

Prof. ZERRİN SELLER

Personal Information

Office Phone: [+90 222 335 0580](tel:+902223350580) Extension: 3722

Email: zseller@anadolu.edu.tr

Web: <https://avesis.anadolu.edu.tr/zseller>

International Researcher IDs

ORCID: 0000-0001-6042-3812

Publons / Web Of Science ResearcherID: H-4865-2015

Yoksis Researcher ID: 38673

Education Information

Doctorate, University of London, England 1994 - 1997

Postgraduate, University of East Anglia, England 1993 - 1995

Undergraduate, Anadolu University, Fen-Edebiyat Fakültesi, Biyoloji Pr., Turkey 1986 - 1990

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Role of VLA-4-Mediated Signalling in Malignant Melanoma Cell Adhesion and Migration, University of London, 1997

Postgraduate, The effects of N-Ras expression on proliferation and differentiation in a muscle cell line, University of East Anglia, 1995

Research Areas

Basic Pharmaceutics Sciences, Health Sciences, Pharmacology and Therapeutics, Biochemistry

Academic Titles / Tasks

Professor, Anadolu University, ECZACILIK FAKÜLTESİ, TEMEL ECZACILIK BİLİMLERİ BÖLÜMÜ, 2011 - Continues

Associate Professor, Anadolu University, ECZACILIK FAKÜLTESİ, TEMEL ECZACILIK BİLİMLERİ BÖLÜMÜ, 2005 - 2011

Assistant Professor, Anadolu University, ECZACILIK FAKÜLTESİ, TEMEL ECZACILIK BİLİMLERİ BÖLÜMÜ, 1998 - 2005

Academic and Administrative Experience

Anadolu University, 2016 - Continues

Anadolu University, 2001 - Continues

Courses

Sinyal İletim Biyokimyası, Postgraduate, 2018 - 2019

ADEZYON MOLEKÜLLERİ, Postgraduate, 2018 - 2019, 2013 - 2014, 2012 - 2013, 2011 - 2012

Apoptozun Biyolojisi ve Mekanizması, Postgraduate, 2018 - 2019, 2017 - 2018, 2012 - 2013, 2011 - 2012, 2010 - 2011

Biyokimya I, Undergraduate, 2017 - 2018

Apoptozun Biyolojisi ve Mekanizması, Postgraduate, 2017 - 2018

Biyomoleküller, Postgraduate, 2017 - 2018

BİYOKİMYA, Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008

Biyokimyaya Giriş I, Postgraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010

Biyokimyasal Laboratuvar Bulgularının Değerlendirilmesi, Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010

Biyokimyaya Giriş II, Postgraduate, 2012 - 2013, 2010 - 2011, 2009 - 2010

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Aglycemia induces apoptosis under hypoxic conditions in A549 cells**
ÖĞÜNÇ KEÇECİ Y., Incesu Z.
CELL BIOCHEMISTRY AND FUNCTION, vol.42, no.2, 2024 (SCI-Expanded)
- II. **Vincristine and ϵ -viniferine-loaded PLGA-b-PEG nanoparticles: pharmaceutical characteristics, cellular uptake and cytotoxicity**
Ogunc Y., DEMİREL M., YAKAR A., Incesu Z.
JOURNAL OF MICROENCAPSULATION, no.1, pp.38-46, 2017 (SCI-Expanded)
- III. **DETERMINATION OF PHENOLIC COMPOUNDS, CYTOTOXIC, ANTIOXIDANT AND ANTICANDIDAL EFFECTS OF TRIBULUS TERRESTRIS L. (ZYGOPHYLLACEAE)**
KÜÇÜK S., GÖGER F., İŞCAN G., ÖZDEMİR F., KIRIMER N., Incesu Z.
FRESENIUS ENVIRONMENTAL BULLETIN, no.8, pp.5434-5440, 2017 (SCI-Expanded)
- IV. **CYTOTOXICITY SCREENING, ANTIOXIDANT ACTIVITY AND PHENOLIC PROFILE OF TWO SPECIES OF THYMUS ON HUMAN CERVICAL AND OVARIAN CANCER CELLS LINES IN VITRO**
ÖZDEMİR F., KÜÇÜK S., GÖGER F., Incesu Z.
FRESENIUS ENVIRONMENTAL BULLETIN, no.5, pp.3583-3590, 2017 (SCI-Expanded)
- V. **Direct and protective effects of single or combined addition of vincristine and epsilon-viniferin on human HepG2 cellular oxidative stress markers in vitro**
Tarhan S., ÖZDEMİR F., Incesu Z., Demirkan E. S.
CYTOTECHNOLOGY, no.4, pp.1081-1094, 2016 (SCI-Expanded)
- VI. **Preperation and in vitro characterization of epsilon-viniferine and vincristine sulfate loaded PLGA-b-PEG nanoparticles**
Ogunc Y., DEMİREL M., Yakar A., SELLER Z.
ANTI-CANCER DRUGS, 2015 (SCI-Expanded)
- VII. **Synthesis and Evaluation of New Dithiocarbamic Acid 6,11-Dioxo-6,11-dihydro-1H-anthra[1,2-d]-imidazol-2-yl Methyl Esters**
Onder N. I., Incesu Z., ÖZKAY Y.
ARCHIV DER PHARMAZIE, no.7, pp.508-517, 2015 (SCI-Expanded)
- VIII. **EFFECTS ON CASPASES ACTIVATION BY USING A COMBINATION OF CIS-PLATIN WITH E-VINIFERIN IN RAT GLIOMA CELLS**
Mert N. I. O., Sen M., Apaydin E., Incesu Z., ÖZDEMİR F.

ANTICANCER RESEARCH, no.10, pp.6087-6088, 2014 (SCI-Expanded)

- IX. **COMBINED TREATMENT OF CISPLATIN AND epsilon-VINIFERIN INDUCES C6 (RAT GLIOMA) CELL APOPTOSIS IN TIME-DEPENDENT MANNER**
Apaydin E., Ayrim A., Mert N. I. O., Incesu Z., Ozdemir F.
ANTICANCER RESEARCH, no.10, pp.5812-5813, 2014 (SCI-Expanded)
- X. **Towards Novel Anti-tumor Strategies for Hepatic Cancer: epsilon-Viniferin in Combination with Vincristine Displays Pharmacodynamic Synergy at Lower Doses in HepG2 Cells**
ÖZDEMİR F., AKALIN ÇİFTÇİ G., Sen M., Onder N. I., Iscan A., KUTLU H. M., Incesu Z.
OMICS-A JOURNAL OF INTEGRATIVE BIOLOGY, no.5, pp.324-334, 2014 (SCI-Expanded)
- XI. **Effects of fibronectin and type IV collagen on osteosarcoma cell apoptosis**
Incesu Z., Hatipoglu I., SİVAS H., ERGENE E., AKALIN ÇİFTÇİ G.
INDIAN JOURNAL OF EXPERIMENTAL BIOLOGY, no.10, pp.789-796, 2013 (SCI-Expanded)
- XII. **Antimicrobial and anticancer effects of some 2-(substitutedsulfanyl)-N-(5-methyl-isoxazol-3-yl)acetamide derivatives**
ÖZKAY Y., Incesu Z., Onder N. I., TUNALI Y., KARACA H., IŞIKDAĞ İ., Ucucu U.
MEDICINAL CHEMISTRY RESEARCH, no.1, pp.211-218, 2013 (SCI-Expanded)
- XIII. **Anticancer Activity of Some Bisbenzimidazoles**
IŞIKDAĞ İ., ÖZKAY Y., Incesu Z., AKALIN ÇİFTÇİ G.
ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION C-A JOURNAL OF BIOSCIENCES, no.9-10, pp.465-470, 2011 (SCI-Expanded)
- XIV. **Synthesis of 2-substituted-N-[4-(1-methyl-4,5-diphenyl-1H-imidazole-2-yl) phenyl]acetamide derivatives and evaluation of their anticancer activity**
ÖZKAY Y., IŞIKDAĞ İ., Incesu Z., Akalin G.
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, no.8, pp.3320-3328, 2010 (SCI-Expanded)
- XV. **Apoptotic Effects of Some Thiohydantoin Derivatives**
Incesu Z., AKALIN ÇİFTÇİ G.
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, no.3, pp.268-274, 2010 (SCI-Expanded)
- XVI. **Synthesis of some 3,4-disubstituted-6,7-dihydro-imidazo[2,1-b][1,3]thiazole and 3,4-disubstituted-7,8-dihydro-6H-imidazo[2,1-b][1,3]thiazine derivatives and evaluation of their cytotoxicities against F2408 and 5RP7 cells**
MERİÇ A., Incesu Z., Hatipoglu I.
MEDICINAL CHEMISTRY RESEARCH, no.1, pp.30-41, 2008 (SCI-Expanded)
- XVII. **Determination of genotoxic, antigenotoxic and cytotoxic potential of the extract from lichen Cetraria aculeata (Schreb.) Fr. in vitro**
Zeytinoglu H., Incesu Z., Tuylu B. A., Turk A. O., Barutca B.
PHYTOTHERAPY RESEARCH, no.1, pp.118-123, 2008 (SCI-Expanded)
- XVIII. **Antiproliferative effects of some N-benzylideneanilines**
ÖZKAY Y., Incesu Z., IŞIKDAĞ İ., Yesilkaya M.
CELL BIOCHEMISTRY AND FUNCTION, no.1, pp.102-106, 2008 (SCI-Expanded)
- XIX. **Synthesis of some 2,4-di- and 2,3,4-trisubstituted benzimidazo[1,2-a]pyrimidines and evaluation of their cytotoxicities towards F2408 and 5RP7 cells**
Meric A., Incesu Z., Karayel A., Ozbey S.
REVISTA DE CHIMIE, no.11, pp.1090-1097, 2006 (SCI-Expanded)
- XX. **Synthesis and cytotoxic and analgesic activities of some 1,5-diaryl-3-ethoxycarbonylpyrrole derivatives**
DEMİRAYAK Ş., Beis R., KARABURUN A. Ç., Kayagil I., Incesu Z., Ucucu U.
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, no.1, pp.113-118, 2006 (SCI-Expanded)
- XXI. **Modification of intracellular free calcium in cultured F2408 embryo fibroblasts by 3-substituted-2-thiohydantoin derivatives**
Incesu Z., Benkli K., Akalin G., KAPLANCIKLI Z. A.
CELL BIOLOGY INTERNATIONAL, no.4, pp.267-272, 2004 (SCI-Expanded)

- XXII. **Inhibition of DNA synthesis by carvacrol in mouse myoblast cells bearing a human N-RAS oncogene**
Zeytinoglu H., Incesu Z., Baser K.
PHYTOMEDICINE, no.4, pp.292-299, 2003 (SCI-Expanded)
- XXIII. **Synthesis and effects on intracellular calcium of some 1,3-bis-(heteroaryl substituted)benzene derivatives**
Meric A., SELLER Z., Isikdag I.
FARMACO, vol.57, no.7, pp.543-548, 2002 (SCI-Expanded)
- XXIV. **The effects of triazole derivatives in intracellular Ca²⁺ mobilisation in rat embryo fibroblast**
Incesu Z., ÖZTÜRK Y., Demirayak S.
FUNDAMENTAL & CLINICAL PHARMACOLOGY, pp.42, 2001 (SCI-Expanded)

Articles Published in Other Journals

- I. **Determination of cytotoxic, antioxidant activities and LC/MS-MS profiles of three endemic Verbascum L. species**
KÜÇÜK S., HAS M., GÖGER F., ÖZDEMİR F., SELLER Z.
European Journal of Life Sciences, 2023 (Peer-Reviewed Journal)

Expert Reports

- I. **Histoprognotic factors in bladder cancer A case series of 156 patients**
SELLER Z.
2015

Scientific Refereeing

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Anadolu University, Turkey, March 2021
TUBITAK Project, 2247 - A National Leading Researchers Program, TÜBİTAK, Turkey, August 2020