

## Asst. Prof. Sevil Deniz Yakan Dündar

### Personal Information

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### Education Information

Doctorate, İstanbul Teknik Üniversitesi, Gemi İnşaatı Ve Deniz Bilimleri Fakültesi, Gemi Ve Deniz Teknolojisi Mühendisliği Bölümü, Turkey 2007 - 2013

Post Graduate, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Deniz Teknolojisi Mühendisliği (YI) (Tezli), Turkey 2005 - 2007

Under Graduate, İstanbul Teknik Üniversitesi, Gemi İnşaatı Ve Deniz Bilimleri Fakültesi, Gemi Ve Deniz Teknolojisi Mühendisliği Bölümü, Turkey 2000 - 2005

### Foreign Languages

English

### Dissertations

Doctorate, Experimental and numerical approach for PAH accumulation and depuration kinetics; a food chain study with marine algae and mussels, İstanbul Teknik Üniversitesi, Gemi İnşaatı Ve Deniz Bilimleri Fakültesi, Gemi Ve Deniz Teknolojisi Mühendisliği Bölümü, 2013

Post Graduate, Sound Propagation in Two-Layer Media, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Deniz Teknolojisi Mühendisliği (YI) (Tezli), 2007

### Research Areas

Technical Sciences, Marine Sciences and Technology, Oceanography, Chemical Oceanography, Sea pollution

### Academic Titles / Tasks

Assistant Professor, İstanbul Teknik Üniversitesi, Gemi İnşaatı Ve Deniz Bilimleri Fakültesi, Gemi Ve Deniz Teknolojisi Mühendisliği, 2018 - Continues

Lecturer PhD, İstanbul Teknik Üniversitesi, Gemi İnşaatı Ve Deniz Bilimleri Fakültesi, Gemi Ve Deniz Teknolojisi Mühendisliği Bölümü, 2013 - 2018

Research Assistant, İstanbul Teknik Üniversitesi, Gemi İnşaatı Ve Deniz Bilimleri Fakültesi, Gemi Ve Deniz Teknolojisi Mühendisliği Bölümü, 2005 - 2013

### Professional Experience

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

- I. **Single-, Double-, and Triple-Network Macroporous Rubbers as a Passive Sampler**  
Yetiskin B., Türeyen O. E., Yılmaz A., Yakan S. D., Okay O., Okay O.  
ACS APPLIED MATERIALS & INTERFACES, vol.11, no.31, pp.28317-28326, 2019 (Journal Indexed in SCI)
- II. **Monitoring of organic pollutants in marine environment by semipermeable membrane devices and mussels: accumulation and biochemical responses**  
OKAY O., KARACIK B., GÜNGÖRDÜ A., YILMAZ A., KOYUNBABA N. C., YAKAN DÜNDAR S. D., HENKELMANN B., SCHRAMM K. W., ÖZMEN M.  
Environmental Science And Pollution Research, vol.24, pp.19114-19125, 2017 (Journal Indexed in SCI)
- III. **Numerical evaluation of bioaccumulation and depuration kinetics of PAHs in *Mytilus galloprovincialis***  
Yakan S. D., Focks A., Klasmeier J., Okay O.  
ENVIRONMENTAL POLLUTION, vol.220, pp.1244-1250, 2017 (Journal Indexed in SCI)
- IV. **Heavy metal pollution in sediments and mussels: assessment by using pollution indices and metallothionein levels**  
Okay O., ÖZMEN M., GÜNGÖRDÜ A., Yılmaz A., Yakan S. D., Karacık B., Tutak B., SCHRAMM K.  
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.188, no.6, 2016 (Journal Indexed in SCI)
- V. **Organic and heavy metal pollution in shipbreaking yards**  
YILMAZ A., KARACIK B., YAKAN DÜNDAR S. D., henkelmann b., schramm k. w., OKAY O.  
Ocean Engineering, vol.123, 2016 (Journal Indexed in SCI)
- VI. **Heavy metal pollution in sediments and mussels assessment by using pollution indices and metallothionein levels**  
OKAY O., ÖZMEN M., GÜNGÖRDÜ A., YILMAZ A., YAKAN DÜNDAR S. D., KARACIK B., TUTAK B., SCHRAMM K. W.  
Environmental Monitoring and Assessment, vol.188, pp.352-370, 2016 (Journal Indexed in SCI)
- VII. **Use of passive samplers in pollution monitoring: A numerical approach for marinas**  
Yılmaz A. İ., Karacık B., HENKELMANN B., PFISTER G., SCHRAMM K. -, YAKAN S. D., Barlas B., OKAY O. S.  
ENVIRONMENT INTERNATIONAL, vol.73, pp.85-93, 2014 (Journal Indexed in SCI)
- VIII. **Micro-organic pollutants and biological response of mussels in marinas and ship building/breaking yards in Turkey**  
Okay O., Karacık B., GÜNGÖRDÜ A., ÖZMEN M., Yılmaz A., KOYUNBABA N. C., Yakan S. D., Korkmaz V., HENKELMANN B., SCHRAMM K. -.  
SCIENCE OF THE TOTAL ENVIRONMENT, vol.496, pp.165-178, 2014 (Journal Indexed in SCI)
- IX. **Bioaccumulation-Depuration kinetics and effects of phenanthrene on Mediterranean mussel (*Mytilus galloprovincialis*)**  
Yakan S. D., HENKELMANN B., SCHRAMM K., Okay O. S.  
JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART A-TOXIC/HAZARDOUS SUBSTANCES & ENVIRONMENTAL ENGINEERING, vol.48, no.9, pp.1037-1046, 2013 (Journal Indexed in SCI)
- X. **Bioaccumulation depuration kinetics and effects of benzo(a)anthracene on *Mytilus galloprovincialis***  
Yakan S. D., HENKELMANN B., SCHRAMM K. -, Okay O.  
MARINE POLLUTION BULLETIN, vol.63, pp.471-476, 2011 (Journal Indexed in SCI)
- XI. **Efficiency of butyl rubber sorbent to remove the PAH toxicity**  
Okay O., OZDEMIR P., Yakan S. D.  
JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART A-TOXIC/HAZARDOUS SUBSTANCES & ENVIRONMENTAL ENGINEERING, vol.46, no.8, pp.909-913, 2011 (Journal Indexed in SCI)
- XII. **Evaluation of Butyl Rubber as Sorbent Material for the Removal of Oil and Polycyclic Aromatic Hydrocarbons from Seawater**

## Articles Published in Other Journals

- I. **Observing the Water Quality in the Vicinity of Green Ports Located in the Marmara Sea, Turkey**  
Yakan DüNDAR S. D.  
Çanakkale Onsekiz Mart Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.6, no.1, pp.1-13, 2020 (National Refreed University Journal)
- II. **Contribution of Passive Sampling Devices on the Determination of Hydrophobic Organic Contaminant Bioaccumulation in Marine Organisms**  
Yakan DüNDAR S. D.  
AQUATIC SCIENCES and ENGINEERING, vol.35, no.4, pp.1-6, 2020 (National Refreed University Journal)
- III. **AÇIK DENİZ PETROL ENDÜSTRİSİNİN EKOTOKSİKOLOJİK ETKİLERİ**  
DEMİRHAN A. E. , YAKAN DÜNDAR S. D.  
GİDB Dergi, 2019 (Other Refereed National Journals)
- IV. **AÇIK DENİZ YAPILARININ EKOLOJİK ETKİLERİ**  
DEMİRHAN A. E. , YAKAN DÜNDAR S. D.  
GİDB Dergi, 2019 (Other Refereed National Journals)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Mathematical Linkage of Active and Passive Samplers for the Determination of Anthropogenic Impacts on the Coastal Areas of Turkey**  
Yakan DüNDAR S. D.  
Global changes in estuarine and coastal systems: innovative approaches and assessment tools, Bordeaux, France, 4 - 08 November 2019, pp.50
- II. **ANTARKTİK EKOSİSTEMİNDE PASİF ÖRNEKLEYİCİ UYGULAMALARI**  
YAKAN DÜNDAR S. D. , TÜREYEN O. E. , YILMAZ A., YETİŞKİN B., KARACIK B., TUTAK B., ATABAY H., TOLUN L., OKAY O.  
3. Ulusal Kutup Bilimleri Çalıştayı, Ankara, Turkey, 5 - 06 September 2019
- III. **Passive Sampling Applications in the Antarctic Ecosystem**  
YAKAN DÜNDAR S. D. , TÜREYEN O. E. , YILMAZ A., Yetişkin B., KARACIK B., TUTAK B., Atabay H., Tolun L., OKAY O.  
19th International Symposium on Toxicity Assessment, 25 - 30 August 2019
- IV. **Performance of Butyl Rubber Based Macroporous Sorbents as Alternative Passive Samplers**  
TÜREYEN O. E. , YILMAZ A., YAKAN DÜNDAR S. D. , YETİŞKİN B., OKAY O., OKAY O.  
19th International Symposium on Toxicity Assessment, Selanik, Greece, 25 - 30 August 2019
- V. **Lake phytoplankton production and nutrient limitation in King George Island, Antarctica**  
OLĞUN KIYAK N., ÇELİK BALCI N., KURT M. A. , TARI U., ALTUNKAYNAK Ş., YAKAN DÜNDAR S. D. , YILMAZ A., DEMİREL C., ASTARGO M. S. , THALASSO F., et al.  
INTERNATIONAL MARINE FRESHWATER SCIENCES SYMPOSIUM, 18 - 21 October 2018, pp.209-2010
- VI. **Antarktika King George Adası birincil üretim ve etken faktörler**  
OLĞUN KIYAK N., ÇELİK BALCI N., DEMİREL C., KURT M. A. , ASTARGO M. S. , THALASSO F., CABROL L., TARI U., ALTUNKAYNAK Ş., YAKAN DÜNDAR S. D. , et al.  
II. Kutup (Arktik ve Antarktik) Bilim Programı Çalıştayı, Turkey, 12 - 13 September 2018
- VII. **Antarktika King George Adası göllerinde birincil üretim ve etken faktörler**  
OLGUN N., ÇELİK BALCI N., DEMİREL C., KURT M. A. , ASTORGA M. S. , COBRAL L., THALASSO F., HOFFMANN L., TARI U., ALTUNKAYNAK Ş., et al.  
2. Kutup Bilimleri Çalıştayı, Turkey, 12 - 13 September 2018

- VIII. **Use of polymers as passive samplers to mimic uptake of organic pollutants by marine organisms**  
OKAY O., YILMAZ A., YAKAN DÜNDAR S. D. , KARACIK B.  
IBMEC, 24 - 27 May 2018
- IX. **Poliaromatik Hidrokarbonların Antarktika Yarımadasında Yayılımı ve Kaynakları**  
Karacık B., Yılmaz A., Yakan Dünder S. D. , Gülnerman Gengeç A. G. , Özsoy B.  
3. Ulusal Deniz Bilimleri Konferansı, İzmir, Turkey, 9 - 12 May 2018, pp.1
- X. **Pollution in Port Cities; Understanding Sources, Impacts and, Developing Solutions.**  
Yakan Dünder S. D. , GERRARD S., KIM J. K. , LOXHAM M., MAYON R., SAJID A. M. Y. , SHENOI A.  
11th Meeting of Port-city Universities League (PUL 2017), Incheon, South Korea, 18 - 20 September 2017, pp.1
- XI. **Pollution in Port Cities**  
YAKAN DÜNDAR S. D. , GERRARD S., KIM J. K. , LOXHAM M., MAYON R., SAJID A. M. Y. , SHENOI A.  
The 11th Meeting of the Port-city Universities League (PUL), 18 - 20 September 2017
- XII. **Monitoring of Organic Pollutants by Use of Passive Samplers in Marine Environment**  
OKAY O., YILMAZ A., KARACIK B., YAKAN DÜNDAR S. D. , HENKELMANN B., SCHRAMM K.  
International Porous Powder Materials, 12 - 15 September 2017
- XIII. **Uzun Mesafeli Atmosfer Taşınımının Sediment, Toprak ve Yosun Örneklerindeki PAH ve SCP Vasiyasıyla Belirlenmesi**  
Türeyen O. E. , Yılmaz A., Yakan Dünder S. D. , Okay O.  
Kutup Bilim Programı Çalıştayı, İstanbul, Turkey, 12 - 13 April 2017, pp.49
- XIV. **Biological response of transplanted and local mussels in marinas and ship building/breaking yards in Turkey.**  
Karacık B., Yakan Dünder S. D. , Yılmaz A., Okay O.  
XIV Congresso Brasileiro de Ecotoxicologia (ECOTOX 2016), Curitiba, Brazil, 7 - 10 September 2016, pp.173
- XV. **Biological response of transplanted and local mussels in marinas and ship building breaking yards in Turkey**  
KARACIK B., YAKAN DÜNDAR S. D. , YILMAZ A., OKAY O.  
ECOTOX 2016, 7 - 10 September 2016

## Supported Projects

Yakan Dünder S. D. , Project Supported by Higher Education Institutions, Hidrofobik Organik Kirlenmelerin Türkiye'nin Farklı Bölgelerine Yerleştirilmiş Midyelerdeki Biyobirikimi: Pasif Örnekleyiciler Vasıtasıyla Gerçekleştirilen Saha ve Model Çalışması, 2016 - 2018

Yakan Dünder S. D. , Project Supported by Higher Education Institutions, Türkiye'nin Batı ve Kuzeybatısından Toplanan Midyelerdeki Ağır Metallerin Miktarlarının Belirlenmesi ve Sağlık Riskleri, 2014 - 2018

## Scientific Refereeing

Resources, Conservation & Recycling, SCI Journal, September 2017

Environmental Toxicology and Chemistry, SCI Journal, May 2016

North-Western Journal of Zoology, SCI Journal, July 2015

Marine Pollution Bulletin, SCI Journal, March 2015

Aquaculture Environment Interactions, SCI Journal, July 2014

Journal of Hazardous Materials, SCI Journal, July 2013

Environmental Science and Pollution Research, SCI Journal, March 2013

Environmental Science and Pollution Research, SCI Journal, February 2012

## Edit Congress and Symposium Activities

Global changes in estuarine and coastal systems: innovative approaches and assessment tools, Working Group, Bordeaux, France, 2019

3. Ulusal Deniz Bilimleri Konferansı, Attendee, İzmir, Turkey, 2018

III. Marmara Denizi Sempozyumu, Attendee, İstanbul, Turkey, 2017

11th Meeting of Port-city Universities League (PUL 2017), Attendee, Incheon, South Korea, 2017

XIV Congresso Brasileiro de Ecotoxicologia (ECOTOX 2016), Attendee, Curitiba, Brazil, 2016

ICMT 2014 (International Conference on Maritime Technology 2014), Attendee, Glasgow, United Kingdom, 2014

17th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region (MESAEP), Attendee, İstanbul, Turkey, 2013

17th Pollutant Responses in Marine Organisms (PRIMO), Attendee, Faro, Portugal, 2013

6th SETAC World Congress & SETAC Europe 22nd Annual Meeting, Attendee, Berlin, Germany, 2012

15th International Symposium on Toxicity Assessment, Attendee, Hong Kong, 2011

6th International Conference on Marine Pollution and Ecotoxicology, Attendee, Hong Kong, 2010

Second International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 09) & SECOTOX Conference, Attendee, –Seçiniz–, Greece, 2009

ICMRT'07 (2nd International Conference on Marine Research and Transportation, Attendee, Naples, Italy, 2007

## **Citations**

Total Citations (WOS):282

h-index (WOS):7