

# Prof. BETTINA ANDREA FACH SALİHOĞLU

## Personal Information

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## Education Information

Doctorate, Old Dominion University, Oşinografi, United States Of America 1996 - 2003

Postgraduate, Fachhochschule Wilhelmshaven, Precision Engineering, Precision Engineering, Germany 1991 - 1996

## Foreign Languages

English, C2 Mastery

German, C2 Mastery

## Dissertations

Doctorate, Modeling studies of Antarctic krill (*Euphausia superba*) survival during transport across the Scotia Sea and environs., Old Dominion University, Oşinografi, 2003

Postgraduate, Development of wind conditions in the German Bight since 1965 as an important environmental influence on the coastal area, Middle East Technical University, Precision Engineering, Environmental Engineering, 1996

## Research Areas

Marine Sciences and Technology, Oceanography, Physical Oceanography, Ocean Observation Systems, Ocean Modeling and Forecasting, Engineering and Technology

## Academic Titles / Tasks

Associate Professor, Middle East Technical University, Institute Of Marine Sciences, Oceanography, 2015 - Continues

Assistant Professor, Middle East Technical University, Institute Of Marine Sciences, Oceanography, 2009 - 2015

## Courses

INTRODUCTION TO PHYSICAL OCEANOGRAPHY, Postgraduate, 2018 - 2019, 2020 - 2021

INTRODUCTION TO OCEANOGRAPHY, Postgraduate, 2018 - 2019, 2019 - 2020

STRUCTURE AND FUNCTION OF MARINE ECOSYSTEMS, Postgraduate, 2017 - 2018, 2018 - 2019, 2019 - 2020

## Advising Theses

Fach Salihoğlu B. A. , INVESTIGATING THE RELATIVE IMPORTANCE OF MESOSCALE PHYSICAL PROCESSES FOR VERTICAL AND HORIZONTAL TRANSPORT IN THE BLACK SEA WITH THE IMPLEMENTATION OF A HIGH-RESOLUTION CIRCULATION MODEL , Doctorate, E.Sadighrad(Student), 2019

Fach Salihoğlu B. A. , INVESTIGATING PELAGIC FISH LARVAL DISPERSAL AND CONNECTIVITY IN THE BLACK SEA USING LAGRANGIAN DRIFTER MODELING., Postgraduate, B.Cağdaş(Student), 2019

SALİHOĞLU B., FACH SALİHOĞLU B. A. , Estimating the effect of krill on the southern ocean ecosystem functioning, Postgraduate, O.KARAKUŞ(Student), 2018

Fach Salihoğlu B. A. , Modeling the impact of climate variability on anchovy overwintering migration in the Black Sea., Doctorate, C.Güraslan(Student), 2016

Fach Salihoğlu B. A. , Seasonal to decadal variability in the physical and biological properties of the Black Sea and Levantine Basin as inferred from satellite remote sensing. , Doctorate, A.Akpınar(Student), 2016

Fach Salihoğlu B. A. , Numerical simulations of eutrophication processes in Izmir Bay with a coupled three-dimensional eco-hydrodynamic model. , Postgraduate, O.Yelekci(Student), 2013

Fach Salihoğlu B. A. , The impact of climate variability on the production of Black Sea anchovy: a modeling study., Postgraduate, C.Guraslan(Student), 2010

Fach Salihoğlu B. A. , Physical characteristics of the Black Sea inferred from Argo profiling data., Postgraduate, A.Akpınar(Student), 2010

## Jury Memberships

Appointment Academic Staff, Appointment Academic Staff, Middle East Technical University, August, 2021

Appointment Academic Staff, Appointment Academic Staff, Middle East Technical University, July, 2021

Appointment Academic Staff, Appointment Academic Staff, Middle East Technical University, June, 2020

Appointment Academic Staff, Appointment Academic Staff, Middle East Technical University, January, 2020

## Designed Lessons

Fach Salihoğlu B. A. , Structure and Function of Marine Ecosystems, Postgraduate, 2009 - 2010

## Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Mesoscale eddies in the Black Sea: Characteristics and kinematic properties in a high-resolution ocean model**  
Sadighrad E., Fach Salihoğlu B. A. , Arkin S. S. , Salihoğlu B., Hüsrevoğlu Y. S.  
Journal of Marine Systems, vol.223, 2021 (Journal Indexed in SCI)
- II. **Assessing the impact of nutrient loads on eutrophication in a semi-enclosed bay combining observations and coupled hydrodynamic-ecosystem modelling**  
Yelekci Ö., Ibello V., Fach Salihoğlu B. A. , Küçüksezgin F., Yumruktepe C. V. , Sayin E., Salihoğlu B., Tuğrul S.  
Mediterranean Marine Science, vol.22, no.3, pp.677-696, 2021 (Journal Indexed in SCI)
- III. **Water Mass Variability and Levantine Intermediate Water Formation in the Eastern Mediterranean Between 2015 and 2017**  
Fach Salihoğlu B. A. , Örek H., Yılmaz E., Tezcan D., Salihoglu I., Salihoğlu B., Latif M. A.  
JOURNAL OF GEOPHYSICAL RESEARCH-OCEANS, vol.126, no.2, 2021 (Journal Indexed in SCI)
- IV. **Assessing the impact of nutrient loads on eutrophication in the semi-enclosed Izmir Bay combining observations and coupled hydrodynamic-ecosystem modelling**  
Yelekci O., IBELLO V., FACH SALİHOĞLU B. A. , KÜÇÜKSEZGİN F., YUMRUKTEPE C., SAYIN E., SALİHOĞLU B., TUĞRUL S.  
MEDITERRANEAN MARINE SCIENCE, vol.22, no.3, pp.677-696, 2021 (Journal Indexed in SCI)

- V. **Observing the subsurface thermal signature of the Black Sea cold intermediate layer with Argo profiling floats**  
 AKPINAR A., Fach B. A. , OĞUZ T.  
 DEEP-SEA RESEARCH PART I-OCEANOGRAPHIC RESEARCH PAPERS, vol.124, pp.140-152, 2017 (Journal Indexed in SCI)
- VI. **Understanding the Impact of Environmental Variability on Anchovy Overwintering Migration in the Black Sea and its Implications for the Fishing Industry**  
 Güraslan C., Fach B. A. , Oğuz T.  
 FRONTIERS IN MARINE SCIENCE, vol.4, 2017 (Journal Indexed in SCI)
- VII. **Evolution of Future Black Sea Fish Stocks under Changing Environmental and Climatic Conditions**  
 Salihoglu B., Arkin Ş. S. , Akoğlu E., Fach B. A.  
 FRONTIERS IN MARINE SCIENCE, vol.4, 2017 (Journal Indexed in SCI)
- VIII. **Potential impacts of climate change on the primary production of regional seas: A comparative analysis of five European seas**  
 Holt J., Schrum C., Cannaby H., Daewel U., Allen I., Artioli Y., Bopp L., Butenschon M., Fach B. A. , Harle J., et al.  
 PROGRESS IN OCEANOGRAPHY, vol.140, pp.91-115, 2016 (Journal Indexed in SCI)
- IX. **Climatic controls on biophysical interactions in the Black Sea under present day conditions and a potential future (A1B) climate scenario**  
 Cannaby H., Fach B. A. , Arkin S. S. , Salihoglu B.  
 JOURNAL OF MARINE SYSTEMS, vol.141, pp.149-166, 2015 (Journal Indexed in SCI)
- X. **Modeling the impact of climate variability on Black Sea anchovy recruitment and production**  
 Güraslan C., Fach B. A. , Oğuz T.  
 FISHERIES OCEANOGRAPHY, vol.23, pp.436-457, 2014 (Journal Indexed in SCI)
- XI. **Biomass changes and trophic amplification of plankton in a warmer ocean**  
 Chust G., Allen J. I. , Bopp L., Schrum C., Holt J., Tsiaras K., Zavatarelli M., Chifflet M., Cannaby H., Dadou I., et al.  
 GLOBAL CHANGE BIOLOGY, vol.20, pp.2124-2139, 2014 (Journal Indexed in SCI)
- XII. **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., Orek H., Krasakopoulou E., Assimakopoulou G., Fach -Salihoglu B. A. , Papathanassiou E.  
 JOURNAL OF ENVIRONMENTAL PROTECTION AND ECOLOGY, vol.15, pp.1641-1649, 2014 (Journal Indexed in SCI)
- XIII. **Modeling the influence of hydrodynamic processes on anchovy distribution and connectivity in the black sea Karadeniz'deki hamsi dağılımı ve bölgeler arası bağlantısı üzerine hidrodinamik proseslerin etkisinin modellenmesi**  
 Fach B. A.  
 Turkish Journal of Fisheries and Aquatic Sciences, vol.14, pp.353-365, 2014 (Journal Indexed in SCI)
- XIV. **Testing early life connectivity supplying a marine fishery around the Falkland Islands**  
 Ashford J. R. , Fach B. A. , Arkhipkin A. I. , Jones C. M.  
 FISHERIES RESEARCH, vol.121, pp.144-152, 2012 (Journal Indexed in SCI)
- XV. **Control mechanisms on the ctenophore Mnemiopsis population dynamics: A modeling study**  
 Salihoglu B., Fach B. A. , Oğuz T.  
 JOURNAL OF MARINE SYSTEMS, vol.87, pp.55-65, 2011 (Journal Indexed in SCI)
- XVI. **Testing early life connectivity using otolith chemistry and particle-tracking simulations**  
 Ashford J., La Mesa M., Fach B. A. , Jones C., Everson I.  
 CANADIAN JOURNAL OF FISHERIES AND AQUATIC SCIENCES, vol.67, pp.1303-1315, 2010 (Journal Indexed in SCI)
- XVII. **Seasonal variation in body composition, metabolic activity, feeding, and growth of adult krill Euphausia superba in the Lazarev Sea**  
 Meyer B., Auerswald L., Siegel V., Spahic S., Pape C., Fach B. A. , Teschke M., Lopata A. L. , Fuentes V.  
 MARINE ECOLOGY PROGRESS SERIES, vol.398, pp.1-18, 2010 (Journal Indexed in SCI)
- XVIII. **Invasion dynamics of the alien ctenophore Mnemiopsis leidyi and its impact on anchovy collapse in the Black Sea**

- Oğuz T., Fach B. A. , Salihoğlu B.  
JOURNAL OF PLANKTON RESEARCH, vol.30, pp.1385-1397, 2008 (Journal Indexed in SCI)
- XIX. **Biochemically based modeling study of Antarctic krill Euphausia superba growth and development**  
Fach B. A. , Meyer B., Wolf-Gladrow D., Bathmann U.  
MARINE ECOLOGY PROGRESS SERIES, vol.360, pp.147-161, 2008 (Journal Indexed in SCI)
- XX. **A coupled plankton-anchovy population dynamics model assessing nonlinear controls of anchovy and gelatinous biomass in the Black Sea**  
OĞUZ T., SALİHOĞLU B., Fach B. A.  
MARINE ECOLOGY PROGRESS SERIES, vol.369, pp.229-256, 2008 (Journal Indexed in SCI)
- XXI. **Transport of Antarctic krill (Euphausia superba) across the Scotia Sea. Part II. Krill growth and survival**  
Fach B. A. , Hofmann E. E. , Murphy E. J.  
DEEP-SEA RESEARCH PART I-OCEANOGRAPHIC RESEARCH PAPERS, vol.53, no.6, pp.1011-1043, 2006 (Journal Indexed in SCI)
- XXII. **Transport of Antarctic krill (Euphausia superba) across the Scotia Sea. Part I: Circulation and particle tracking simulations**  
Fach B. A. , Klinck J. M.  
DEEP-SEA RESEARCH PART I-OCEANOGRAPHIC RESEARCH PAPERS, vol.53, no.6, pp.987-1010, 2006 (Journal Indexed in SCI)
- XXIII. **Modeling studies of antarctic krill Euphausia superba survival during transport across the Scotia Sea**  
Fach B. A. , HOFMANN E. E. , MURPHY E.  
MARINE ECOLOGY PROGRESS SERIES, vol.231, pp.187-203, 2002 (Journal Indexed in SCI)
- XXIV. **Krill transport in the Scotia Sea and environs**  
Hofmann E. E. , Klinck J. M. , Locarnini R. A. , Fach B. A. , Murphy E.  
ANTARCTIC SCIENCE, vol.10, no.4, pp.406-415, 1998 (Journal Indexed in SCI)

## 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., Foglini 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 (Journal Indexed in 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
- II. **MARMARA DENİZİ'NİN GEÇİRDİĞİ BİYOJEOKİMYASAL DEĞİŞİMLER BAĞLAMINDA 2021 MÜSİLAJ PATLAMASI, GÜNCEL BASKILAR VE ÇÖZÜM ÖNERİLERİ**  
YÜCEL M., ÖZKAN K., FACH B. A. , ÖREK H., MANTIKÇI M., TEZCAN D., AKÇAY İ., ÖZHAN K., ARKIN Ş. S. , TUĞRUL S., et al.  
in: Marmara Denizi'nin Ekolojisi: Deniz Salyası Oluşumu, Etkileşimleri ve Çözüm Önerileri, Öztürk İzzet, Şeker Muzaffer, Editor, TÜBA, Ankara, pp.249-279, 2021

### III. Black Sea (Chapter 8)

Todorova N., Alyomov S., Chiotoroiu B., Fach B. A. , Osadchaya T., Rangelov M., Salihođlu B., Vasilev V.  
in: World Seas: An Environmental Evaluation, Volume I: Europe, The Americas and West Africa, Charles Sheppard,  
Editor, Elsevier Science, Oxford/Amsterdam , Oxford, pp.209-226, 2018

### IV. Prospects for Marine Protected Areas in the Turkish Black Sea.

ÖZTÜRK B., FACH B. A. , ARKİN S., KESKİN Ç., TOPALOĞLU B., ÖZTÜRK A. A.

in: Management of Marine Protected Areas: A Network Perspective, Goriup, Paul, Editor, John Wiley Sons Ltd.,  
Chichester, pp.247-262, 2017

### V. Modeling as a Management Tool

FACH B. A. , SALİHOĞLU B., ARKİN S., AKOĞLU E., GÜRASLAN C.

in: BLACK SEA MARINE ENVIRONMENT:THE TURKISH SHELF, Sezgin, M. Bat.L.,ÜRKMEZ, D., ARICI, E., ÖZTÜRK, B.,  
Editor, Turkish Marine Research Foundation (TÜDAV), İstanbul, pp.458-476, 2017

### VI. PHYSICAL OCEANOGRAPHY OF THE EASTERN MEDITERRANEAN SEA

Akpınar A., Yılmaz E., Fach B. A. , Salihođlu B.

in: THE TURKISH PART OFTHE MEDITERRANEAN SEAMARINE BIODIVERSITY FISHERIES CONSERVATIONAND  
GOVERNANCE, Cemal TURAN, Barış SALİHOĞLU, Elif Özgür ÖZBEK, Bayram ÖZTÜRK, Editor, Turkish Marine  
Research Foundation (TUDAV), İstanbul, 2016

## Refereed Congress / Symposium Publications in Proceedings

### I. Modeling the impact of mesoscale eddies on water mass transport in the Black Sea.

E. S. , FACH B. A. , SALİHOĞLU B., ARKİN Ş. S. , HÜSREVOĞLU Y. S.

Advances in Marine Ecosystem Modelling Research (AMEMR) International Symposium, Plymouth, United  
Kingdom, 12 - 15 July 2021

### II. Implementation of Antarctic Krill into the Ocean-Ecosystem Model FESOM-REcoM-2 and its Effects on Southern Ocean Biogeochemistry.

KARAKUS O., Hauck J., Völker C., FACH B. A. , Hagen W.

Ocean Sciences Meeting 2020, San Diego, United States Of America, 16 - 21 February 2020

### III. Ocean Energy for a sustainable environment – the Blue Growth strategy

FACH B. A.

6th Global Congress on Renewable Energy and Environment (ESWAE-2018), İzmir, Turkey, 12 - 14 October 2018

### IV. DENİZ EKOSİSTEM ve İKLİM ARAŞTIRMALARI MERKEZİ

Fach Salihođlu B. A. , Tezcan D., Salihođlu B.

TÜRKİYE ULUSAL JEODEZİ JEOFİZİK BİRLİĞİ BİLİMSEL KONGRESİ , İzmir, Turkey, 30 May - 02 June 2018, pp.1-4

### V. Argo Verileri

TEZCAN D., FACH B. A.

Türkiye Ulusal Jeodezi ve Jeofizik Birliđi Bilimsel Kongresi, İzmir, Turkey, 30 May - 02 June 2018

### VI. Karadeniz kıyı akıntı sisteminde pelajik balık larvalarının kıyı boyunca taşınımı ve bölgesel tutulmasında tahmini etkilerin belirlenmesi

Fach B. A. , Arkin S., Salihođlu B.

III Ulusal Deniz Bilimleri Konferansı, İzmir, Turkey, 9 - 12 May 2018

### VII. Degisen Cevresel Ve İklimsel Kosullar Altında Karadeniz Balık Stoklarının Geleceđi

SALİHOĞLU B., Arkin S., AKOĞLU E., FACH B. A.

III. Ulusal Deniz Bilimleri Konferansı 2018, İzmir, Turkey, 9 - 12 May 2018

### VIII. Kuzey Dođu Levanten Basenindeki Fiziksel Oşinografi Çalışmaları.

Örek H., TEZCAN D., FACH B. A. , Yılmaz E., SALİHOĞLU İ., SANCAK S., FULLER W. J. , Latif M.

III. Ulusal Deniz Bilimleri Konferansı 2018, İzmir, Turkey, 9 - 12 May 2018

### IX. Karadeniz İc Baseni Ve Kita Sahanlıđı Arasındaki Fiziksel Transfer Mekanizmalarının Ekosistem Uzerine Etkisi

Sadighrad E., Arkin S., FACH B. A. , SALİHOĞLU B.

III. Ulusal Deniz Bilimleri Konferansı 2018, İzmir, Turkey, 9 - 12 May 2018

- X. **Comparing the permanently anoxic Black Sea with the rapidly deoxygenating Marmara Sea: Distinct redox processes of sulfur, nitrogen and oxygen in the two interconnected basins.**  
YÜCEL M., SALİHOĞLU B., Örek H., FACH B. A. , Arkin S., AKOĞLU E., ÖZKAN K., AKÇAY İ., Güraslan C., TEZCAN D., et al.  
Ocean Sciences Meeting 2018, Portland, United States Of America, 12 - 16 February 2018
- XI. **Modelling the connectivity of early-life stages for exploited species: a new approach for the delimitation of fishery assessment units in the Mediterranean Sea**  
Rossi V., Sadighrad E., SerGiacomi E., Hildalgo M., FACH B. A. , Emilio H.  
Ocean Sciences Meeting 2018, Portland, United States Of America, 12 - 16 February 2018
- XII. **Forecasting the evolution of Black Sea fish stocks under changing environmental and climatic conditions.**  
SALİHOĞLU B., Arkin S., AKOĞLU E., FACH B. A.  
Ocean Sciences Meeting 2018, Portland, United States Of America, 12 - 16 February 2018
- XIII. **Evolution of Black Sea fish stocks under changing environmental and climatic conditions**  
SALİHOĞLU B., Arkin S., AKOĞLU E., FACH B. A. , Sadighrad E.  
Advances in Marine Ecosystem Modelling Research Symposium, Plymouth, United Kingdom, 3 - 06 July 2017, pp.96
- XIV. **Contrasting local retention and along-shore transport in the Black Sea rim current system and their relative influence on pelagic fish**  
FACH B. A. , Arkin S., SALİHOĞLU B.  
Advances in Marine Ecosystem Modelling Research Symposium, Plymouth, United Kingdom, 3 - 06 July 2017, pp.84
- XV. **ARADENİZ DE İKLİM SİRKÜLASYON VE FİTOPLANKTON BİYOKÜTLESİ ARASINDAKİ İLİŞKİ**  
Arkin S., Akpınar A., FACH B. A. , SALİHOĞLU B., Temel O.  
Türkiye Deniz Bilimleri Konferansı, Turkey, 31 May - 03 June 2016, pp.203-204
- XVI. **KARADENİZ DE PELAJİK LARVA YAYILIM MODELLEMESİ EKOLOJİK BAĞLANTISALLIĞIN MEVSİMSEL VE YILLARARASI DEĞİŞKENLİĞİ**  
FACH B. A. , Arkin S., SALİHOĞLU B.  
Türkiye Deniz Bilimleri Konferansı 2016, Turkey, 31 May - 03 June 2016, pp.213-214
- XVII. **KARADENİZ İÇİN GELİŞTİRİLMİŞ YENİ NESİL EKOSİSTEM MODELİ BAŞARI ANALİZİ**  
SALİHOĞLU B., FACH SALİHOĞLU B., ARKIN Ş. S. , AKOĞLU E.  
Türkiye Deniz Bilimleri Konferansı, Ankara, Turkey, 31 May - 03 June 2016
- XVIII. **Assessment of Model Uncertainty in the Prediction of Seasonal and Annual Variability in the Black Sea**  
SALİHOĞLU B., Arkin S., FACH B. A. , AKOĞLU E.  
Ocean Sciences Meeting 2016, 21 - 26 February 2016
- XIX. **A new generation end to end model producing forecast products to enhance marine GMES applications to the Black Sea**  
SALİHOĞLU B., ARKIN S. S. , FACH B. A. , AKOĞLU E.  
Scientific Conference: Integrated Marine Research in the Mediterranean and the Black Sea", 7 - 09 December 2015
- XX. **A New Generation End to end Model Producing Forecast Products To Enhance Marine GMES Applications In The Black Sea**  
Salihoglu B., Arkin S., FACH B. A. , Akoglu E.  
Scientific Conference Of PERSEUS : Integrated Marine Research In The Mediterranean And The Black Sea, Athens, Greece, 7 - 10 December 2015
- XXI. **Modeling The Impact Of Environmental Variability On Black Sea Anchovy Overwintering Migration**  
Güraslan C., FACH B. A.  
FAO Black Sea Ecosystem And Fisheries 2015, 18 - 20 November 2015
- XXII. **A New Generation End to end Model To Analyse The Environmental Status Of The Black Se**  
Salihoglu B., Sinan A., FACH B. A. , Akoglu E.  
FAO Black Sea Ecosystem And Fisheries 2015, 18 - 20 November 2015
- XXIII. **Modeling The Impact Of Climate Variability On Black Sea Anchovy Engraulis Encrasicolus Ponticus**

## Recruitment And Production

Güraslan C., FACH B. A. , Oguz T.

ICES Working Group On Small Fishes, Their Ecosystems And Climate Impact, 30 March - 02 April 2015

## Supported Projects

Akoğlu E., Salihoğlu B., Fach Salihoğlu B. A. , Arkn Ş. S. , TÜBİTAK International Multi-Cooperation Project, Scenarios Of Marine Biodiversity and Evolution under Exploitation and climate change, 2019 - 2022

Salihoğlu B., Tezcan D., Fach Salihoğlu B. A. , CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, DENİZ EKOSİSTEM ve İKLİM ARAŞTIRMALARI MERKEZİ, 2012 - 2022

SALİHOĞLU B., ÖZHAN K., AKÇAY İ., KARAHAN A., UYSAL Z., AKOĞLU E., TUĞRUL S., GÜCÜ A. C. , KIDEYŞ A. E. , YÜCEL M., et al., Project Supported by Higher Education Institutions, Erdemli Zaman Serisi Deniz Araştırmaları 2018, 2018 - 2019  
AKOĞLU E., FACH SALİHOĞLU B. A. , SALİHOĞLU B., Project Supported by Higher Education Institutions, ECOSPACE-F 3D: Ecospace İki Boyutlu (2B) Ekosistem Modelinin Fortran Diline Transferi ve Üç Boyutlu (3B) Haline Getirilmesi, 2017 - 2019

Salihoğlu B., Tuğrul S., Fach Salihoğlu B. A. , Yücel M., Özhan K., Özkan K., Akoğlu E., Tezcan D., Akçay I., Project Supported by Other Official Institutions, Marmara Denizi Bütünleşik Model Sistemi: Faz 1, 2017 - 2018

Fach Salihoğlu B. A. , Akoğlu E., Project Supported by Higher Education Institutions, ECOSPACE-F, 2017 - 2018

FACH SALİHOĞLU B. A. , SALİHOĞLU B., TUBITAK Project, Bölgesel Yönetim Planları İçin Akdeniz e Özgü geliştirilecek Göstergeler İle Denizel Çevre Hedeflerinin Belirlenmesi 112Y394, 2013 - 2016

Fach Salihoğlu B. A. , FP7 Project, 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, 2012 - 2016

Fach Salihoğlu B. A. , Kideyş A., FP7 Project, PERSEUS Policy oriented marine Environmental Research in the Southern European Seas, 2012 - 2016

UYSAL Z., FACH SALİHOĞLU B. A. , TUBITAK Project, Ulusal Balıkçılık Veri Toplama Programı için Karadeniz de Hamsi Stoklarının Akustik Yöntem ile Belirlenmesi ve Sürekli İzleme Modelinin Oluşturulması, 2011 - 2016

Fach Salihoğlu B. A. , Salihoğlu B., FP7 Project, OPEC OPERational ECology Ecosystem forecast products to enhance marine GMES applications, 2012 - 2015

## Scientific Refereeing

NATURE COMMUNICATIONS, SCI Journal, September 2021

PROGRESS IN OCEANOGRAPHY, SCI Journal, August 2021

NATURE CLIMATE CHANGE, SCI Journal, February 2020

JOURNAL OF MARINE SYSTEMS, SCI Journal, January 2020

Nature Climate Change, SCI Journal, December 2019

JOURNAL OF GEOPHYSICAL RESEARCH-OCEANS, SCI Journal, June 2019

FRONTIERS IN MARINE SCIENCE, SCI Journal, January 2019

JOURNAL OF MARINE SYSTEMS, SCI Journal, July 2018

PURE AND APPLIED GEOPHYSICS, Journal Indexed in SSCI, April 2018

## Edit Congress and Symposium Activities

AMEMR (Advances in Marine Ecosystem Modelling Research) Symposium , Panelists, Plymouth, United Kingdom, 2021

AMEMR (Advances in Marine Ecosystem Modelling Research) Symposium , Session Moderator, Plymouth, United Kingdom, 2021

6th Global Congress on Renewable Energy and Environment (ESWAE-2018), Invited Speaker, İzmir, Turkey, 2018

## **Citations**

Total Citations (WOS):761

h-index (WOS):13

## **Invited Talks**

Ocean Energy for a sustainable environment – the Blue Growth strategy, Seminar, 6th Global Congress on Renewable Energy and Environment (ESWAE- 2018), Turkey, September 2018