
Drug Delivery, vol.23, no.5, pp.1502-1513, 2016 (SCI-Expanded)
- XVIII. **Evaluation of characteristics and in vitro antioxidant properties of RSV loaded hyaluronic acid-DPPC microparticles as a wound healing system**  
Eroglu İ., GÖKÇE E. H., Tsapis N., TUNCAY TANRIVERDİ S., GÖKÇE G., Fattal E., Ozer O.  
COLLOIDS AND SURFACES B-BIOINTERFACES, vol.126, pp.50-57, 2015 (SCI-Expanded)
- XIX. **Nanofibers Based Antibacterial Drug Design, Delivery and Applications**  
ULUBAYRAM K., ÇALAMAK S., SHAHBAZI R., Eroglu İ.  
CURRENT PHARMACEUTICAL DESIGN, vol.21, no.15, pp.1930-1943, 2015 (SCI-Expanded)
- XX. **Design of polyethylene glycol-polyethylenimine nanocomplexes as non-viral carriers: mir-150 delivery to chronic myeloid leukemia cells**  
BİRAY AVCI Ç., Ozcan İ., Balci T., Ozer O., GÜNDÜZ C.  
CELL BIOLOGY INTERNATIONAL, vol.37, no.11, pp.1205-1214, 2013 (SCI-Expanded)
- XXI. **Comparison of PLGA and lecithin/chitosan nanoparticles for dermal targeting of betamethasone valerate**  
Ozcan İ., AZİZOĞLU E., Senyigit T., ÖZYAZICI M., Ozer O.  
JOURNAL OF DRUG TARGETING, vol.21, no.6, pp.542-550, 2013 (SCI-Expanded)
- XXII. **Enhanced dermal delivery of diflucortolone valerate using lecithin/chitosan nanoparticles: in-vitro and in-vivo evaluations**  
Ozcan İ., AZİZOĞLU E., Senyigit T., ÖZYAZICI M., Ozer O.  
INTERNATIONAL JOURNAL OF NANOMEDICINE, vol.8, pp.461-475, 2013 (SCI-Expanded)
- XXIII. **Innovative topical formulations for treatment of dermatitis.**  
Senyigit T., Ozcan İ., Ozer O.  
Recent patents on inflammation & allergy drug discovery, vol.6, pp.186-201, 2012 (SCI-Expanded)
- XXIV. **Synthesis and Characterization of Surface-Modified PBLG Nanoparticles for Bone Targeting: In vitro and In Vivo Evaluations**  
Ozcan İ., Bouchemal K., Segura-Sanchez F., Ozer O., Guneri T., Ponchel G.  
JOURNAL OF PHARMACEUTICAL SCIENCES, vol.100, no.11, pp.4877-4887, 2011 (SCI-Expanded)
- XXV. **In vitro and in vivo evaluation of oral tablet formulations prepared with ketoconazole and hydroxypropyl-beta-cyclodextrin**  
Taneri F., Ozcan İ., Guneri T.  
DRUG DELIVERY, vol.17, no.3, pp.152-157, 2010 (SCI-Expanded)
- XXVI. **Pegylation of poly(gamma-benzyl-L-glutamate) nanoparticles is efficient for avoiding mononuclear phagocyte system capture in rats**  
Ozcan İ., Segura-Sanchez F., Bouchemal K., SEZAK M., Ozer O., Guneri T., Ponchel G.  
INTERNATIONAL JOURNAL OF NANOMEDICINE, vol.5, pp.1103-1111, 2010 (SCI-Expanded)
- XXVII. **Enhanced Topical Delivery of Terbinafine Hydrochloride with Chitosan Hydrogels**  
Ozcan İ., Abaci O., Uztan A. H., Aksu B., BOYACIOĞLU H., Guneri T., Ozer O.  
AAPS PHARMSCITECH, vol.10, no.3, pp.1024-1031, 2009 (SCI-Expanded)
- XXVIII. **The absorption of Tc-99m-alendronate given by rectal route in rabbits**

- Asikoglu M., Oezgueney I., Oezcan İ., Oeruemlu O., Gueneri T., Koeseoglu K., Oezklic H.  
PHARMACEUTICAL DEVELOPMENT AND TECHNOLOGY, vol.13, no.3, pp.213-220, 2008 (SCI-Expanded)
- XXIX. **The preparation and evaluation of sustained release suppositories containing ketoprofen and Eudragit RL 100 by using factorial design**  
(Sariguellue) I. O., Oezcan İ., Ertan G., Gueneri T.  
PHARMACEUTICAL DEVELOPMENT AND TECHNOLOGY, vol.12, no.1, pp.97-107, 2007 (SCI-Expanded)
- XXX. **Evaluation of in vitro release and skin irritation of benzoyl peroxide-containing products**  
Ozer O., Ozcan İ., Cetin E. O., Tekmen I., Sonmez U., Kirilmaz L., Guneri T.  
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, vol.16, no.6, pp.449-454, 2006 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Evaluating the content accuracy of augmented reality applications on the Solar System**  
Aydin M., EROĞLU İ.  
Physics Education, vol.57, no.3, 2022 (Scopus)

## Books & Book Chapters

- I. **Nanotechnology in Progress: Pharmaceutical Applications**  
Şenyiğit T. (Editor), Eroğlu İ. (Editor), Özer K. Ö. (Editor)  
RESEARCH SIGNPOST, Abohar, 2012
- II. **Pharmaceutical Nanotechnology in Charge: Drug Targeting Applications**  
Eroğlu İ., Eroğlu H.  
in: Nanotechnology in Progress: Pharmaceutical Applications, Taner Şenyiğit, İpek Eroğlu, Özgen Özer, Editor,  
RESEARCH SIGNPOST, Abohar, pp.1-22, 2012
- III. **Chitosan: Manufacture, Properties and Usage (Current status of chitosan on dermal/ transdermal drug delivery systems)**  
Eroğlu İ., Şenyiğit T., Gökçe E. H., Özer K. Ö.  
NOVA Science Publishers Inc. , New York, 2010

## Supported Projects

ZEYBEK N. D., EROĞLU İ., TUBITAK Project, Non-melanom cilt kanseri tedavisinde ilaç ve siRNA içeren sinerjik etkili yenilikçi nanolipozomların geliştirilmesi (NanoMezom), 2017 - Continues

Akkaya Ulum Z. Y., Eroğlu İ., Peynircioğlu B., TUBITAK Project, Ailevi Akdeniz Ateşi Transgenik Fare Modellerinde miR-197-3p'nin Potansiyel Terapötik Etkilerinin Araştırılması, 2023 - 2025

İSKİT A. B., UÇAR G., EROĞLU İ., KÖSEMEHMETOĞLU K., ERİKÇİ A., Özçelik B., Project Supported by Higher Education Institutions, Kolorektal kanserde Epitelyal Mezenkimal Geçiş EMT modellemesinde Glutasyon STransferazın rolü ve GlutasyonSTransferaz inhibitörü hedeflenerek adjuvan terapi etkinliğinin in vivo şartlarda artırılması, 2017 - 2019

BAYDAR T., ARICA YEGİN B., EROĞLU İ., YABANOĞLU ÇİFTÇİ S., EROĞLU H., Project Supported by Higher Education Institutions, Eczacılık Fakültesi Lisans Eğitim Programı Akreditasyonu-Ara Değerlendirme Ziyareti, 2017 - 2018

EROĞLU İ., ULUBAYRAM K., AKSOY E. A., GÜLTEKİNOĞLU BAYRAM M., ÇALAMAK S., Project Supported by Higher Education Institutions, Kombine Etkili Nanolipozomların Geliştirilmesi, 2017 - 2018

AKSOY E. A., EROĞLU İ., EKİZOĞLU M., Yağcı B. S., Öztürk Ş., Manap G., ULUBAYRAM K., Project Supported by Higher Education Institutions, Osteomyelit Tedavisi için Antibakteriyel Yama Olarak Vankomisin Jelatin Mikroküreleri İçeren Poli(e-kaprolakton) Liflerin Geliştirilmesi, 2017 - 2017

UÇAR G., BAYSAL İ., EROĞLU İ., Özçelik B., Özçelik B., Project Supported by Higher Education Institutions, Kemoterapötiklere Dirençli Kanser Hücrelerine Yönlendirilmek Üzere GST İnhibitörü ETA Yüklü Nanopartiküllerin

Hazırlanması ve Karakterizasyonu, 2016 - 2017

EROĞLU İ., GÜLTEKİNOĞLU M., AKSOY E. A., ULUBAYRAM K., Project Supported by Higher Education Institutions, Topikal Nanojel Formülasyonlarının Geliştirilmesi, 2016 - 2017

EROĞLU İ., Project Supported by Higher Education Institutions, Öğretim üyeliğine geçiş desteği, 2015 - 2016

## **Patent**

Özer K. Ö., Gökçe E. H., Eroğlu İ., Tuncay Tanrıverdi S., A dermal matrix and production method thereof having synergistic effects comprising microparticles which provides tissue repair, Patent, CHAPTER A Human Needs, The Invention Registration Number: US9517215B2 , 2016

## **Metrics**

Publication: 51

Citation (WoS): 347

Citation (Scopus): 396

H-Index (WoS): 12

H-Index (Scopus): 11