

Prof. MEHMET BORGA ERGÖNÜL

Personal Information

Office Phone: [+90 312 212 6720](tel:+903122126720) Extension: 1177

Web: <https://avesis.ankara.edu.tr/borga>

International Researcher IDs

ORCID: 0000-0002-0263-9129

Publons / Web Of Science ResearcherID: AAG-9729-2020

ScopusID: 10639826900

Yoksis Researcher ID: 106640

Education Information

Doctorate, Ankara University, Fen Bilimleri Enstitüsü, Biyoloji (Dr), Turkey 2004 - 2011

Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, Biyoloji (Yl) (Tezli), Turkey 2001 - 2004

Undergraduate, Ankara University, Fen Fakültesi, Biyoloji Bölümü, Turkey 1998 - 2001

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Natural Sciences

Academic Titles / Tasks

Associate Professor, Ankara University, Fen Fakültesi, Biyoloji Bölümü, 2015 - Continues

Research Assistant, Ankara University, Fen Fakültesi, Biyoloji Bölümü, 2002 - Continues

Academic and Administrative Experience

Deputy Head of Department, Ankara University, 2015 - 2017

Courses

Uzmanlık Alan Dersi, Postgraduate, 2015 - 2016

Balık Hastalıkları, Undergraduate, 2015 - 2016, 2014 - 2015

General Biology Lab., Undergraduate, 2015 - 2016

General Biology, Undergraduate, 2015 - 2016

Biyoloji, Undergraduate, 2015 - 2016

Genel Zooloji, Undergraduate, 2014 - 2015

Advising Theses

ERGÖNÜL M. B., *Daphnia magna* model organizması üzerinde çinko oksit nanopartikül (ZnO NP) toksisitesinin mikrokozm yaklaşımı kullanılarak değerlendirilmesi, Postgraduate, Ö.YILDIRIM(Student), 2021

ERGÖNÜL M. B., Assessing the potential of *Egeria densa* for phytoremediation of zinc oxide nanoparticles contaminated water, Postgraduate, D.DİLBAZ(Student), 2020

ERGÖNÜL M. B., Investigation of phytoremediation potential of aquatic plant: *Pistia stratiotes* L. exposed to cadmium, lead and cadmium-lead mixtures, Postgraduate, D.NASSOUHI(Student), 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Lemna trisulca L.: a novel phytoremediator for the removal of zinc oxide nanoparticles (ZnO NP) from aqueous media**
ERGÖNÜL M. B., Nassouhi D., ÇELİK M., Dilbaz D., Sazli D., ATASAĞUN S.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.29, no.60, pp.90852-90867, 2022 (SCI-Expanded)
- II. **A comparison of the removal efficiencies of *Myriophyllum spicatum* L. for zinc oxide nanoparticles (ZnO NP) in different media: a microcosm approach**
ERGÖNÜL M. B., Nassouhi D., ÇELİK M., ATASAĞUN S.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.28, no.7, pp.8556-8568, 2021 (SCI-Expanded)
- III. **Biological assessment of some wadable rivers in Turkey using fish data: a statistical approach**
ERGÖNÜL M. B., Breine J., Van den Bergh E., Bahceci H.
ENVIRONMENT DEVELOPMENT AND SUSTAINABILITY, vol.22, no.8, pp.7385-7425, 2020 (SCI-Expanded)
- IV. **Modeling of the bioaccumulative efficiency of *Pistia stratiotes* exposed to Pb, Cd, and Pb plus Cd mixtures in nutrient-poor media**
Ergönül M. B., Nassouhi D., Atasagun S.
INTERNATIONAL JOURNAL OF PHYTOREMEDIATION, vol.22, no.2, pp.201-209, 2020 (SCI-Expanded)
- V. **ALTERATIONS IN HEMATOLOGICAL, IMMUNOLOGICAL AND BIOCHEMICAL PARAMETERS OF TENCH, *TINCA TINCA* AFTER ACUTE ZINC EXPOSURE**
Ergonul M. B., Altindag A., Atasagun S., Shah S. L., Karacakaya P.
JOURNAL OF ANIMAL AND PLANT SCIENCES, vol.28, no.5, pp.1357-1363, 2018 (SCI-Expanded)
- VI. **THE SEASONAL VARIATIONS OF HEAVY METAL ACCUMULATION IN THE TENCH (*TINCA TINCA*, L., 1758) AND PIKE (*ESOX LUCIUS*, L., 1758) OF ASARTEPE DAM LAKE, TURKEY**
Karacakaya P., ERGÖNÜL M. B., ATASAĞUN S.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.26, no.12A, pp.706-712, 2017 (SCI-Expanded)
- VII. **The Effects of Chronic Low Level Zinc (Zn) Exposure on the Hematological Profile of Tench, *Tinca tinca* L., 1758**
ERGÖNÜL M. B., ATASAĞUN S.
TRENDS IN FISHERIES AND AQUATIC ANIMAL HEALTH, pp.324-333, 2017 (SCI-Expanded)
- VIII. **Rotifera and Cladocera fauna of several lakes from the Central Anatolia, Marmara, and Western Black Sea regions of Turkey**
ERGÖNÜL M. B., Erdogan S., ALTINDAĞ A., ATASAĞUN S.
TURKISH JOURNAL OF ZOOLOGY, vol.40, no.2, pp.141-146, 2016 (SCI-Expanded)
- IX. **Heavy Metal Concentrations in the Muscle Tissues of Seven Commercial Fish Species from Sinop Coasts of the Black Sea**
ERGÖNÜL M. B., ALTINDAĞ A.
ROCZNIK OCHRONA SRODOWISKA, vol.16, pp.34-51, 2014 (SCI-Expanded)
- X. **The acute toxicity of zinc chloride on *daphnia magna* straus**
ERGÖNÜL M. B., ATASAĞUN S., Beşer T.
Gazi University Journal of Science, vol.25, no.2, pp.313-316, 2012 (SCI-Expanded)
- XI. **Alterations in the hematological and biochemical parameters and plasma ion concentrations of**

common carp, (*Cyprinus carpio* L., 1758) after short term exposure to sub-lethal concentrations of lead Kurşunun sub-lethal dozlarına maruz bırakılan sazan balıklarında (*Cyprinus carpio* L., 1758) hematolojik ve biyokimyasal parametreler ve plazma İyon konsantrasyonlarındaki değişimler
ERGÖNÜL M. B., ATASAĞUN S., Kocatürk K.

Kafkas Üniversitesi Veteriner Fakültesi Dergisi, vol.18, no.2, pp.297-302, 2012 (SCI-Expanded)

- XII. **Is prophylactic formalin exposure a stress source for gilthead sea bream (*Sparus aurata*) and sea bass (*Dicentrarchus labrax*)? Profilaktik amaçla formaline maruz bırakma çipura (*Sparus aurata*) ve levrek (*Dicentrarchus labrax*) için stres kaynağı mıdır?**

Yavuzcan Yıldız H., ERGÖNÜL M. B.

Ankara Üniversitesi Veteriner Fakültesi Dergisi, vol.57, no.2, pp.113-118, 2010 (SCI-Expanded)

- XIII. **The growth features of chub *Squalius cephalus* and comparison of five different condition indices**
Yigit S., ERGÖNÜL M. B., ALTINDAĞ A.

CYBIUM, vol.32, no.4, pp.317-319, 2008 (SCI-Expanded)

- XIV. **The acute toxicity of lead nitrate on *Daphnia magna* Straus**
ALTINDAĞ A., ERGÖNÜL M. B., Yigit S., Baykan O.

AFRICAN JOURNAL OF BIOTECHNOLOGY, vol.7, no.23, pp.4298-4300, 2008 (SCI-Expanded)

- XV. **Seasonal fluctuations in the zooplankton composition of a eutrophic lake: Lake Marmara (Manisa, Turkey)**

Yıldız Ş., ALTINDAĞ A., ERGÖNÜL M. B.

Turkish Journal of Zoology, vol.31, no.2, pp.121-126, 2007 (SCI-Expanded)

- XVI. **The zooplankton community of lake Mogan, Turkey**

Altindag A., Yigit S., Ergonul M. B.

Journal of Freshwater Ecology, vol.22, no.4, pp.709-711, 2007 (SCI-Expanded)

- XVII. **The occurrence and dynamics of *Ligula intestinalis* in its cyprinid. fish host, tench, *Tinca tinca*, in Mogan Lake (Ankara, Turkey)**

Ergonul M. B., Altindag A.

VETERINARNI MEDICINA, vol.50, no.12, pp.537-542, 2005 (SCI-Expanded)

- XVIII. **The effects of *Ligula intestinalis* plerocercoids on the growth features of tench, *Tinca tinca***
Ergonul M. B., Altindag A.

Turkish Journal of Veterinary and Animal Sciences, vol.29, no.6, pp.1337-1341, 2005 (SCI-Expanded)

- XIX. **Six rotifer species new for the Turkish fauna**

ALTINDAĞ A., Kaya M., ERGÖNÜL M. B., Yiğit S.

Zoology in the Middle East, vol.36, no.1, pp.99-104, 2005 (SCI-Expanded)

Articles Published in Other Journals

- I. **A Comprehensive Review on Microplastic Pollution in Aquatic Ecosystems and Their Effects on Aquatic Biota**

Sazlı D., Nassouhi D., ERGÖNÜL M. B., ATASAĞUN S.

Aquatic Sciences and Engineering, vol.38, no.1, pp.12-46, 2023 (ESCI)

- II. **Length-weight relationships of two threatened *Gobio* species endemic to Turkey: *Gobio insuayanus* Ladiges and *Gobio microlepidotus* Battalgil**

Ergönül M. B., Breine J., Atasagun S.

Archives of Polish Fisheries, vol.27, no.3, pp.118-121, 2019 (Scopus)

- III. **A technical guide to develop a statistically valid fish-based index in compliance with the water framework directive: an evaluation for Turkish freshwaters**

ERGÖNÜL M. B., Breine J., Van den Bergh E.

INTERNATIONAL AQUATIC RESEARCH, vol.10, no.4, pp.303-319, 2018 (ESCI)

- IV. **Ağır metal kirliliğinin biyoremediasyonunda sucul makrofitlerin kullanımı**

Nassouhi D., Ergönül M. B., Fikirdeşici Ergen Ş., Karacakaya P., Atasagun S.

ACTA AQUATICA TURCICA, vol.14, no.2, pp.148-165, 2018 (Peer-Reviewed Journal)

V. Rotifer Fauna of Gediz River Basin Turkey

ERGÖNÜL M. B., Erdoğan S., ALTINDAĞ A., ATASAĞUN S.

World Journal of Fish and Marine Sciences, vol.7, no.1, pp.69-73, 2015 (Peer-Reviewed Journal)

VI. Changes of non-specific immune parameters in rainbow trout, *Oncorhynchus mykiss*, after exposure to antimicrobial agents used in aquaculture

Yildiz H. Y., Guzey I. M., ERGÖNÜL M. B.

Journal of Applied Aquaculture, vol.21, no.3, pp.139-150, 2009 (Scopus)

Books & Book Chapters

I. Plankton Komüniteleri: Zooplankton ve Balıklarla Etkileşimleri

ALTINDAĞ A., ERGÖNÜL M. B.

in: Limnoloji, Mehmet Borgia Ergönül, Editor, Nobel Akademik Yayınları, Ankara, pp.396-484, 2017

Refereed Congress / Symposium Publications in Proceedings

I. Stress response and gill tissue alteration of gilthead sea bream following to high ammonia exposure

YAVUZCAN H., KARASU BENLİ A. Ç., ERGÖNÜL M. B.

Aquaculture Europe 2007, Competing Claims, İstanbul, Turkey, 24 - 27 October 2007

II. Stress responses of Siberian sturgeon *Acipenser baerii* to sublethal nitrite exposure

altunay s., YAVUZCAN H., ERGÖNÜL M. B.

HYDROMEDIT 2nd International Congress on Applied Ichthyology and Environment, 10-12 November 2016, Messolonghi, Yunanistan., 10 - 12 November 2016

III. Alterations in thrombocyte counts and clotting time of Tench *Tinca tinca* after Chronic Zinc Exposure

ERGÖNÜL M. B., YAVUZCAN H., ATASAĞUN S.

."HYDROMEDIT 2nd International Congress on Applied Ichthyology and Environment, 10-12 November 2016, Messolonghi, Yunanistan., 10 - 12 November 2016

IV. Gökkuşığı Alabalıklarında *Oncorhynchus mykiss* Bazı Kan Parametrelerinin Referans Değerleri

YAVUZCAN H., MERİÇ TURGUT İ., ERGÖNÜL M. B., KESKİN E.

1. Ulusal Alabalık Sempozyumu, Isparta, Turkey, 14 - 16 October 2008, vol.1, pp.60

V. Characterisation of Plasma Chemistry and Mucus Lysozyme Activity for Tench *tinca tinca* L 1758 Exposed to Leteux Meyer Mixture

YAVUZCAN H., MERİÇ TURGUT İ., ERGÖNÜL M. B.

Aquaculture Europe 2007, İstanbul, Turkey, 24 - 27 October 2007, vol.1, pp.358-359

VI. Stress response and gill tissue alteration of gilthead sea bream (*Sparus auratus*) following to high ammonia exposure

GÜNAL A. Ç., YAVUZCAN H., SEPİCİ DİNÇEL A., ERGÖNÜL M. B., SERT S. C.

Aquaculture Europe 2007, İstanbul, Turkey, 24 - 27 September 2007

Metrics

Publication: 37

Citation (WoS): 72

Citation (Scopus): 160

H-Index (WoS): 7

H-Index (Scopus): 9