

# SERDAR AKSAN

## RES. ASST.

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International Researcher IDs

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### Learning Knowledge

Postgraduate

2010 - 2013

Kocaeli University, Fen Bilimleri Enstitüsü, Biyoloji Anabilim Dalı, Turkey

Undergraduate

2001 - 2007

Eskisehir Osmangazi University, Fen-Edebiyat Fakültesi, Biyoloji Bölümü, Turkey

### Foreign Languages

English, C1 Advanced

### Dissertations

Postgraduate, Kocaeli ilinde satışı yapılan deniz ürünlerinde ağır metal konsantrasyonlarının belirlenmesi, Kocaeli Üniversitesi, Fen Bilimleri Enstitüsü, Biyoloji Anabilim Dalı, 2013

### Academic Titles / Tasks

Research Assistant

2010 - Continues

Kocaeli University, Fen Edebiyat Fakültesi, Biyoloji

### Supported Projects

- ARSLAN A., Kuru S., Salihoğlu E. Z., TOPKAYA E., SEZER M., AKSAN S., VELİ S., Project Supported by Higher Education Institutions, Evsel Atıksu Arıtma Tesisi Çıkış Sularında Mikroplastiklerin Tespiti ve Kontrol Yöntemleri, 2022 - 2023
- ERGÜL H. A., AKSAN S., Kaya M., Koral M., Project Supported by Higher Education Institutions, Marmara Denizi ve İzmit Körfezinde Görülen Yoğun Müsilaj Oluşumunun Nedenlerinin Araştırılması, 2022 - 2023
- Ergül H. A., Aksan S., Morkoyunlu A., Project Supported by Other Official Institutions, MARMARA HAVZASI BİYOLOJİK ÇEŞİTLİLİK İZLEME PROJESİ, 2020 - 2021
- Aksan S., Ergül H. A., Project Supported by Other Official Institutions, Sakarya Havzasında Su Kalitesi İzleme ve DSİ Kapasite Geliştirme Projesi, 2017 - 2019
- ERGÜL H. A., AKSAN S., Project Supported by Higher Education Institutions, OKYANUS ASİTLENMESİNİN DENİZ SALYANGOZU RAPANA VENOSA (VALENCIENNES, 1846) ÜZERİNDEKİ ETKİLERİ, 2017 - 2018
- Ergül H. A., Aksan S., ACEMİ A., MORKOYUNLU A., Project Supported by Other Official Institutions, Kocaeli İlinin

Karasal ve İç Su Ekosistemleri Biyolojik Çeşitlilik Envanter ve İzleme Projesi, 2015 - 2017

7. Demir A., Ergül H. A., Aksan S., Özkan N., Güray R. T., Project Supported by Higher Education Institutions, Yaşayan ve Yaşatan Bir Kocaeli İçin Çevresel Durum Analizi 2014 22, 2014 - 2016
8. Özkan N., Pekey B., Ergül H. A., Güray R. T., Yalçın C., Aksan S., Eşme A., Project Supported by Higher Education Institutions, Yaşayan ve Yaşatan Bir Gölcük için Çevresel Durum Analizi, 2014 - 2016
9. Ergül H. A., Aksan S., Karademir A., FP7 Project, Karadeniz Nehir Havzalarının Tarımsal Kirlenmelere Karşı Çevresel Korunması için Bölgesel İşbirliği Regional Cooperation for Black Sea Environment Protection from Agricultural Polluters, 2013 - 2016

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

1. **Investigation of microplastics in advanced biological wastewater treatment plant effluent**  
Arslan A., Topkaya E., Sezer M., Aksan S., Veli S.  
Marine Pollution Bulletin, vol.203, 2024 (SCI-Expanded)
2. **Assessment of Pesticide, Dioxin-like Polychlorinated Biphenyl, and Polycyclic Aromatic Hydrocarbon Existence around Galindez Island, and Comparison with the Organic Pollution Bibliography of the Antarctic Peninsula**  
ERGÜL H. A., Erdem T., Pelin E. G., Tonay A. M., AKSAN S., Ozturk B.  
SUSTAINABILITY, vol.14, no.7, 2022 (SCI-Expanded)
3. **Assessment of the consecutive harmful dinoflagellate blooms during 2015 in the Izmit Bay (the Marmara Sea)**  
Ergül H. A., Aksan S., Ipsiroglu M.  
ACTA OCEANOLOGICA SINICA, vol.37, no.8, pp.91-101, 2018 (SCI-Expanded)
4. **Boron Concentration in Water, Sediment and Different Organisms around Large Borate Deposits of Turkey**  
Emiroglu O., Cicek A., Arslan N., Aksan S., Ruzgar M.  
BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, vol.84, no.4, pp.427-431, 2010 (SCI-Expanded)

## Articles Published in Other Journals

1. **The early stage of mucilage formation in the Marmara Sea during spring 2021**  
Ergül H. A., Özdelice N., Koral M., Aksan S., Durmuş T., Kaya M., Kayal M., Ekmekçi F., Canlı O.  
Journal of the Black Sea/Mediterranean Environment, vol.27, no.2, pp.232-257, 2021 (Peer-Reviewed Journal)
2. **Invasive freshwater jellyfish has become established in artificial impoundments of Anatolian Peninsula**  
KİLLİ N., AKSU S., Kabadayı S. Ö., BAŞKURT S., EMİROĞLU Ö., ÖZTOPCU VATAN A. P., KURTUL I., AKSAN S., TARKAN A. S.  
TURKISH JOURNAL OF BIOSCIENCE AND COLLECTIONS, vol.5, no.2, pp.155-161, 2021 (Peer-Reviewed Journal)
3. **Assessment of element concentrations in widely consumed cultured fish in Turkey**  
Aksan S., Ergül H. A.  
EGE SU URUNLERI DERGISI, vol.30, pp.77-81, 2013 (Peer-Reviewed Journal)
4. **Evaluation of non essential element and micronutrient concentrations in seafood from the Marmara and Black Seas**  
Ergül H. A., Aksan S.  
Journal of the Black Sea/Mediterranean Environment, vol.19, pp.312-331, 2013 (Peer-Reviewed Journal)

1. **Denizel İklim Değişikliği Çalışmalarında Mezokozm Uygulamaları**  
AKSAN S., ERGÜL H. A.  
in: İKLİM DEĞİŞİKLİĞİ VE TÜRKİYE DENİZLERİ ÜZERİNE ETKİLERİ (CLIMATE CHANGE AND ITS EFFECTS ON TURKISH SEAS), Barış SALİHOĞLU, Bayram ÖZTÜRK, Editor, TÜDAV YAYINLARI, İstanbul, pp.208-214, 2021

### Refereed Congress / Symposium Publications in Proceedings

1. **Effect of Ocean Acidification on Morphometric Parameters of Marine Calcifying Organism**  
AKSAN S., ERGÜL H. A.  
5th International Environmental Chemistry Congress (EnviroChem), Antalya, Turkey, 30 October - 02 November 2023
2. **A Preliminary Study on Microplastic Pollution in an Organized Industrial Zone Offshore Sediment from South-East Coast of the Marmara Sea**  
ERGÜL H. A., ÇETİN S., AKSAN S.  
5th International Environmental Chemistry Congress (EnviroChem), Antalya, Turkey, 30 October 2023
3. **A Preliminary Study on Microplastic Pollution in Freshwater Streams of the Marmara Basin**  
ÇETİN S., KAYA M., AKSAN S., ERGÜL H. A.  
4th International Environmental Chemistry Congress (EnviroChem), Antalya, Turkey, 30 October - 03 November 2022, vol.1, pp.60-64
4. **Removal of Gaseous Styrene by Biotrickling Filter**  
ARDA C., KUYUMCU N., YILMAZ Ş., KARADEMİR A., AKSAN S., ERGÜL H. A.  
4th International Environmental Chemistry Congress (EnviroChem), Antalya, Turkey, 30 October 2022, vol.1, pp.58
5. **Invasive Biofouling Marine Species in The Izmit Bay**  
Yazıcı B., Aksan S., Ergül H. A.  
4th International Environmental Chemistry Congress (EnviroChem), Antalya, Turkey, 30 October - 03 November 2022, vol.1, pp.45-51
6. **İzmit Körfezi'nde Görülen Alg Çoğalmaları ve Ekolojik Kalite Üzerine Bir Çalışma**  
ERGÜL H. A., Koral M., Aldemir H., GÖKTAŞ R. K., AKSAN S.  
Marmara Denizi 2022 Sempozyumu, İstanbul, Turkey, 8 - 09 January 2022, pp.61-68
7. **Doğal Kıyı-Kenar Çizgisinin Ortadan Kalkmasının Marmara Denizi Özelinde Kirliliğe Etkisi**  
The Effect of the Disappearance of the Natural Coastal-Border Line on Pollution in the Marmara Sea  
Aksan S., Ergül H. A.  
MARMARA DENİZİ 2022 SEMPOZYUMU, İstanbul, Turkey, 04 January 2022, vol.1, pp.82-86
8. **İzmit Körfezi'nde Polisiklik Aromatik Hidrokarbon Akıbeti: Çok-Ortamlı Modelleme Verisi Elde Etmek için Gerçekleştirilen Saha Çalışmaları.**  
Polycyclic Aromatic Hydrocarbon Fate in İzmit Bay: Field Studies Conducted to Obtain Multimedia Modeling Data.  
Çavuşoğlu S., Aksan S., Bayköse A., Ayaz T., Tezyapar İ., Akyıldız H. B., Ergül H. A., Civan M., Birgül A., Pekey B., et al.  
MARMARA DENİZİ 2022 SEMPOZYUMU, İstanbul, Turkey, 04 January 2022, vol.1, pp.54-60
9. **İzmit Körfezi'nde Görülen Alg Çoğalmaları ve Ekolojik Kalite Üzerine Bir Çalışma**  
A Study on Algal Blooms and Ecological Quality in İzmit Bay  
Ergül H. A., İpşiroğlu Koral M., Aldemir H., Göktaş R. K., Aksan S.  
MARMARA DENİZİ 2022 SEMPOZYUMU, İstanbul, Turkey, 04 January 2022, vol.1, pp.61-68
10. **The Trophic Status Assessment of İzmit Bay (the Marmara Sea) Simultaneously with the Mucilage Formation Using Phytoplankton Biodiversity and TRIX**  
Ergül H. A., Koral M., Kaya M., Aksan S.  
3rd International Environmental Chemistry Congress (EnviroChem), Antalya, Turkey, 1 - 04 November 2021, vol.1, no.1, pp.56
11. **Low Cost Microcosm Setup for Marine Climate Change Studies**  
Aksan S., Ergül H. A.  
2nd International Environmental Chemistry Congress, Antalya, Turkey, 31 October - 03 November 2019, vol.1,

no.1, pp.25

12. **Preliminary Taxonomy of Macroinvertebrate Fauna of the Dil Creek**  
Ergül H. A., Bayköse A., Aldemir H., Aksan S.  
VII. UMTEB INTERNATIONAL CONGRESS ON VOCATIONAL TECHNICAL SCIENCES, Batumi, Georgia, 5 - 07 August 2019, vol.1, pp.70
13. **SEMIANNUAL MONITORING OF IZMIT BAY AFTER OIL SPILL**  
Aksan S., Ergül H. A., Aldemir H.  
ICOEST 2018, Kyiv, Ukraine, 19 - 23 September 2018, vol.1, pp.19
14. **Assessment of Total PAH Concentrations in Mussel Tissue After the Largest Oil Spill in İzmit Bay (the Marmara Sea)**  
Ergül H. A., Pelin E. G., Erdem T., Aksan S.  
INTERNATIONAL SYMPOSIUM ON ECOLOGY AND ENVIRONMENTAL PROBLEMS, Çanakkale, Turkey, 4 - 07 October 2017, vol.1, pp.9
15. **Fish fauna of some inland water bodies of Kocaeli Province, Turkey**  
AKSAN S., ERGÜL H. A.  
ISEEP-2017 VIII. INTERNATIONAL SYMPOSIUM ON ECOLOGY AND ENVIRONMENTAL PROBLEMS, Çanakkale, Turkey, 4 - 07 October 2017, vol.1, pp.90
16. **Autumn 2015 Plankton Bloom in İzmit Bay (Marmara Sea)**  
ERGÜL H. A., AKSAN S.  
The 3rd International Symposium on EuroAsian Biodiversity (SEAB-2017), 5 - 08 July 2017, vol.1
17. **Invasive Freshwater Fish of Kocaeli Province/TURKEY**  
Aksan S., Ergül H. A.  
The 3rd International Symposium on EuroAsian Biodiversity, Minsk, Belarus, 5 - 08 July 2017, vol.1, pp.181
18. **Adult and egg capsule size differences between *Rapana venosa* Valenciennes 1846 Gastropoda Muricidae from the Marmara Sea and the Black Sea**  
AKSAN S., ERGÜL H. A.  
INTERNATIONAL CONFERENCE ON BIOLOGICAL SCIENCES, Konya, Turkey, 21 - 23 October 2016
19. **Eutrophic State of the Eastern Basin of Izmit Bay the Marmara Sea in Autumn 2014**  
Ergül H. A., Ipsiroglu M., Aksan S.  
II. International Conference on Environmental Science and Technology, Belgrade, Serbia, 28 September - 02 October 2016
20. **Seasonal Distribution of Fish Species in a Recent Industrial Fishing Ban Area**  
Aksan S., Ergül H. A.  
II. International Conference on Environmental Science and Technology, Belgrade, Serbia, 28 September - 02 October 2016
21. **Measurement Of Natural And Cs-137 Radioactivity Concentrations At Izmit Bay (Marmara Sea), Turkey**  
Öksüz İ., Güray R. T., Ozkan N., Yalçın C., Ergül H. A., Aksan S.  
9th International Physics Conference of the Balkan-Physical-Union (BPU), İstanbul, Turkey, 24 - 27 August 2015, vol.1.722
22. **ASSESSMENT OF THE SPRING 2015 PLANKTON BLOOMS IN IZMIT BAY THE MARMARA SEA**  
Ergül H. A., Aksan S., Ipsiroglu M., Küçük A.  
3rd Science for the Environment Conference, Arhus, Denmark, 1 - 02 October 2015
23. **ASSESSMENT OF CONSECUTIVE PLANKTON BLOOMS ON MARCH AND APRIL 2014 IN IZMIT BAY (THE MARMARA SEA)**  
Ergül H. A., Aksan S., Ipsiroglu Koral M., Baysal A.  
HydroMedit 2014, Volos, Greece, 13 - 15 November 2014, vol.1, pp.127-131
24. **Contents of As Cd Hg and Pb in two cultured fish species from TURKEY**  
AKSAN S., ERGÜL H. A.  
1st International Congress of Applied Ichthyology & Aquatic Environment, Hydromedit 2014, Volos, Greece, 13 - 15 November 2014, vol.1, pp.99-101

25. **İzmit Körfezi'nde Bulunan Bazı Yengeç (Crustacea, Decapoda) Türlerinin Teşhisi İçin Görsel Rehber Oluşturulması**  
Aksan S., Ergül H. A.  
22. Ulusal Biyoloji Kongresi, Eskişehir, Turkey, 23 - 27 June 2014, vol.1, pp.1216
26. **Aşağı Sakarya Nehri'nin Bazı Fiziko-Kimyasal Özelliklerinin Araştırılması**  
Ergül H. A., Kılıç S., Aksan S., İpşiroğlu Koral M.  
22. Ulusal Biyoloji Kongresi, Eskişehir, Turkey, 23 - 27 June 2014, vol.1, pp.290
27. **LITHOGENIC AND BIOGENIC FLUX CHANGES IN DIL CREEK ESTUARINE (THE MARMARA SEA)**  
Ergül H. A., Küçük A., Çelebi G., Terzi M., Aksan S.  
CIESM 40, Marseille, France, 14 - 18 October 2013, vol.1, pp.290
28. **İzmit Körfezi Denizel Plankton Bolluğunun Biyojenik Silika Yardımıyla Değerlendirilmesi**  
Ergül H. A., Çelebi N. G., Aksan S., Küçük A., Balcı S.  
21. Ulusal Biyoloji Kongresi, İzmir, Turkey, 3 - 07 September 2012, vol.1, pp.239

### Tasks In Event Organizations

Gürbüz M., Taşdemir Ş., Çobanoğlu O., Aksan S., Çay İ., Kocaeli Science Congress, Scientific Congress, Kocaeli, Turkey, Ekim 2024

### Metrics

Publication: 38  
Citation (WoS): 42  
Citation (Scopus): 44  
H-Index (WoS): 2  
H-Index (Scopus): 2

### Research Areas

Marine Biology, Life Sciences, Hydrobiology, Natural Sciences

### Non Academic Experience

Kocaeli üniversitesi