

Prof. İLKNUR ÖZDEMİR

Personal Information

Office Phone: [+90 422 377 3000](tel:+904223773000) Extension: 3758

Email: ilknur.ozdemir@inonu.edu.tr

Web: <https://avesis.inonu.edu.tr/ilknur.ozdemir>

International Researcher IDs

ORCID: 0000-0002-8566-8979

Yoksis Researcher ID: 105149

Education Information

Doctorate, Inonu University, Fen Bilimleri Enstitüsü, Kimya/Biyokimya, Turkey 1994 - 1999

Postgraduate, Inonu University, Fen Bilimleri Enstitüsü, Kimya/ Biyokimya, Turkey 1990 - 1994

Undergraduate, Inonu University, Fen Edebiyat Fakültesi, Kimya, Turkey 1983 - 1989

Research Areas

Chemistry, Biochemistry, Natural Sciences

Academic Titles / Tasks

Professor, Inonu University, Fen-Edebiyat Fakültesi, Kimya, 2018 - Continues

Associate Professor, Inonu University, Fen-Edebiyat Fakültesi, Kimya, 2012 - 2018

Assistant Professor, Inonu University, Fen-Edebiyat Fakültesi, Kimya, 2009 - 2012

Research Assistant PhD, Inonu University, Fen-Edebiyat Fakültesi, Kimya, 1999 - 2009

Research Assistant, Inonu University, Fen-Edebiyat Fakültesi, Kimya, 1993 - 1999

Courses

Temel Kimya(Tıbbi görüntüleme teknikleri), Associate Degree, 2013-2014

Temel Kimya(Tıbbi görüntüleme teknikleri)II, Associate Degree, 2013-2014

BİYOKİMYA II, Undergraduate, 2013-2014

BİYOKİMYA LABORATUVARI, Undergraduate, 2013-2014

BİYOKİMYA I, Undergraduate, 2013-2014

Genel Kimya(Elektik- Elektronik Müh), Undergraduate, 2013-2014

ESER ELEMENTLER VE BİYOLOJİK ÖZELLİKLERİ, Undergraduate Double Major, 2013-2014

BİYOKİMYA LABORATUVARI, Undergraduate, 2012-2013

BİYOKİMYA I, Undergraduate, 2012-2013

Biyokimya (Kimya MÜh), Undergraduate, 2012-2013

ESER ELEMENTLER VE BİYOLOJİK ÖZELLİKLERİ, Undergraduate Double Major, 2012-2013

BİYOKİMYA II, Undergraduate, 2012-2013

BİYOKİMYA LABORATUVARI, Undergraduate, 2011-2012

BİYOKİMYA II, Undergraduate, 2011-2012

BİYOKİMYA I, Undergraduate, 2011-2012
ESER ELEMENTLER VE BİYOLOJİK ÖZELLİKLERİ, Undergraduate Double Major, 2011-2012
BİYOTEKNOLOJİ, Undergraduate, 2011-2012
GENEL KİMYA I (MADEN MÜH), Undergraduate, 2011-2012
GENEL KİMYA I(BİYOLOJİ BÖL.), Undergraduate, 2011-2012
Biyokimya(Kimya Müh), Undergraduate, 2011-2012
GENEL KİMYA LABORATUVARI, Undergraduate, 2011-2012
BİYOTEKNOLOJİ, Undergraduate, 2010-2011
GENEL KİMYA LABORATUVARI, Undergraduate, 2010-2011
GENEL KİMYA II (MADEN MÜH), Undergraduate, 2010-2011
BİYOKİMYA LABOTATUVARI, Undergraduate, 2010-2011
ESER ELEMENTLER VE BİYOLOJİK ÖZELLİKLERİ, Undergraduate Double Major, 2010-2011
GENEL KİMYA I (MADEN MÜH), Undergraduate, 2010-2011
BİYOKİMYA II, Undergraduate, 2010-2011
BİYOKİMYA I, Undergraduate, 2010-2011
GENEL KİMYA I (MADEN MÜH), Undergraduate, 2009-2010
BİYOKİMYA LABORATUVARI, Undergraduate, 2009-2010
TEMEL KİMYA I(TIBBİ LAB. TEK.BÖL.), Associate Degree, 2009-2010
GENEL KİMYA I(GIDA MÜH), Undergraduate, 2009-2010
GENEL KİMYA LABORATUVARI, Undergraduate, 2009-2010
GENEL KİMYA II (MADEN MÜH), Undergraduate, 2009-2010
BİYOKİMYA I, Undergraduate, 2009-2010
BİYOKİMYA II, Undergraduate, 2009-2010

Advising Theses

ÖZDEMİR İ., Ag-N-Heterosiklik Karben Komplekslerinin Antitümör Aktivitesinin İncelenmesi, Postgraduate, Ü.Kızrak(Student), 2017
ÖZDEMİR İ., Rat Karaciğer ve Böbrek Dokularında 2,3,7,8-TCDD(Tetraklorodibenzo-p-dioksin)' nin Neden Olduğu Oksidatif Stres Üzerine Protokateşik Asit'in Koruyucu Etkisinin Araştırılması, Postgraduate, A.Savcı(Student), 2012
ÖZDEMİR İ., 2,3,7,8-TCDD (Tetraklorodibenzo-p-dioksin)'nin Ratlarda Oluşturduğu Oksidatif Stres Üzerine Quercetin'in Koruyucu Etkisinin Araştırılması, Postgraduate, O.Çakır(Student), 2011

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Crystal structure, optical properties, spectroscopic characterization and density functional theory studies of a new rhodium (i)-imidazolidin-2-ylidene complexes: Synthesis, characterization and cytotoxic properties**
KARACA E. Ö., ÇİFTÇİ O., ÖZDEMİR İ., KARABİYİK H., KARABİYİK H., Guerbuez N., ÖZDEMİR İ., Mansour L., Youssef A., Hamdi N.
INORGANICA CHIMICA ACTA, vol.537, 2022 (SCI-Expanded)
- II. **Silver (I)-N-heterocyclic carbene complexes: Synthesis and characterization, biological evaluation of Anti-Cholinesterase, anti-alpha-amylase, anti-lipase, and antibacterial activities, and molecular docking study**
Sandeli A. E., Khiri-Meribout N., Benzerka S., GÜRBÜZ N., DÜNDAR M., Karci H., Bensouici C., Mokrani E. H., ÖZDEMİR İ., KOÇ A., et al.
INORGANICA CHIMICA ACTA, vol.525, 2021 (SCI-Expanded)
- III. **New silver N-heterocyclic carbenes complexes: Synthesis, molecular docking study and biological activities evaluation as cholinesterase inhibitors and antimicrobials**

Lasmari S, Ikhlef S, Boulcina R, Mokrani E. H., Bensouici C., GÜRBÜZ N., Dundar M., Karci H., ÖZDEMİR İ., KOÇ A., et al.

JOURNAL OF MOLECULAR STRUCTURE, vol.1238, 2021 (SCI-Expanded)

- IV. **Rhodium(I) N-heterocyclic carbene complexes: synthesis and cytotoxic properties**
Slimani I, Şahin Bölükbaşı S., Ulu M., Evren E., Gürbüz N., Özdemir İ., Hamdi N., Özdemir İ.
NEW JOURNAL OF CHEMISTRY, vol.45, no.11, pp.5176-5183, 2021 (SCI-Expanded)
- V. **Silver(I) N-heterocyclic carbene complexes: Synthesis, characterization and cytotoxic properties**
GÜRBÜZ N., Kaloğlu N., Kızrak Ü., ÖZDEMİR İ., Türkmen N. B., Çiftçi O., Özdemir İ., Mansour L., Naceur H.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.923, 2020 (SCI-Expanded)
- VI. **Synthesis, characterization and antitumor properties of novel silver(I) and gold(I) N-heterocyclic carbene complexes**
ÖZDEMİR İ., ÇİFTÇİ O., Evren E., GÜRBÜZ N., Kaloğlu N., BAŞAK TÜRKMEN N., YAŞAR Ş., ÜSTÜN E., Hamdi N., Mansour L., et al.
INORGANICA CHIMICA ACTA, vol.506, 2020 (SCI-Expanded)
- VII. **In vitro antimicrobial studies of naphthalen-1-ylmethyl substituted silver N-heterocyclic carbene complexes**
GÖK Y., Akkoc S., Celikal O. O., ÖZDEMİR İ., GÜNAL S.
ARABIAN JOURNAL OF CHEMISTRY, vol.12, no.8, pp.2513-2518, 2019 (SCI-Expanded)
- VIII. **Platinum (II) N-heterocyclic carbene complexes: Synthesis, characterization and cytotoxic properties**
KARACA E. Ö., Ciftci O., ÖZDEMİR İ., Yakali G., Aygun M., GÜRBÜZ N., ÖZDEMİR İ.
APPLIED ORGANOMETALLIC CHEMISTRY, vol.33, no.7, 2019 (SCI-Expanded)
- IX. **Amine-functionalized silver and gold N-heterocyclic carbene complexes: Synthesis, characterization and antitumor properties**
Kızrak Ü., Çiftçi O., Özdemir İ., Gürbüz N., Demir Düşünceli S., Kaloğlu M., Mansour L., Zaghrouba F., Hamdi N., Özdemir İ.
Journal Of Organometallic Chemistry, no. 882, pp.26-32, 2019 (SCI-Expanded)
- X. **Synthesis and antimicrobial activity of bulky 3,5-di-tert-butyl substituent-containing silver-N-heterocyclic carbene complexes**
KALOĞLU N., ÖZDEMİR İ., GÜNAL S., ÖZDEMİR İ.
APPLIED ORGANOMETALLIC CHEMISTRY, vol.31, no.11, 2017 (SCI-Expanded)
- XI. **Silver-N-Heterocyclic Carbene Complexes: Synthesis, Characterization, and Antimicrobial Properties**
KALOĞLU N., KALOĞLU M., ÖZDEMİR İ., GÜNAL S., ÖZDEMİR İ.
JOURNAL OF THE CHINESE CHEMICAL SOCIETY, vol.64, no.4, pp.420-426, 2017 (SCI-Expanded)
- XII. **Novel benzimidazol-2-ylidene carbene precursors and their silver(I) complexes: Potential antimicrobial agents**
KALOĞLU M., KALOĞLU N., ÖZDEMİR İ., GÜNAL S., ÖZDEMİR İ.
BIOORGANIC & MEDICINAL CHEMISTRY, vol.24, no.16, pp.3649-3656, 2016 (SCI-Expanded)
- XIII. **Synthesis, characterization and antimicrobial activities of novel silver(I) complexes with coumarin substituted N-heterocyclic carbene ligands**
KARATAŞ M. O., Olgundeniz B., GÜNAL S., ÖZDEMİR İ., ALICI B., Cetinkaya E.
BIOORGANIC & MEDICINAL CHEMISTRY, vol.24, no.4, pp.643-650, 2016 (SCI-Expanded)
- XIV. **Benzimidazolium-based novel silver N-heterocyclic carbene complexes: synthesis, characterisation and in vitro antimicrobial activity**
SARI Y., Akkoc S., GÖK Y., Sifniotis V., ÖZDEMİR İ., GÜNAL S., Kayser V.
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.31, no.6, pp.1527-1530, 2016 (SCI-Expanded)
- XV. **Synthesis, antioxidant and anti-microbial properties of two organoselenium compounds**
TALAS Z. S., GÖK Y., ÖZDEMİR İ., ATEŞ B., GÜNAL S., YILMAZ İ.
PAKISTAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.28, no.2, pp.611-616, 2015 (SCI-Expanded)
- XVI. **Antioxidant Effect of Ethanolic Extract of Propolis in Liver of L-NAME Treated Rats**
SELA MOĞLU Z. S., ÖZDEMİR İ., ÇİFTÇİ O., Gulhan M. F., Savci A.

- ADVANCES IN CLINICAL AND EXPERIMENTAL MEDICINE, vol.24, no.2, pp.227-232, 2015 (SCI-Expanded)
- XVII. Dichlorotriethylphosphine-[N-formyl-N,N'-bis(3,4-dimethoxy)benzyl-trimethylenediamine] platinum(II)**
Sahin O., Ozcan E. Ö., GÜRBÜZ N., ÖZDEMİR İ., Buyukgungor O.
JOURNAL OF STRUCTURAL CHEMISTRY, vol.55, no.4, pp.697-702, 2014 (SCI-Expanded)
- XVIII. ROLE OF PROPOLIS ON OXIDATIVE STRESS IN VARIOUS TISSUES OF FISH**
Aldemir O. S., SELAMOĞLU Z., Gulhan M. F., Cakir O., ÖZDEMİR İ., Dastan S. D., DOĞAN H.
FRESenius ENVIRONMENTAL BULLETIN, vol.23, pp.3547-3551, 2014 (SCI-Expanded)
- XIX. Synthesis, characterization, and transfer hydrogenation of Ru(II)-N-heterocyclic carbene complexes**
Yasar S., Cekerdek S., ÖZDEMİR İ.
JOURNAL OF COORDINATION CHEMISTRY, vol.67, no.7, pp.1236-1248, 2014 (SCI-Expanded)
- XX. Role of propolis on biochemical parameters in kidney and heart tissues against L-NAME induced oxidative injury in rats**
TALAS Z. S., ÖZDEMİR İ., ÇİFTÇİ O., Cakir O., GULHAN M. F., PASAOĞLU O. M.
CLINICAL AND EXPERIMENTAL HYPERTENSION, vol.36, no.7, pp.492-496, 2014 (SCI-Expanded)
- XXI. Five complexes containing N,N-bis(2-hydroxyethyl)-ethylenediamine with tetracyanidopalladate(II): synthesis, crystal structures, thermal, magnetic, and catalytic properties**
Korkmaz S. A., Karadag A., Korkmaz N., Andac O., GÜRBÜZ N., ÖZDEMİR İ., TOPKAYA R.
JOURNAL OF COORDINATION CHEMISTRY, vol.66, no.17, pp.3072-3091, 2013 (SCI-Expanded)
- XXII. Modulating effects of selenium in adrenal medulla of rats exposed to 7,12-dimethylbenz[a]anthracene**
TALAS Z. S., ÖZDEMİR İ., ATEŞ B., GÖK Y., Yılmaz İ.
TOXICOLOGY AND INDUSTRIAL HEALTH, vol.29, no.3, pp.286-292, 2013 (SCI-Expanded)
- XXIII. Effects of Quercetin and Chrysin on 2,3,7,8-Tetrachlorodibenzo-p-dioxin Induced Hepatotoxicity in Rats**
ÇİFTÇİ O., VARDI N., ÖZDEMİR İ.
ENVIRONMENTAL TOXICOLOGY, vol.28, no.3, pp.146-154, 2013 (SCI-Expanded)
- XXIV. Synthesis and antimicrobial activity of novel gold(I) N-heterocyclic carbene complexes**
DOĞAN O., KALOĞLU N., DEMİR S., ÖZDEMİR İ., GÜNAL S., ÖZDEMİR İ.
MONATSHFTE FÜR CHEMIE, vol.144, no.3, pp.313-319, 2013 (SCI-Expanded)
- XXV. N-functionalized benzimidazol-2-ylidene silver complexes: synthesis, characterization, and antimicrobial studies**
GÖK Y., Akkoc S., OZEROĞLU CELİKAL O., ÖZDEMİR İ., GÜNAL S., SAYIN E.
TURKISH JOURNAL OF CHEMISTRY, vol.37, no.6, pp.1007-1013, 2013 (SCI-Expanded)
- XXVI. Ameliorating effects of quercetin and chrysin on 2,3,7,8-tetrachlorodibenzo-p-dioxin-induced nephrotoxicity in rats**
ÇİFTÇİ O., ÖZDEMİR İ., VARDI N., BEYTUR A., OĞUZ F.
TOXICOLOGY AND INDUSTRIAL HEALTH, vol.28, no.10, pp.947-954, 2012 (SCI-Expanded)
- XXVII. Novel benzimidazolium salts and their silver complexes: Synthesis and antibacterial properties**
GÜNAL S., KALOĞLU N., ÖZDEMİR İ., DEMİR S., ÖZDEMİR İ.
INORGANIC CHEMISTRY COMMUNICATIONS, vol.21, pp.142-146, 2012 (SCI-Expanded)
- XXVIII. Beneficial effects of chrysin on the reproductive system of adult male rats**
ÇİFTÇİ O., ÖZDEMİR İ., Aydın M., BEYTUR A.
ANDROLOGIA, vol.44, no.3, pp.181-186, 2012 (SCI-Expanded)
- XXIX. Quercetin prevents 2,3,7,8-tetrachlorodibenzo-p-dioxin-induced testicular damage in rats**
ÇİFTÇİ O., Aydın M., ÖZDEMİR İ., VARDI N.
ANDROLOGIA, vol.44, no.3, pp.164-173, 2012 (SCI-Expanded)
- XXX. Synthesis and antimicrobial studies of 1-methyl-2-dimethylaminoethyl-substituted benzimidazolium salts and N-heterocyclic carbene-silver complexes**
Yigit B., GÖK Y., ÖZDEMİR İ., GÜNAL S.
JOURNAL OF COORDINATION CHEMISTRY, vol.65, no.3, pp.371-379, 2012 (SCI-Expanded)

- XXXI. **Role of Propolis on Tyrosine Hydroxylase Activity and Blood Pressure in Nitric Oxide Synthase-Inhibited Hypertensive Rats**
GOGEBAKAN A., TALAS Z. S., ÖZDEMİR İ., Sahna E.
CLINICAL AND EXPERIMENTAL HYPERTENSION, vol.34, no.6, pp.424-428, 2012 (SCI-Expanded)
- XXXII. **Protective effects of quercetin and chrysin against 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) induced oxidative stress, body wasting and altered cytokine productions in rats**
ÇİFTÇİ O., ÖZDEMİR İ.
IMMUNOPHARMACOLOGY AND IMMUNOTOXICOLOGY, vol.33, no.3, pp.504-508, 2011 (SCI-Expanded)
- XXXIII. **The determination of oxidative damage in heart tissue of rats caused by ruthenium(II) and gold(I) N-heterocyclic carbene complexes**
ÇİFTÇİ O., ÖZDEMİR İ., ÇAKIR O., DEMİR S.
TOXICOLOGY AND INDUSTRIAL HEALTH, vol.27, no.8, pp.735-741, 2011 (SCI-Expanded)
- XXXIV. **Novel platinum-N-heterocyclic carbene complex is more cardiotoxic than cis-platin in rats**
ÇİFTÇİ O., ÖZDEMİR İ., VARDI N., GÜRBÜZ N.
HUMAN & EXPERIMENTAL TOXICOLOGY, vol.30, no.9, pp.1342-1349, 2011 (SCI-Expanded)
- XXXV. **Antioxidative effects of curcumin, beta-myrcene and 1,8-cineole against 2,3,7,8-tetrachlorodibenzo-p-dioxin-induced oxidative stress in rats liver**
ÇİFTÇİ O., ÖZDEMİR İ., Tanyildizi S., YILDIZ S., OĞUZTÜRK H.
TOXICOLOGY AND INDUSTRIAL HEALTH, vol.27, no.5, pp.447-453, 2011 (SCI-Expanded)
- XXXVI. **Synthesis, characterization and antimicrobial activity of new silver complexes with N-heterocyclic carbene ligands**
ÖZDEMİR İ., DEMİR S., GÜNAL S., ÖZDEMİR İ., Arici C., Ulku D.
INORGANICA CHIMICA ACTA, vol.363, no.14, pp.3803-3808, 2010 (SCI-Expanded)
- XXXVII. **Synthesis and antimicrobial activity of Ag(I)-N-heterocyclic carbene complexes derived from benzimidazol-2-ylidene**
ÖZDEMİR İ., GÜRBÜZ N., DOĞAN O., GÜNAL S., ÖZDEMİR İ.
APPLIED ORGANOMETALLIC CHEMISTRY, vol.24, no.11, pp.758-762, 2010 (SCI-Expanded)
- XXXVIII. **Role of exogenous melatonin on adriamycin-induced changes in the rat heart**
AYDEMİR S., ÖZDEMİR İ., Kart A.
EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES, vol.14, no.5, pp.435-441, 2010 (SCI-Expanded)
- XXXIX. **Gold(I) Complexes of N-Heterocyclic Carbene Ligands Containing Benzimidazole: Synthesis and Antimicrobial Activity**
ÖZDEMİR İ., TEMELİ N., GÜNAL S., DEMİR S.
MOLECULES, vol.15, no.4, pp.2203-2210, 2010 (SCI-Expanded)
- XL. **Synthesis and Antimicrobial Activity of Novel Ag-N-Heterocyclic Carbene Complexes**
ÖZDEMİR İ., Özcan E. Ö., GÜNAL S., GÜRBÜZ N.
MOLECULES, vol.15, no.4, pp.2499-2508, 2010 (SCI-Expanded)
- XLI. **CHANGES IN TYROSINE HYDROXYLASE ACTIVITY, ADRENOMEDULLIN (ADM) AND TOTAL RNA LEVELS BY TREATMENT OF ORGANOSELENIUM COMPOUNDS IN RAT HYPOTHALAMUS EXPOSED TO 7,12-DIMETHYLBENZANTHRACENE (DMBA)**
ÖZDEMİR İ., TALAS Z. S., GÖK Y., ATEŞ B., Yılmaz İ.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.19, no.4A, pp.664-668, 2010 (SCI-Expanded)
- XLII. **Role of selenium compounds on tyrosine hydroxylase activity, adrenomedullin and total RNA levels in hearts of rats**
TALAS Z. S., ÖZDEMİR İ., GÖK Y., ATEŞ B., YILMAZ İ.
REGULATORY PEPTIDES, vol.159, no.1-3, pp.137-141, 2010 (SCI-Expanded)
- XLIII. **The effects of synthetic organoselenium compounds on nitric oxide in DMBA - induced rat liver**
TALAS Z. S., BAYRAKTAR N., ÖZDEMİR İ., GÖK Y., Yılmaz İ.
JOURNAL OF ENVIRONMENTAL BIOLOGY, vol.30, no.4, pp.591-593, 2009 (SCI-Expanded)
- XLIV. **Role of Synthesized Organoselenium Compounds on Protection of Rat Erythrocytes from DMBA-**

Induced Oxidative Stress

TALAS Z. S., YILMAZ İ., ÖZDEMİR İ., ATEŞ B., GÖK Y., Cetinkaya B.

BIOLOGICAL TRACE ELEMENT RESEARCH, vol.128, no.2, pp.167-175, 2009 (SCI-Expanded)

- XLV. **Antioxidative effects of novel synthetic organoselenium compound in rat lung and kidney**
TALAS Z. S., ÖZDEMİR İ., Yılmaz İ., GÖK Y.
ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY, vol.72, no.3, pp.916-921, 2009 (SCI-Expanded)
- XLVI. **Antioxidative role of selenium against the toxic effect of heavy metals (Cd+2 Cr+3 on liver of rainbow trout (*Oncorhynchus mykiss* Walbaum 1792))**
TALAS Z. S., Orun I., ÖZDEMİR İ., Erdogan K., ALKAN A., Yılmaz İ.
FISH PHYSIOLOGY AND BIOCHEMISTRY, vol.34, no.3, pp.217-222, 2008 (SCI-Expanded)
- XLVII. **Antioxidative role of selenium on some tissues of (Cd²⁺, Cr³⁺)-induced rainbow trout**
Orun I., TALAS Z. S., ÖZDEMİR İ., ALKAN A., Erdogan K.
ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY, vol.71, no.1, pp.71-75, 2008 (SCI-Expanded)
- XLVIII. **The investigation of the antioxidative properties of the novel synthetic organoselenium compounds in some rat tissues**
TALAS Z. S., ÖZDEMİR İ., Yılmaz İ., GÖK Y., Orun I.
EXPERIMENTAL BIOLOGY AND MEDICINE, vol.233, no.5, pp.575-579, 2008 (SCI-Expanded)
- XLIX. **Modulation of DMBA-induced biochemical changes by organoselenium compounds in blood of rats.**
Ozdemir I., SELAMOGLU Z., Ates B., Gök Y., YILMAZ İ.
Indian journal of biochemistry & biophysics, vol.44, no.4, pp.257-9, 2007 (SCI-Expanded)
- L. **The effects of novel synthetic organoselenium compounds on hematological parameters in DMBA-induced rats**
SELAMOGLU Z., Ozdemir I., Atcs B., Goo Y., ORUN I., Yılmaz İ.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.16, no.6, pp.596-600, 2007 (SCI-Expanded)
- LI. **Inhibition of DMBA induced rat mammary duct damage by novel synthetic organoselenium compounds**
Ozdemir I., TALAS Z. S., Gul M., Ates B., Gok Y., ESREFOGLU M., Yılmaz İ.
EXPERIMENTAL ANIMALS, vol.55, no.5, pp.449-455, 2006 (SCI-Expanded)
- LII. **Protective effect of melatonin on experimental spinal cord ischemia**
ERTEN S., KOCAK A., Ozdemir I., Aydemir S., COLAK A., REEDER B.
SPINAL CORD, vol.41, no.10, pp.533-538, 2003 (SCI-Expanded)
- LIII. **The protective effect of melatonin on adriamycin-induced acute cardiac injury**
KOCAK G., ERBİL K., Ozdemir I., AYDEMİR S., SUNAR B., TUNCEL M., ATALAY S.
CANADIAN JOURNAL OF CARDIOLOGY, vol.19, no.5, pp.535-541, 2003 (SCI-Expanded)

Articles Published in Other Journals

- I. **Role of Protocatechuic Acid (PCA) on Hepatotoxicity and Nephrotoxicity Induced by 2, 3, 7, 8-Tetrachlorodibenzo-P-Dioxin (TCDD) in Rats**
SAVCI A., ÖZDEMİR İ.
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.8, no.1, pp.546-553, 2020 (Peer-Reviewed Journal)
- II. **" The Investigation of Protective Effect of Quercetin in Rats Exposed to Oxidative Stress by 2,3,7,8-Tetrachlorodibenzo-p-Dioxin**
CAKIR O., ÖZDEMİR İ.
Hacettepe Journal of Biology and Chemistry, no.47, pp.61-66, 2019 (Scopus)
- III. **N-Heterocyclic carbene silver complexes: synthesis, characterization and in vitro antimicrobial studies**
AKKOÇ S., GÖK Y., ÖZDEMİR İ., GÜNAL S.
Journal of the Chinese Advanced Materials Society, vol.2, no.1, pp.20-30, 2014 (Peer-Reviewed Journal)
- IV. **Antimicrobial Studies of N-Heterocyclic Carbene Silver Complexes Containing Benzimidazol-2-**

ylidene Ligand

GÖK Y., SARI Y., AKKOÇ S., ÖZDEMİR İ., GÜNAL S.

International Journal of Inorganic Chemistry, vol.2014, pp.1-6, 2014 (Peer-Reviewed Journal)

- V. **Role of propolis on oxidative stres in fish brain**
Kakoolaki s., TALAS Z. S., ÇAKIR O., ÇİFTÇİ O., ÖZDEMİR İ.
Basic and Clinical Neuroscience, vol.4, no.2, pp.45-50, 2013 (Scopus)
- VI. **Propolis attenuates oxidative injury in brain and lung of nitric oxide synthase inhibited rats**
TALAS Z. S., ÖZDEMİR İ., ÇİFTÇİ O., ÇAKIR O.
Journal of Pharmaceutical Care, vol.1, no.2, pp.45-50, 2013 (Peer-Reviewed Journal)
- VII. **The Investigation of Serum Malondialdehyde levels and Erythrocyte Antioxidant Enzymes in Hypertension Patients**
ÖZDEMİR İ.
Sağlık Bilimleri Dergisi (Journal of Health Sciences), vol.14, no.2, pp.76-81, 2005 (Peer-Reviewed Journal)
- VIII. **Catalase Immobilization on Different Inorganic Carriers**
ÖZDEMİR İ.
Chimica Acta Turcica, vol.24, pp.181-184, 1996 (Peer-Reviewed Journal)
- IX. **Kayıpı Çekirdeği Yağının Fiziksel ve Kimyasal Özelliklerinin İncelenmesi**
ÖZDEMİR İ.
Türk Doğa ve Fen Dergisi, vol.17, pp.56-61, 1993 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **Yeni sentezlenen gümüş karben bileşiklerinin sitotoksik ve antimikrobiyal aktivitelerinin araştırılması**
BAŞAK TÜRKMEN N., ÇİFTÇİ O., GÜRBÜZ N., ÖZDEMİR İ.
4.international hippocrates congress on medical and health sciences, 25 - 26 September 2020
- II. **Effect Of Prolonged Melatonin On Anti-Oxidant Enzymes After Experimental Subarachnoid Hemorrhage**
KOCAN A., Biliciler B., ÖZDEMİR İ., Vatansever M., AYDEMİR S., SUNAR B.
Balkan Journal of Clinical Laboratory, Bulgaria, pp.80
- III. **The effects of the synthetic organoselenium compounds on total RNA levels in some tissues of DMBA-induced albino wistar rats**
TALAS Z. S., ÖZDEMİR İ., ATEŞ B., GÖK Y., Yılmaz İ.
2. Uluslararası Hücre Zarları ve Oksidatif Stres Kongresi: Kalsiyum Sinyali ve TRP Kanalları Kongresi, Isparta, Turkey, pp.45
- IV. **Effects of propolis on tyrosine hydroxylase activity and blood pressure in nitric oxide synthase inhibited hypertensive rats**
GÖGEBAKAN A., TALAS Z. S., ÖZDEMİR İ., SAHNA E.
3 rd International congress on Cell Membranes and Oxidative Stres: Focus on Calcium Signaling and TRP Channels, Isparta, Turkey, pp.67
- V. **Changes in tyrosine hydroxylase activity and adrenomedullin level by treatment of organoselenium compounds in rat hypothalamus exposed to 7, 12- dimethylbenzanthracene**
ÖZDEMİR İ., TALAS Z. S., GÖK Y., ATEŞ B., Yılmaz İ.
, 3 rd International congress on Cell Membranes and Oxidative Stres: Focus on Calcium Signaling and TRP Channels, Isparta, Turkey, pp.68
- VI. **Synthesis, Characterization and Antimicrobial Activities of Ag(I)-N-Heterocyclic Carbene Complexes**
Doğan Ulu Ö., ÖZDEMİR İ., GÜNAL S., GÜRBÜZ N., ÖZDEMİR İ.
SANCO University Innovation in Medicine Summit-3, Gaziantep, Turkey, 11 - 13 May 2017, pp.54
- VII. **Synthesis and Antimicrobial Activity of Pt-N-Heterocyclic Carbene Complexes**
KARACA E. Ö., ÖZDEMİR İ., GÜNAL S., GÜRBÜZ N., ÖZDEMİR İ.

- 3 rd International Conventes of Pharmaceuticals and Pharmacies, İstanbul, Turkey, 26 - 29 April 2017
- VIII. **Synthesis and Antimicrobial Activity of Pt-N-Heterocyclic Carbene Complexes**
KARACA E. Ö., ÖZDEMİR İ., GÜNAL S., GÜRBÜZ N., ÖZDEMİR İ.
3 rd International Conventes of Pharmaceuticals and Pharmacies, İstanbul, Turkey, 26 - 29 April 2017
- IX. **Antitumor Properties of water-soluble Au-N-heterocyclic carbene complexes**
Kızrak Ü., ÖZDEMİR İ., GÜRBÜZ N., KALOGLU N., Başak Türkmen N., ÇİFTÇİ O., ÖZDEMİR İ.
3 rd International Conventes of Pharmaceuticals and Pharmacies, İstanbul, Turkey, 26 - 29 April 2017, pp.890-891
- X. **Antitumor Properties of water-soluble Au-N-heterocyclic carbene complexes**
Kızrak Ü., ÖZDEMİR İ., GÜRBÜZ N., KALOGLU N., Başak Türkmen N., ÇİFTÇİ O., ÖZDEMİR İ.
3 rd International Conventes of Pharmaceuticals and Pharmacies, İstanbul, Turkey, 26 - 29 April 2017, pp.890-891
- XI. **Antimicrobial Activity of Gold (I) N-Heterocyclic Carbene Complexes**
ÖZDEMİR İ., KARACA E. Ö., GÜRBÜZ N., ÖZDEMİR İ., GÜNAL S.
4th International BAU Drug Design Congress, İstanbul, Turkey, 13 - 15 October 2016, pp.71
- XII. **Antitumor Properties of water-soluble Ag-N-heterocyclic carbene complexes**
ÖZDEMİR İ., GÜRBÜZ N., KALOGLU N., Kızrak Ü., ÇİFTÇİ O., ÖZDEMİR İ.
4th International BAU Drug Design Congress, İstanbul, Turkey, 13 - 15 October 2016, pp.67
- XIII. **Synthesis and antitumor activity of silver(I) complexes involving N-sodium sulfonate N-heterocyclic carbene ligands**
GÜRBÜZ N., ÖZDEMİR İ., KALOGLU N., ÇİFTÇİ O., ÖZDEMİR İ.
4th International BAU Drug Design Congress, İstanbul, Turkey, 13 - 15 October 2016, pp.90
- XIV. **Antitumor Properties of water-soluble Ag-N-heterocyclic carbene complexes**
ÖZDEMİR İ., GÜRBÜZ N., KALOGLU N., Kızrak Ü., ÇİFTÇİ O., ÖZDEMİR İ.
4th International BAU Drug Design Congress, İstanbul, Turkey, 13 - 15 October 2016, pp.67
- XV. **Synthesis and antitumor activity of silver(I) complexes involving N-sodium sulfonate N-heterocyclic carbene ligands**
GÜRBÜZ N., ÖZDEMİR İ., KALOGLU N., ÇİFTÇİ O., ÖZDEMİR İ.
4th International BAU Drug Design Congress, İstanbul, Turkey, 13 - 15 October 2016, pp.90
- XVI. **The New Ag-N-Heterocyclic Carbene Complexes Having Antitumor Potential**
GÜRBÜZ N., ÖZDEMİR İ., KALOGLU N., ÇİFTÇİ O., ÖZDEMİR İ.
42nd International Conference on Coordination Chemistry, Brest, France, 3 - 08 July 2016, pp.442
- XVII. **Kumarin içeren gümüş karben komplekslerinin sentezi antibakteriyal ve antifungal özelliklerinin incelenmesi**
KARATAŞ M. O., ALICI B., ÖZDEMİR İ., GÜNAL S., CETINKAYA E.
II. Ulusal Organik Kimya Kongresi, Ankara, Turkey, 24 - 26 September 2014
- XVIII. **Synthesis and Antimicrobial Activity of Novel Ag-N- Heterocyclic carbene Complexes**
Şahin Z., GÜRBÜZ N., ÖZDEMİR İ., GÜNAL S., ÖZDEMİR İ.
IUPAC 44th World Chemistry Congress, İstanbul, Turkey, 11 - 16 August 2013, pp.149
- XIX. **The effect of quercetin on oxidative stres induced in rats vascular tiissue of 2,3,7,8 tcdd (tetrachlorodibenzo-P-Dioxin)**
CAKIR O., ÖZDEMİR İ.
IUPAC 44th World Chemistry Congress, İstanbul, Turkey, 11 - 16 August 2013, pp.1314
- XX. **Role of propolis on oxidative stres in fish brain**
TALAS Z. S., Kakoolaki S., CAKIR O., ÇİFTÇİ O., ÖZDEMİR İ.
Basic and Clinical Neuroscience Congress, Tahran, Iran, 7 - 09 November 2012, pp.360
- XXI. **Hypertension and oxidative stress in rats treated propolis**
TALAS Z. S., ÖZDEMİR İ., ÇİFTÇİ O., CAKIR O.
Basic and Clinical Neuroscience Congress, Tahran, Iran, 7 - 09 November 2012, pp.360-361
- XXII. **Benzimidazolyum-Gümüş Karben Komplekslerinin Antimikrobiyal Özellikleri**
DAYAN S., ÖZDEMİR İ., GÜNAL S., GÜRBÜZ N., ÖZDEMİR İ.
25.Uluslararası katılımlı Ulusal Kimya Kongresi, 1 - 02 July 2011
- XXIII. **The effects of the synthetic organoselenium compounds on tyrosine hydroxylase activity and**

adrenomedullin level in adrenal medulla of albino wistar rats

TALAS Z. S., ÖZDEMİR İ., ATEŞ B., Yılmaz İ., GÖK Y.

First International Congress on Nutrition and Cancer, Antalya, Turkey, 19 - 23 May 2008, pp.72

XXIV. The defensive effects of synthetic organoselenium compounds on the antioxidative system of DMBA induced rat brain

TALAS Z. S., YILMAZ İ., Ozdemir I., Gok Y., ORUN I., CETINKAYA B.

31st Congress of the Federation-of-European-Biochemical-Societies (FEBS), İstanbul, Turkey, 24 - 29 June 2006, vol.273, pp.154-155

XXV. The effects of selenium on rainbow trout liver treated with heavy metals

TALAS Z. S., ORUN I., ALKAN A., Ozdemir I., ERDOĞAN K., Yılmaz İ.

31st Congress of the Federation-of-European-Biochemical-Societies (FEBS), İstanbul, Turkey, 24 - 29 June 2006, vol.273, pp.155

XXVI. Adriyaminin Kullanılarak Sıçan Beyninde Ortaya Çıkarılan Neural Oksidatif Hasara Melatoninin Etkisi

ÖZDEMİR İ., KOCAK A., SUNAR B.

The First International Biosciences Days, Antalya, Turkey, 20 - 24 April 1999, pp.570

XXVII. An Investigation on The Storage And the Usage Stability Of Catalase Immobilized on Perlite

ÖZDEMİR İ., Aydemir T.

35 th IUPAC Congress, İstanbul, Turkey, 14 - 19 August 1995, pp.406

Supported Projects

ÖZDEMİR İ., YAŞAR S., ÖZDEMİR İ., KARACA E. Ö., ŞAHİN BÖLÜKBAŞI S., ŞAHİN N., GÜRBÜZ N., Project Supported by Higher Education Institutions, Rh ve Ag N-heterosiklik Karben Kompleksleri Sentezi ve Antikanser Özelliklerinin İncelenmesi, 2018 - 2020

ÖZDEMİR İ., Project Supported by Higher Education Institutions, Ag-N-HETEROSİKLİK KARBEN KOMPLEKSLERİNİN ANTİTÜMÖR AKTİVİTESİNİN İNCELENMESİ, 2016 - 2018

Özdemir Z., Uysal M., Özdemir İ., Çiftçi O., TUBITAK Project, Yeni Sentezlenen 3 2H piridazinon Türevlerinin Beyin ve Karaciğer Kanseri Hücre Hatlarına Karşı sitotoksik Etkilerinin Araştırılması, 2014 - 2016

Metrics

Publication: 103

Citation (WoS): 1155

Citation (Scopus): 1052

H-Index (WoS): 19

H-Index (Scopus): 19

Congress and Symposium Activities

Synthesis, Characterization and Antimicrobial Activities of Ag(I)-N-Heterocyclic Carbene Complexes, Attendee, Gaziantep, Turkey, 2017

Antitumor Properties of water-soluble Au-N-heterocyclic carbene complexes, Attendee, İstanbul, Turkey, 2017

Synthesis and Antimicrobial Activity of Pt-N-Heterocyclic Carbene Complexes, Attendee, Turkey, 2017

Antimicrobial Activity of Gold (I) N-Heterocyclic Carbene Complexes, Attendee, Turkey, 2016

Synthesis and antitumor activity of silver(I) complexes involving N-sodium sulfonate N-heterocyclic carbene ligands, Attendee, İstanbul, Turkey, 2016

Antitumor Properties of water-soluble Ag-N-heterocyclic carbene complexes, Attendee, Turkey, 2016

The New Ag-N-Heterocyclic Carbene Complexes Having Antitumor Potential, Attendee, İstanbul, Turkey, 2016

Kumarin içeren gümüş karben komplekslerinin sentezi, antibakteriyel ve antifungal özelliklerinin incelenmesi, Attendee, Ankara, Turkey, 2014

The effect of quercetin on oxidative stres induced in rats vascular tiissue of 2,3,7,8 tcdd (tetrachlorodibenzo-P-Dioxin), Attendee, İstanbul, Turkey, 2013

Pestisite maruz bırakılan gökkuşağı alabalıklarında biyokimyasal parametreler üzerine propolisin etkisi, Attendee, Niğde, Turkey, 2013

Synthesis and Antimicrobial Activity of Novel Ag-N- Heterocyclic carbene Complexes, Attendee, Turkey, 2013

Ag-NHC Komplekslerinin antimikrobiyal aktivitesi, Attendee, Turkey, 2013

Ag-NHC Komplekslerinin sentezi ve antimikrobiyal aktivitesi, Attendee, Tokat, Turkey, 2013

Role of propolis on oxidative stres in fish brain, Attendee, Tehrân, Iran, 2012

Hypertension and oxidative stress in rats treated propolis, Attendee, Tehrân, Iran, 2012

Benzimidazolyum-gümüş karben komplekslerinin antimikrobiyal özellikleri, Attendee, Turkey, 2011

Sıçan karaciğer dokularında nitro-arjinin –metil-ester (L-NAME) ile oluşturulan oksidatif strese karşı propolisin koruyucu rolü, Attendee, Erzurum, Turkey, 2011

Nitro-Arjinin-metil-ester(L-NAME) ile oluşturulan hipertansif sıçan dokularındaki biyokimyasal değişimler üzerine Propolisin etkisi, Attendee, Adana, Turkey, 2011

,3,7,8-TCDD (Tetraklorodibenzo-p-dioksin)’nin sıçan kalp dokusunda oluşturduğu oksidatif stres üzerine quercetinin koruyucu etkisi, Attendee, Turkey, 2011

Rutenyum (II) ve Altın (I) N-heterosiklik karben komplekslerinin sıçan kalp dokusunda oluşturdukları oksidatif hasarın belirlenmesi, Attendee, Turkey, 2011

Changes in tyrosine hydroxilase activity and adrenomedullin level by treatment of organoselenenium compounds in rat hypothalamus exposed to 7, 12- dimethylbenzanthracene, Attendee, Isparta, Turkey, 2010

Ratlarda 2,3,7,8-Tetrachlorodibenzo-p-dioxin kaynaklı testis hasarını önlemede Quercetinin etkileri,, Attendee, Antalya, Turkey, 2010

Selenyum Bileşiklerinin Sıçan Kalp Dokularında Tirozin Hidroksilaz Aktivitesi ve Adrenomedullin Düzeyleri Üzerine Etkileri, Attendee, Karaman, Turkey, 2010

Arsenik Uygulamasına Maruz Bırakılmış Balık Dokularında Propolisin Antioksidan Özelliklerinin İncelenmesi, Attendee, Aksaray, Turkey, 2010

Effects of propolis on tyrosine hydroxylase activity and blood pressure in nitric oxide synthase inhibited hypertensive rats, Attendee, Turkey, 2010

Antioxidative Effects of Curcumin, β -Myrcene and 1,8-Cineole Against 2,3,7,8-Tetrachlorodibenzo-P-Dioxin (TCDD)-Induced Oxidative Stress in Rats Liver”, Attendee, Aydın, Turkey, 2010

The effects of the synthetic organoselenium compounds on tyrosine hydroxylase activity and adrenomedullin level in adrenal medulla of albino wistar rats”, Attendee, Turkey, 2008

The effects of the synthetic organoselenium compounds on total RNA levels in some tissues of DMBA-induced albino wistar rats, Attendee, Isparta, Turkey, 2008

Bazı Ağır Metal Stresine Maruz Bırakılmış Alabalıkların Kalp Dokusunda İnorganik Selenyumun Koruyucu Etkileri, Attendee, Aydın, Turkey, 2006

Sıçan Kalp Dokusunda Antioksidan Sistem Üzerine Yeni Sentetik Organoselenyum Bileşiklerinin Etkileri, Attendee, Kayseri, Turkey, 2006

YeniOrganoselenyum Bileşiklerinin Sıçan Böbrek Dokusunda Antioksidatif Özelliklerinin Araştırılması, Attendee, Bursa, Turkey, 2006

DMBA ile indüklenmiş Sıçan Deri Lezyonları Üzerinde Yeni Sentetik Organoselenyum Bileşiklerinin Etkileri, Attendee, Isparta, Turkey, 2006

Sentetik Organoselenyum Bileşiklerinin Sıçan Akciğer Dokusunda Antioksidan Sistem Üzerine Etkileri, Attendee, Aydın, Turkey, 2006

Bazı Sentetik Organoselenyum Bileşiklerinin DMBA ile İndüklenmiş Ratların Karaciğer Dokuları Üzerine Koruyucu Etkilerinin Araştırılması, Attendee, İzmir, Turkey, 2005

Farklı Ağır Metal Stresine Maruz Bırakılan Gökkuşağı Alabalıkları (Oncorhynchus mykiss Walbaum,1972)’nda Selenyum İlavesi ile Biyokimyasal Parametrelerdeki Değişimlerin İncelenmesi, Attendee, Çanakkale, Turkey, 2005

DMBA ile İndüklenmiş Sıçanlarda Yeni Sentetik Organoselenyum Bileşiklerinin Hematolojik Parametreler Üzerine Etkileri,

Attendee, Turkey, 2005

DMBA ile İndüklenmiş Sıçanlarda Meme Salgı Kanal Hasarına Karşı Yeni Sentetik Organoselenyum Bileşiklerinin Koruyucu Etkileri, Attendee, Turkey, 2005

Bazı Sentetik Organoselenyum Bileşiklerinin Antioksidan ve Antimikrobiyal Karakteri, Attendee, Turkey, 2005

DMBA ile İndüklenmiş Sıçan Eritrositlerinde Antioksidan Sistem Üzerine Yeni Sentezlenmiş Organoselenyum Bileşiklerinin Etkileri, Attendee, Turkey, 2005

Yeni Sentezlenmiş Organoselenyum Bileşiklerinin DMBA ile İndüklenmiş Sıçanların Biyokimyasal Parametreleri Üzerine Etkileri, Attendee, Antalya, Turkey, 2005

Sıçan Karaciğer dokusunda DMBA ile İndüklenme Sonucu Sentetik Organoselenyum Bileşiklerinin Nitrik Oksit Düzeylerine Etkisi, Attendee, Turkey, 2005

Hipertansiyonlu Hastalarda Serum Nitrik oksit Düzeyleri, Attendee, Adana, Turkey, 2004

Ratlarda ADR'nin Kalpte Oluşturduğu Hasara Karşı Melatoninin Koruyucu Etkisi ve Antioksidan Enzim Seviyeleri, Attendee, Malatya, Turkey, 2002

Yüksek tansiyonlu hastalarda Eritrosit Antioksidan Enzimler ve Serum Malondialdehit Düzeylerinin Karşılaştırılması, Attendee, Turkey, 2002

ADR'nin Karaciğer Hücrelerindeki Toksisitesine Karşı Melatoninin Antrioksidan Etkisi, Attendee, Konya, Turkey, 2002

AAAdriyamisine Bağlı Akut Kardiyak Hasarın Önlenmesinde Melatoninin Koruyucu Etkisi, Attendee, Nevşehir, Turkey, 2001

Kronik Hepatit B Olgularında Serum Nitrit ve Nitrat Düzeyleri, Attendee, Adana, Turkey, 2001

Deneyssel Spinal Kord İskemisinde Melatoninin Antioksidan Enzimler Üzerine Etkisi, Attendee, Antalya, Turkey, 2000

Adriyamisin Kullanılarak Sıçan Beyninde Ortaya Çıkarılan Neural Oksidatif Hasara Melatoninin Etkisi, Attendee, Antalya, Turkey, 1999

Deneyssel Subaraknoid Kanama Modeline Beyin Sapı Antioksidan Enzimlerinde Değişiklikler ve Melatoninin Etkisi, Attendee, Antalya, Turkey, 1998

Effect Of Prolonged Melatonin On Anti-Oxidant Enzymes After Experimental Subarachnoid Hemorrhage, Attendee, Bulgaria, 1998

Deneyssel Subaraknoid Kanama Modeline Kan Antioksidan Enzimlerinde Değişiklikler ve Melatoninin Etkisi, Attendee, Antalya, Turkey, 1998

An Investigation on The Storage And the Usage Stability Of Catalase Immobilized on Perlite, Attendee, İstanbul, Turkey, 1995