

Prof. AYSUN ÖZKAN

Personal Information

Office Phone: [+90 242 310 2376](tel:+902423102376) Extension: 2376

Office Phone: [+90 242 310 2364](tel:+902423102364) Extension: 2364

Fax Phone: [+90 242 227 8911](tel:+902422278911)

Email: aozkan@akdeniz.edu.tr

Web: <https://avesis.akdeniz.edu.tr/aozkan>

Address: Akdeniz Üniversitesi, Fen Fakültesi, Biyoloji Bölümü, ANTALYA

International Researcher IDs

ORCID: 0000-0002-9403-3342

Publons / Web Of Science ResearcherID: C-6397-2016

Yoksis Researcher ID: 120243

Education Information

Doctorate, Akdeniz University, Institute of Science, Biology, Turkey 1996 - 2003

Postgraduate, Akdeniz University, Institute of Science, Biyoloji/Zooloji, Turkey 1993 - 1996

Undergraduate, Middle East Technical University, Faculty Of Arts And Sciences, Biyoloji, Turkey 1983 - 1988

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Epirubicin-HCl ve LAK'ın Hepatoma G2 Hücrelerinde Antioksidan Mekanizması ve Radikal Süpürücü Enzimler Üzerine Etkilerinin Araştırılması, Akdeniz University, Faculty of Science, Biyoloji / Moleküler Biyoloji, 2003

Postgraduate, 2,4-D ve Maleik Hidrazid'in Pimpla Turionellae L. (Hymenoptera: Ichneumonidae)'nın Embriyonik Gelişiminde Glikojen Seviyelerine Etkileri , Akdeniz University, Faculty of Science, Biyoloji / Zooloji, 1996

Research Areas

Life Sciences, Biochemistry, Molecular Biochemistry, Molecular Biology and Genetics, Molecular Biology of Cancer, Natural Sciences

Academic Titles / Tasks

Professor, Akdeniz University, Faculty of Science, Department of Biology, 2013 - Continues

Associate Professor, Akdeniz University, Faculty of Science, Department of Biology, 2007 - 2013

Assistant Professor, Akdeniz University, Faculty of Science, Department of Biology, 2005 - 2007

Courses

Biy.Doktora Uzmanlık Alan Dersleri, Doctorate, 2013 - 2014
Bitirme Çalışması I, Undergraduate, 2013 - 2014
Moleküler Genetik, Undergraduate, 2012 - 2013
Yüksek Lisans Danışmanlık, Postgraduate, 2013 - 2014
Doktora Danışmanlık, Doctorate, 2013 - 2014
Reaktif Oksijen Türleri ve Etki Mek, Doctorate, 2013 - 2014
Embriyoloji, Undergraduate, 2013 - 2014
Genel Biyoloji I, Undergraduate, 2013 - 2014
Hayvan Hücre Kültürü, Undergraduate, 2013 - 2014
Moleküler Genetiğin Prensipleri, Postgraduate, 2013 - 2014
Genel Biyoloji Lab I, Undergraduate, 2013 - 2014
Biy.Yük.L. Uzmanlık Alan Dersleri, Postgraduate, 2013 - 2014
Onkojenik Sinyal İletimi, Doctorate, 2012 - 2013
Rekombinant DNA Teknolojisi, Postgraduate, 2012 - 2013
Yaşlanma Hücre Yapısı, Postgraduate, 2012 - 2013
Molecular Cell Biology, Undergraduate, 2012 - 2013
İmmünolojiye Giriş, Undergraduate, 2012 - 2013
Moleküler Genetik Lab., Undergraduate, 2012 - 2013
Nükleik Asit Biyokimyası, Postgraduate, 2011 - 2012
Animal Cell Culture, Undergraduate, 2011 - 2012

Advising Theses

ÖZKAN A., YENİ TANI MULTİPL MİYELOM HASTALARINDA KEMİK İLİĞİNDE CD4+CD25+ FoxP3+ PD-1+ REGÜLATÖR T HÜCRELERİN DÜZEYİNİN VE PD-1, PD-L1 mRNA İFADESİNİN ARAŞTIRILMASI, Doctorate, D.Ekinci(Student), 2017
ÖZKAN A., *Origanum acutidens* (Hand.-Mazz.) letsward. (Lamiaceae) bitkisinden elde edilen uçucu yağın akciğer kanser hücrelerinde apoptotik etkisinin araştırılması, Postgraduate, R.Sümbül(Student), 2016
ÖZKAN A., Cetuximabin tek başına ve Epirubicin ile birlikte parental ve epirubicin dirençli karaciğer kanseri hücrelerinde sitotoksik ve apoptotik etkilerinin araştırılması, Doctorate, A.Erdoğan(Student), 2016
ÖZKAN A., Resveratrolün insan akciğer kanseri hücrelerinde (H1299) antioksidan etkisinin araştırılması., Postgraduate, Ö.Yurdakul(Student), 2015
ÖZKAN A., Cetuximab'ın Tek Başına ve Epirubicin ile Birlikte Parental ve Epirubicin Dirençli Karaciğer Kanseri Hücrelerinde Sitotoksik ve Apoptotik Etkilerinin Araştırılması, Doctorate, A.Erdoğan(Student), 2014
ÖZKAN A., Kekik (*Thymus Revolutus* Celak (Lamiaceae) Bitkisinden Elde Edilen Uçucu Yağın Antioksidan Özelliğinin ve Hepatoma G2 Hücrelerinde Membran Üzerine Etkilerinin Araştırılması, Postgraduate, A.Erdoğan(Student), 2010

Jury Memberships

Post Graduate, Tez Savunma Jürüsü, Fen Bilimleri Enstitüsü, June, 2012
Competition, Orta Öğretim Proje Yarışması, MEB, March, 2011

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The role of salivary galectin-3 and galectin-9 levels in plaque-induced gingivitis and periodontitis**
Barut Z., Nalbantoğlu A. M., Korkmaz H., Demir Z., HATİPOĞLU M., ÖZKAN A., Bulut S.
Heliyon, vol.9, no.9, 2023 (SCI-Expanded)
- II. **ERDOĞAN AYŞE, ÖZKAN AYSUN, "Effects of Epigallocatechin Gallate on the Cytotoxicity of Epirubicin-HCl in Lung Cancer Cells",**

Özkan A., Erdoğan A.

LETTERS IN DRUG DESIGN AND DISCOVERY, vol.20, no.1, pp.77-7787, 2023 (SCI-Expanded)

- III. **Cetuximab and epirubicin HCl-combined application as a possibility to treat both parental and epirubicin HCl-resistant liver cancer cells**
ERDOĞAN A., ÖZKAN A.
BIOLOGIA FUTURA, vol.70, no.3, pp.175-184, 2019 (SCI-Expanded)
- IV. **Enhanced anticancer effect of cetuximab combined with stabilized silver ion solution in EGFR-positive lung cancer cells**
ÖZKAN A., Erdogan A., Ozkan O., Manguoglu E., KIRAZ N.
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.44, no.4, pp.426-437, 2019 (SCI-Expanded)
- V. **Apoptotic effect of essential oils from cultured and wild form of *Origanum acutidens* (Hand.-Mazz.) Ietswaart. (Lamiaceae) on lung cancer cells (A549)**
ÖZKAN A., Erdogan A., DÜLGEROĞLU C.
FEBS OPEN BIO, vol.8, pp.333, 2018 (SCI-Expanded)
- VI. **A comparative study on essential oils compositions and cytotoxic effects of wild and cultured form of *Origanum acutidens* (Hand.-Mazz.) Ietswaart. (Lamiaceae) on H1299 cells**
Dulgeroglu C., Erdogan A., ÖZKAN A.
FEBS OPEN BIO, vol.8, pp.278, 2018 (SCI-Expanded)
- VII. **Investigation of Antioxidative, Cytotoxic, Membrane-Damaging and Membrane-Protective Effects of The Essential Oil of *Origanum majorana* and its Oxygenated Monoterpene Component Linalool in Human-Derived Hep G2 Cell Line**
Erdogan A., ÖZKAN A.
IRANIAN JOURNAL OF PHARMACEUTICAL RESEARCH, vol.16, pp.24-34, 2017 (SCI-Expanded)
- VIII. **Evaluation of cytotoxic, membrane, and DNA damaging effects of *Thymus revolutus* Celak essential oil on different cancer cells**
ÖZKAN A., Erdogan A.
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.47, no.2, pp.702-714, 2017 (SCI-Expanded)
- IX. **A comparative study of cytotoxic, membrane and DNA damaging effects of *Origanum majorana*'s essential oil and its oxygenated monoterpene component linalool on parental and epirubicin-resistant H1299 cells**
Erdogan A., ÖZKAN A.
BIOLOGIA, vol.68, no.4, pp.754-761, 2013 (SCI-Expanded)
- X. **Membrane and DNA damaging/protective effects of eugenol, eucalyptol, terpinen-4-ol, and camphor at various concentrations on parental and drug-resistant H1299 cells**
ÖZKAN A., Erdogan A.
TURKISH JOURNAL OF BIOLOGY, vol.37, no.4, pp.405-413, 2013 (SCI-Expanded)
- XI. **Effects of *Thymus revolutus* Celak essential oil and its two major components on Hep G2 cells membrane**
Erdogan A., ÖZKAN A.
BIOLOGIA, vol.68, no.1, pp.105-111, 2013 (SCI-Expanded)
- XII. **A Comparative Study of the Antioxidant/Prooxidant Effects of Carvacrol and Thymol at Various Concentrations on Membrane and DNA of Parental and Drug Resistant H1299 Cells**
Ozkan A., Erdogan A.
NATURAL PRODUCT COMMUNICATIONS, vol.7, no.12, pp.1557-1560, 2012 (SCI-Expanded)
- XIII. **Antioxidant and anticancer activity of fresh corm extract from *Romulea tempskyana* (Iridaceae)**
ÖZKAN A., Erdogan A.
NATURAL PRODUCT RESEARCH, vol.26, no.22, pp.2126-2128, 2012 (SCI-Expanded)
- XIV. **A comparative evaluation of antioxidant and anticancer activity of essential oil from *Origanum onites* (Lamiaceae) and its two major phenolic components**
ÖZKAN A., Erdogan A.
TURKISH JOURNAL OF BIOLOGY, vol.35, no.6, pp.735-742, 2011 (SCI-Expanded)

- XV. **Antioxidant capacity of juice from different papaya (*Carica papaya* L.) cultivars grown under greenhouse conditions in Turkey**
ÖZKAN A., GÜBBÜK H., Gunes E., Erdogan A.
TURKISH JOURNAL OF BIOLOGY, vol.35, no.5, pp.619-625, 2011 (SCI-Expanded)
- XVI. **Antitumoral and antioxidant effect of essential oils and in vitro antioxidant properties of essential oils and aqueous extracts from *Salvia pisidica***
Özkan A., Erdogan A., Sokmen M., Tugrulay S., Ünal O.
BIOLOGIA, vol.65, no.6, pp.990-996, 2010 (SCI-Expanded)
- XVII. **Antioxidant and anticancer activity of essential oil from *Origanum onites* (Lamiaceae)**
ÖZKAN A., Erdogan A., Trak N. G.
TOXICOLOGY LETTERS, vol.196, 2010 (SCI-Expanded)
- XVIII. **Lymphokine-activated killer cell susceptibility in epirubicin-resistant and parental human non-small cell lung cancer (NSCLC)**
Ozkan A.
BIOLOGIA, vol.62, no.2, pp.232-237, 2007 (SCI-Expanded)
- XIX. **Effect of vitamin E and selenium on antioxidant enzymes in brain, kidney and liver of cigarette smoke-exposed mice**
Ozkan A., Fiskin K., Ayhan A. G.
BIOLOGIA, vol.62, no.3, pp.360-364, 2007 (SCI-Expanded)
- XX. **Protective effect of antioxidant enzymes against drug cytotoxicity in MCF7 cells**
ÖZKAN A., FIŞKIN K.
EXPERIMENTAL ONCOLOGY, vol.28, no.1, pp.86-88, 2006 (SCI-Expanded)
- XXI. **Investigation of protective effects of selenium and vitamin e against DNA oxidation, membrane damage and alteration of COMT metabolism in smoke-exposed male mice (*Mus musculus*, Balb/c)**
Fiskin K., Ozkan A., Ayhan A. G.
ACTA BIOLOGICA HUNGARICA, vol.57, no.4, pp.403-413, 2006 (SCI-Expanded)
- XXII. **Combined effect of epirubicin and lymphokine-activated killer cells on the resistant human breast cancer cells**
Ozkan A., Ayhan A. G., Fiskin K.
CELL BIOLOGY AND TOXICOLOGY, vol.20, no.5, pp.261-271, 2004 (SCI-Expanded)
- XXIII. **Epirubicin HCl toxicity in human liver-derived hepatoma G2 cells**
Ozkan A., Fiskin K.
POLISH JOURNAL OF PHARMACOLOGY, vol.56, no.4, pp.435-444, 2004 (SCI-Expanded)
- XXIV. **Effects of 2,4-D and maleic hydrazide on the glycogen level in the embryonic development of *Pimpla turionellae* (L.) (Hym., Ichneumonidae)**
Ozkan A., Yanikolu A.
JOURNAL OF APPLIED ENTOMOLOGY-ZEITSCHRIFT FÜR ANGEWANDTE ENTOMOLOGIE, vol.123, no.4, pp.211-216, 1999 (SCI-Expanded)

Articles Published in Other Journals

- I. **Selective cytotoxic effects of nitrogen-doped graphene coated mixed iron oxide nanoparticles on HepG2 as a new potential therapeutic approach**
Demir Z., Sungur B., Bayram E., Özkan A.
Discover Nano, vol.19, no.1, 2024 (Scopus)
- II. **Evaluation of the cytotoxic and membrane damaging effects of mountain tea (*Sideritis stricta* Boiss & Heldr.) essential oil on parental and epirubicin-HCl resistant H1299 cells**
Erdogan A., Özkan A., Ünal O., Dülgeroğlu C.
CUKUROVA MEDICAL JOURNAL, vol.43, no.3, pp.669-677, 2018 (ESCI)
- III. **Role of CD4+ regulatory T cells in multiple myeloma**

Ekinci D., ÖZKAN A.

CUKUROVA MEDICAL JOURNAL, vol.42, no.3, pp.546-551, 2017 (ESCI)

- IV. **Comparison of cellular responses of parental and epirubicin-resistant non-small cell lung cancer cells against stabilized-ag ion solution induced injury**

Erdogan A., Ozkan O., KIRAZ N., ÖZKAN A.

CUKUROVA MEDICAL JOURNAL, vol.41, no.1, pp.74-81, 2016 (ESCI)

- V. **Moleküler Hedefli Anti-Kanser Ajan Kombinasyonlarını Optimize Etmek İçin Stratejiler**

ERDOĞAN A., ÖZKAN A.

ARŞIV KAYNAK TARAMA DERGİSİ, vol.24, pp.432-451, 2015 (Peer-Reviewed Journal)

- VI. **Nanotechnological Applications in Cancer Treatment and Tumor Imaging**

ERDOĞAN A., ÖZKAN A.

Archives Medical Review Journal, vol.22, no.3, pp.425-439, 2013 (Peer-Reviewed Journal)

- VII. **Protective effect of selenium and vitamin E on lipid peroxidation in smoke exposed mice.**

FIŞKIN K., ÖZKAN A., Ayhan A. G.

e-Türk Biyokimya Dergisi (elektronik), vol.30, no.3, pp.232-235, 2005 (Peer-Reviewed Journal)

- VIII. **Serbest radikaller, karsinogenez ve antioksidan enzimler**

ÖZKAN A., FIŞKIN K.

TÜRK HEMATOLOJİ ONKOLOJİ DERGİSİ, vol.14, no.1, pp.52-60, 2004 (Peer-Reviewed Journal)

- IX. **Cytotoxicities of low dose epirubicin-HCl combining lymphokine activated killer cell against hepatocellular carcinoma cell line hepatoma G2.**

ÖZKAN A., FIŞKIN K.

Turkish Journal of Medical Sciences, vol.34, pp.11-19, 2004 (Scopus)

- X. **Epirubicin-HCl cytotoxicity in non-small cell lung cancer (NSCLC) cells.**

ÖZKAN A., FIŞKIN K.

TÜRK HEMATOLOJİ ONKOLOJİ DERGİSİ, vol.13, no.3, pp.125-133, 2003 (Peer-Reviewed Journal)

- XI. **Mitochondrial DNA and Cancer.**

Ayhan A. G., ÖZKAN A., FIŞKIN K.

The Turkish Journal of Hematology and Oncology, vol.14, no.4, pp.232-240, 2001 (Peer-Reviewed Journal)

- XII. **Determination of Free Radical Scavenger Enzymes Activities in Chemical Purpose Applied Epidemic population of Dociostaurus (D) maroccanus.**

ÖZKAN A., Gündüz G., Çıplak B., FIŞKIN K.

Turkish Journal of Biology, vol.24, pp.141-149, 2000 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Investigation of Apoptotic Potential of Catechol in Drug-Resistant Lung Cancer and Healthy Fibroblast Cells**

Demir Z., Özkan A.

3rd International Multidisciplinary Cancer Research Congress, İstanbul, Turkey, 7 - 10 September 2023, pp.70

- II. **Grafen ve türevlerinin HepG2 hücreleri üzerindeki en etkili sitotoksik etkisinin doz ve zamana bağlı değerlendirilmesi**

Demir Z., Sungur B., Bayram E., Özkan A.

25. Ulusal Biyoloji Kongresi, İzmir, Turkey, 13 July - 15 September 2023, pp.173

- III. **Adıyaman ve Gümüşhane illerinden toplanan Vaccaria hispanica (mill.) Rauschert bitkilerinin tohum ekstraktları'nın akciğer kanseri hücrelerinin membranı üzerine etkileri**

Özkan A., Demir Z., Erdoğan A.

25. Ulusal Biyoloji Kongresi, İzmir, Turkey, 13 - 15 September 2023, pp.174-175

- IV. **Investigation of Apoptotic Potential of Catechol in Lung Cancer and Healthy Fibroblast Cells**

Özkan A., Demir Z.

MolBiyKon'22 8. International Congress of the Molecular Biology Association of Turkey, İstanbul, Turkey, 9 - 12

June 2022, pp.139

- V. **Comparison of Cytotoxic Effects of Essential Oil Obtained from *Origanum majorana* (L.) Plant on Epidermoid Carcinoma Cells (A431)**
Onsinejad T., Özkan A., Demir Z.
8th International Congress of the Molecular Biology Association of Turkey (MolBiyokon) , İstanbul, Turkey, 9 - 12 June 2022, pp.159-160
- VI. ***Pyrofomes demidoffii* (Lév.) Kotl. Pouzar mantarının A431 ve Bj Fibroblast hücreleri üzerine etkisinin araştırılması**
ÇIRÇIRLI B., ERASLAN E. C., ÖZKAN A., AKGÜL H.
2. ULUSLARARASI 23 NİSAN BİLİMSEL ÇALIŞMALAR KONGRESİ, Ankara, Turkey, 23 - 26 April 2020
- VII. **SUILLUS LUTEUS'UN TERAPÖTİK ÖZELLİKLERİ**
Özkan A.
II. ULUSLARARSI 23 NİSAN BİLİMSEL ÇALIŞMALAR KONGRESİ, Ankara, Turkey, 23 - 26 April 2020, pp.11
- VIII. **YENİ TANI MULTİPL MİYELOM HASTALARINDA KEMİK İLİĞİNDE PD1+ TREGLERİN DÜZEYİ VE PD1, PDL1 MRNA İFADESİNİN ARAŞTIRILMASI**
Ekinci D., ÖZKAN A., TOYLU A., SALİM O., Ulubahşi Balcı M., ÜNDAR L.
45. Ulusal Hematoloji Kongresi, Antalya, Turkey, 30 October - 02 November 2019, pp.169-170
- IX. **Comparison of PD1+ Regulatory T Cells Level at Bone Marrow in New Diagnosis Multiple Myeloma and Idiopathic Thrombocytopenic Purpura Patients**
ÖZKAN A., Ekinci D., SALİM O., TOYLU A., Ulubahşi Balcı M., ÜNDAR L.
Fifth International Mediterranean Congress on Natural Science, Health Science and Engineering (MENSEC V), Budapeşte, Hungary, 10 - 12 September 2019, vol.-, pp.183
- X. **Effects of Cetuximab and Stabilized Silver Solution on Cell Cycle in Lung Cancer Cells**
Erdoğan A., ÖZKAN A., Özkan Ö., MANGUOĞLU A. E., KİRAZ N.
1st Eurasia Biochemical Approaches & Technologies (EBAT) Congress, Antalya, Turkey, 27 - 30 October 2018, pp.21
- XI. **Prooxidant And Antioxidant Effect Of Root Extract Obtained From *Gypsophila bicolor* (Caryophyllaceae) In Lung And Epidermoid Cancer Cells**
Demir Z., ÖZKAN A., ÇAM İ. B., ARI E.
1st Eurasia Biochemical Approaches & Technologies (EBAT) Congress, Antalya, Turkey, 27 - 30 October 2018, pp.133
- XII. **Azot Katkılı Grafen (N- Grafen), İndirgenmiş Grafen Oksit (r-Grafen Oksit) ve İlaç Katkılı Grafenin (Epirubicin-Grafen) A431 (Epidermal Karsinom) / A549 (Akciğer Kanseri) Hücre Dizileri Üzerindeki Antikanser Etkilerinin Karşılaştırılması**
Çırçırılı B., ÖZKAN A., BAYRAM E., Kızıl Ç., Girişken H., Özcan G.
1st Eurasia Biochemical Approaches & Technologies (EBAT) Congress, Antalya, Turkey, 27 - 30 October 2018, pp.50
- XIII. **Saponinlerin Antioksidan Etki Mekanizmalarının Araştırılması**
Demir Z., ÖZKAN A.
24. Ulusal Biyoloji Kongresi, Manisa, Turkey, 10 - 14 September 2018, pp.80
- XIV. **Apoptotic effect of essential oils from cultured and wild form of *Origanum acutidens* (Hand.-Mazz.) Ietswaart. (Lamiaceae) on lung cancer cells (A549)**
ÖZKAN A., ERDOĞAN A., DÜLGEROĞLU C.
43rd Federation of European Biochemical Societies (FEBS) congress, Prag, Czech Republic, 7 - 12 July 2018, vol.8, pp.333
- XV. **MULTİPL MİYELOMDA PD1/PDL1 İNHİBİTÖRLERİ**
Ekinci D., ÖZKAN A.
1st INTERNATIONAL HEALTH SCIENCE AND LIFE CONGRESS (IHSLC 2018), Burdur, Turkey, 2 - 05 May 2018, pp.323
- XVI. **REGÜLATÖR T HÜCRE İMMÜNİTESİ**
ÖZKAN A., Ekinci D.

1st INTERNATIONAL HEALTH SCIENCE AND LIFE CONGRESS (IHSLC 2018)0, Burdur, Turkey, 2 - 05 May 2018, pp.41-42

XVII. TİMOL VE KARVAKROLUN A431 (EPİDERMAL KARSİNOM) HÜCRELERİNİN HÜCRE ZARI ÜZERİNE PROOKSİDAN ve ANTİOKSİDAN ETKİSİNİN ARAŞTIRILMASI

Çırçırılı B., ÖZKAN A.

1st INTERNATIONAL HEALTH SCIENCE AND LIFE CONGRESS (IHSLC 2018), Burdur, Turkey, 2 - 05 May 2018, pp.172-173

XVIII. YENİ TANI MULTİPL MİYELOM HASTALARINDA KEMİK İLİĞİNDE CD4+CD25+ FOXP3+ PD-1+ REGÜLATÖR T HÜCRELERİN DÜZEYİNİN BELİRLENMESİ

Ekinci D., ÖZKAN A., SALİM O., TOYLU A., Ulubahşi Balcı M., ÜNDAR L.

1st INTERNATIONAL HEALTH SCIENCE AND LIFE CONGRESS (IHSLC 2018), Burdur, Turkey, 2 - 05 May 2018, pp.167

XIX. Saponinlerin Antikanser Etki Mekanizmalarının Araştırılması

Demir Z., ÖZKAN A.

1st INTERNATIONAL HEALTH SCIENCE AND LIFE CONGRESS (IHSLC 2018), Burdur, Turkey, 2 - 05 May 2018, pp.166

XX. Cytotoxic effect of epirubicin-HCl on parental and epirubicin-HCl resistant liver cancer cells

ERDOĞAN A., ÖZKAN A.

6th International Molecular Biology and Biotechnology Congress, Afyonkarahisar, Turkey, 22 - 25 December 2017, vol.1, pp.13

XXI. Investigation of the antioksidant effect of resveratrol on human lung cancer cells

ÖZKAN A., Yurdakul Ö.

6th International Molecular Biology and Biotechnology Congress, Afyonkarahisar, Turkey, 22 - 25 December 2017, vol.1, pp.82

XXII. Cytotoxicity of cetuximab in parental and epirubicin resistant liver cancer cells

ERDOĞAN A., ÖZKAN A.

International Congress on Cancer and Ion Channels, Şanlıurfa, Turkey, 21 - 23 September 2017, pp.131

XXIII. Yeni Bis-sülfid ve Bis-sülfon Bileşiklerinin Sentezi ve Sitotoksik Aktivitelerinin İncelenmesi

BİÇER A., TURGUT CİN G., Gültekin M. S., Erdoğan A., Özkan A.

5. İlaç Kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi, Üretimi ve Standardizasyonu Kongresi, Antalya, Turkey, 30 March - 02 April 2017, pp.22

XXIV. Prooxidant and antioxidant properties of oxygenated monoterpene linalool in Hep G2 cells

ÖZKAN A., Erdogan A.

41st FEBS Congress on Molecular and Systems Biology for a Better Life, Kusadasi, Turkey, 3 - 08 September 2016, vol.283, pp.394

XXV. Stabilized-Silver Ion Solution Enhances Cetuximab Cytotoxicity in Lung and Epidermoid Carcinoma Cells

ERDOĞAN A., ÖZKAN A., MANGUOĞLU AYDEMİR A. E., KİRAZ N., Özkan Ö.

4th Inter. Congress of the Molecular Biology Association of Turkey, Ankara, Turkey, 27 - 29 November 2015, pp.77

XXVI. Combined effect of Cetuximab and Stabilized- Ag ion solution on epirubicin-resistant human Non-Small Cell Lung Cancer (NSCLC) comparing with parental cells

ÖZKAN A., ERDOĞAN A., MANGUOĞLU AYDEMİR A. E., KİRAZ N.

40 th FEBS Congress, Berlin, Germany, 4 - 09 July 2015, pp.248

XXVII. Cytotoxicity of Cetuximab in Lung Cancer Lines Expressing Different Level of EGFR

ERDOĞAN A., ÖZKAN A.

III. International Congress of the Molecular Biology Association, İzmir, Turkey, 10 - 12 September 2014, pp.162

XXVIII. Anticancer effect of essential oil of Thymus Revolutus Celak, Endemic to the Antalya, Turkey.

ÖZKAN A., ERDOĞAN A.

ISEEP-2013 (International Symposium on Ecology and Environmental Problems, Turkey, 1 - 04 August 2014, pp.81

XXIX. Sideritis stricta (Lamiceae) Bitkisinden Elde Edilen Uçucu Yağının Akciğer Kanseri Hücre Dizisinde Antikanser Etkisinin Araştırılması

ÖZKAN A., ERDOĞAN A., ÜNAL O.

22. Ulusal Biyoloji Kongresi, Eskişehir, Turkey, 23 - 27 June 2014, pp.1303

- XXX. **Effects of stabilized-Ag ion solution on 8-OHdG and MDA levels in different human lung cancer cells (H1299)**

ÖZKAN A., Ozkan O., Erdogan A., KİRAZ N.

38th Congress of the Federation-of-European-Biochemical-Societies (FEBS), Saint Peter, Guernsey And Alderney, 6 - 11 July 2013, vol.280, pp.305

- XXXI. **Parental and Epirubicin resistant H1299 cells showed different sensitivity to Origanum majorana (O. Majorana) L. Essential oil and its oxygenated component linalool**

ERDOĞAN A., ÖZKAN A.

1st International Congress of the Molecular Biology Association of Turkey, İstanbul, Turkey, 23 - 24 November 2012, pp.85

- XXXII. **Comparative Evaluation of Membrane Damaging/Protective Effects of Essential Oil from Origanum majorana and Linalool**

ERDOĞAN A., ÖZKAN A.

21. Ulusal Biyoloji Kongresi, İzmir, Turkey, 3 - 07 September 2012, pp.1386

- XXXIII. **Effects of essential oil from Thymus Revolutus Celak (Lamiceae) and its two main componenets on membrane of Hep G2 cells**

ERDOĞAN A., ÖZKAN A.

XII. Tıbbi Biyoloji ve Genetik Kongresi, Antalya, Turkey, 27 - 30 October 2011, pp.63

- XXXIV. **Antioxidant and anticancer activity of essential oil from Origanum onites (Lamiaceae)**

ÖZKAN A., ERDOĞAN A., Trak N. G.

XII International Congress of Toxicology, Barcelona, Spain, 19 - 23 July 2010, pp.131-132

- XXXV. **Antioxidant properties and cytotoxic effects of essential oils from Salvia pisidica L. on hepatoma G2 cells**

ÖZKAN A., ERDOĞAN A.

34th Congress of the Federation-of-European-Biochemical-Societies, Czech Republic, vol.276

- XXXVI. **Antioxidant properties and cytotoxic effects of essential oils from Salvia pisidica L. on hepatoma G2 cells**

ÖZKAN A., ERDOĞAN A.

34th Congress of the Federation-of-European-Biochemical-Societies, Czech Republic, 1 - 04 July 2009, vol.276, pp.333

- XXXVII. **Investigation of antioxidant enzymes activity and LAK and epirubicin cytotoxicity in epirubicin resistant and parental human-liver derived hepatoma G2 cells**

ÖZKAN A., FIŞKIN K.

13th Biennial Meeting of the Society-for-Free-Radical-Research-International, Davos, Switzerland, 15 - 19 August 2006, vol.40

- XXXVIII. **Kimyasal mücadele uygulanmış Dociostaurus maroccanus Thunberg epidemik populasyonundan alınan örneklerde antioksidan enzim aktiviteleri. Serbest Radikaller ve Antioksidanlar**

ÖZKAN A., GÜNDÜZ G., ÇIPLAK B., FIŞKIN K.

Araştırma Derneği I. Ulusal Kongresi, Antalya, Turkey, 30 October - 03 November 1997, vol.1, no.1, pp.1

Other Publications

- I. **Combined effect of Cetuximab and Stabilized-Ag ion solution on epirubicin-resistant human Non-Small Cell Lung Cancer (NSCLC) comparing with parental cells**

ÖZKAN A., ERDOĞAN A., MANGUOĞLU AYDEMİR A. E., KİRAZ N.

Other, pp.248-48, 2015

- II. **Effects of stabilized-Ag ion solution on 8-OHdG and MDA levels in different human lung cancer cells (H1299)**

ÖZKAN A., ÖZKAN Ö., ERDOĞAN A., KİRAZ N.

Other, pp.305, 2013

III. **Antalya bilim ve teknoloji müzesi neden kurulmalı?**

YÜCEL M. B., ÖZKAN A.

Other, pp.63-66, 2012

IV. **Antioxidant and anticancer activity of essential oil from *Origanum onites* (Lamiaceae)**

ÖZKAN A., ERDOĞAN A., Trak N. G.

Other, pp.131-132, 2010

V. **Antioxidant properties and cytotoxic effects of essential oils from *Salvia pisidica* L. on hepatoma G2 cells**

ÖZKAN A., ERDOĞAN A.

Other, pp.333, 2009

VI. **Investigation of antioxidant enzymes activity and LAK and epirubicin cytotoxicity in epirubicin resistant and parental human-liver derived hepatoma G2 cells**

ÖZKAN A., FIŞKIN K.

Other, pp.169, 2006

VII. **Investigation of antioxidant enzymes activity and LAK and epirubicin cytotoxicity in epirubicin resistant and parental human-liver derived hepatoma G2 cells**

ÖZKAN A., FIŞKIN K.

Other, pp.169, 2006

Supported Projects

Özkan A., Erdoğan A., Demir Z., Project Supported by Higher Education Institutions, Ülkemizin Dört Farklı İlinden Toplanan *Vaccaria hispanica* Mill Rauschert Bitkilerinin Doğal ve Kültüre Formlarından Elde Edilen Tohum Ekstraktlarının Parental ve Epirubicin Dirençli Akciğer Kanseri Hücreleri Üzerine Apoptotik Etkilerinin Karşılaştırılması, 2021 - 2023

ÖZKAN A., Demir Z., Project Supported by Higher Education Institutions, Katekolün Parental ve Epirubicin Dirençli Akciğer Kanseri Hücrelerinde Apoptozisi Hangi Sinyal Yoluile Uyardığının Araştırılması, 2022 - 2022

Özkan A., Çırcırlı B., Project Supported by Higher Education Institutions, *Phellinus igniarius* (L.) Quél ve *Phellinus torulosus* (Pers.) Bourdot & Galzin türlerinden elde edilen ekstraktların akciğer epidermoid karsinoma hücrelerinin membranı üzerine prooksidan ve antioksidan etkilerinin araştırılması, 2020 - 2021

Özkan A., Erdoğan Gökhan A., Project Supported by Higher Education Institutions, Epigallocateşin Gallat'xtn A549 Akciğer Kanseri Hücrelerindeki Epirubicin-HCl'xxnin Sitotoksitesitesi Üzerine Etkilerinin Araştırılması, 2019 - 2020

Erdoğan A., Özkan A., TUBITAK Project, *Origanum acutidens* (Hand.-Mazz.) letsward. (Lamiaceae) bitkisinin doğal ve kültüre formlarından elde edilen uçucu yağların epidermoid kanseri (A431) hücreleri üzerinde apoptotik ve membra membran üzerine etkilerinin araştırılması, 2019 - 2020

ÖZKAN A., KİRAZ N., ERDOĞAN A., Project Supported by Higher Education Institutions, Comparison Of Cellular Responses Of Parental And EpirubicinResistant NonSmall Cell Lung Cancer Cells Against StabilizedAg Ion Solution Induced Injury, 2018 - 2020

ÖZKAN A., TOYLU A., SALİM O., EKİNCİ D., BAĞCI M. U., Project Supported by Higher Education Institutions, YENİ TANI MULTİPL MİYELOM HASTALARINDA KEMİK İLİĞİNDE CD4CD25FoxP3PD1 REGÜLATÖR T HÜCRELERİN DÜZEYİNİN VE PD1/PDL1 mRNA İFADESİNİN ARAŞTIRILMASI, 2017 - 2020

ÖZKAN A., ERDOĞAN A., DÜLGEROĞLU C., Project Supported by Higher Education Institutions, *Origanum acutidens* (Hand.-Mazz.) letsward. (Lamiaceae) bitkisinin doğal ve kültüre formlarından elde edilen uçucu yağların akciğer kanser hücreleri üzerine sitotoksik ve apoptotik etki mekanizmalarının karşılaştırılması, 2017 - 2019

Özkan A., Çırcırlı B., TUBITAK Project, Timol ve karvakrolun epidermoid karsinoma (A431) ve fibroblast (BJ) hücrelerinde antioksidan/prooksidan etkilerinin araştırılması, 2017 - 2018

Özkan A., Yurdakul Ö., Project Supported by Higher Education Institutions, Resveratrolün insan akciğer kanseri hücrelerinde H1299 antioksidan etkisinin araştırılması, 2014 - 2017

ÖZKAN A., ERDOĞAN A., Project Supported by Higher Education Institutions, Membrane and DNA damagingprotective effects of eugenol eucalyptol terpinen4ol and camphor at various concentrations on parental and drugresistant H1299 cells, 2014 - 2016

Özkan A., Erdoğan A., Project Supported by Higher Education Institutions, Cetuximab ın Tek Başına ve Epirubicin ile Birlikte Parental ve Epirubicin Dirençli Karaciğer Kanseri Hücrelerinde Sitotoksik ve Apoptotik Etkilerinin Araştırılması, 2014 - 2016

Özkan A., Manguoğlu A. E., Kiraz N., Gökhan A., Project Supported by Higher Education Institutions, Cetuximab ın Tek Başına ve Stabilize Gümüş Çözeltileri ile Birlikte Akciğer Kanseri Hücrelerinde Sitotoksik ve Apoptotik Etkilerinin ve Etki Mekanizmasının Araştırılması, 2013 - 2015

Özkan A., Gökhan A., Project Supported by Higher Education Institutions, Kekik Thymus revolutus Célak Lamiaceae Bitkisinden Elde Edilen Uçucu Yağın Antioksidan Özelliğinin ve Hepatoma G2 Hücrelerinde Membran Üzerine Etkilerinin Araştırılması, 2009 - 2010

FİŞKIN K., ÖZKAN A., TUBITAK Project, Pasif sigara içici erkek ve dişi Swiss albino farelerde Se ve E Vitamininin DNA hasar önlenmesinde sinerjistik etkilerinin moleküler ve biyokimyasal tekniklerle incelenmesi., 2005 - 2006

Özkan A., Fışkın K., Project Supported by Higher Education Institutions, Pasif sigara içici erkek swis albino farelerde selenium ve E vitamininin DNA hasar önlenmesinde sinerjistik etkilerinin moleküler ve biyokimyasal tekniklerle incelenmesi, 2003 - 2006

Özkan A., Fışkın K., Project Supported by Higher Education Institutions, Epirubicin HCI ve LAK ın hepatoma G2 hücrelerinde antioksidan mekanizması ve radikal süpürücü enzimleri üzerine etkilerinin araştırılması, 2001 - 2003

ÖZKAN A., EU Supported Other Project, Hepatoma G2 hücrelerinde GST-Pi, P-glikoprotein ve cytochrome P450 3A4 ekspresyonu, (UNESCO destekli), 2001 - 2002

ÖZKAN A., EU Supported Other Project, Transgenik fare modelinde Bcl-2 nin antioksidan mekanizma ile ilişkilendirilmesi, 2000 - 2001

ÖZKAN A., TUBITAK Project, Chorthippus (Ortheptero, Acrididae) cinsinin 5 türünde izoenzim dağılımlarının elektroforetik analizleri. (TBAG-1490)(1.9.1996 / 1.9.1999) (10 000 YTL), 1996 - 1999

Activities in Scientific Journals

Proceedings of Anticancer Research, Committee Member, 2018 - Continues

Memberships / Tasks in Scientific Organizations

Moleküler Biyoloji Derneği, Member, 2011 - Continues

FEBS, Member, 2010 - Continues

Kanser Araştırma Derneği, Member, 2007 - Continues

Serbest Radikaller ve Antioksidanlar Derneği, Member, 2001 - 2009

Scientific Refereeing

TUBITAK Project, May 2013

Türk Biyoloji Dergisi, National Scientific Refreed Journal, April 2013

Natural Product Research, SCI Journal, February 2013

Natural Product Research, SCI Journal, January 2013

Natural Product Research, SCI Journal, February 2012

Journal of Biologiactal Regulation and Homeostasi, SCI Journal, January 2012

Anadolu Üniversitesi Bilim ve Teknoloji Dergisi, National Scientific Refreed Journal, June 2006

Scientific Consultations

MEB, Other, Akdeniz University, Faculty Of Science, Department of Biology, Turkey, 2007 - 2007

Metrics

Publication: 81

Citation (WoS): 292

Citation (Scopus): 313

H-Index (WoS): 9

H-Index (Scopus): 9

Congress and Symposium Activities

2. Çırçırılı, B., Özkan, A., Yücel, G. (2020). Timol ve karvakrol'un A549 hücreleri üzerine sitotoksik ve antioksidan etkisinin araştırılması, 2. International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech), 7-9 Ekim, Gaziantep, Türkiye, 42. sayfa (Sözlü Bildiri), Attendee, Gaziantep, Turkey, 2020

Çırçırılı, B., Özkan, A., Akgül, H., Doğan, H.H. (2020). Terfezia boudieri Chatin metanol ve su ekstraktlarının A431 hücre dizileri üzerine etkilerinin araştırılması, 2. International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech), 7-9 Ekim, Gaziantep, Türkiye, 43. Sayfa (Sözlü Bildiri), Attendee, Gaziantep, Turkey, 2020

Çırçırılı, B., Eraslan, E.C., Özkan, A. (2020). Suillus luteus'un terapötik özellikleri, II.Uluslararası 23 Nisan Bilimsel Çalışmalar Kongresi, 23-26 Nisan, Ankara-Türkiye, 127-132. sayfa (Sözlü Bildiri), Attendee, Ankara, Turkey, 2020

Çırçırılı, B., Eraslan, E.C., Özkan, A., Akgül, H. (2020). Pyrofomes demidoffii (Lév.) Kotl. & Pouzar mantarının A431 ve B1 Fibroblast hücreleri üzerine etkisinin araştırılması, II.Uluslararası 23 Nisan Bilimsel Çalışmalar Kongresi, 23-26 Nisan, Ankara-Türkiye, 167-168. sayfa (Sözlü Bildiri), Attendee, Ankara, Turkey, 2020

Çırçırılı, B., Özkan, A., Özcan, G., Demirci, G. (2020). Investigation of cytotoxic effects of gold, silver and gold-silver nanoparticles synthesized in Pelargonium sidoides root extract on H1299 cell line, 3. International Eurasian Conference on Biological and Chemical Sciences (eurasianbiochem), 19-20 March, Ankara- Turkey, 87. pages, Attendee, Ankara, Turkey, 2020

Çırçırılı, B., Özkan, A., Akgül, H. (2020). Phellinus igniarius (L.) Quél türünden elde edilen metanol ve su ekstraktlarının A431 hücre dizisi üzerine prooksidan ve antioksidan etkilerinin araştırılması, 3. International Eurasian Conference on Biological and Chemical Sciences (eurasianbiochem), 19-20 Mart, Ankara-Türkiye, 87. sayfa (Sözlü Bildiri), Attendee, Ankara, Turkey, 2020

45. Ulusal Hematoloji Kongresi, Antalya, Türkiye, 30 Ekim – 2 Kasım 2019., Attendee, Antalya, Turkey, 2019

Fift International Mediterranean Congress on Natural Sciences and Engineering (MENSEC V), Attendee, Budapest, Hungary, 2019

Çırçırılı, B., Özkan, A., Bayram, E., Kızıl, Ç., Girişken, H., Özcan, G. (2018). Comparison of anticancer effects of nitrogen doped graphene, reduced graphene oxide and drug doped graphene on cancer cell lines, 1. Euroasia Biochemical Approaches and Technologies Congress (EBAT), 27-30 October 2018, Antalya, Turkey, Abstract Book, 50. page (Oral Presentation). 1st Eurasia Biochemical Approaches & Technologies (EBAT) Congress, Attendee, Antalya, Turkey, 2018

24. Ulusal Biyoloji Kongresi, Attendee, Manisa, Turkey, 2018

FEBS, Biochemistry Forever, Attendee, Praha, Czech Republic, 2018

Çırçırılı, B., Girişken, H., Erdoğan, A., Özkan, A. (2018). Timol ve karvakrolun A431 (epidermal karsinom) hücrelerinin hücre zarı üzerine prooksidan ve antioksidan etkisinin araştırılması, 1. International Health Science and Life Congress (IHSLC), 02-05 May 2018, Burdur, Türkiye, Bildiri Kitabı, 172. sayfa (Sözlü Bildiri), Attendee, Burdur, Turkey, 2018

First International Health Science and Life Congress (Sözlü sunum Birincilik Ödülü), Attendee, Burdur, Turkey, 2018

VI International Molecular Biology and Biotechnology Congress, Attendee, Afyon, Turkey, 2017

1. Uluslararası Kanser ve İyon Kanalları Kongresi, Attendee, Şanlıurfa, Turkey, 2017

5. İlaç Kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi, Üretimi ve Standardizasyonu Kongresi, Attendee, Antalya, Turkey,

2017

41st Federation of European Biochemical Societies (FEBS) congress, Attendee, Aydın, Turkey, 2016
4th International Congress of The Molecular Biology Association, Attendee, Ankara, Turkey, 2015
40. Congress of the Federation-of-European-Biochemical-Societies (FEBS), Attendee, Berlin, Germany, 2015
3rd International Congress of the Molecular Biology Association of Turkey., Attendee, İzmir, Turkey, 2014
22. Ulusal Biyoloji Kongresi., Attendee, Eskişehir, Turkey, 2014
TÜBİTAK, Panelists, Ankara, Turkey, 2013
ISEEP, Attendee, Antalya, Turkey, 2013
ISEEP-2013, Session Moderator, Antalya, Turkey, 2013
38th Congress of the Federation-of-European-Biochemical-Societies (FEBS), Attendee, Saint Petersburg, Russia, 2013
1st International Congress of the Molecular Biology Association of Turkey., Attendee, İstanbul, Turkey, 2012
21. Ulusal Biyoloji Kongresi., Attendee, İzmir, Turkey, 2012
TÜBİTAK, Panelists, Ankara, Turkey, 2012
TÜBİTAK, Panelists, Ankara, Turkey, 2012
TBAG, Panelists, Ankara, Turkey, 2011
XII. Ulusal Tıbbi Biyoloji ve Genetik Kongresi. 27-30 Ekim 2011, Antalya, Türkiye, Attendee, Antalya, Turkey, 2011
TÜBİTAK, Panelists, Ankara, Turkey, 2010
XII International Congress of Toxicology. Barcelona, Spain, Attendee, Barcelona, Spain, 2010
TÜBİTAK, Panelists, Ankara, Turkey, 2010
34th Congress of the Federation-of-European-Biochemical-Societies (FEBS), Attendee, Prague, Czech Republic, 2009
13th Biennial Meeting of the Society-for-Free-Radical-Research-International, Attendee, Davos, Switzerland, 2006
18. Ulusal Biyoloji Kongresi., Attendee, Aydın, Turkey, 2006
Deney Hayvanları, Attendee, Antalya, Turkey, 2003
XV. Ulusal Kanser Kongresi., Attendee, Antalya, Turkey, 2003
16. Ulusal Biyoloji Kongresi, Attendee, Malatya, Turkey, 2002
Free Radicals, Attendee, Tel Aviv, Israel, 2001
Molecular Techniques in Plant Genetics, Workshop, Attendee, Antalya, Turkey, 2000
The 4th Congress of Toxicology in Developing Countries., Attendee, Antalya, Turkey, 1999
Gen and Protein Molecular Biology workshop, Attendee, Kocaeli, Turkey, 1999
14. Ulusal Biyoloji Kongresi., Attendee, Samsun, Turkey, 1998
Serbest Radikal ve Antioksidanlar I. Ulusal Kongresi., Attendee, Antalya, Turkey, 1997
Moleküler Biyoloji Teknikleri, Attendee, Antalya, Turkey, 1996

Scholarships

Unesco-MCBN Short Term Fellowship, UNESCO, 2001 - Continues
Scientific Exchange Fellowship., Other International Organizations, 2000 - Continues

Awards

ÖZKAN A., Sözlü bildiri sunumu Birincilik Ödülü (Yeni Tanı Multiple Miyelom Hastalarında Kemik İliğinde CD4+CD25+ FOXP3+ PD-1+ Regülatör T hücrelerin düzeyinin belirlenmesi), First International Health Science and Life Congress, May 2018