

Prof. CAHİT ERDEM

Personal Information

Office Phone: [+90 322 338 6084](tel:+903223386084) Extension: 2457

Email: cerdem@cu.edu.tr

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

Education Information

Doctorate, University of Glasgow, Science Faculty, Biology, United Kingdom 1978 - 1982

Undergraduate, Ankara University, Fen Fakültesi, Biyoloji, Turkey 1974 - 1978

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Studies on the Biology and Habitat of the Benthic Estuarine Amphipod *Corophium volutator* (Pallas). ,
Glasgow University, Science Faculty, Biology, 1982

Research Areas

Hydrobiology, Marine Biology, Life Sciences, Environmental Biology, Environmental Pollution, Ecotoxicology, Biological Oceanography, Limnology, Fresh-Water Biology, Natural Sciences

Academic Titles / Tasks

Professor, Cukurova University, Fen-Edebiyat Fakültesi, Biyoloji, 1992 - Continues

Academic and Administrative Experience

Cukurova University, Mersin Üniversitesi, Su Ürünleri Fakültesi, 1996 - 1999

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Effects of Lead on Reproduction Physiology and Liver and Gonad Histology of Male *Cyprinus carpio***
KORKMAZ C., AY Ö., DÖNMEZ A. E., Demirbag B., ERDEM C.
BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, vol.108, pp.685-693, 2022 (SCI-Expanded)
- II. **Influence of Lead on Reproductive Physiology and Gonad and Liver Histology of Female *Cyprinus carpio***

KORKMAZ C., AY Ö., DÖNMEZ A. E., Demirbag B., ERDEM C.

THALASSAS, vol.36, no.2, pp.597-606, 2020 (SCI-Expanded)

- III. **Heavy metal levels in muscle tissues of some fish species caught from north-east Mediterranean: Evaluation of their effects on human health**
KORKMAZ C., AY Ö., Ersoysal Y., Koroglu M. A., ERDEM C.
JOURNAL OF FOOD COMPOSITION AND ANALYSIS, vol.81, pp.1-9, 2019 (SCI-Expanded)
- IV. **Heavy Metal Levels in some Edible Crustacean and Mollusk Species Marketed in Mersin**
KORKMAZ C., AY Ö., Colakfakioglu C., ERDEM C.
THALASSAS, vol.35, no.1, pp.65-71, 2019 (SCI-Expanded)
- V. **Copper Accumulation in Tissues of Oreochromis niloticus Exposed to Copper Oxide Nanoparticles and Copper Sulphate with Their Effect on Antioxidant Enzyme Activities in Liver**
Tuncsoy M., ERDEM C.
WATER AIR AND SOIL POLLUTION, vol.229, no.8, 2018 (SCI-Expanded)
- VI. **Effects of Copper Oxide Nanoparticles on Antioxidant Enzyme Activities and on Tissue Accumulation of Oreochromis niloticus**
Tuncsoy M., DURAN S., Ay O., Cicik B., ERDEM C.
BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, vol.99, no.3, pp.360-364, 2017 (SCI-Expanded)
- VII. **Heavy Metal Levels in Muscle Tissues of Solea solea, Mullus barbatus, and Sardina pilchardus Marketed for Consumption in Mersin, Turkey**
Korkmaz C., Ay O., Colakfakioglu C., Cicik B., ERDEM C.
WATER AIR AND SOIL POLLUTION, vol.228, no.8, 2017 (SCI-Expanded)
- VIII. **Accumulation of Copper in Gill, Liver, Spleen, Kidney and Muscle Tissues of Clarias gariepinus Exposed to the Metal Singly and in Mixture with Chitosan**
Tuncsoy M., DURAN S., Ay O., Cicik B., ERDEM C.
BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, vol.97, no.4, pp.486-489, 2016 (SCI-Expanded)
- IX. **Attributes of trees used by nesting and foraging woodpeckers (Aves: Picidae) in an area with old pollarded Oaks (Quercus spp.) in the Taurus Mountains, Turkey**
Bergner A., Sunnergren A., YESILBUDAK B., ERDEM C., Jansson N.
ZOOLOGY IN THE MIDDLE EAST, vol.62, no.4, pp.288-298, 2016 (SCI-Expanded)
- X. **SHORT TERM EFFECTS OF ZINC ON SOME SERA BIOCHEMICAL PARAMETERS AND ON TISSUE ACCUMULATION OF Clarias gariepinus**
Tuncsoy M., DURAN S., YESILBUDAK B., Ay O., Cicik B., ERDEM C.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.25, no.2, pp.658-664, 2016 (SCI-Expanded)
- XI. **EFFECTS OF COPPER AND LEAD ON SOME HEMATOLOGICAL PARAMETERS OF Oreochromis niloticus**
Ciftci N., Karayakar F., Ay O., Cicik B., ERDEM C.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.24, no.9, pp.2771-2775, 2015 (SCI-Expanded)
- XII. **METAL ACCUMULATION IN VARIOUS TISSUES OF Clarias gariepinus EXPOSED TO COPPER, ZINC, CADMIUM AND LEAD SINGLY AND IN MIXTURE**
DURAN S., Tuncsoy M., YESILBUDAK B., Ay O., Cicik B., ERDEM C.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.24, no.12C, pp.4738-4742, 2015 (SCI-Expanded)
- XIII. **EFFECTS OF ZINC AND CADMIUM ON CONDITION FACTOR, HEPATOSOMATIC AND GONADOSOMATIC INDEX OF Oreochromis niloticus**
Ciftci N., Ay O., Karayakar F., Cicik B., ERDEM C.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.24, pp.3871-3874, 2015 (SCI-Expanded)
- XIV. **EFFECTS OF COPPER AND LEAD APPLIED SINGLY AND IN MIXTURE WITH CHITOSAN ON SOME SERA PARAMETERS OF Clarias gariepinus**
Tuncsoy M., DURAN S., Ay O., Cicik B., ERDEM C.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.24, no.9A, pp.3029-3034, 2015 (SCI-Expanded)
- XV. **Cadmium Accumulation in Gill, Liver, Kidney and Muscle Tissues of Common Carp, Cyprinus carpio,**

and Nile Tilapia, Oreochromis niloticus

YESILBUDAK B., ERDEM C.

BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, vol.92, no.5, pp.546-550, 2014 (SCI-Expanded)

- XVI. **ACCUMULATION OF COPPER, ZINC AND CADMIUM IN LIVER, GILL AND MUSCLE TISSUES OF OREOCHROMIS NILOTICUS EXPOSED TO THESE METALS SEPARATELY AND IN MIXTURE**
Tuncsoy M., ERDEM C.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.23, no.5, pp.1143-1149, 2014 (SCI-Expanded)
- XVII. **EFFECTS OF SUBLETHAL CONCENTRATIONS OF COPPER, ZINC AND CADMIUM, APPLIED SINGLY AND IN MIXTURE, ON SOME HEMATOLOGICAL PARAMETERS OF OREOCHROMIS NILOTICUS (L., 1758)**
DURAN S., ERDEM C.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.22, pp.2977-2980, 2013 (SCI-Expanded)
- XVIII. **Accumulation and Effect of Chromium on Protein and Glycogen Levels of Palaemonetes pugio**
Ciftci N., Karaytug S., Karayakar F., Ay O., CiciK B., ERDEM C.
JOURNAL OF ANIMAL AND VETERINARY ADVANCES, vol.11, no.1, pp.74-77, 2012 (SCI-Expanded)
- XIX. **ACCUMULATION OF CHROMIUM IN HEPATOPANCREAS, GILL AND MUSCLE TISSUES OF Callinectes sapidus**
Ciftci N., CiciK B., ERDEM C., Ay O., Karayakar F., Karaytug S.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.20, pp.1089-1092, 2011 (SCI-Expanded)
- XX. **Accumulation of Chromium in Liver, Gill and Muscle Tissues of Oreochromis niloticus**
Ciftci N., CiciK B., ERDEM C., Ay O., Gunalp C.
JOURNAL OF ANIMAL AND VETERINARY ADVANCES, vol.9, no.14, pp.1958-1960, 2010 (SCI-Expanded)
- XXI. **Accumulation of Copper in Liver, Gill and Muscle Tissues of Anguilla anguilla (Linnaeus, 1758)**
Karayakar F., CiciK B., Ciftci N., Karaytug S., ERDEM C., Ozcan A. Y.
JOURNAL OF ANIMAL AND VETERINARY ADVANCES, vol.9, no.17, pp.2271-2274, 2010 (SCI-Expanded)
- XXII. **Effects of Cadmium on Sera Glucose and Cortisol Levels in Clarias gariepinus (Burchell, 1822)**
Karaytug S., Karayakar F., Ciftci N., CiciK B., Ay O., ERDEM C.
JOURNAL OF ANIMAL AND VETERINARY ADVANCES, vol.9, no.16, pp.2159-2162, 2010 (SCI-Expanded)
- XXIII. **HEAVY METAL LEVELS IN FIVE SPECIES OF FISH CAUGHT FROM MERSIN GULF**
Karayakar F., Karaytug S., CiciK B., ERDEM C., Ay O., Ciftci N.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.19, no.10, pp.2222-2226, 2010 (SCI-Expanded)
- XXIV. **Seasonal variation in copper, zinc, chromium, lead and cadmium levels in hepatopancreas, gill and muscle tissues of the mussel Brachidontes pharaonis fischer, collected along the Mersin coast, Turkey**
KARAYAKAR F., Erdem C., CICIK B.
BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, vol.79, no.3, pp.350-355, 2007 (SCI-Expanded)
- XXV. **Accumulation of cadmium in the gill, liver, kidney, spleen, muscle and brain tissues of Cyprinus carpio**
Karaytug S., ERDEM C., CiciK B.
EKOLOJI, vol.16, no.63, pp.16-22, 2007 (SCI-Expanded)
- XXVI. **Effects of copper on hepatosomatic index, gonadosomatic index and condition factor of Oreochromis niloticus-(L. 1758)**
Karaytug S., ERDEM C., CiciK B., Ay O.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.16, pp.1355-1358, 2007 (SCI-Expanded)
- XXVII. **Effects of different concentrations of copper alone and a copper plus cadmium mixture on the accumulation of copper in the gill, liver, kidney and muscle tissues of Oreochromis niloticus (L.)**
SAGLAMTIMUR B., CICIK B., Erdem C.
TURKISH JOURNAL OF VETERINARY & ANIMAL SCIENCES, vol.27, no.4, pp.813-820, 2003 (SCI-Expanded)
- XXVIII. **Effect of cadmium accumulation on total protein levels in Tilapia nilotica**
KALAY M., Erdem C.

- TURKISH JOURNAL OF VETERINARY & ANIMAL SCIENCES, vol.27, no.6, pp.1367-1374, 2003 (SCI-Expanded)
- XXIX. **THE EFFECT OF MERCURY ON COROPHIUM-VOLUTATOR VIABILITY AND UPTAKE**
MEADOWS P., ERDEM C.
MARINE ENVIRONMENTAL RESEARCH, vol.6, no.3, pp.227-233, 1982 (SCI-Expanded)
- XXX. **THE INFLUENCE OF MERCURY ON THE BURROWING BEHAVIOR OF COROPHIUM-VOLUTATOR**
ERDEM C., MEADOWS P.
MARINE BIOLOGY, vol.56, no.3, pp.233-237, 1980 (SCI-Expanded)

Articles Published in Other Journals

- I. **Comparison to Toxic Effects of Copper Oxide Nanoparticles and Copper Sulphate on Some Serum Parameters and Enzyme Activities of Oreochromis niloticus**
TUNÇSOY M., Erdem C.
JOURNAL OF ANATOLIAN ENVIRONMENTAL AND ANIMAL SCIENCES, vol.6, no.4, pp.514-521, 2021 (Peer-Reviewed Journal)
- II. **The Sea in the Middle of Lands**
ERDEM C.
MEDITERRANEAN FISHERIES AND AQUACULTURE RESEARCH, vol.1, no.1, pp.31-34, 2018 (Peer-Reviewed Journal)
- III. **Plastics in Marine Environment**
KORKMAZ C., AY Ö., ERDEM C.
International Journal of Oceanography Aquaculture, vol.2, no.2, 2018 (Peer-Reviewed Journal)
- IV. **Bioaccumulation of Zinc in Kidney Tissue of Common Carp Cyprinus carpio L 1758**
Yesilbudak B., ERDEM C.
Journal of Selcuk University Natural and Applied Science, pp.19-24, 2013 (Peer-Reviewed Journal)
- V. **EFFECTS OF CHROMIUM ON THE HEMATOCRIT LEVELS AND ERYTHROCYTE NUMBERS OF CYPRINUS CARPIO**
CİCİK B., ÇİFTÇİ N., ERDEM C., AY Ö., Günalp C.
Ecological, 2010 (Peer-Reviewed Journal)
- VI. **Effects of lead concentrations on sera parameters and hematocrit levels in Anguilla anguilla Linnaeus 1758**
ÇİFTÇİ N., CİCİK B., ERDEM C., AY Ö.
JOURNAL OF FISH SCIENCE, 2008 (Peer-Reviewed Journal)
- VII. **Cladocera and Copepoda Crustacea Fauna of atalan Dam Lake Adana Turkey**
Aladağ A. T., ERDEM C., Karaytuğ S.
E.Ü. Su Ürünleri Dergisi, 2006 (Peer-Reviewed Journal)
- VIII. **Clarias gariepinus Burchell 1822 da kadmiyum un solungaç karaciğer böbrek dalak ve kas dokularındaki birikimi ve arıtımı**
ERDEM C., CİCİK B., Karayakar S., KARAYAKAR F., KARAYTUĞ S.
Eğirdir Su Ürünleri Fakültesi Dergisi, 2005 (Peer-Reviewed Journal)
- IX. **Bakır Çinko Etkileşiminde Tilapia nilotica nın karaciğer kas ve solungaç dokularındaki Metal Birikimi**
KARĞIN F., ERDEM C.
Doğa Tr. J. Zool., 1992 (Peer-Reviewed Journal)
- X. **A comparative study on the accumulation of copper in liver spleen stomach intestine gill and muscle tissues of Cyprinus carpio and Tilapia nilotica**
ERDEM C., KARĞIN F.
Biyokimya Dergisi, 1992 (Peer-Reviewed Journal)
- XI. **Accumulation of Copper in Liver,Spleen,Stomach,Intestine,Gill and Muscle Tissues of Cyprius carpio**
KARGIN F., ERDEM C.
Doğa-Tr. J. of Zoology, vol.15, pp.306-314, 1991 (Peer-Reviewed Journal)

- XII. **Accumulation of copper in liver spleen stomach intestine gill and muscle of *Cyprinus carpio***
KARĞIN F., ERDEM C.
Doga Tr J Zool, 1991 (Peer-Reviewed Journal)
- XIII. **Accumulation of Copper in Different Tissues and Organs of *Tilapia nilotica***
KARGIN F., ERDEM C.
Doğa-Tr. J. Of Zoology, vol.14, pp.173-178, 1990 (Peer-Reviewed Journal)
- XIV. **Effects of Copper on *Tilapia nilotica* (L) 1758; Uptake and Mortality**
KARGIN F., ERDEM C.
Çukurova Üniversitesi Fen Bilimleri Dergisi, vol.3, no.2, pp.53-66, 1989 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **İçsularıda Tuzluluk**
YORULMAZ B., ERGÖNÜL M. B., ATASAĞUN S., ERDEM C., GÜNAL A. Ç., FİKİRDEŞİCİ ERGEN Ş., MANGIT F., GÜNER U., KALYONCU H., YERLİ S. V., et al.
in: LİMNOLOJİ Göl ve Nehir Ekosistemleri, Doç.Dr. Mehmet Borga ERGÖNÜL, Editor, Nobel Akademik Yayıncılık Eğitim Danışmanlık Tic. Ltd. Şti., Ankara, pp.169-186, 2017

Refereed Congress / Symposium Publications in Proceedings

- I. ***Cyprinus carpio*'xxda Kurşunun Üreme Fizyolojisine Etkileri**
KORKMAZ C., AY Ö., DÖNMEZ A. E., DEMİRBAĞ B., ERDEM C.
International Engineering, Science and Education Conferences (INESEC), 14 - 17 November 2018
- II. **Accumulation of copper oxide nanoparticles in gill, liver and muscle tissues of *Clarias gariepinus***
DURAN S., Tuncsoy M., Ay O., Cicik B., ERDEM C.
53rd Congress of the European-Societies-of-Toxicology (EUROTOX), Bratislava, Slovakia, 10 - 13 September 2017, vol.280
- III. **Effects of copper oxide nanoparticles on antioxidant enzyme activities in liver tissue of *Clarias gariepinus***
Tuncsoy M., DURAN S., Ay O., Cicik B., ERDEM C.
53rd Congress of the European-Societies-of-Toxicology (EUROTOX), Bratislava, Slovakia, 10 - 13 September 2017, vol.280
- IV. **Effects of copper oxide nanoparticles on antioxidant enzyme activities in gill and liver tissues of *Oreochromis niloticus***
Tuncsoy M., Duran S., Ay O., Cicik B., Erdem C.
52nd Congress of the European-Societies-of-Toxicology (EUROTOX), Sevilla, Spain, 4 - 07 September 2016, vol.258
- V. **Accumulation of copper oxide nanoparticles in gill liver and muscle tissues of *Oreochromis niloticus***
TUNÇSOY M., DURAN S., GOMES T., SOUSA V., TEIXEIRA M. R., BEBIANNO M. J., ERDEM C.
8th International Nanotoxicology Congress, Boston, United States Of America, 1 - 04 June 2016
- VI. **Accumulation of copper in gill, liver, spleen, kidney and muscle tissues of *Clarias gariepinus* exposed to the metal singly and with mixture of chitosan**
TUNCSOY M., DURAN S., Ay I., Cicik B., ERDEM C.
51st Congress of the European-Societies-of-Toxicology (EUROTOX), Porto, Portugal, 13 - 16 September 2015, vol.238
- VII. **Effects of copper and lead singly and with mixture of chitosan on some sera parameters of *Clarias gariepinus***
Tuncsoy M., DURAN S., Ay O., Cicik B., ERDEM C.
50th Congress of the European-Societies-of-Toxicology, Edinburgh, Saint Helena, 7 - 10 September 2014, vol.229

Supported Projects

- ERDEM C., TUNÇSOY M., Duran S., Project Supported by Higher Education Institutions, Titanium dioksit nanopartikülünün *Clarias gariepinus*da antioksidan enzim aktiviteleri ve doku birikimi üzerine etkisi, 2017 - 2019
- ERDEM C., Duran S., TUNÇSOY M., Project Supported by Higher Education Institutions, Bakır oksit nanopartikülünün *Clarias gariepinus*'da antioksidan enzim aktiviteleri doku birikimi ve bazı serum parametreleri üzerine etkisi, 2016 - 2019
- ERDEM C., Project Supported by Higher Education Institutions, Effects of copper oxide nanoparticles on antioxidant enzyme activities in liver tissues of *Clarias gariepinus*, 2017 - 2018
- ERDEM C., TUNÇSOY M., Duran S., Project Supported by Higher Education Institutions, Bilimsel Yayın Teşvik Desteği, 2017 - 2018
- ERDEM C., Project Supported by Higher Education Institutions, BAKIR OKSİT NANOPARTİKÜLLERİ VE BAKIR SÜLFAT ETKİSİNDE *Oreochromis niloticus*'un DOKULARINDA SÜREYE BAĞLI BAKIR BİRİKİMİNİN BAZI SERUM PARAMETRELERİ İLE SERUM VE KARACİĞER ENZİM AKTİVİTELERİ ÜZERİNE ETKİLERİ, 2013 - 2018
- ERDEM C., Project Supported by Higher Education Institutions, ÇİNKO (Zn), KADMİYUM (Cd) VE KARIŞIMLARININ *Clarias gariepinus* VE *Oreochromis niloticus*'un DOKULARINDAKİ METAL AKÜMÜLASYONU, ELİMİNASYONU VE BAZI HEMATOLOJİK PARAMETRELER ÜZERİNE ETKİLERİ, 2013 - 2018
- ERDEM C., CANLI M., Project Supported by Higher Education Institutions, FARKLI KALSİYUM DERİŞİMLERİNDE *O. niloticus*'un SOLUNGAC, BAĞIRSAK VE KAS DOKULARINDAKİ ATPaz AKTİVİTELERİ ÜZERİNE BAZI AĞIR METALLERİN ETKİLERİ, 2013 - 2018
- ERDEM C., TUNÇSOY M., Duran S., Project Supported by Higher Education Institutions, Bakır oksit nanopartikülünün *Oreochromis niloticus*ta doku birikimi ve antioksidan enzim aktiviteleri üzerine etkisi, 2016 - 2017
- ERDEM C., Project Supported by Higher Education Institutions, AĞIR METALLERİN *Lymnaea stagnalis* VE *Clarias gariepinus*'DA ÇEŞİTLİ FİZYOLOJİK VE BİYOKİMYASAL PARAMETRELER ÜZERİNE ETKİLERİ, 2012 - 2017
- ERDEM C., Project Supported by Higher Education Institutions, Effects of copper oxide nanoparticles on antioxidant enzyme activities in gill and liver tissues of *Oreochromis niloticus*, 2016 - 2016
- ERDEM C., Project Supported by Higher Education Institutions, Bilimsel Yayın Teşvik Desteği, 2016 - 2016
- ERDEM C., TUNÇSOY M., Project Supported by Higher Education Institutions, Accumulation of copper in gill liver spleen kidney and muscle tissues of *Clarias gariepinus* exposed to the metal singly and with mixture of chitosan., 2015 - 2016
- ERDEM C., Project Supported by Higher Education Institutions, Uluslararası Yayınları Özendirme Desteği (3 Adet), 2014 - 2016

Metrics

Publication: 52

Citation (WoS): 181

Citation (Scopus): 176

H-Index (WoS): 8

H-Index (Scopus): 7