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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 Orechromis 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. **İçsularda 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 Danışmalık 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, Titanyum dioksit nanopartikülünün Clarias gariepinusda 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 SOLUNGAÇ, 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 niloticusta 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

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H-Index (Scopus): 7