

## Assoc. Prof. ŐEYDA FİKİRDEŐİCİ ERGEN

### Personal Information

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

### International Researcher IDs

ORCID: 0000-0002-4623-1256

Publons / Web Of Science ResearcherID: HJI-3654-2023

ScopusID: 55251747100

Yoksis Researcher ID: 43624

### Education Information

Doctorate, Ankara University, Fen Bilimleri Enstitüsü, Biyoloji (Dr), Turkey 2010 - 2016

Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, Biyoloji (Yl) (Tezli), Turkey 2007 - 2010

Undergraduate, Ankara University, Fen Fakóltesi, Biyoloji Bölümü, Turkey 2002 - 2007

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, *Pachygrapsus marmoratus* (Fabricius, 1787) (Ordu-Karadeniz) dokularında ağır metal birikimi ve birikimin profili, Ankara University, Fen Bilimleri Enstitüsü, Biyoloji (Dr), 2016

Postgraduate, Kadmiyum, arsenik ve kadmiyum-arsenik karışımının *Daphnia magna* (Straus 1820) (Cladocera, Crustacea) üzerine akut toksik etkilerinin araştırılması, Ankara University, Fen Bilimleri Enstitüsü, Biyoloji (Yl) (Tezli), 2010

### Research Areas

### Academic Titles / Tasks

Associate Professor, Ankara University, Fen Fakóltesi, Biyoloji Bölümü, 2023 - Continues

### Courses

SEMINAR IN BIOLOGY, Undergraduate, 2022 - 2023

Sediment Toksikolojisi, Postgraduate, 2022 - 2023

Water Literacy, Undergraduate, 2021 - 2022

ACADEMIC PRESENTATION SKILLS, Undergraduate, 2022 - 2023

Water Literacy, Undergraduate, 2021 - 2022

BOTANİK, Undergraduate, 2018 - 2019

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Does eating fish cause cancer? A case study metal(loid)s accumulation in mackerel and sardine tissues from İskenderun Bay, Türkiye**  
FİKİRDEŞİCİ ERGEN Ş., ALTINDAĞ A., Baş Y. S.  
Environmental Monitoring and Assessment, vol.195, no.9, 2023 (SCI-Expanded)
- II. **Elemental accumulation in the surficial sediment of Kesikkopru, cubuk II and Asartepe Dam Lakes (Ankara) and potential sediment toxicity**  
FİKİRDEŞİCİ ERGEN Ş., Tekatli C., GÜRBÜZER P., ucuncu-Tunca E., TÜRE H., Biltekin D., KURTULUŞ B., TUNCA E.  
CHEMISTRY AND ECOLOGY, vol.37, no.6, pp.552-572, 2021 (SCI-Expanded)
- III. **Correlation profile of the heavy metal distribution in the Pontastacus leptodactylus tissues**  
FİKİRDEŞİCİ ERGEN Ş.  
ANAIS DA ACADEMIA BRASILEIRA DE CIENCIAS, vol.92, no.2, 2020 (SCI-Expanded)
- IV. **The effect of Saharan dust on the copper uptake by Lemna minor**  
RASHİDİ A., FİKİRDEŞİCİ ERGEN Ş., KARAKAŞ M., Saydam A. C., ALTINDAĞ A.  
ARCHIVES OF ENVIRONMENTAL PROTECTION, vol.45, no.4, pp.84-91, 2019 (SCI-Expanded)
- V. **ASSESSMENT OF HEAVY METAL CONTAMINATION IN SURFACE SEDIMENT FROM THE MIDDLE BLACK SEA COAST OF TURKEY**  
FİKİRDEŞİCİ ERGEN Ş., KARAKAŞ M., ALTINDAĞ A., MUTLU EYİSON H.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.28, no.11, pp.8001-8011, 2019 (SCI-Expanded)
- VI. **Bioremediation of heavy metal contaminated medium using Lemna minor, Daphnia magna and their consortium**  
FİKİRDEŞİCİ ERGEN Ş., Ucuncu-Tuncab E., KAYA M., TUNCA E.  
CHEMISTRY AND ECOLOGY, vol.34, no.1, pp.43-55, 2018 (SCI-Expanded)
- VII. **Nanotoxicity modelling and removal efficiencies of ZnONP**  
FİKİRDEŞİCİ ERGEN Ş., Tunca E. U.  
INTERNATIONAL JOURNAL OF PHYTOREMEDIATION, vol.20, no.1, pp.16-26, 2018 (SCI-Expanded)
- VIII. **Effects of Ozone Treatment on the Degradation and Toxicity of Several Pesticides in Different Groups**  
VELİOĞLU Y. S., FİKİRDEŞİCİ ERGEN Ş., Aksu P., ALTINDAĞ A.  
JOURNAL OF AGRICULTURAL SCIENCES-TARIM BİLİMLERİ DERGİSİ, vol.24, no.2, pp.245-255, 2018 (SCI-Expanded)
- IX. **Interactions between metals accumulated in the narrow-clawed crayfish Astacus leptodactylus (Eschscholtz, 1823) in Dikilitas Lake, Turkey**  
FİKİRDEŞİCİ ERGEN Ş., Tunca E. U., Ozkan A. D., Olmez T. T., Acaroz E., ALTINDAĞ A., Tekinay T., TUNCA E.  
CHEMISTRY AND ECOLOGY, vol.31, no.5, pp.455-465, 2015 (SCI-Expanded)
- X. **N-acetyl-beta-D-glucosaminidase activity in feral Carcinus maenas exposed to cadmium**  
Mesquita S. R., FİKİRDEŞİCİ ERGEN Ş., Rodrigues A. P., Teresa Oliva-Teles M., Delerue-Matos C., Guimaraes L.  
AQUATIC TOXICOLOGY, vol.159, pp.225-232, 2015 (SCI-Expanded)
- XI. **Toxicity of lanthanum oxide (La<sub>2</sub>O<sub>3</sub>) nanoparticles in aquatic environments**  
Balusamy B., ERTİT TAŞTAN B., FİKİRDEŞİCİ ERGEN Ş., UYAR T., Tekina T.  
ENVIRONMENTAL SCIENCE-PROCESSES & IMPACTS, vol.17, no.7, pp.1265-1270, 2015 (SCI-Expanded)
- XII. **Phytoremediation of Cu, Cr and Pb Mixtures by Lemna minor**  
Ucuncu E., Tunca E., FİKİRDEŞİCİ ERGEN Ş., Ozkan A. D., ALTINDAĞ A.  
BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, vol.91, no.5, pp.600-604, 2013 (SCI-Expanded)
- XIII. **DECREASE AND INCREASE PROFILE OF CU, CR AND PB DURING STABLE PHASE OF REMOVAL BY DUCKWEED (LEMNA MINOR L.)**  
Ucuncu E., Tunca E., FİKİRDEŞİCİ ERGEN Ş., Altindag A.  
INTERNATIONAL JOURNAL OF PHYTOREMEDIATION, vol.15, no.4, pp.376-384, 2013 (SCI-Expanded)
- XIV. **Investigation of acute toxicity of cadmium-arsenic mixtures to Daphnia magna with toxic units**

**approach Kadmiyum-arsenik karışımlarının Daphnia magna üzerine akut toksik etkilerinin toksik birim yaklaşımı ile incelenmesi**

FİKİRDEŞİCİ ERGEN Ş., ALTINDAĞ A., Özdemir E.

Turkish Journal of Zoology, vol.36, no.4, pp.543-550, 2012 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Determination of Metal(loid)s in Mavi Dam Lake Sediment (Ankara) and Evaluation of Health Risks Level**  
Fikirdeşici Ergen Ş., Tekatlı D. Ç., Altındağ A., Kamışlı G., A. K., Tunca E.  
Kahramanmaraş Sütçü İmam Üniversitesi Tarım ve Doğa Dergisi, vol.26, no.5, pp.1010-1020, 2023 (ESCI)
- II. **SEDIMENT-FRIENDLY FORMULAS: A REVIEW ON THE SEDIMENT QUALITY GUIDELINES**  
FİKİRDEŞİCİ ERGEN Ş.  
Communications Faculty of Sciences University of Ankara Series C Biology, vol.29, no.2, pp.202-212, 2020 (Peer-Reviewed Journal)
- III. **New Records for Tardigrada Species from the High Mountain Region in Turkey (Mount Verçenik, Rize)**  
Tekatlı Ç., BERDİ D., FİKİRDEŞİCİ ERGEN Ş., GÜRBÜZER P., ALTINDAĞ A.  
Journal of Limnology and Freshwater Fisheries Research, vol.6, no.1, pp.30-37, 2020 (Peer-Reviewed Journal)
- IV. **METAL ACCUMULATION PROFILE IN CRAYFISH TISSUES FROM ÇOMAR STREAM**  
Fikirdeşici Ergen Ş., Mutlu Eyison H., Altındağ A.  
Communications/ Faculty of Sciences University of Ankara Series C: Biology and Geological Engineering and Geophysical Engineering, vol.28, no.1, pp.114-127, 2019 (Peer-Reviewed Journal)
- V. **CORRELATION PROFILES OF THE ACCUMULATED METALS IN SEAWATER, SEDIMENT AND Pachygrapsus marmoratus (Fabricius) TISSUES IN BLACK SEA (ORDU, TURKEY)**  
FİKİRDEŞİCİ ERGEN Ş., ALTINDAĞ A., KARABODUK K., Biler L., TUNCA E.  
Trakya University Journal of Natural Sciences, vol.19, no.2, pp.187-195, 2018 (Peer-Reviewed Journal)
- VI. **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)
- VII. **ÇİNKO OKSİT NANOPARTİKÜLÜ İLE ÇİNKO Klorür'ÜNDaphnia magna (Straus) ÜZERİNE AKUT TOKSİK ETKİLERİ**  
FİKİRDEŞİCİ ERGEN Ş.  
Trakya University Journal of Natural Sciences, vol.18, no.2, pp.149-153, 2017 (Peer-Reviewed Journal)
- VIII. **OZONLU SUYLA YIKAMANIN DOMATESLERDE PESTİSİT GİDERİMİ ASKORBİK ASİT VE RENK ÜZERİNE ETKİLERİ**  
VELİOĞLU Y. S., Cönger E., Aksu P., FİKİRDEŞİCİ ERGEN Ş., Yiğit Baltacı H. M.  
GIDA, vol.41, no.5, pp.337-344, 2016 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Limnoloji Göl ve Nehir Ekosistemleri**  
ERGÖNÜL M. B., ALTINDAĞ A., ATASAĞUN S., SOLAK C. N., FİKİRDEŞİCİ ERGEN Ş., Akanil N., Yerli S., Yorulmaz B., Barlas M., Nassouhi D., et al.  
Nobel, 2017

## Refereed Congress / Symposium Publications in Proceedings

- I. **Evaluation of Metal(loid) Accumulation in the Surficial Sediment of Mavi Lake, Ankara**  
FİKİRDEŞİCİ ERGEN Ş., TEKATLI Ç., ALTINDAĞ A., Döngel K., Kamışlı G., TUNCA E.  
36th Congress of the International Society of Limnology, Berlin, Germany, 07 August 2022
- II. **Accumulation of Heavy Metals in Different Tissues of *Astacus leptodactylus* from Yeniçağa Lake, Bolu Turkey**  
FİKİRDEŞİCİ ERGEN Ş.  
International Symposium on Fisheries and Aquatic Sciences (FABA), Ankara, Turkey, 21 - 23 November 2018
- III. ***Pachygrapsus marmoratus* Dokularındaki Metal-Metal İlişkisinin Metabolik Yollarla Değerlendirilmesi.**  
FİKİRDEŞİCİ ERGEN Ş., ALTINDAĞ A., TUNCA E.  
VIII. Ulusal Limnoloji Sempozyumu, Sakarya, Turkey, 27 - 29 August 2018
- IV. **Remediasyon Çalışmalarında Bitki Büyüme Oranı Hesabının Önemi/ 2018, Şeyda Fikirdeşici Ergen**  
FİKİRDEŞİCİ ERGEN Ş., Üçüncü Tunca E., ALTINDAĞ A.  
VIII. Ulusal Limnoloji Sempozyumu, Sakarya, Turkey, 27 - 29 August 2018
- V. **Detection of Some Heavy Metal Levels in the Yeniçağa Lake**  
FİKİRDEŞİCİ ERGEN Ş.  
International Symposium Ecology 2018, 19 - 23 June 2018
- VI. **Metal status in the Kesik Köprü Dam Lake**  
FİKİRDEŞİCİ ERGEN Ş., Üçüncü Tunca E., Tekatlı Ç., GÜRBÜZER P., TUNCA E.  
International Symposium Ecology 2018, Kastamonu, Turkey, 19 - 23 June 2018
- VII. **Zinc oxide nanoparticle (ZnONP) removal by the *Azolla filiculoides***  
FİKİRDEŞİCİ ERGEN Ş.  
EurasianBioChem 2018, Ankara, Turkey, 26 - 27 April 2018
- VIII. ***Lemna minor*'un bakır kirliliğinde kullanımı atmosferik toz ilişkisi**  
Rashidi A., FİKİRDEŞİCİ ERGEN Ş., SAYDAM A. C., ALTINDAĞ A.  
12. Ulusal Çevre Mühendisliği Kongresi, Ankara, Turkey, 5 - 07 October 2017
- IX. **NEW RECORDS OF TARDIGRADA SPECIES FROM THE TURKISH FAUNA VERÇENİK TURKEY**  
Tekatlı Ç., Özer D., YILDIZ P., FİKİRDEŞİCİ ERGEN Ş., ALTINDAĞ A.  
FABA 2016: International Symposium on Fisheries and Aquatic Sciences, 3 - 05 November 2016
- X. **New Records of Tardigrada Species the Turkish Fauna Verçenik Turkey**  
TEKATLI Ç., ÖZER D., YILDIZ P., FİKİRDEŞİCİ ERGEN Ş., ALTINDAĞ A.  
FABA 2016 International Symposium on Fisheries and Aquatic Science, 3 - 05 November 2016
- XI. **Metal Analysis of Natural and Laboratory Conditions and Determination of Some Antioxidant Enzyme Levels of *Astacus Leptodactylus***  
FİKİRDEŞİCİ ERGEN Ş., Mesquita S., Acaröz E., ALTINDAĞ A., TEKİNAY T., TUNCA E., Guimaraes L.  
2nd International Congress of Forensic Toxicology, 26 - 30 May 2016
- XII. **The Impact of Different Growth Media on the Phytoremediation of Cu by Both *Lemna minor* and Atmospheric Dust**  
Rashidi A., FİKİRDEŞİCİ ERGEN Ş., SAYDAM A. C., ALTINDAĞ A.  
2nd International Congress of Forensic Toxicology, Ankara, Turkey, 26 - 30 May 2016
- XIII. **Tardigrades taken from soil and rock moss samples in Safranbolu Karabük**  
Tekatlı Ç., ALTINDAĞ A., FİKİRDEŞİCİ ERGEN Ş., YILDIZ P., ÖREN M.  
13th International Symposium On Tardigrada, Modena, Italy, 23 - 26 June 2015
- XIV. **A New Record of Tardigrada from Turkey Çubuk 2 Dam Ankara**  
FİKİRDEŞİCİ ERGEN Ş., Tekatlı Ç., YILDIZ P., ÖREN M., ALTINDAĞ A.  
13th International Symposium On Tardigrada, Modena, Italy, 23 - 26 June 2015
- XV. **Taxonomic studies on the species of Tardigrada in Soğuksu National Park Located in Kızılcahamam Ankara Turkey**  
Tekatlı Ç., FİKİRDEŞİCİ ERGEN Ş., YILDIZ P., ÖREN M., ALTINDAĞ A.  
13th International Symposium On Tardigrada, Modena, Italy, 23 - 26 June 2015
- XVI. **N acetyl d glucosaminidase activity in feral *Carcinus maenas* exposed to cadmium**

Mesquita R. S., FİKİRDEŞİCİ ERGEN Ş., Rodrigues A., Guimaraes L.

18th International Symposium of Pollutant Responses in Marine Organisms (PRIMO 18), Trondheim, Norway, 24 - 27 May 2015

- XVII. **Interrelation of heavy metal accumulation in tissues of *Astacus leptodactylus* Dikilitaş Lake Ankara**  
FİKİRDEŞİCİ ERGEN Ş., TUNCA E., ALTINDAĞ A., TEKİNAY T.  
FABA2014: International Symposium on Fisheries and Aquatic Sciences, Trabzon, Turkey, 25 - 27 September 2014
- XVIII. **Does ozone treatment reduce azoxystrobin toxicity Uman Ukrayna September 9 12 2014**  
FİKİRDEŞİCİ ERGEN Ş., VELİOĞLU Y. S.  
International Conference of Young Scientists Advances in Botany and Ecology, Uman, Ukraine, 9 - 12 September 2014
- XIX. **The effects of ozone treatment on chlorpyrifos degradation and toxicity**  
FİKİRDEŞİCİ ERGEN Ş., ALTINDAĞ A., VELİOĞLU Y. S.  
International Conference of Young Scientists Advances in Botany and Ecology, Uman, Ukrayna., Uman, Ukraine, 9 - 12 September 2014
- XX. **A Study on the Success of Fe Metal Bioremediation by *Daphnia magna* and *Lemna minor* Individually and Together**  
FİKİRDEŞİCİ ERGEN Ş., TUNCA E., KAYA M.  
ICOEST'2013 - CAPPADOCIA, Urgup, Turkey, Nevşehir, Turkey, 18 - 21 June 2013
- XXI. **Acute Toxic Effect of Aluminum Barium and Iron in Two Different Culture Media Containing *Daphnia magna* Alone or In Presence of *L. minor* on *D. magna***  
FİKİRDEŞİCİ ERGEN Ş., TUNCA E., KAYA M.  
ICOEST'2013 - CAPPADOCIA, Urgup, Turkey, Nevşehir, Turkey, 18 - 21 June 2013
- XXII. **Ağır Metal Karışımlarının *Lemna minor* Biyokütle İnhibisyonu**  
FİKİRDEŞİCİ ERGEN Ş., Üçüncü E., TUNCA E., Buyurgan Ö., ALTINDAĞ A.  
X. Ulusal Ekoloji ve Çevre Kongresi, Çanakkale, Turkey, 4 - 07 October 2011
- XXIII. **Sensitivity to cadmium of *Carcinus maenas* populations from two NW Portuguese estuaries with different levels of contamination**  
Mesquita S., FİKİRDEŞİCİ ERGEN Ş., Guilhermino L., Guimaraes L.  
SETAC Europe 21st Annual Meeting, Milano, Milan, Italy, 15 - 19 May 2011

## Scientific Refereeing

Ecotoxicology and Environmental Safety, SCI Journal, August 2024

## Metrics

Publication: 47

Citation (WoS): 154

Citation (Scopus): 177

H-Index (WoS): 9

H-Index (Scopus): 9

## Artistic Activity

FİKİRDEŞİCİ ERGEN Ş., 4007 Bilim Şenliği/Su Okulu, September 2017

FİKİRDEŞİCİ ERGEN Ş., 4. Ulusal Çevre Günleri/Su Okulu, May 2016

FİKİRDEŞİCİ ERGEN Ş., Researchers Night (Avrupa Birliği 7. Çerçeve Programı- Marie Curie ), September 2014

FİKİRDEŞİCİ ERGEN Ş., From Providence to Evidence, November 2012