

Prof. FİLİZ ÖZDEMİR

Personal Information

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

Email: fozdemir3@anadolu.edu.tr

Web: [https://Yunus Emre Kampüsü](https://YunusEmreKampusu)

Address: Yunus Emre Kampüsü

International Researcher IDs

ORCID: 0000-0002-3359-4496

Yoksis Researcher ID: 23371

Education Information

Undergraduate, Dicle University, Fen Fakültesi, Kimya Bölümü, Turkey 1984 - 1989

Research Areas

Health Sciences

Academic Titles / Tasks

Assistant Professor, Anadolu University, ECZACILIK FAKÜLTESİ, TEMEL ECZACILIK BİLİMLERİ BÖLÜMÜ, 2006 - Continues

Courses

ECZ317 (Tür) Klinik Biyokimya, Undergraduate, 2016 - 2017

ECZ876 (Tür) X4 Mezuniyet Projesi II, Undergraduate, 2016 - 2017

BYK603 (Tür) Biyolojik Sistemlerde Oksijen Radikaller, Doctorate, 2016 - 2017

BİY790 (Tür) C Te, Postgraduate, 2016 - 2017

ECZ875 (Tür) X4 Mezuniyet Projesi I, Eczacılık Fakültesi, Undergraduate, 2016 - 2017

UBİ701 (Tür) C Uzmanlık Alan Dersi, Postgraduate, 2016 - 2017

ECZ317 Klinik Biyokimya , Undergraduate, 2013 - 2014, 2012 - 2013

ECZ824 Mezuniyet Projesi II (güz), Undergraduate, 2013 - 2014

KİM260 Biyokimya Uygulamaları, Undergraduate, 2013 - 2014, 2012 - 2013

ECZ823 Mezuniyet Projesi I (bahar), Undergraduate, 2013 - 2014, 2012 - 2013

BES613 Egzersiz Biyokimyası, Postgraduate, 2013 - 2014, 2012 - 2013

ECZ824 Mezuniyet Projesi II (bahar), Undergraduate, 2013 - 2014, 2012 - 2013

KİM130 Temel Biyokimya, Associate Degree, 2013 - 2014

KİM263 Temel Biyokimya, Associate Degree, 2013 - 2014

ECZ823 Mezuniyet Projesi I (güz), Undergraduate, 2013 - 2014, 2012 - 2013

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Novel Anti-tumor Strategy for Breast Cancer: Synergistic Role of Oleuropein with Paclitaxel Therapeutic in MCF-7 Cells**
Yilmaz G., ÖZDEMİR F.
ANTI-CANCER AGENTS IN MEDICINAL CHEMISTRY, vol.24, no.3, pp.224-234, 2024 (SCI-Expanded)
- II. **Resveratrol increases the sensitivity of breast cancer MDA-MB-231 cell line to cisplatin by regulating intrinsic apoptosis**
ÖZDEMİR F., Sever A., ÖĞÜNÇ KEÇECİ Y., Incesu Z.
IRANIAN JOURNAL OF BASIC MEDICAL SCIENCES, vol.24, no.1, pp.66-72, 2020 (SCI-Expanded)
- III. **Apoptotic effects of epsilon-viniferin in combination with cis-platin in C6 cells**
ÖZDEMİR F., Apaydin E., Onder N. I., Sen M., Ayrim A., ÖĞÜNÇ KEÇECİ Y., Incesu Z.
CYTOTECHNOLOGY, no.3, pp.1061-1073, 2018 (SCI-Expanded)
- IV. **Techniques for Protein Analysis**
BÜYÜKKÖROĞLU G., DEMİR DORA D., ÖZDEMİR F., Hizel C.
OMICS TECHNOLOGIES AND BIO-ENGINEERING: TOWARDS IMPROVING QUALITY OF LIFE, VOL 1: EMERGING FIELDS, ANIMAL AND MEDICAL BIOTECHNOLOGIES, pp.317-351, 2018 (SCI-Expanded)
- V. **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)
- VI. **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)
- VII. **INCREASED 8-HYDROXYDEOXYGUANOSINE RESPONSES AS A MARKER OF DNA DAMAGE AFTER STRENUOUS ANAEROBIC EXERCISE IN SEDENTARY YOUNG CIGARETTE SMOKERS AND NONSMOKERS**
Cakir-Atabek H., ÖZDEMİR F.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.26, no.10, pp.6127-6134, 2017 (SCI-Expanded)
- VIII. **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)
- IX. **Oxidative stress and antioxidant responses to progressive resistance exercise intensity in trained and untrained males**
Cakir-Atabek H., Ozdemir F., Colak R.
BIOLOGY OF SPORT, no.4, pp.321-328, 2015 (SCI-Expanded)
- X. **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)
- XI. **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)
- XII. **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)
- XIII. **Betaine prevents loss of sialic acid residues and peroxidative injury of erythrocyte membrane in ethanol-given rats**

Kanbak G., Özdemir F., Çalışkan F., Mutlu F., Erden M.
CELL BIOCHEMISTRY AND FUNCTION, vol.25, pp.103-108, 2007 (SCI-Expanded)

- XIV. **Protective role of melatonin and coenzyme Q(10) in ochratoxin a toxicity in rat liver and kidney**
Sutken E., Aral E., Ozdemir F., Uslu S., ALATAŞ İ. Ö., Colak O.
INTERNATIONAL JOURNAL OF TOXICOLOGY, vol.26, no.1, pp.81-87, 2007 (SCI-Expanded)
- XV. **Effects of vitamin E and gemfibrozil on lipid profiles, lipid peroxidation and antioxidant status in the elderly and young hyperlipidemic subjects**
Sütken Demirkan E., Erden M., Özdemir F.
SAUDI MEDICAL JOURNAL, vol.27, no.4, pp.453-459, 2006 (SCI-Expanded)

Articles Published in Other Journals

- I. **Determination of Cytotoxic and Anticandidal Activity of Three Verbascum L Species from Turkey V Cheiranthifolium Boiss Var Asperulum Boiss Murb Monorg V Pynostachyum Boiss Heldr and V Orgyale Boiss Heldr**
KÜÇÜK S., ÖZDEMİR F., İŞCAN G., SELLER Z.
TURKISH JOURNAL OF PHARMACEUTICAL SCIENCES, vol.13, pp.318-322, 2016 (Scopus)
- II. **Determination of Cytotoxic and Anticandidal Activities of Three Verbascum L. Species from Turkey: V-cheiranthifolium Boiss. var. asperulum (Boiss.) Murb. Monorg., V-pycnostachyum Boiss. & Heldr and V-orgyale Boiss. & Heldr**
KÜÇÜK S., ÖZDEMİR F., İŞCAN G., Incesu Z.
TURKISH JOURNAL OF PHARMACEUTICAL SCIENCES, vol.13, no.3, pp.318-322, 2016 (ESCI)
- III. **Implications of enhanced effectiveness of vincristine sulfate e viniferin combination compared to vincristine sulfate only on HepG2 cells**
ÖZDEMİR F., SELLER Z., Şen M., Önder N. İ., DİKMEN M.
Dicle Tıp Dergisi, vol.43, no.4, pp.534-541, 2016 (Peer-Reviewed Journal)
- IV. **Oxidative stress and resistance exercise relation with training status**
Çakır Atabek H., Özdemir F., Çolak R.
GAZZETTA MEDICA ITALIANA ARCHIVIO PER LE SCIENZE MEDICHE, vol.174, no.12, pp.519-527, 2016 (Scopus)
- V. **Implications of enhanced effectiveness of vincristine sulfate viniferin combination compared to vincristine sulfate only on HepG2 cells**
Özdemir F., Incesu Z., Şen M., Önder Mert N. İ., Dikmen M., ÖZDEMİR F.
Dicle Tıp Dergisi, vol.43, no.4, pp.534-541, 2016 (Peer-Reviewed Journal)
- VI. **Lipid Profile and Levels of Homocysteine leptin Fibrinogen and C Reactive Protein in Hyperthyroid Patients Before and After Treatment**
SÜTKEN DEMİRKAN E., AKALIN A., ÖZDEMİR F., Çolak Ö.
Dicle Tıp Dergisi, vol.37, no.1, pp.1-7, 2010 (Peer-Reviewed Journal)
- VII. **C Vitamini İlavesinin Egzersiz Performansına ve Kas Hasarına Etkisi**
ÇAKIR ATABEK H., ÖZDEMİR F.
CBÜ Beden Eğitimi ve Spor Bilimleri, 2010 (Peer-Reviewed Journal)
- VIII. **Diabetik Sıçanlarda L-Karnitin, N-Asetil-β-D-Glukozaminidaz Düzeyleri ve Erken Diabetik Nefropatide Plazma Fibronektinin Rolü**
Sütken Demirkan E., Uslu S., Aral E., Özdemir F., Alataş İ. Ö.
Anadolu Üniversitesi Bilim ve Teknoloji Dergisi :C-Yaşam Bilimleri ve Biyoteknoloji, vol.100, no.2, pp.421-429, 2009 (Peer-Reviewed Journal)
- IX. **IN VITRO EFFECTS OF ETHANOL AND ASPIRIN COMBINED ADMINISTRATION ON ERYTHROCYTE MEMBRANE PROPERTIES**
Kanbak G., Çalışkan F., Özdemir F., Erden M.
Pamukkale Tıp Dergisi, vol.2, no.1, pp.1-7, 2008 (Peer-Reviewed Journal)
- X. **Efficiency of coenzyme Q10 at experimental spinal cord injury**

Kerimoğlu A., Paşaoğlu Ö., Kanbak G., Hancı V., Özdemir F., Atasoy A. M.

Turkish Journal of Trauma & Emergency Surgery, vol.13, no.2, pp.85-93, 2007 (Peer-Reviewed Journal)

XI. **Uzun ve Kısa Süreli Egzersizde Profesyonel Sporcularda Leptin Seviyelerinin İncelenmesi**

Sütken Demirkan E., Özdemir F., Alataş İ. Ö., Tunalı Tokol N., Çolak Ö., Uslu S., Öner K. S.

Türk Klinik Biyokimya Dergisi, vol.4, no.3, pp.115-120, 2006 (Peer-Reviewed Journal)

XII. **Erythrocyte glutathione system and children with Down syndrome**

Erden M., Portakal Akçin O., Özdemir F.

Developmental medicine and child neurology, vol.41, no.2, pp.141-142, 1999 (Peer-Reviewed Journal)

Books & Book Chapters

I. **Techniques for Protein Analysis**

BÜYÜKKÖROĞLU G., DEMİR DORA D., ÖZDEMİR F., HİZEL C. H.

in: Omics Technologies and Bio-engineering Volume 1: Towards Improving Quality of Life, Debmalya Barh and Vasco Azevedo, Editor, Elsevier Inc Academic Press, pp.317-352, 2018

II. **Techniques for Protein Analysis**

BÜYÜKKÖROĞLU G., DEMİR DORA D., ÖZDEMİR F., HİZEL C.

in: Omics Technologies and Bio-engineering Volume 1 :Towards Improving Quality of Life, Debmalya Barh and Vasco Azevedo,, Editor, Elsevier Inc., Academic Press, pp.317-352, 2018

Refereed Congress / Symposium Publications in Proceedings

I. **Investigation of The Effect of Curcumin and Carboplatin Combination on Oxidative Stress Markers in The A549 Cell Line.**

EZER M., ÖZDEMİR F.

International Gevher Nesibe Health Sciences Conference-VII, Turkey, 16 April 2021

II. **Effects of [Carboplatin+Curcumin] Application on Oxidative Stress Index (OSI) in Lung Cancer.**

EZER M., ÖZDEMİR F.

International Gevher Nesibe Health Sciences Conference-VII, Turkey, 16 April 2021

III. **Apoptotic effects of carboplatin, curcumin and their combinations on lung cancer**

ÖĞÜNÇ KEÇECİ Y., ÖZDEMİR F., SELLER Z.

3. International Aegean Symposiums on Natural & Medical Sciences, İzmir, Turkey, 12 - 13 March 2021

IV. **Effects of the combination of [curcumin+carboplatin] on caspase-3 activity and mitochondrial membrane potential in A549 cell line**

ÖZDEMİR F., ÖĞÜNÇ KEÇECİ Y., SELLER Z.

3th International Aegean Symposiums on Natural & Medical Sciences, İzmir, Turkey, 12 - 13 March 2021

V. **Effects of [Curcumin+Carboplatin] Combination on Caspase-3 Activity and Mitochondrial Membrane Potential in A549 Cell Line.**

ÖZDEMİR F., ÖĞÜNÇ KEÇECİ Y., SELLER Z.

International Aegean Symposium on Natural & Medical Sciences., Turkey, 12 March 2021

VI. **Combination Index and Apoptotic Effects of Resveratrol in Combination with Cisplatin on MCF-7 Breast Cancer Cells.**

ÖZDEMİR F., SEVER A.

The 18th Asian Chemical Congress., TAYVAN, 08 December 2019

VII. **Curcumin and Oxidative Stress**

Ezer M., ÖZDEMİR F.

4th International Congress on Applied Biological Sciences (ICABS), 3 - 05 May 2018

VIII. **Caspase Activation and Mitochondrial Membrane Potential on Combination of Cisplatin with Resveratrol in Breast Cancer**

Sever A., ÖZDEMİR F., ÖĞÜNÇ Y., SELLER Z.

4. International Congress on Applied Biological Sciences (ICABS), 3 - 05 May 2018

- IX. **Cytotoxic and apoptotic effects of resveratrol, cisplatin and their combinations on MDA-MB-231 breast adenocarcinoma cells.**
SEVER A., ÖZDEMİR F.
4 th EACR Conference A Matter of Life or Death. From Basic Cell Death Mechanisms to Novel Cancer Treatments,, Netherlands, 01 February 2018
- X. **Evaluation of the Cytotoxic and Apoptotic Activities of Resveratrol, Cisplatin and Their Combination Against MCF-7 Breast Adenocarcinoma**
Sever A., ÖZDEMİR F.
IVEK 3 rd International Convention of Pharmaceuticals and Pharmacies, 26 - 29 April 2017
- XI. **A Novel Approach for Cervical Cancer Treatment Apoptotic Effects of Newly Synthesized Anthraquinone Derivated via Intrinsic Pathway**
Şen M., ÖZDEMİR F., Önder Mert İ. N., SELLER Z.
4 th CCBio Symposium, 10 - 11 May 2016
- XII. **A novel Approach for Cervical Cancer Treatment Apoptotic Effects of Newly Synthesized Anthraquinone Derivative via Intrinsic Pathway**
Şen M., ÖZDEMİR F., Önder Mert N. İ., SELLER Z.
4th Center for Cancer Biomarkers Symposium, 10 - 11 May 2016
- XIII. **Determination of cytotoxic and anticandidal activity of three verbascum L Species from Turkey Verbascum cheiranthifolium BOISS Verbascum pynostachyum BOISS HELDR AND Verbascum orgyale BOISS HELDR**
KÜÇÜK S., İŞCAN G., ÖZDEMİR F., SELLER Z.
International multidisciplinary symposium on Drug Research & Development, 15 - 17 October 2015
- XIV. **Determination of cytotoxic and anticandidal activity of Tribulus terrestris L Zygophyllaceae**
KÜÇÜK S., İŞCAN G., ÖZDEMİR F., SELLER Z.
International multidisciplinary symposium on Drug Research & Development, 15 - 17 October 2015
- XV. **Pharmacobiotechnology towards bioactive natural compounds**
KÜÇÜK S., İŞCAN G., ÖZDEMİR F., SELLER Z.
International multidisciplinary symposium on Drug Research & Development, 15 - 17 October 2015
- XVI. **Determination of Cytotoxic and Anticandidal Activity of Three Verbascum L Species From Turkey: Verbascum Cheiranthifolium Boiss., Verbascum Pynostachyum Boiss. and Heldr and Verbascum Orgyale Boiss.Heldr.**
Küçük S., İşcan G., Özdemir F., Seller Z.
International Multidisciplinary Symposium on Drug Research and Development, Eskişehir, Turkey, 15 - 17 October 2015, pp.164
- XVII. **Investigating The Role of Some Anthraquinone Derivatives on Caspase-8-9 and Mitochondrial Membrane Depolarization on Cervical Carcinoma (HeLa) Cells**
Seller Z., Özdemir F.
International Multidisciplinary Symposium on Drug Research and Development, Eskişehir, Turkey, 15 - 17 October 2015, pp.112
- XVIII. **Combined Treatment of Cisplatin and Viniferin Induces C6 (Rat Glioma) Cell Apoptosis in Time-Dependent Manner**
Seller Z., Özdemir F.
Anticancer Research, Serrai, Greece, 6 - 10 October 2014, pp.5812-5813
- XIX. **Effects of strenuous anaerobic exercise on 8-hydroxydeoxyguanosine in sedentary cigarette smokers and nonsmokers**
Çakır Atabek H., Özdemir F.
Cell Membranes and Free Radical research, Isparta, Turkey, 9 - 12 September 2014, pp.381-382
- XX. **To Investigated of Apoptotic Effects in Hepatoma Cellular Cancer of Vincristine and Viniferin in vitro**
Özdemir F., Dikmen M., Seller Z.

2nd International BAU-Drug Design Symposium, İstanbul, Turkey, 17 - 19 April 2014, pp.153

- XXI. **To investigated of Apoptotic Effects in Hepatoma Cellular Cancer of Vincristine and viniferin in vitro**
ÖZDEMİR F., Şen M., Önder N. İ., DİKMEN M., İncesu Z.

2nd International BAU-Drug Design Symposium, İstanbul, Turkey, 17 - 18 April 2014

- XXII. **The Investigation of Antioxidant Effect of Viniferin alone and with Chemotherapeutic Agent on HepG2 cells**

Özdemir F., Seller Z., Sütken Demirkan E.

EACR Conference Series 2014. Cell Death in Cancer, Amsterdam, Netherlands, 30 January - 01 February 2014, pp.14-15

- XXIII. **Relationship between oxidative stress indices and physical activity status**

ÇAKIR ATABEK H., ÖZDEMİR F., ÇOLAK R., SEVİL G.

XXXII World Congress of Sports Medicine, Roma, Italy, 27 - 30 September 2012

Supported Projects

ÖZDEMİR F., Apoptotik Yolakların İncelenmesi, Continues

AKALIN ÇİFTÇİ G., DİKMEN M., ÖZDEMİR F., Hepatoselüler Karsinomda Oksidatif Stres ve Apoptoz, Continues

ÖZDEMİR F., ÖĞÜNÇ KEÇECİ Y., Project Supported by Higher Education Institutions, Akciğer Kanserinde Kurkumin ve Karboplatin Kombinasyonunun Oksidatif Stres ve Apoptozdaki Rolü, 2018 - 2021

SOYER P., TUNALI Y., KÜÇÜK S., ÖZDEMİR F., GÖGER F., KÜRKÇÜOĞLU M., Project Supported by Higher Education Institutions, Eskişehir İli ve Çevresinde Yayılış Gösteren Bazı Verbascum L. (Sığır kuyruğu) Türleri Üzerinde Taksonomik, Sitotoksik, Antimikrobiyal, Antioksidan Aktivite, Uçucu Bileşikleri ve Toplam Fenol Miktarının Belirlenmesi Çalışmaları, 2019 - 2020

ÖZDEMİR F., ÖĞÜNÇ KEÇECİ Y., Project Supported by Higher Education Institutions, Meme Kanserinde Resveratrol ve Cisplatin Kombine Uygulamasının Apoptozdaki Rolü, 2017 - 2019

ÖZDEMİR F., Project Supported by Higher Education Institutions, MCF-7 Hücrelerinde Oksidatif Hasara Karşı Cis-platin ile Kombinasyonda Resveratrolün Sinerjik Etkisi ve Oksidatif Stres İndeksi, 2017 - 2018

SELLER Z., ÖZDEMİR F., Project Supported by Higher Education Institutions, Antrakininon Türevleri ile Uyarılmış Servikal Adenokarsinoma (HeLa) Hücrelerinde Apoptotik Mekanizmanın Araştırılması, 2015 - 2017

ÖZDEMİR F., GÖGER F., İŞCAN G., Project Supported by Higher Education Institutions, Sarıcakaya (Eskişehir) İlçesi ve Köylerinde Etnobotanik ve Etnofarmakognozok Araştırmalar", 1304S069, 2015 - 2017

KÜÇÜK S., SELLER Z., ERÖZ POYRAZ İ., ÖZDEMİR F., Project Supported by Higher Education Institutions, Sarıcakaya (Eskişehir) İlçesi ve Köylerinde Etnobotanik ve Etnofarmakognozok Araştırmalar, 2013 - 2017

SELLER Z., ÖZDEMİR F., ÖĞÜNÇ KEÇECİ Y., DEMİREL M., Project Supported by Higher Education Institutions, Kombine Vinkristine e Viniferin Yüklü Folik Asit Modified Plga Peg Nanopartikül Sentezi Karakterizasyonu ve in Vitro Ortamda Etkisi, 2016 - 2016

SELLER Z., ÖZDEMİR F., Project Supported by Higher Education Institutions, Kombine Cis Platin ve Viniferin Kullanımının Sıçan Glioma Hücreleri Üzerine Etkileri, 2012 - 2015

ÖZDEMİR F., SEVİL G., Project Supported by Higher Education Institutions, Farklı Şiddetlerde Uygulanan Direnç Egzersizin Oksidatif Strese Etkisinin İncelenmesi ve Egzersiz Oksidatif Stres Laboratuvarın Alt Yapısının Oluşturulması, 2009 - 2011