

Prof. ELİF ORUÇ

Personal Information

Fax Phone: [+90 322 338 6070](tel:+903223386070)

Email: eoacan@cu.edu.tr

Web: <https://avesis.cu.edu.tr//eoacan>

International Researcher IDs

ORCID: 0000-0001-6337-6089

Publons / Web Of Science ResearcherID: G-8749-2018

Yoksis Researcher ID: 11927

Education Information

Post Doctorate, University of Florida, United States Of America 2017 - 2018

Post Doctorate, Rutgers, The State University of New Jersey, , , United States Of America 2011 - 2012

Doctorate, Cukurova University, Fen Bilimleri Enstitüsü, Biyoloji, Turkey 1992 - 1998

Postgraduate, Cukurova University, Fen Bilimleri, Biyoloji, Turkey 1990 - 1998

Undergraduate, Cukurova University, Fen-Edebiyat Fakültesi, Biyoloji, Turkey 1986 - 1990

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, 2,4-DİAMİN VE AZİNFOSMETİLİN TİLAPİA NİLOTİCA'DA KARACİĞERDE ANTİOKSİDANT ENZİM AKTİVİTELERİ VE LİPİD PEROKSİDASYONUNA ETKİLERİ, Cukurova University, Fen Bilimleri, Biyoloji, 1998

Research Areas

Life Sciences, Biochemistry, Biochemical Toxicology, Biotechnology, Natural Sciences

Academic Titles / Tasks

Professor, Cukurova University, Fen-Edebiyat Fakültesi, Biyoloji, 2012 - Continues

Academic and Administrative Experience

Published journal articles indexed by SCI, SSCI, and AHCI

1. Effect of Thiamethoxam and lambda Cyhalothrin, Administered Individually and in Mixture on the

Endocrine Function and Antioxidant Defense of Gonads of Oreochromis niloticus

KOCAMAZ D., ORUÇ E.

PAKISTAN JOURNAL OF ZOOLOGY, vol.52, no.3, pp.1085-1093, 2020 (SCI-Expanded)

- II. **ASSESSMENT OF SYNERGISTIC TOXICITY TWO COMMERCIAL PESTICIDES, THIAMETHOXAM AND LAMBDA-CYHALOTHRIN, ON TOTAL ANTIOXIDANT/OXIDANT STATUS, OXIDATIVE STRESS INDEX AND SOMATIC INDICES IN DIFFERENT TISSUES OF TILAPIA**
KOCAMAZ D., ORUÇ E.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.27, no.4, pp.2312-2319, 2018 (SCI-Expanded)
- III. **Regulation of arcuate genes by developmental exposures to endocrine-disrupting compounds in female rats**
ROEPKE T. A., YANG J. A., YASREBI A., MAMOUNIS K. J., Oruc E., ZAMA A. M., UZUMCU M.
REPRODUCTIVE TOXICOLOGY, vol.62, pp.18-26, 2016 (SCI-Expanded)
- IV. **Epigenetic Mechanisms in the Actions of Endocrine-disrupting Chemicals: Gonadal Effects and Role in Female Reproduction**
Uzumcu M., Zama A. M., ORUÇ E.
REPRODUCTION IN DOMESTIC ANIMALS, vol.47, pp.338-347, 2012 (SCI-Expanded)
- V. **Oxidative Stress Responses and Recovery Patterns in the Liver of Oreochromis niloticus Exposed to Chlorpyrifos-Ethyl**
Oruc E.
BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, vol.88, no.5, pp.678-684, 2012 (SCI-Expanded)
- VI. **Effects of Diazinon on Antioxidant Defense System and Lipid Peroxidation in the Liver of Cyprinus carpio (L.)**
Oruc E.
ENVIRONMENTAL TOXICOLOGY, vol.26, no.6, pp.571-578, 2011 (SCI-Expanded)
- VII. **Oxidative stress, steroid hormone concentrations and acetylcholinesterase activity in Oreochromis niloticus exposed to chlorpyrifos**
Oruc E.
PESTICIDE BIOCHEMISTRY AND PHYSIOLOGY, vol.96, no.3, pp.160-166, 2010 (SCI-Expanded)
- VIII. **Evaluation of oxidative stress responses and neurotoxicity potential of diazinon in different tissues of Cyprinus carpio**
Oruc E., Usta D.
ENVIRONMENTAL TOXICOLOGY AND PHARMACOLOGY, vol.23, no.1, pp.48-55, 2007 (SCI-Expanded)
- IX. **Effects of diazinon on acetylcholinesterase activity and lipid peroxidation in the brain of Oreochromis niloticus**
Uner N., Oruc E., Sevgiler Y., Sahin N., Durmaz H., Usta D.
ENVIRONMENTAL TOXICOLOGY AND PHARMACOLOGY, vol.21, no.3, pp.241-245, 2006 (SCI-Expanded)
- X. **Neurotoxicity evaluation of the organofluorine pesticide etoxazole in the brain of Oreochromis niloticus**
Uner N., Oruc E., Sevgiler Y.
DRUG AND CHEMICAL TOXICOLOGY, vol.29, no.2, pp.157-165, 2006 (SCI-Expanded)
- XI. **Sublethal effects of organophosphate diazinon on the brain of Cyprinus carpio**
Oruc E., Uner N., Sevgiler Y., Usta D., Durmaz H.
DRUG AND CHEMICAL TOXICOLOGY, vol.29, no.1, pp.57-67, 2006 (SCI-Expanded)
- XII. **Oxidative stress-related and ATPase effects of etoxazole in different tissues of Oreochromis niloticus**
Uner N., Oruc E., Sevgiler Y.
ENVIRONMENTAL TOXICOLOGY AND PHARMACOLOGY, vol.20, no.1, pp.99-106, 2005 (SCI-Expanded)
- XIII. **Evaluation of etoxazole toxicity in the liver of Oreochromis niloticus**
Sevgiler Y., Oruc E., Uner N.
PESTICIDE BIOCHEMISTRY AND PHYSIOLOGY, vol.78, no.1, pp.1-8, 2004 (SCI-Expanded)
- XIV. **Tissue-specific oxidative stress responses in fish exposed to 2,4-D and azinphosmethyl**

Oruc E., Sevgiler Y., Uner N.

COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY C-TOXICOLOGY & PHARMACOLOGY, vol.137, no.1, pp.43-51, 2004 (SCI-Expanded)

XV. **Comparison of Na⁺K⁺-ATPase activities and malondialdehyde contents in liver tissue for three fish species exposed to azinphosmethyl**

Oruc E., Uner N., Tamer L.

BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, vol.69, no.2, pp.271-277, 2002 (SCI-Expanded)

XVI. **Marker enzyme assesment in the liver of Cyprinus carpio (L.) exposed to 2,4-D and azinphosmethyl**

Oruc E., Uner N.

JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, vol.16, no.4, pp.182-188, 2002 (SCI-Expanded)

XVII. **Effects of cypermethrin on antioxidant enzyme activities and lipid peroxidation in liver and kidney of the freshwater fish, Oreochromis niloticus and Cyprinus carpio (L.)**

Uner N., Oruc E., Canli M., Sevgiler Y.

BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, vol.67, no.5, pp.657-664, 2001 (SCI-Expanded)

XVIII. **Combined effects of 2,4-D and azinphosmethyl on antioxidant enzymes and lipid peroxidation in liver of Oreochromis niloticus**

Oruc E., Uner N.

COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY C-TOXICOLOGY & PHARMACOLOGY, vol.127, no.3, pp.291-296, 2000 (SCI-Expanded)

XIX. **Effects of 2,4-diamin on some parameters of protein and carbohydrate metabolisms in the serum, muscle and liver of Cyprinus carpio**

Oruc E., Uner N.

ENVIRONMENTAL POLLUTION, vol.105, no.2, pp.267-272, 1999 (SCI-Expanded)

XX. **Effects of azinphosmethyl on some biochemical parameters in blood, muscle, and liver tissues of Cyprinus carpio (L.)**

Oruc E., Uner N.

PESTICIDE BIOCHEMISTRY AND PHYSIOLOGY, vol.62, no.1, pp.65-71, 1998 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

I. **Oreochromis niloticusda artan sıcaklık stresinde azoxystrobin ve difenconazole karışım uygulamalarının geri döndürülebilir hematolojik ve biyokimyasal toksik etkileri**

ORUÇ E., KAYA A. B.

International Biological Agricultural and Life Science Congress 2023, Turkey, 18 September - 20 December 2023

II. **REVERSIBLE HEMATOLOGICAL AND BIOCHEMICAL TOXIC EFFECTS OF AZOXYSTROBIN AND DIFENCONAZOLE MIXTURE EXPOSURES IN OREOCHROMIS NILOTICUS UNDER INCREASED HEAT STRESS**

Oruç E.

V. INTERNATIONAL AGRICULTURAL, BIOLOGICAL, LIFE SCIENCE CONFERENCE, Edirne, Turkey, 18 September - 23 November 2023, pp.1216-1223

III. **Oxidative stress related kidney toxicity of a glyphosate-based herbicide**

ORUÇ E., KOCAMAZ D., İNCEMAN M., GÖNLÜŞEN G.

International Biological Agricultural and Life Science Congress, 7 - 08 November 2019

IV. **The combined effects of urea-based herbicide Linuron and elevated temperature an biological responses and stress biomarkers**

ORUÇ E., KOCAMAZ D., İNCEMAN M., GÖNLÜŞEN G.

XXVII. Balkan Klinik Laboratuvar Federasyonu Kongresi XXX. Türk Biyokimya Derneği Ulusal Biyokimya Kongresi, 27 - 31 October 2019

- V. **Hematological and biochemical changes in Cyprinus carpio exposed to sub-lethal concentrations of pyriproxyfen**
KAYA A. B., KOCAMAZ D., ORUÇ E.
53rd Congress of the European-Societies-of-Toxicology (EUROTOX), Bratislava, Slovakia, 10 - 13 September 2017, vol.280
- VI. **Adverse effects of roundup, a glyphosate herbicide, on reproductive hormone system and antioxidant enzymes of tilapia, Oreochromis niloticus**
KOCAMAZ D., Kaya A. B., ORUÇ E.
53rd Congress of the European-Societies-of-Toxicology (EUROTOX), Bratislava, Slovakia, 10 - 13 September 2017, vol.280
- VII. **Hematological and Biochemical Changes in Cyprinus carpio Exposed to Sub-lethal Concentrations of Pyriproxyfen**
KOCAMAZ D., Kaya A. B., Oruç E.
EUROTOX 2017, Bratislava, Slovakia, 10 - 13 September 2017, pp.1
- VIII. **Alloxazin ve Al III kompleksinin Sentezi ile Asetilkolinesteraz İnhibitör Özelliklerinin İncelenmesi**
Karabulut s., YILDIZ E., ORUÇ E., öztürk d., PINAR N.
1st International Mediterranean Science and engineering congress., 26 - 28 October 2016
- IX. **Alloxazin ve Al III kompleksinin Sentezi ile Asetilkolinesteraz İnhibitör Özelliklerinin İncelenmesi October 26 28 2016 Adana TURKEY**
karabulut s., YILDIZ E., ORUÇ E., öztürk d., PINAR N.
1st International Mediterranean Science and Engineering Congress, 26 October - 28 December 2016
- X. **The effects of thiamethoxam and lambda cyhalothrin, individually or in combination, on biomarkers of oxidative stress, neurotoxicity and endocrine disruption of liver of Oreochromis niloticus**
KOCAMAZ D., Oruç E.
EUROTOX2016, Seville, Spain, 4 - 07 September 2016, pp.1
- XI. **The effects of thiamethoxam and lambda cyhalothrin individually or in combination onbiomarkers of oxidative stress neurotoxicity and endocrin disruption in the liver of Oreochromisniloticus**
ORUÇ E., KOCAMAZ D.
Turk Toksikoloji Derneği, 4 - 07 September 2016
- XII. **Epigenetik Mekanizmalar Epigenetik Araştırma Yöntemleri**
ORUÇ E.
Çukurova Biyoteknoloji Günleri, Turkey, 15 - 16 March 2016
- XIII. **Earl life stress induced sex specific changes in histone acetylation and expression of synaptic plasticity genes in the mouse hippocampus**
DERYA K., NİCOLE G., AA L., KORKMAZ K. S., KATHARINA B., JÖRG B., ORUÇ E.
31st Ernst Klenk Symposium, 27 - 29 September 2015

Supported Projects

ORUÇ E., YILMAZ M. B., KÜPELİ S., LÜLEYAP H. Ü., TULİ A., GİZİR G., ERDOĞAN Ş., AYDIN F., KARTLAŞMIŞ K., DÜNDAR YENİLMEZ E., Project Supported by Higher Education Institutions, Nöroblastoma için zenginleştirilmiş mezenkimal kök hücre eksozomlarının geliştirilmesi ve terapötik etkilerinin belirlenmesi, 2024 - Continues

KOCAMAZ D., ORUÇ E., TAŞBOZAN O., ERBAŞ C., ARIKAN B., Kocamaz S., Project Supported by Higher Education Institutions, Bakteriyel keratinolitik enzimler aracılığıyla hidrolize edilen tavuk tüyü hidrolizatlarının balık yem kompozisyonlarında alternatif protein kaynağı olarak kullanımı, 2023 - Continues

ORUÇ E., EU Framework Program Project, Stem cells, 2017 - Continues

ORUÇ E., Project Supported by Higher Education Institutions, Oreochromis niloticusda artan sıcaklık stresinde azoxystrobin ve difenconazole karışım uygulamalarının geri döndürülebilir hematolojik ve biyokimyasal toksik etkileri, 2021 - 2023

ORUÇ E., Mudher Kareem ALJBORI A., Project Supported by Higher Education Institutions, Alzheimer Hastalarında BDNF

Protein ve D Vitamini Düzeylerinin Araştırılması, 2020 - 2022

ORUÇ E., Beyazaslan M., Project Supported by Higher Education Institutions, FARKLI SICAKLIKLARDA LİNURON ETKİSİNDE KALAN Cyprinus carpio'DA BİYOKİMYASAL CEVAPLAR, 2018 - 2022

ORUÇ E., KOCAMAZ D., Project Supported by Higher Education Institutions, Subletal Glifosat maruziyetinde Oreochromis niloticus'ta nörotoksisite ve biyokimyasal cevaplar, 2018 - 2020

ORUÇ E., Project Supported by Higher Education Institutions, The effects of thiamethoxam and lambda cyhalothrin individually or in combination on biomarkers of oxidative stress and endocrin disruption in the liver of Oreochromis niloticus, 2016 - 2017

ORUÇ E., Project Supported by Higher Education Institutions, Oreochromis'in farklı dokularında, 2013 - 2017

ORUÇ E., Project Supported by Higher Education Institutions, Pyriproxyfen Etkisine Bırakılan Cyprinus carpio'da Oksidatif Stress, Protein Karbonilasyonu ve Reprodaktif Endokrin Bozunma, 2012 - 2017

ORUÇ E., Project Supported by Higher Education Institutions, Metal oksid nanopartiküllerine maruz bırakılan Pimephales promelas'ta transkripsiyonel ve fizyolojik cevaplar, 2015 - 2016

ORUÇ E., Project Supported by Higher Education Institutions, Miyelodisplastik sendromlu hastalarda MTHFR gen polimorfizimlerinin değerlendirilmesi, 2013 - 2016

ORUÇ E., Project Supported by Higher Education Institutions, Lufenuronun Oreochromis niloticus'ta glutatyon, malondialdehit, protein karbonil ve serum steroid hormon miktarlarına etkisi, 2012 - 2015

ORUÇ E., Project Supported by Higher Education Institutions, Ankilozan Spondilit Hastalarında Mevalonat Kinaz Gen Polimorfizimlerinin Araştırılması, 2013 - 2014

ORUÇ E., Other International Funding Programs, Methylation and Demethylation of, 2011 - 2012

Metrics

Publication: 33

Citation (WoS): 1015

Citation (Scopus): 1079

H-Index (WoS): 16

H-Index (Scopus): 16

Scholarships

Araştırma Bursu, Official Institutions of Foreign Countries, 2012 - Continues

Doktora Sonrası Araştırma Bursu, NATO, 2010 - Continues

Non Academic Experience

Çukurova Üniversitesi

University of Florida

The State University of New Jersey, Rutgers

Çukurova Üniversitesi Fen Edebiyat Fakültesi

Çukurova Üniversitesi Fen Edebiyat Fakültesi

Çukurova Üniversitesi Fen Bilimleri Enstitüsü