

## Lect. PhD HASAN ÖREK

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Middle East Technical University, Institute of Marine Sciences, Marine Biology and Fisheries, Turkey 2000 - 2007

Postgraduate, Middle East Technical University, Institute of Marine Sciences, Marine Biology and Fisheries, Turkey 1997 - 2000

Undergraduate, Ege University, Su Ürünleri Fakültesi, Turkey 1992 - 1996

### Dissertations

Doctorate, Bio-optical characteristics of the Turkish seas, Middle East Technical University, Institute of Marine Sciences, Marine Biology and Fisheries, 2007

Postgraduate, An Application of mass balliuce ecopath model to the trophic structure in the blacic sea "after anchovy collapse, Middle East Technical University, Institute of Marine Sciences, Marine Biology and Fisheries, 2000

### Research Areas

Oceanography, Biological Oceanography (Marine Biology), Physical Oceanography

### Academic Titles / Tasks

Lecturer PhD, Middle East Technical University, Institute of Marine Sciences, Oceanography, 2020 - Continues

### Academic and Administrative Experience

Enstitü Müdür Danışmanı, Middle East Technical University, Institute of Marine Sciences, Oceanography, 2020 - Continues

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

- I. **Sources of the Levantine Intermediate Water in Winter 2019**  
Taillandier V., D'Ortenzio F., Prieur L., Conan P., Coppola L., Cornec M., Dumas F., Durrieu De Madron X., Fach Salihoğlu B. A., Fourrier M., et al.  
Journal of Geophysical Research: Oceans, vol.127, no.6, 2022 (SCI-Expanded)
- II. **Marker pigments and carbon biomass of phytoplankton on the northeastern Mediterranean Sea coast**  
Konucu M., Eker-Develi E., ÖREK H., Başduvar Ş., KIDEYŞ A. E.  
Journal of Experimental Marine Biology and Ecology, vol.550, 2022 (SCI-Expanded)
- III. **Water Mass Variability and Levantine Intermediate Water Formation in the Eastern Mediterranean Between 2015 and 2017**  
Fach Salihoğlu B. A., Örek H., Yilmaz E., Tezcan D., Salihoglu I., Salihoğlu B., Latif M. A.  
JOURNAL OF GEOPHYSICAL RESEARCH-OCEANS, vol.126, no.2, 2021 (SCI-Expanded)
- IV. **FOOD WEB STRUCTURE IN THE AEGEAN SEA AND THE TURKISH STRAITS SYSTEM AND UNDERSTANDING THE ROLE OF THE OCEAN ACIDIFICATION AS IMPORTANT DRIVER OF CHANGE IN BIOLOGICAL SYSTEMS**  
Zervoudaki S., Örek H., Krasakopoulou E., Assimakopoulou G., Fach -Salihoglu B. A., Papathanassiou E.  
JOURNAL OF ENVIRONMENTAL PROTECTION AND ECOLOGY, vol.15, no.4, pp.1641-1649, 2014 (SCI-Expanded)
- V. **Contribution to a bio-optical model for remote sensing of Lena River water**  
Örek H., Doerffer R., Rottgers R., Boersma M., Wiltshire K. H.  
BIOGEOSCIENCES, vol.10, no.11, pp.7081-7094, 2013 (SCI-Expanded)
- VI. **Copepod communities, production and grazing in the Turkish Straits System and the adjacent northern Aegean Sea during spring**  
Zervoudaki S., Christou E. D., Assimakopoulou G., Örek H., GÜCÜ A. C., Giannakourou A., Pitta P., TERBIYİK KURT T., Yücel N., Moutsopoulos T., et al.  
JOURNAL OF MARINE SYSTEMS, vol.86, no.3-4, pp.45-56, 2011 (SCI-Expanded)
- VII. **PREPARATION AND DISSEMINATION OF THE AVERAGED MAPS AND FIELDS OF SELECTED SATELLITE PARAMETERS FOR THE BLACK SEA WITHIN THE SeaDataNet PROJECT**  
Örek H., Myroshnychenko V.  
JOURNAL OF ENVIRONMENTAL PROTECTION AND ECOLOGY, vol.11, no.4, pp.1568-1578, 2010 (SCI-Expanded)
- VIII. **Habitat use and preliminary demographic evaluation of the critically endangered Mediterranean monk seal (*Monachus monachus*) in the Cilician Basin (Eastern Mediterranean)**  
Gucu A., Gucu G., Örek H.  
BIOLOGICAL CONSERVATION, vol.116, no.3, pp.417-431, 2004 (SCI-Expanded)

## **Articles Published in Other Journals**

- I. **CoCoNet: TOWARDS COAST TO COAST NETWORKS OF MARINE PROTECTED AREAS (FROM THE SHORE TO THE HIGH AND DEEP SEA), COUPLED WITH SEA-BASED WIND ENERGY POTENTIAL**  
Özyurt Tarakcioğlu G., Boero F., Fogliani F., Frascchetti S., Goriup P., Macpherson E., Planes S., Soukissian T., Adiloğlu B., Gween C., et al.  
SCIRES-IT-SCIENTIFIC RESEARCH AND INFORMATION TECHNOLOGY, vol.6, pp.1-95, 2016 (ESCI)

## **Books & Book Chapters**

- I. **Marmara Denizi'nin Geçirdiği Biyojeokimyasal Değişimler Bağlamında 2021 Müsilaj Patlaması, Güncel Baskılar ve Çözüm Önerileri**  
Yücel M., Özkan K., Fach B. A., Örek H., Mantıkçı M., Tezcan D., Akçay I., Özhan K., Arkin Ş. S., Tuğrul S., et al.  
in: Marmara Denizi'nin Ekolojisi: Deniz Salyası Oluşumu, Etkileşimleri ve Çözüm Önerileri, Muzaffer Şeker, İzzet Öztürk, Editor, TÜBA, pp.249-268, 2021

## Refereed Congress / Symposium Publications in Proceedings

- I. **Phosphorus build-up, nitrogen loss and sulfide accumulation in response to recent deep-water deoxygenation in the Sea of Marmara**  
Yücel M., Örek H., Alımlı N., Mantıkçı M., Özhan K., Fach B. A., Tezcan D., Örek Y., Kalkan E., Arkin Ş. S., et al.  
Goldschmidt 2023 Conference, Lyon, France, 9 - 14 July 2023
- II. **DIGITAL TWIN AND MANAGEMENT PLAN RECOMMENDATIONS FOR THE SEA OF MARMARA**  
SALİHOĞLU B., YÜCEL M., TEZCAN D., FACH B. A., ÖREK H., ARKIN Ş. S., ÖZHAN K., ÖZKAN K., Mantıkçı A. M.  
III. Ulusal Denizlerde İzleme ve Değerlendirme Sempozyumu, Antalya, Turkey, 6 - 09 December 2022, pp.39-40
- III. **DOĞU AKDENİZ'DE DOLAŞIM DESENLERİ VE SU KÜTLESİ OLUŞUMUNDA DEĞİŞKENLİK**  
BAŞDURAK N. B., FACH B. A., SALİHOĞLU B., ÖREK H., ÖZHAN K., MANTIKCI M., MANTIKCI M.  
III. Ulusal Denizlerde İzleme ve Değerlendirme Sempozyumu, Turkey, 6 - 09 December 2022
- IV. **KUZAY-DOĞU AKDENİZ KIYILARI FİTOPLANKTON DAĞILIMI**  
UYSAL Z., TUĞRUL S., ÖREK H., AKÇAY İ.  
III. Ulusal Denizlerde İzleme ve Değerlendirme Sempozyumu, Antalya, Turkey, 06 December 2022
- V. **Uydu Okyanus Renginin Marmara Denizi'ndeki Fitoplankton Üretim Değişikliklerinin Tespitinde Kullanımı: Uydu ve Yerinde Klorofil-a Verileri**  
OLĞUN KIYAK N., TARI U., MUSAOĞLU N., YAKAN DÜNDAR S. D., YALÇIN B., ÖREK H., Tok E., Bedir S.  
Turqua Türkiye Kuvaterner Sempozyumu, 02 November 2022
- VI. **The connection between Sea of Marmara biodiversity and mucilage occurrence incidence**  
Karahan A., Deliceirmak S., Esti M., Kalkan Tezcan E., Öztürk E., Örek H.  
8th Ecology and Evolutionary Biology Symposium 7-9 September 2022, Ankara, Turkey, Ankara, Turkey, 7 - 09 September 2022, pp.30
- VII. **MARMARA DENİZİ'NDE OKSİJENİN TÜKENMESİ VE MÜSİLAJIN ETKİLERİ**  
MANTIKÇI M., YÜCEL M., ÖREK H., UYSAL Z., KAZAK M., ARKIN Ş. S., SALİHOĞLU B.  
5. ULUSAL DENİZ BİLİMLERİ KONFERANSI, Trabzon, Turkey, 01 June 2022, pp.1-236
- VIII. **KARADENİZ TÜRKİYE KARASULARINDA MEVSİMSEL BİRİNCİL ÜRETİM**  
MANTIKÇI M., UYSAL Z., YÜCEL M., ÖREK H., SALİHOĞLU B.  
5. ULUSAL DENİZ BİLİMLERİ KONFERANSI, Trabzon, Turkey, 1 - 03 June 2022, pp.1-236
- IX. **SEA SURFACE TEMPERATURE VARIABILITY IN THE EAST MEDITERRANEAN AND BLACK SEAS BETWEEN 1979-2021**  
Latif M. A., Örek H., Salihoğlu B.  
V. Ulusal Deniz Bilimleri Konferansı, Trabzon, Turkey, 1 - 03 June 2022, pp.147-148
- X. **ANNUAL BUDGET OF CARBON DIOXIDE FLUXES IN THE NORTH-EAST MEDITERRANEAN SEA**  
Ibello V., Örek H.  
V. Ulusal Deniz Bilimleri Konferansı, Trabzon, Turkey, 1 June - 03 October 2022, pp.55-56
- XI. **CHANGES OBSERVED ON THE MARMARA SEA ECOSYSTEM DURING RECENT YEARS AND SOLUTIONS**  
Salihoğlu B., Yücel M., Örek H., Tuğrul S., Tezcan D.  
V. Ulusal Deniz Bilimleri Konferansı, Trabzon, Turkey, 1 - 03 June 2022, pp.199-200
- XII. **IMPACTS OF EUTROPHICATION ON BLACK SEA ECOSYSTEM: LONG-TERM CHANGES IN THE UPPER LAYER BIO-CHEMICAL PROPERTIES OVER THE DEEP BASIN**  
Salihoğlu B., Yücel M., Örek H., Tuğrul S.  
V. Ulusal Deniz Bilimleri Konferansı, Trabzon, Turkey, 1 - 03 June 2022, pp.83-84
- XIII. **MARMARA DENİZİNİN GÜNCEL OKSİJEN DURUMU VE MÜSİLAJIN ETKİSİ**  
MANTIKÇI M., ÖREK H., YÜCEL M., UYSAL Z., ARKIN Ş. S., SALİHOĞLU B.  
MARMARA DENİZİ 2022 SEMPOZYUMU, İstanbul, Turkey, 08 January 2022, pp.18-24
- XIV. **Recent oxygen loss and redox-dependent alteration of seafloor iron, sulfur, nitrogen and phosphorus biogeochemistry in the Sea of Marmara.**  
YÜCEL M., AKÇAY İ., ÖZKAN K., ÖREK H., TEZCAN D., ÖZHAN K., FACH B. A., Alımlı N., SEVGEN S., Mantıkçı M., et al.  
Ocean Science Meeting USA 2020, 16 - 19 February 2020
- XV. **Assessing CO2 air-sea fluxes and pH levels in the northeastern Mediterranean Sea**

Ibello V., Kocaman E., Özhan K., Örek H.

The Fourth Global Ocean Acidification Observing Network (GOA-ON) International Workshop, Hangzhou, China, 14  
- 17 April 2019

## **Metrics**

Publication: 26

Citation (WoS): 129

Citation (Scopus): 148

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