

Asst. Prof. KORAY ÖZHAN

Personal Information

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Education Information

Doctorate, Louisiana State University And Agricultural And Mechanical College, Oşinografi, Oşinografi, United States Of America 2010 - 2014

Post Graduate, Southern Connecticut State University, Fen Edebiyat, Kimya, United States Of America 2008 - 2010

Under Graduate, Middle East Technical University, Faculty of Education, Kimya, Turkey 1999 - 2003

Foreign Languages

English, C2 Proficiency

Dissertations

Doctorate, Phytoplankton Response to South Louisiana Crude Oil Exposure – Determining Impacts at Individual, Community, Toxin Production, Enzymatic Activity and Gene Expression Levels, Louisiana State University And Agricultural And Mechanical College, Deniz Bilimleri, Oşinografi, 2014

Post Graduate, Synthesis and Characterization of Tetra(carboxyphenyl) ethene Derivatives as Ligands for the Preparation of Novel Metal Organic Framework Materials, Southern Connecticut State University, Kimya, Kimya, 2010

Research Areas

Marine Sciences and Technology, Oceanography, Chemical Oceanography, Biogeochemical Cycles, Sea pollution, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Middle East Technical University, Institute of Marine Sciences, Oşinografi, 2018 - Continues

Assistant Professor, Middle East Technical University, Institute of Marine Sciences, Oşinografi, 2017 - 2018

Courses

HARMFUL ALGAL BLOOMS AND PHYCOTOXINS, Post Graduate, 2018 - 2019

CHEMICAL OCEANOGRAPHY, Post Graduate, 2017 - 2018

Advising Theses

ÖZHAN K., Temporal - spatial distributions and degradation of Bisphenol A in marine and freshwaters in Turkey, Post Graduate, E.KOCAMAN(Student), 2018

Designed Lessons

Özhan K., Harmful Algal Blooms and Phycotoxins, Post Graduate, 2018 - 2019

Özhan K., Marine Pollution and Ecotoxicology, Post Graduate, 2017 - 2018

Research Infrastructure Information

Özhan K., Laboratory for seawater based experiments, December 2019

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

- **Degradation of Bisphenol A in Natural and Artificial Marine and Freshwaters in Turkey**
Kocaman E., ÖZHAN K.
BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, vol.103, pp.496-500, 2019 (Journal Indexed in SCI)
- **Assessment of trophic status of the northeastern Mediterranean coastal waters: eutrophication classification tools revisited**
Tuğrul S., Özhan K., Akçay İ.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.26, pp.14742-14754, 2019 (Journal Indexed in SCI)
- **Temporal and Spatial Distributions of Bisphenol A in Marine and Freshwaters in Turkey**
ÖZHAN K., Kocaman E.
ARCHIVES OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, vol.76, pp.246-254, 2019 (Journal Indexed in SCI)
- **Data Descriptor: A European Multi Lake Survey dataset of environmental variables, phytoplankton pigments and cyanotoxins**
MANTZOUKÍ E., CAMPBELL J., van Loon E., VISSER P., KONSTANTÍNOU I., ANTONÍO U M., GIULIANI G., MACHADO-VIEIRA D., de Oliveira A. G. , Maronic D. S. , et al.
SCIENTIFIC DATA, vol.5, 2018 (Journal Indexed in SCI)
- **Temperature Effects Explain Continental Scale Distribution of Cyanobacterial Toxins**
MANTZOUKÍ E., LURLING M., FASTNER J., DOMÍ S L. d. S. , WÍLK-WOZNÍAK E., KOREÍVIENE J., SEELEN L., TEURLINCX S., Verstijnen Y., KRZTON W., et al.
TOXINS, vol.10, 2018 (Journal Indexed in SCI)
- **Assessment of temporal ecosystem responses to phytoplankton via photosynthetic pigments under a potential oil spill event in Iskenderun bay**
Ozhan K.
Turkish Journal of Fisheries and Aquatic Sciences, vol.18, pp.1063-1076, 2018 (Journal Indexed in SCI)
- **Induction of reactive oxygen species in marine phytoplankton under crude oil exposure**
Ozhan K., ZAHRAEIFARD S., SMITH A. P. , BARGU S.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.22, pp.18874-18884, 2015 (Journal Indexed in SCI)
- **Responses of sympatric *Karenia brevis*, *Prorocentrum minimum*, and *Heterosigma akashiwo* to the exposure of crude oil**
ÖZHAN K., Bargu S.
ECOTOXICOLOGY, vol.23, pp.1387-1398, 2014 (Journal Indexed in SCI)
- **How Were Phytoplankton Affected by the Deepwater Horizon Oil Spill?**
ÖZHAN K., Parsons M., Bargu S.

- BIOSCIENCE, vol.64, pp.829-836, 2014 (Journal Indexed in SCI)
Relative Phytoplankton growth responses to physically and chemically dispersed South Louisiana sweet crude oil
Ozhan K., Miles S. M. , GAO H., Bargu S.
- ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.186, pp.3941-3956, 2014 (Journal Indexed in SCI)
Distinct responses of Gulf of Mexico phytoplankton communities to crude oil and the dispersant corexit(A (R)) Ec9500A under different nutrient regimes
Ozhan K., Bargu S.
- ECOTOXICOLOGY, vol.23, pp.370-384, 2014 (Journal Indexed in SCI)
Can Crude Oil Toxicity on Phytoplankton Be Predicted Based on Toxicity Data on Benzo(a)Pyrene and Naphthalene?
Ozhan K., Bargu S.
- BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, vol.92, pp.225-230, 2014 (Journal Indexed in SCI)

Articles Published in Other Journals

- **Trimethyl 4,4',4''-(ethene-1,1,2-triyl)tribenzoate**
Lesley M. J. , ÖZHAN K., Sung H. H. , Williams I. D.
IUCrData, vol.5, 2020 (Refereed Journals of Other Institutions)
- **Ultra-rapid absorption of recombinant human insulin induced by zinc chelation and surface charge masking**
POHL R., HAUSER R., LI M., De Souza E., FELDSTEIN R., SEIBERT R., Ozhan K., Kashyap N., STEINER S.
Journal of Diabetes Science and Technology, vol.6, pp.755-763, 2012 (Refereed Journals of Other Institutions)

Books & Book Chapters

- **Organik Kirleticiler İzleme Kılavuzu**
TELLİ KARAKOÇ F., ÜNLÜ V. S. , OKAY O., YILMAZ A., ATABAY H., ATABAY H., DUMAN M., ÖZHAN K., PAZI İ., CANLI O., et al.
in: Deniz İzlemelerinde Standardizasyon Sağlanması Projesi, , Editor, T.C. Çevre ve Şehircilik Bakanlığı, Ankara, pp.318-387, 2017
- **Organik Kirleticiler İzleme Kılavuzu**
TELLİ KARAKOÇ F., ÜNLÜ V. S. , OKAY O., YILMAZ A., Atabay H., DUMAN M., ÖZHAN K., PAZI İ., Canlı O., Akyürek H., et al.
in: Deniz İzlemelerinde Standardizasyonun Sağlanması Projesi, , Editor, T.C. Çevre ve Şehircilik Bakanlığı, Ankara, pp.318-387, 2017
- **Catchment-Sea Interactions in the Black Sea**
ÖZKAN K., ÖZHAN K., YÜCEL M.
in: Black Sea Marine Environment: The Turkish Shelf, Sezgin Murat, Bat Levent, Ürkmez Derya, Arıcı Elif, Öztürk Bayram, Editor, Turkish Marine Research Foundation (TÜDAV), İstanbul, pp.98-113, 2017
- **Land Base Pollution of the Turkish Mediterranean Sea**
ÖZHAN K., AKÇAY İ., TUĞRUL S.
in: The Turkish Part of the Mediterranean Sea Marine Biodiversity, Fisheries, Conservation and Governance, Turan C, Salihoglu B., Ozbek O, Öztürk B., Editor, TUDAV, 2016
- **Toxic Diatom Pseudo-nitzschia and Its Primary Consumers (Vectors)**
Bargu S., SMİTH E., ÖZHAN K.
in: The Diatom World, Seckbach Joseph Patrick Kociolek, Editor, Springer, pp.491-512, 2011

Refereed Congress / Symposium Publications in Proceedings

- **İskenderun Körfezinde Olası Bir Petrol Tankeri Kazasında Doğabilecek Ekosistem Tepkilerinin Fitoplankton Düzeyinde Değerlendirilmesi**
ÖZHAN K.
III. ULUSAL DENİZ BİLİMLERİ KONFERANSI, İzmir, Turkey, 9 - 11 May 2018
- **Bisfenol a Konsantrasyonunun Türkiye’de Deniz ve Akarsularında Zaman Serisi ve Birçok İstasyonda, Floresans Algılama Özelliğine Sahip Yüksek Performanslı Sıvı Kromatografi ile Saptanması ve Miktar Tayini**
Kocaman E., ÖZHAN K.
III. Ulusal Deniz Bilimleri Konferansı, İzmir, Turkey, 9 - 11 May 2018
- **ASSESSMENT OF TEMPORAL ECOSYSTEM RESPONSES TO PHYTOPLANKTONS VIA PHOTOSYNTHETIC PIGMENTS UNDER A POTENTIAL OIL SPILL EVENT IN ISKENDERUN BAY**
ÖZHAN K.
International Iskenderun Bay Symposium, İskenderun, Turkey, 11 - 13 October 2017, pp.1-129
- **Spatial variations in geochemical properties of surface sediments along the Northeastern Mediterranean coastal regions**
AKÇAY İ., TUĞRUL S., ÖZHAN K.
Sixth International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE) and SECOTOX Conference, Selanik, Greece, 25 - 30 June 2017, pp.587-594
- **Eutrophication assessment, classification and management in the Northeastern Mediterranean Sea**
TUĞRUL S., ÖZHAN K., AKÇAY İ.
Sixth International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE) and SECOTOX Conference, Selanik, Greece, 25 - 30 June 2017, pp.684-693
- **Spatial variations in geochemical properties of surface sediments along the Northeastern Mediterranean coastal region**
AKÇAY İ., TUĞRUL S., ÖZHAN K.
Sixth International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE) and SECOTOX Conference, Selanik, Greece, 25 - 30 June 2017, pp.587-594
- **Kuzeydoğu Akdeniz’de trofik durum değerlendirmesi**
Tuğrul S., Özhan K., Akçay İ.
I. Ulusal Denizlerde İzleme ve Değerlendirme Sempozyumu, Ankara, Turkey, 21 - 23 December 2016, pp.33-34
- **Kuzeydoğu Akdeniz yüzey sedimanlarında metal ve hidrokarbon konsantrasyonlarının değişimi**
Özhan K., Tuğrul S., Başduvar Ş., Akçay İ.
I. Ulusal Denizlerde İzleme ve Değerlendirme Sempozyumu, Ankara, Turkey, 21 - 23 December 2016, pp.82-83
- **Mersin ve İskenderun Körfezi TRIX değerleri ve biyokimyasal parametrelerle değişimi**
Tuğrul S., Akçay İ., Özhan K.
I. Ulusal Denizlerde İzleme ve Değerlendirme Sempozyumu, Ankara, Turkey, 21 - 23 December 2016, pp.41-42
- **MERSİN KÖRFEZİ YÜZEY SEDİMANLARINDA JEOKİMYASAL ÖZELLİKLERİN BÖLGESEL DEĞİŞİMİ**
AKÇAY İ., TUĞRUL S., Başduvar Ş., ÖZHAN K.
Türkiye Deniz Bilimleri Konferansı, Ankara, Turkey, 31 May - 03 June 2016, pp.381-382
- **MERSİN VE İSKENDERUN KÖRFEZLERİNİN TROFİK DURUM DEĞERLENDİRMESİ**
ÖZHAN K., AKÇAY İ., TUĞRUL S.
Türkiye Deniz Bilimleri Konferansı 2016, Ankara, Turkey, 31 May - 03 June 2016, pp.323-324
- **Mersin Körfezi Yüzey Sedimanlarında Jeokimyasal Özelliklerin Bölgesel Değişimi**
Tuğrul S., Akçay İ., Şehmus B., Özhan K.
Türkiye Deniz Bilimleri Konferansı, Ankara, Turkey, 31 May - 03 June 2016, pp.381
- **Mersin ve İskenderun körfezlerinin trofik durum değerlendirmesi**
Özhan K., Akçay İ., Tuğrul S.
Türkiye Deniz Bilimleri Konferansı, Ankara, Turkey, 31 May - 03 June 2016, pp.323

Supported Projects

ÖZHAN K., MANTIKÇI M., Project Supported by Higher Education Institutions, Okyanus asitlenmesinin fitoplankton pigmentleri üzerine etkisi, 2019 - Continues

Özhan K., Özkan K., Akoğlu E., TUBITAK Project, Yeraltı suyu taşınımının Kilikya Baseni su ve besin elementi bütçesindeki yerinin gözlem, radyoizotop ve modelleme çalışmaları ile tespiti, 2020 - 2023

Fach Salihoğlu B. A. , Ibello V., Özhan K., Örek H., TUBITAK Project, Assessment of CO2 and Acidification levels in Turkey (ASSET), 2018 - 2020

Tuğrul S., Uysal Z., Kideys A. E. , Salihoğlu B., Özhan K., Tezcan D., Örek H., Myrsohnychenko ., Akçay İ., Project Supported by Other Official Institutions, DENİZLERDE BÜTÜNLEŞİK KİRLİLİK İZLEME PROJESİ-2018 KIŞ ve 2019 YAZ DÖNEMİ İZLEME, 2018 - 2019

SALİHOĞLU B., ÖZHAN K., AKÇAY İ., KARAHAN A., UYSAL Z., AKOĞLU E., TUĞRUL S., GÜCÜ A. C. , KIDEYS A. E. , YÜCEL M., et al., Project Supported by Higher Education Institutions, Erdemli Zaman Serisi Deniz Araştırmaları 2018, 2018 - 2019
Tuğrul S., Uysal Z., Kideys A. E. , Salihoğlu B., Özhan K., Tezcan D., Örek H., Myrsohnychenko V., Akçay İ., Project Supported by Other Official Institutions, DENİZLERDE BÜTÜNLEŞİK KİRLİLİK İZLEME PROJESİ-2017 Yaz-2018 Kış Dönemi Programı , 2017 - 2018

Salihoğlu B., Tuğrul S., Fach Salihoğlu B. A. , Yücel M., Özhan K., Özkan K., Akoğlu E., Tezcan D., Akçay İ., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Marmara Denizi Bütünleşik Model Sistemi: Faz 1, 2017 - 2018
Kideys A. E. , Özhan K., Karahan A., Yılmaz M., Güven O., TUBITAK Project, MİKROPLASTİK PARTİKÜLLERİN VE PLASTİK KATKISI OLAN BİSFENOL A ORGANİK BİLEŞİĞİNİN MERSİN KÖRFEZİ NDE DAĞILIM GÖSTEREN BAZI ZOOPLANKTON TÜRLERİ ÜZERİNE ETKİLERİNİN BELİRLENMESİ, 2016 - 2018

Salihoğlu B., Kideys A. E. , Özhan K., Karahan A., Yılmaz M., TUBITAK Project, Bisfenol A" Organik Bileşiğinin Mersin Körfezi'xxnde Dağılım Gösteren Bazı Zooplankton Türleri Üzerine Etkilerinin Belirlenmesi, 2015 - 2018

Tuğrul S., Uysal Z., Kideys A. E. , Gücü A. C. , Salihoğlu B., Özhan K., Örek H., Tezcan D., Ok M., Güven O., et al., Project Supported by Other Official Institutions, DENİZLERDE BÜTÜNLEŞİK KİRLİLİK İZLEME PROJESİ-2016 AKDENİZ BÜTÜNLEŞİK KİRLİLİK İZLEME , 2016 - 2017

Tuğrul S., Kideys A. E. , Özhan K., Akçay İ., Salihoğlu B., Gücü A. C. , Örek H., Başduvar Ş., Myroshnychenko V., Project Supported by Other Official Institutions, MERSİN KÖRFEZİ OŞİNOGRAFIK/KİRLİLİK İZLEME PROJESİ, 2015 - 2017

ÖZHAN K., TUBITAK Project, İSKENDERUN KÖRFEZİNDEKİ OLASI BİR TANKER KAZASINDA DOĞABİLECEK EKOSİSTEM DEĞİŞİKLİKLERİNİN FİTOPLANKTON SEVİYESİNDE ARASTIRILMASI, 2014 - 2017

Tuğrul S., Uysal Z., Kideys A. E. , Salihoğlu B., Özhan K., Örek H., Akçay İ., Project Supported by Other Official Institutions, AKDENİZ BÜTÜNLEŞİK KİRLİLİK İZLEME 2016 KIŞ DÖNEMİ PROJESİ, 2016 - 2016

Tuğrul S., Salihoğlu B., Kideys A. E. , Uysal Z., Gücü A. C. , Tezcan D., Örek H., Sakınan S., Özhan K., Güven O., et al., Project Supported by Other Official Institutions, DENİZLERDE BÜTÜNLEŞİK KİRLİLİK İZLEME PROJESİ-2015 AKDENİZ BÜTÜNLEŞİK KİRLİLİK İZLEME, 2015 - 2016

Tuğrul S., Salihoğlu B., Kideys A. E. , Uysal Z., Gücü A. C. , Tezcan D., Örek H., Sakınan S., Özhan K., Güven O., et al., Project Supported by Other Official Institutions, DENİZLERDE BÜTÜNLEŞİK KİRLİLİK İZLEME PROJESİ -2014 AKDENİZ BÜTÜNLEŞİK KİRLİLİK İZLEME, 2014 - 2015

Patent

ÖZHAN K., Insulin with a Stable Basal Release Profile, Patent, CHAPTER A Human Needs, Initial Registration, 2010

ÖZHAN K., Insulin with a Basal Release Profile, Patent, CHAPTER A Human Needs, Initial Registration, 2010

Scientific Refereeing

TURKISH JOURNAL OF FISHERIES AND AQUATIC SCIENCES, Journal Indexed in SCI-E, March 2020

HARMFUL ALGAE, SCI Journal, February 2020

MARINE POLLUTION BULLETIN, SCI Journal, September 2019

Project Supported by Higher Education Institutions, BAP Research Project, Middle East Technical University, Turkey, August 2019

Project Supported by Higher Education Institutions, BAP Research Project, Middle East Technical University, Turkey, June 2019

Project Supported by Higher Education Institutions, BAP Research Project, Middle East Technical University, Turkey, February 2019

Project Supported by Higher Education Institutions, BAP Research Project, Middle East Technical University, Turkey, January 2019

Project Supported by Higher Education Institutions, BAP Research Project, Middle East Technical University, Turkey, November 2018

MARINE ECOLOGY-PROGRESS SERIES, SCI Journal, October 2018

Project Supported by Higher Education Institutions, BAP Research Project, Middle East Technical University, Turkey, August 2018

MARINE ENVIRONMENTAL RESEARCH, SCI Journal, March 2018

Invited Congress and Symposium Activities

III. Ulusal Deniz Bilimleri Konferansı, Working Group, İzmir, Turkey, 2018

International Iskenderun Bay Symposium, Working Group, Hatay, Turkey, 2017

Sixth International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE) and SECOTOX Conference, Working Group, Thessaloniki, Greece, 2017

I. Ulusal Denizlerde İzleme ve Değerlendirme Sempozyumu, Working Group, Ankara, Turkey, 2016

Citations

Total Citations (WOS):190

h-index (WOS):6