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Education Information

Doctorate, Eskişehir Osmangazi University, Fen Bilimleri Enstitüsü, Biyoloji (Dr), Turkey 1996 - 2002

Postgraduate, Eskişehir Osmangazi University, Fen Bilimleri Enstitüsü, Biyoloji (YI) (Tezli), Turkey 1993 - 1996

Undergraduate, Anadolu University, Faculty Of Arts And Sciences, Biyoloji Pr., Turkey 1989 - 1993

Research Areas

Natural Sciences

Academic Titles / Tasks

Professor, Eskişehir Osmangazi University, Fen Fakültesi, Biyoloji Bölümü, 2018 - Continues

Assistant Professor, Eskişehir Osmangazi University, Fen Fakültesi, Biyoloji Bölümü, 2007 - 2012

Research Assistant, Eskişehir Osmangazi University, Fen Fakültesi, Biyoloji Bölümü, 1994 - 2007

Advising Theses

ÖZTOPCU VATAN A. P., İki farklı benzimidazolyum bileşiğinin sitotoksik ve apoptotik etkilerinin prostat kanseri (Du145) hücre dizisinde araştırılması, Postgraduate, E.SARILAR(Student), 2019

ÖZTOPCU VATAN A. P., Benzimidazolyum bromür türevlerinin hücre canlılığı ve apoptoz üzerindeki etkilerinin hücre kültürü yöntemiyle belirlenmesi, Postgraduate, E.GÖLEBATMAZ(Student), 2019

ÖZTOPCU VATAN A. P., Borotungstat bileşiğinin insan prostat kanseri (LNCaP) hücre dizisi üzerindeki sitotoksik ve apoptotik etkilerinin incelenmesi, Postgraduate, E.GÖZDE(Student), 2019

ÖZTOPCU VATAN A. P., Borotungstat'ın akciğer kanseri hücre dizileri üzerindeki sitotoksik ve apoptotik etkilerinin belirlenmesi, Postgraduate, H.UĞURLUGÜNGÖR(Student), 2019

ÖZTOPCU VATAN A. P., Deguelinin insan servikal karsinoma (HeLa) hücre dizisi üzerindeki antiproliferatif ve apoptotik etkilerinin araştırılması, Postgraduate, M.GÜNİNDİ(Student), 2018

ÖZTOPCU VATAN A. P., Seranib-2'nin akciğer kanseri hücre dizileri üzerindeki sitotoksik ve apoptotik etkilerinin belirlenmesi, Postgraduate, M.YILDIZ(Student), 2016

ÖZTOPCU VATAN A. P., Fisetin'in hücre çoğalması ve apoptoz üzerindeki etkisinin insan glioblastoma multiforme (T98G) hücre dizisinde araştırılması, Postgraduate, F.PAK(Student), 2016

ÖZTOPCU VATAN A. P., Kurşun (Pb) ve bakır (Cu) ağır metal stresi uygulanan enginar (Cynara scolymus L.) tohumlarının fidelerinde oluşan DNA değişikliklerinin belirlenmesi, Postgraduate, M.BURAK(Student), 2014

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Predicting the potential implications of perch (*Perca fluviatilis*) introductions to a biodiversity-rich lake using stable isotope analysis**
Tarkan A. S., Haubrock P. J., AKSU S., Mol O., Balzani P., EMİROĞLU Ö., KÖSE E., KURTUL I., Başkurt S., Çınar E., et al.
Scientific Reports, vol.13, no.1, 2023 (SCI-Expanded)
- II. **Phenotypic responses to piscivory in invasive gibel carp populations**
Tarkan A. S., Mol O., AKSU S., KÖSE E., Kurtul I., Baskurt S., Haubrock P. J., Balzani P., Cinar E., Britton J. R., et al.
AQUATIC SCIENCES, vol.85, no.3, 2023 (SCI-Expanded)
- III. **Fisetin effects on cell proliferation and apoptosis in glioma cells**
Pak F., Oztopcu-Vatan P.
ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION C-A JOURNAL OF BIOSCIENCES, vol.74, pp.295-302, 2019 (SCI-Expanded)
- IV. **The investigation of ceranib-2 on apoptosis and drug interaction with carboplatin in human non small cell lung cancer cells in vitro**
Yildiz-Ozer M., Oztopcu-Vatan P., KUŞ G.
CYTOTECHNOLOGY, vol.70, no.1, pp.387-396, 2018 (SCI-Expanded)
- V. **Comparison of a ceramidase inhibitor (ceranib-2) with C2 ceramide and cisplatin on cytotoxicity and apoptosis of glioma cells**
KUŞ G., Ozkurt M., Oztopcu Vatan P., ERKASAP N., Uyar R., KABADERE S.
TURKISH JOURNAL OF BIOLOGY, vol.42, no.3, pp.259-265, 2018 (SCI-Expanded)
- VI. **Screening of antimicrobial, cytotoxic effects and phenolic compounds of the moss *Aulacomnium androgyne* (Hedw.) schwagr (Bryophyta)**
Oztopcu-Vatan P., Savaroglu F., FİLİK İŞÇEN C., Kabadere S., Ozturk N., İlhan S.
Journal of Animal and Plant Sciences, vol.27, no.6, pp.1909-1917, 2017 (SCI-Expanded)
- VII. **Licofelone Inhibits Proliferation of Rat Hepatoma Cells**
Oztopcu-Vatan P., KUŞ G., Man E., Korkut M. G., Kabadere S., Uyar R.
PAKISTAN JOURNAL OF ZOOLOGY, vol.49, no.3, pp.811-817, 2017 (SCI-Expanded)
- VIII. **The syntheses, characterization, antimicrobial, DNA cleavage and cytotoxic activities of novel terephthalato complexes**
Yildiz O., ÇOLAK A. T., Yilmaz M., İÇA T., Oztopcu-Vatan P., Topaloglu E., ÇOLAK F.
JOURNAL OF MOLECULAR STRUCTURE, vol.1127, pp.668-674, 2017 (SCI-Expanded)
- IX. **Synthesis and evaluation of naphthalene-based thiosemicarbazone derivatives as new anticancer agents against LNCaP prostate cancer cells**
ALTINTOP M. D., SEVER B., ÖZDEMİR A., Kus G., Oztopcu-Vatan P., KABADERE S., KAPLANCIKLİ Z. A.
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.31, no.3, pp.410-416, 2016 (SCI-Expanded)
- X. **Cytotoxic and apoptotic effects of menadione on rat hepatocellular carcinoma cells**
Oztopcu-Vatan P., Sayitoglu M., Gunindi M., Inan E.
CYTOTECHNOLOGY, vol.67, no.6, pp.1003-1009, 2015 (SCI-Expanded)
- XI. **Ceranib-2 inhibits the proliferation and induces apoptosis of glioma cells in vitro**
KABADERE S., KUŞ G., Oztopcu-Vatan P., Uyar R.
ACTA PHYSIOLOGICA, vol.215, pp.121, 2015 (SCI-Expanded)
- XII. **Determination of proliferation effect of deguelin on glioma cell lines**
Oztopcu-Vatan P., KABADERE S., Uyar R., Korkut M. G.
ACTA PHYSIOLOGICA, vol.215, pp.121-122, 2015 (SCI-Expanded)
- XIII. **Licofelone abolishes survival of carcinogenic fibroblasts by inducing apoptosis**
KABADERE S., KUŞ G., Uyar R., Oztopcu-Vatan P.

DRUG AND CHEMICAL TOXICOLOGY, vol.37, no.1, pp.1-7, 2014 (SCI-Expanded)

- XIV. **CYTOTOXIC AND APOPTOTIC FUNCTIONS OF LICOFELONE ON RAT GLIOMA CELLS**
KUŞ G., Oztopcu-Vatan P., Uyar R., KABADERE S.
ACTA BIOLOGICA HUNGARICA, vol.64, no.4, pp.438-452, 2013 (SCI-Expanded)
- XV. **Pyridine-2,5-dicarboxylate complexes with 2,2'-bipyridine and Co(II), Zn(II), Cu(II): syntheses, characterization, antimicrobial, and cytotoxic effects**
ÇOLAK A. T., ÇOLAK F., Oztopcu-Vatan P., Akduman D., KABADERE S., Uyar R.
MEDICINAL CHEMISTRY RESEARCH, vol.22, no.9, pp.4376-4383, 2013 (SCI-Expanded)
- XVI. **Syntheses, characterization, antimicrobial and cytotoxic activities of pyridine-2,5-dicarboxylate complexes with 1,10-phenanthroline**
ÇOLAK A. T., Oztopcu-Vatan P., ÇOLAK F., Akduman D., KABADERE S., Uyar R.
JOURNAL OF TRACE ELEMENTS IN MEDICINE AND BIOLOGY, vol.27, no.4, pp.295-301, 2013 (SCI-Expanded)
- XVII. **QUERCETIN BOTH PARTIALLY ATTENUATES HYDROGEN PEROXIDE-INDUCED TOXICITY AND DECREASES VIABILITY OF RAT GLIAL CELLS**
KABADERE S., Oztopcu-Vatan P., Uyar R., Durmaz R.
ACTA BIOLOGICA HUNGARICA, vol.62, no.3, pp.221-227, 2011 (SCI-Expanded)
- XVIII. **ANTIMICROBIAL AND ANTIPROLIFERATIVE ACTIVITIES OF *Homalothecium sericeum* (Hedw.) Schimp. EXTRACTS**
Oztopcu-Vatan P., Savaroglu F., FİLİK İŞÇEN C., KABADERE S., İLHAN S., Uyar R.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.20, pp.461-466, 2011 (SCI-Expanded)
- XIX. **Determination of antimicrobial and antiproliferative activities of the aquatic moss *Fontinalis antipyretica* Hedw.**
Savaroglu F., FİLİK İŞÇEN C., ÖZTOPCU VATAN A. P., KABADERE S., İLHAN S., Uyar R.
TURKISH JOURNAL OF BIOLOGY, vol.35, no.3, pp.361-369, 2011 (SCI-Expanded)
- XX. **The effect of pretreatment or combined treatment of quercetin on menadione toxicity in rat primary mixed glial cells in vitro**
Oztopcu-Vatan P., KABADERE S., Uyar R.
CYTOTECHNOLOGY, vol.61, pp.11-16, 2009 (SCI-Expanded)
- XXI. **The actions of leptin on survival and hydrogen peroxide toxicity in primary mixed glial cells of rat**
Kabadere S., Kus G., Uyar R., Oztopcu-Vatan P., Erkasap N., KURT H., Gunes H. V.
BIOLOGIA, vol.62, no.6, pp.793-797, 2007 (SCI-Expanded)
- XXII. **Comparison of vitamins K1, K2 and K3 effects on growth of rat glioma and human glioblastoma multiforme cells in vitro.**
Oztopcu P., KABADERE S., Mercangöz A., Uyar R.
Acta neurologica Belgica, vol.104, no.3, pp.106-110, 2004 (SCI-Expanded)
- XXIII. **Comparison of the antiproliferative properties of antiestrogenic drugs (nafoxidine and clomiphene) on glioma cells in vitro.**
Yaz G., Kabadere S., Oztopcu P., Durmaz R., Uyar R.
American journal of clinical oncology, vol.27, no.4, pp.384-8, 2004 (SCI-Expanded)
- XXIV. **MgSO₄ and lazaroïd (U-83836E) partially protects glioma cells against glutamate toxicity in vitro.**
KABADERE S., ÖZTOPCU P., Korkmaz S., Erol K., Uyar R.
Acta neurobiologiae experimentalis, vol.64, no.4, pp.461-6, 2004 (SCI-Expanded)

Articles Published in Other Journals

- I. **High trophic similarity between non-native common carp and gibel carp in Turkish freshwaters: Implications for management**
AKSU S., EMİROĞLU Ö., Balzani P., Britton J. R., KÖSE E., KURTUL I., Başkurt S., Mol O., Çınar E., Haubrock P. J., et al.
Aquaculture and Fisheries, 2023 (Scopus)
- II. **Determination of Antiproliferative Effects of Exopolysaccharides from Six Mushroom Species on**

Glioma Cells

Can Ş., ÖZTOPCU VATAN A. P., KABADERE S., YAMAÇ M., UYAR R.

CUMHURİYET SCIENCE JOURNAL, vol.43, no.3, pp.365-369, 2022 (Peer-Reviewed Journal)

- III. **Invasive freshwater jellyfish has become established in artificial impoundments of Anatolian Peninsula**
KİLLİ N., AKSU S., Kabadayı S. Ö., başkurt s., EMİROĞLU Ö., ÖZTOPCU VATAN A. P., KURTUL I., AKSAN S., TARKAN A. S.
Turkish Journal of Bioscience and Collections, 2021 (Peer-Reviewed Journal)
- IV. **Some Biological Activities of the Moss Brachythecium populeum (Hedw.) Bruch, Schimp. & W.Gumbel (Bryophyta)**
Kabadere S., Birgi F., Oztopcu-Vatan P., Filik İşçen C., İlhan S.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.34, no.2, pp.327-333, 2021 (ESCI)
- V. **INVESTIGATION OF GYNOGENETIC REPRODUCTION POTENTIAL AND SOME BIOECOLOGICAL PROPERTIES OF *Cobitis simplicispina* Hankó, 1925 IN KARGIN STREAM (PORSUK STREAM)**
Başkurt S., ÖZTOPCU VATAN A. P., AKSU S., EMİROĞLU Ö.
International Journal of Natural and Engineering Sciences, vol.14, no.2, pp.41-48, 2020 (Peer-Reviewed Journal)
- VI. **Gynogenetic Reproduction Potential of Invasive *Carassius gibelio* in Ula Pond**
Başkurt S., ÖZTOPCU VATAN A. P., EMİROĞLU Ö., AKSU S.
International Journal of Natural and Engineering Sciences, vol.14, no.1, pp.8-10, 2020 (Peer-Reviewed Journal)
- VII. **Ceranib-2 has Cytotoxic Effects on Human Bronchial Epithelial Cells in vitro**
ÖZTOPCU VATAN A. P., YILDIZ OZER M.
Research Journal of Biology Sciences, vol.12, no.1, pp.30-33, 2019 (Peer-Reviewed Journal)
- VIII. **Cytotoxic Effects of Crocin on Glioma Cells**
ÖZTOPCU VATAN A. P.
International Journal of Natural and Engineering Sciences, vol.13, no.3, pp.83-86, 2019 (Peer-Reviewed Journal)
- IX. **Screening of antimicrobial, cytotoxic effects and phenolic compounds of the moss *Dicranum scoparium***
BİRGİ F., ÖZTOPCU VATAN A. P., KABADERE S., ÖZTÜRK N., İLHAN S., FİLİK İŞÇEN C.
Biological Diversity and Conservation, vol.11, no.1, pp.87-94, 2018 (Peer-Reviewed Journal)
- X. **Determination of Growth Inhibitory and Apoptotic Effects of Protocatechuic Acid on Prostate Carcinoma Cells**
ÖZTOPCU VATAN A. P., İnan E.
Biological Diversity and Conservation, vol.11, no.1, pp.80-86, 2018 (Peer-Reviewed Journal)
- XI. **Time dependent cytotoxic role of *Homalothecium sericeum* extracts on glioma**
ÖZTOPCU VATAN A. P., KABADERE S., UYAR R., SAVAROĞLU F., KUŞ G.
Biological Diversity and Conservation, vol.5, no.1, pp.1-4, 2012 (Peer-Reviewed Journal)
- XII. **STUDY OF MORPHOLOGICAL CELL MOTILITIES ON CULTURED FIBROBLASTS AND MYOBLAST CELLS IN VITRO**
Melih Z., ÖZTOPCU VATAN A. P.
ANADOLU ÜNİVERSİTESİ BİLİM VE TEKNOLOJİ DERGİSİ, vol.4, no.2, pp.287-294, 2003 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **HAYVANSAL HÜCRE KÜLTÜRÜNÜN TARİHÇESİ HÜCRE KÜLTÜRÜ KAVRAMI**
ÖZTOPCU VATAN A. P.
in: Fen Bilimleri & Matematikte Araştırma ve Değerlendirmeler, Dayangaç Alpaslan, Akgül Hasan, Mustafa Sevindik, Editor, Gece Kitaplığı, Ankara, pp.119-136, 2022
- II. **ÇEVRESEL KIRLETİCİLERDEN BİRİ OLAN ASBESTİN İNSAN SAĞLIĞI ÜZERİNDEKİ OLUMSUZ ETKİLERİ**
ÖZTOPCU VATAN A. P.
in: Fen Bilimleri ve Matematikte Araştırma ve Değerlendirmeler - II Aralık 2021, Akgül Hasan, Dayangaç Alpaslan,

Refereed Congress / Symposium Publications in Proceedings

- I. **Determination of Proliferative and Apoptotic Effects of Protocatechuic Acid on Glioma Cells**
İnan E., ÖZTOPCU VATAN A. P.
3th IPSAT Congress, Afyon, Turkey, 18 - 21 December 2019, vol.2, pp.44-50
- II. **Determination of the Combined Drug Interaction of Borotungstate Agent and Carboplatin on A549 Lung Carcinoma**
ÖZTOPCU VATAN A. P., Uğurlugüngör H.
INTERNATIONAL EURASIAN CONFERENCE ON BIOLOGICAL AND CHEMICAL SCIENCES, 26 February - 27 December 2018
- III. **Antiproliferative Activity of the moss Sciuro-Hypnum populeum (Hedw.) Ignatov and Huttunen (BRYOPHYTA)**
ÖZTOPCU VATAN A. P., SAVAROĞLU F., KABADERE S.
International Congress on Plant Science and Technology (IPSAT), 21 - 25 August 2017
- IV. **Crosin Has Cytotoxic Effects on Glioma Cell Lines**
ÖZTOPCU VATAN A. P.
International Congress on Plant Science and Technology (IPSAT), 21 - 25 August 2017
- V. **Deguelin has Apoptotic Effects on Glioma Cells**
ÖZTOPCU VATAN A. P.
International Congress on Plant Science and Technology (IPSAT), 21 - 25 August 2017
- VI. **Antiproliferative Activity of Aulacomnium androgynum extracts on Glioma Cells in Vitro**
ÖZTOPCU VATAN A. P., KABADERE S., SAVAROĞLU F.
38th World Congress of the International Union of Physiological Sciences (IUPS), 1 - 05 August 2017
- VII. **DETERMINATION OF ANTIPROLIFERATIVE EFFECTS OF EXOPOLYSACCHARIDES FROM THREE EDIBLE MUSHROOM SPECIES**
KABADERE S., ÖZTOPCU VATAN A. P., YAMAÇ M.
38th World Congress of the International Union of Physiological Sciences, 1 - 05 August 2017
- VIII. **Determination of Antiproliferative Effects of Exopolysaccharides ferom Three Edible Mushroom Species**
KABADERE S., ÖZTOPCU VATAN A. P., YAMAÇ M.
LII. Congress of the Brazilian Society of Physiology, 1 - 05 August 2017
- IX. **The novel terephthalato complexes have cytotoxic activities of on human prostate cancer cell lines**
ÖZTOPCU VATAN A. P., Yıldız Ö., ÇOLAK A. T.
3rd INTERNATIONAL CONGRESS on APPLIED BIOLOGICAL SCIENCES, 9 - 12 July 2017
- X. **Cytotoxic and Morphologic effects of new synthetic borotungstate agent on A549 cells**
ÖZTOPCU VATAN A. P., Uğurlugüngör H., Kanar E., OLGUN A., ÇOLAK A. T.
3rd INTERNATIONAL CONGRESS on APPLIED BIOLOGICAL SCIENCES, 9 - 12 July 2017
- XI. **Determination of antiproliferative effects of Dicranum scoparium Hedw. moss extracts**
ÖZTOPCU VATAN A. P., SAVAROĞLU F., KABADERE S.
5. Çevre Günleri Uluslararası Sempozyum, Ankara Üniversitesi, 8 - 09 June 2017
- XII. **Asbestos, one of the enviromental pollutants, has negative effects on human health**
ÖZTOPCU VATAN A. P.
5. Çevre Günleri Uluslararası Sempozyumu, Ankara Üniversitesi, 8 - 09 June 2017
- XIII. **THE INVESTIGATING OF ANTIPROLIFERATIVE EFFECTS OF CERANIB-2 ONHUMAN LUNG EPITHELIAL ADENOCARCINOMA CELLS IN VITRO**
ÖZTOPCU VATAN A. P., YILDIZ M., KUŞ G.
6th International Congress of Molecular Medicine., 22 - 25 May 2017
- XIV. **Cytotoxic,Morphologic and apoptotic Effets pf Protocatechuic Acid on DU145 Cell Line**

ÖZTOPCU VATAN A. P., İnan E.

1st International Congress on Medicinal and Aromatic Plants, 9 - 12 May 2017

XV. Determination of apoptotic effects of fisetin on malignant glial cells

ÖZTOPCU VATAN A. P., Pak F.

1st International Congress on Medicinal and Aromatic Plants, 9 - 12 May 2017

XVI. Effects of Fisetin on Glioma Cell Proliferation and Apoptosis

ÖZTOPCU VATAN A. P., PAK F.

6.Multidisipliner Kanser Araştırma Kongresi, 27 - 30 October 2016

XVII. Determination of apoptotic effect of deguelin on glioma cell lines

ÖZTOPCU VATAN A. P., KABADERE S.

6. Multidisipliner Kanser Araştırma Kongresi, 27 - 30 October 2016

XVIII. Effects of Borotungstate Agent on Cell Survival and morphology in Non Small cancer Cell Line

ÖZTOPCU VATAN A. P., UĞURLUGÜNGÖR H., KANAR E., OLGUN A., ÇOLAK A. T.

1. International Cell Death Research Congress, 4 - 07 May 2016

XIX. Synthesis and in vitro effects of new thiosemicarbazone derivatives against LNCaP cancer cells

SEVER B., ALTINTOP M. D., KUŞ G., ÖZTOPCU VATAN A. P., KABADERE S., KAPLANCIKLİ Z. A.

V. International Congress of Molecular Medicine, 20 - 22 May 2015, pp.62

XX. Synthesis and in vitro effects of new thiosemicarbazone derivatives as new anticancer agnets against LNCap prostate cancer cells

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XXI. THE EXAMİNATION OF PROTECTİVE EFFECTS OFGALLİC ACİD AGAİNST DAMAGE OF OXİDATİVE STRESSDURİNG INDUCED EXPERİMENTALRENAL İSCHEMİAREPERFÜSİONIN RATS

CANBEK M., BAYRAMOĞLU G., ŞENTÜRK H., ÖZTOPCU VATAN A. P., UYANOĞLU M., CEYHAN E., Özen A., Durmuş B., Kazım K., KANBAK G.

INTERNATIONAL CONFERENCE„MEDICINAL AND AROMATIC PLANTS IN GENERATING OF NEWVALUES IN 21ST CENTURY”, 9 - 15 November 2011

Supported Projects

ÖZTOPCU VATAN A. P., Özkan B., Project Supported by Higher Education Institutions, Renal iskemi reperfüzyon hasarı ile indüklenen hücre ölümü ile ilişkili sırasında seçilen miRNAların düzeylerinin zamana bağlı değişimlerinin belirlenmesi, 2022 - 2023

Aksu S., Emiroğlu Ö., Yeşilata B., Öztopcu Vatan A. P., Köse E., Aksun Tümerkan E. T., Project Supported by Other Private Institutions, Biolight-Biyo Aydınlatma, 2022 - 2023

EMİROĞLU Ö., MOL O., AKSU S., ÖZTOPCU VATAN A. P., KÖSE E., KURTUL I., TARKAN A. S., Project Supported by Higher Education Institutions, Büyük bir derin göl (İznik Gölü, Bursa) ekosisteminde türler arası trofik beslenme etkileşimlerinin araştırılması, 2021 - 2023

BİRGİ F., ÖZTOPCU VATAN A. P., Project Supported by Higher Education Institutions, Eskişehir Yöresinde Yetişen Brachythecium Populeum (Hedw.) Bruch, Schimp. & W.Gümbel (Bryophyta) Türünün Sitotoksik Etkisinin Belirlenmesi, 2019 - 2021

ÖZTOPCU VATAN A. P., TUBITAK Project, Küçük hücreli dışı akciğer kanserinde seranib 2 nin terapötik etkilerinin in vitro araştırılması, 2014 - 2016

ÖZTOPCU VATAN A. P., KABADERE S., Project Supported by Higher Education Institutions, Ceranib 2 nin glioma çoğalmasına ve apoptoz uyarımına in vitro etkisi, 2012 - 2015

ÖZTOPCU VATAN A. P., Project Supported by Higher Education Institutions, Fisetin in hücre çoğalması ve apoptoz üzerindeki etkisinin insan glioblastoma multiforme T98G hücre dizisinde araştırılması, 2012 - 2015

ÖZTOPCU VATAN A. P., Project Supported by Higher Education Institutions, Fisetin'in Hücre Çoğalması ve Apoptoz Üzerindeki Etkisinin İnsan Glioblastoma Multiforme (T98G) Hücre Dizisinde Araştırılması, 2013 - 2014

KABADERE S., ÖZTOPCU VATAN A. P., Project Supported by Higher Education Institutions, Ceranib-2'nin Glioma

Çoğalmasına ve Apoptoz Uyarımına İn Vitro Etkisi, 2012 - 2014

ÖZTOPCU VATAN A. P., Project Supported by Higher Education Institutions, Protokatekuik Asitin Hücre Proliferasyonu ve Apoptoz Üzerindeki Etkilerinin Memeli Hücre Kültür Yöntemiyle İn Vitro Belirlenmesi, 2012 - 2013

ÖZTOPCU VATAN A. P., Project Supported by Higher Education Institutions, Protokatekuik asit in hücre proliferasyonu ve apoptoz üzerindeki etkilerinin memeli hücre kültürü yöntemiyle in vitro belirlenmesi, 2012 - 2013

ÖZTOPCU VATAN A. P., KABADERE S., Project Supported by Higher Education Institutions, Deguelin'in, Hücre Çoğalması ve Apoptoz Üzerindeki Etkilerinin Sıçan Glioma (C6) Hücre Dizisinde Araştırılması, 2011 - 2013

KABADERE S., ÖZTOPCU VATAN A. P., Project Supported by Higher Education Institutions, Likofelonun Glioma Çoğalmasına ve Apoptoz Uyarımına İn Vitro Etkisi, 2010 - 2012

Metrics

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