

## Prof. AYŞE KEVSER ÖZDEN

### Personal Information

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### Education Information

Post Graduate, McGill University, Tıp, Fizyoloji, Canada 1978 - 1981

Doctorate, Hacettepe Üniversitesi, Fen Fakültesi, Biyoloji/Fizyoloji, Turkey 1976 - 1981

Post Graduate, Hacettepe Üniversitesi, Fen Fakültesi, Biyoloji, Turkey 1971 - 1976

### Foreign Languages

French, B2 Upper Intermediate

English, C1 Advanced

### Research Areas

Medicine, Health Sciences, Fundamental Medical Sciences, Biochemistry, Biomedical Engineering, Life Sciences, Molecular Biology and Genetics, Molecular Biology of Cancer, Natural Sciences, Engineering and Technology

### Academic Titles / Tasks

Professor, Hacettepe Üniversitesi, Tıp Fakültesi (ingilizce), Temel Tıp Bilimleri Bölümü, 1999 - Continues

Associate Professor, Hacettepe Üniversitesi, Tıp Fakültesi (ingilizce), Temel Tıp Bilimleri Bölümü, 1990 - 1999

Assistant Professor, Hacettepe Üniversitesi, Tıp Fakültesi (ingilizce), Temel Tıp Bilimleri Bölümü, 1986 - 1990

Research Assistant, Hacettepe Üniversitesi, Fen Fakültesi, Biyoloji Bölümü, 1976 - 1986

### Advising Theses

ÖZDEN A. K. , Cilt Yenilenmesi İçin Yeni Bir Fibrin Matris Oluşturulması, Kimyasal/Fiziksel Özellikleri ve Doku İskelesi Oluşturma Potansiyeli Açısından İncelenmesi, Post Graduate, A.TAŞPOLATOĞLU(Student), 2018

ÖZDEN A. K. , Meme kanseri hücrelerine mTOR antisens oligonükleotitlerini hedefleyecek transferrin kaplanmış altın nanopartiküllerin tasarımı sentezi ve uygulanması, Post Graduate, E.BEKTAŞ(Student), 2017

ÖZDEN A. K. , Metastatik meme kanseri hücrelerinde mTOR üzerinde etkili bazı mekanizmaların araştırılması, Post Graduate, M.UĞUR(Student), 2014

ÖZDEN A. K. , Nnav1.5 sodyum kanalı ve noç-4 reseptör sinyalinin baskılanmasının insan meme kanseri hücrelerinde çoğalma ve metastatik potansiyel üzerine etkisinin incelenmesi, Post Graduate, C.ÇAKIR(Student), 2013

ÖZDEN A. K. , Karbohidrat temelli doku iskelelerinin tasarlanması ve mezenkimal kök hücre kültüründe kullanılması, Post Graduate, B.KUTLUCA(Student), 2010

ÖZDEN A. K. , Hücre kültüründe tümör hücrelerine akıllı polimerik taşıyıcılar ile antisens oligonükleotit aktarımı, Post Graduate, E.KIRSAÇ(Student), 2005

- ÖZDEN A. K. , Benzimidazol ve tiyazolidindion halkası içeren bazı retinoidal bileşiklerin DNA'ya bağlanma özelliklerinin in vitro analizi, Post Graduate, Y.MUŞDAL(Student), 2004
- ÖZDEN A. K. , Periferel kan lenfositlerinde kızamık virusu reseptörlerinin incelenmesi, Post Graduate, P.AKPINAR(Student), 2003
- ÖZDEN A. K. , Effects of antineoplastic drugs on alternative splicing of human caspase 2, 3, 8 and 9 in primary glioma cell culture, Doctorate, N.SAMİM(Student), 2003
- ÖZDEN A. K. , Lenfomaların sitolojik tiplendirmesine bağlı sitogenetik düzensizliklerin incelenmesi, Doctorate, Ş.GÜRAN(Student), 1993

## Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Quartz crystal microbalance based biosensors for detecting highly metastatic breast cancer cells via their transferrin receptors**  
ATAY S., Piskin K., Yilmaz F., ÇAKIR C., YAVUZ H., DENİZLİ A.  
ANALYTICAL METHODS, vol.8, no.1, pp.153-161, 2016 (Journal Indexed in SCI)
- II. **Self-assembled Monolayers and Nanocomposite Hydrogels of Functional Nanomaterials for Tissue Engineering Applications**  
Kehr N. S. , Atay S., Ergun B.  
MACROMOLECULAR BIOSCIENCE, vol.15, no.4, pp.445-463, 2015 (Journal Indexed in SCI)
- III. **Synthesis and cyclooxygenase inhibitory activities of some N-acylhydrazone derivatives of isoxazolo[4,5-d]pyridazin-4(5H)-ones**  
UENSAL-TAN O., Oezden K., Rauk A., BALKAN A.  
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.45, no.6, pp.2345-2352, 2010 (Journal Indexed in SCI)
- IV. **Growth inhibition of SK-MEL-30 human melanoma cells by antisense c-myc oligonucleotides delivered by poly(N-isopropylacrylamide)/poly(ethyleneimine) copolymer**  
Dincer S., OSKAY E. K. , Piskin A. K. , ZEYBEK N. D. , PISKIN E.  
JOURNAL OF TISSUE ENGINEERING AND REGENERATIVE MEDICINE, vol.4, no.4, pp.284-290, 2010 (Journal Indexed in SCI)
- V. **DNA Binding and Antiproliferative Effects of Some Benzimidazole Retinoids**  
Piskin A. K. , Ates-Alagoz Z., Atac F. B. , Musdal Y., Buyukbingol E.  
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.34, no.1, pp.39-43, 2009 (Journal Indexed in SCI)
- VI. **Photoresponsive peptide-azobenzene conjugates that specifically interact with platinum surfaces**  
Dincer S., Tamerler C., Sarikaya M., Piskin E.  
SURFACE SCIENCE, vol.602, no.10, pp.1757-1762, 2008 (Journal Indexed in SCI)
- VII. **Smart and cationic poly(NIPA)/PEI block copolymers as non-viral vectors: in vitro and in vivo transfection studies**  
Turk M., Dincer S., Piskin E.  
JOURNAL OF TISSUE ENGINEERING AND REGENERATIVE MEDICINE, vol.1, no.5, pp.377-388, 2007 (Journal Indexed in SCI)
- VIII. **Intelligent polymers as nonviral vectors**  
Dincer S., Turk M., Piskin E.  
GENE THERAPY, vol.12, 2005 (Journal Indexed in SCI)
- IX. **In vitro transfection of HeLa cells with temperature sensitive polycationic copolymers**  
Turk M., Dincer S., Yulug I., Piskin E.  
JOURNAL OF CONTROLLED RELEASE, vol.96, no.2, pp.325-340, 2004 (Journal Indexed in SCI)
- X. **Gene delivery: intelligent but just at the beginning**  
Piskin E., Dincer S., Turk M.  
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, vol.15, no.9, pp.1181-1202, 2004 (Journal Indexed in SCI)

- XI. **The association of intrauterine device usage with bacterial vaginosis in a gynecology outpatient clinic in Ankara, Turkey**  
Gozalan A, Zarakolu P, Dincer S, Sovuksu K, Cakir B, Esen B.  
ANNALS OF SAUDI MEDICINE, vol.23, no.5, pp.315-317, 2003 (Journal Indexed in SCI)
- XII. **Poly(N-isopropylacrylamide)/poly[(N-acetylmino)ethylene] thermosensitive block and graft copolymers**  
David G, Alupej V, Simionescu B, Dincer S, Piskin E.  
EUROPEAN POLYMER JOURNAL, vol.39, no.6, pp.1209-1213, 2003 (Journal Indexed in SCI)
- XIII. **Functional bioengineering copolymers. II. Synthesis and characterization of amphiphilic poly(N-isopropyl acrylamide-co-maleic anhydride) and its macrobranched derivatives**  
Kesim H, Rzaev Z, Dincer S, Piskin E.  
POLYMER, vol.44, no.10, pp.2897-2909, 2003 (Journal Indexed in SCI)
- XIV. **Radical copolymerization of N-isopropylacrylamide with anhydrides of maleic and citraconic acids**  
Dincer S, Koseli V, Kesim H, Rzaev Z, Piskin E.  
EUROPEAN POLYMER JOURNAL, vol.38, no.11, pp.2143-2152, 2002 (Journal Indexed in SCI)
- XV. **Influence of post-transplant recombinant human granulocyte colony-stimulating factor administration on peritransplant morbidity in patients undergoing autologous stem cell transplantation**  
Demirer T, Ayli M, Dagli M, Haznedar R, Genc Y, Fen T, Dincer S, Unal E, Gunel N, Seyrek E, et al.  
BRITISH JOURNAL OF HAEMATOLOGY, vol.118, no.4, pp.1104-1111, 2002 (Journal Indexed in SCI)
- XVI. **Observation of phase transition of thermo-responsive poly(NIPA)-PEI block copolymers**  
Zareie M, Dincer S, Piskin E.  
JOURNAL OF COLLOID AND INTERFACE SCIENCE, vol.251, no.2, pp.424-428, 2002 (Journal Indexed in SCI)
- XVII. **A potential gene delivery vector: N-isopropylacrylamide-ethyleneimine block copolymers**  
Dincer S, Tuncel A, Piskin E.  
MACROMOLECULAR CHEMISTRY AND PHYSICS, vol.203, pp.1460-1465, 2002 (Journal Indexed in SCI)
- XVIII. **Effects of some antigenic fractions of Leishmania major on nitric oxide production and IL-12 secretion by murine peritoneal macrophages**  
MIRSHAHIDI S., TURHAN A., Piskin A., IMIR T.  
IMMUNOLOGY LETTERS, vol.60, pp.189-192, 1998 (Journal Indexed in SCI)
- XIX. **Effects of crude antigenic fractions of Leishmania major on natural killer cell cytotoxicity, interferon-gamma and interleukin-4 secretion from peripheral blood lymphocytes of unexposed individuals**  
TURHAN A. K. , MIRSHAHIDI S., Piskin A., CITAK B., IMIR T.  
IMMUNOLOGY LETTERS, vol.55, no.2, pp.115-118, 1997 (Journal Indexed in SCI)
- XX. **RADIOPOLYMERIZED MIXTURE OF ACRYLIC-ACID, METHYL-METHACRYLATE, AND POLYETHYLENE-GLYCOL AS AN ENZYME SUPPORT SYSTEM**  
PISKIN K., ARCA E., PISKIN E.  
APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY, vol.10, pp.73-79, 1984 (Journal Indexed in SCI)
- XXI. **A NEW COMBINED ENZYME-CHARCOAL SYSTEM FORMED BY ENZYME ADSORPTION ON CHARCOAL FOLLOWED BY POLYMER COATING**  
PISKIN K., CHANG T.  
INTERNATIONAL JOURNAL OF ARTIFICIAL ORGANS, vol.3, no.6, pp.344-346, 1980 (Journal Indexed in SCI)

### **Refereed Congress / Symposium Publications in Proceedings**

- I. **Analysis of antiproliferative and antimetastatic effects of nNav 1.5 sodium channel and Notch-4 receptor inhibition**  
Aktas C. C. , ZEYBEK N. D. , ÖZDEN A. K.  
40th Congress of the Federation-of-European-Biochemical-Societies (FEBS) - The Biochemical Basis of Life, Berlin,

Germany, 4 - 09 July 2015, vol.282, pp.322

**II. Gene expression with smart polycationic macromolecules**

Piskin E., Tuerk M., Dincer S.

Conference of the Tissue-Engineering-and-Regenerative-Medicine-International-Society (TERMIS-EU), London, Canada, 4 - 07 September 2007, vol.13, pp.1700

**III. Gene delivery with intelligent polymeric vectors**

Piskin E., Dincer S., Turk M.

2nd European Conference and Practical Course on Towards Clinical Gene Therapy - Preclinical Gene Transfer Assessment, Bellaterra, Spain, 1 - 14 February 2004, vol.11

## Supported Projects

ÖZDEN A. K. , KABAY G., Project Supported by Higher Education Institutions, Prostat kanseri tanısına yönelik anti-PSMA tabanlı kütle hassas immünoşensör geliştirilmesi, 2018 - 2019

ÖZDEN A. K. , Project Supported by Higher Education Institutions, Yapay Hücreler'in 60.cı yıldönümü, XVI ISBS uluslararası kan destekleri ve oksijen terapötikleri ve V ISNS Nanotıp Konferansına davetli konuşmacı olarak katılım, 2017 - 2018

YAVUZ ALAGÖZ H., ÖZDEN A. K. , Project Supported by Higher Education Institutions, Kanser hücreleri ve tümör belirteçleri için etkin biyosensör sistemlerinin geliştirilmesi, 2015 - 2018

ÖZDEN A. K. , Project Supported by Higher Education Institutions, TERMIS (Doku mühendisliği ve Rejeneratif Tıp) Derneğinin Amerika'nın San Diego kentinde 11\_14 Aralık tarihleri arasında yapılacak olan yıllık konferansına poster sunumu ile katılım, 2016 - 2017

ÖZDEN A. K. , Bektaş E., Project Supported by Higher Education Institutions, Meme kanseri hücrelerine mTOR antisens oligonükleotitleri hedefleyecek transferin kaplanmış altın nanopartiküllerin tasarımı sentezi ve uygulanması, 2015 - 2017

ÖZDEN A. K. , TUBITAK Project, Kısa Raf Ömürlü Gıdaların – Et ve Peynir – Paketlenmesinde Kullanılacak AkıllıEtiketler Taşıyan Biyoesaslı/Biyobozunur (Kompost Edilebilir) Antibakteriyal AmbalajFilmlerinin Üretimi, 2015 - 2017

## Citations

Total Citations (WOS):594

h-index (WOS):13