

## **Res. Asst. Deniz Öztürk Sarıgül**

### **Personal Information**

**Email:** ozturkdeni@itu.edu.tr

**Web:** <https://avesis.itu.edu.tr/ozturkdeni>

**Address:** İTÜ Gemi İnşaatı ve Deniz Bilimleri Fakültesi, Maslak, Sarıyer, İstanbul

### **International Researcher IDs**

ScholarID: vjuzMHgAAAAJ

ORCID: 0000-0002-6694-3277

Publons / Web Of Science ResearcherID: ABD-1144-2020

ScopusID: 57219656733

Yoksis Researcher ID: 265287

### **Education Information**

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Deniz Teknolojisi Mühendisliği, Turkey 2019 - 2023

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Turkey 2016 - 2019

Undergraduate, Istanbul Technical University, Gemi İnşaatı Ve Deniz Bilimleri Fakültesi, Gemi Ve Deniz Teknolojisi Mühendisliği, Turkey 2012 - 2016

### **Foreign Languages**

English, B2 Upper Intermediate

### **Dissertations**

Postgraduate, Investigation of The Performance of a Circular Cross-section Roll Stabilizer System Working with a Magnus Effect on a Full-Scale Motor yacht, Istanbul Technical University, Gemi İnşaatı ve Deniz Bilimleri, Gemi Ve Deniz Teknolojisi Mühendisliği, 2019

### **Research Areas**

Marine Sciences and Technology, Naval Architecture and Marine Engineering, Ship Hydromechanics, Ship Construction, Engineering and Technology

### **Academic Titles / Tasks**

Research Assistant, Istanbul Technical University, Gemi İnşaatı ve Deniz Bilimleri, Gemi Ve Deniz Teknolojisi Mühendisliği, 2017 - Continues

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

- I. **Turning circle tests with system-based simulations in irregular waves including wave drift and propeller side forces**  
 Kinacı Ö. K., Öztürk D.  
 Ocean Engineering, vol.274, 2023 (SCI-Expanded)
- II. **Straight-ahead self-propulsion and turning maneuvers of DTC container ship with direct CFD simulations**  
 Kinacı Ö. K., Öztürk D.  
 Ocean Engineering, vol.244, 2022 (SCI-Expanded)
- III. **Free-running tests for DTC self-propulsion – An investigation of lateral forces due to the rudder and the propeller**  
 Kinacı Ö. K., Delen C., Bitirgen R., Bayezit A. B., Bayezit İ., Öztürk D., Güngüder B.  
 Applied Ocean Research, vol.116, 2021 (SCI-Expanded)
- IV. **Full-scale cfd analysis of double-m craft seakeeping performance in regular head waves**  
 Öztürk D., Delen C., Mancini S., Şerifoğlu M. O., Hızarcı T.  
 Journal of Marine Science and Engineering, vol.9, no.5, 2021 (SCI-Expanded)
- V. **Performance of a Magnus effect-based cylindrical roll stabilizer on a full-scale Motor-yacht**  
 Öztürk D.  
 Ocean Engineering, vol.218, 2020 (SCI-Expanded)

## Articles Published in Other Journals

- I. **The Effect of Propeller Pitch on Ship Propulsion**  
 Öztürk D., Delen C., Belhenniche S. E., Kinacı Ö. K.  
 Transactions on Maritime Science, vol.11, no.1, pp.133-155, 2022 (Scopus)
- II. **An Optimized Routing Procedure for Safe Navigation of Large Tankers in the Strait of Istanbul**  
 Öztürk D., Sarıöz K.  
 Journal of ETA Maritime Science, vol.10, no.1, pp.61-73, 2022 (ESCI)
- III. **Experimental and Numerical Investigation of the Effects of Different Draft and Wave Frequency Combinations on the Performance of a Fixed OWC Wave Energy Converter**  
 Öztürk D., Şerifoğlu M. O.  
 Journal of ETA Maritime Science, vol.9, no.4, pp.266-273, 2021 (ESCI)
- IV. **Risk Based Sea Ambulance Design**  
 Menteş A., Koc C. B., Öztürk D., Bilici G., Guven E., Baki Y., Kircicegi E.  
 JOURNAL OF ETA MARITIME SCIENCE, vol.7, no.1, pp.17-32, 2019 (ESCI)
- V. **FAULT TOLERANT CONTROL OF ROTOR SWING STABILIZER SYSTEM USING FMEA METHOD**  
 Öztürk D., Akyıldız H.  
 GİDB dergi, no.7, pp.33-47, 2016 (Non Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Magnus Etkisiyle Çalışan Yalpa Önleyici bir Sistemin İncelenmesi**  
 Öztürk D.  
 21. Ulusal Mekanik Kongresi, Niğde, Turkey, 2 - 06 September 2019, pp.427-434
- II. **Türkiye'deki Limanların Risk Tabanlı Performans Analizi**  
 ÖZTÜRK D., MENTEŞ A., AKYILDIZ H.  
 9. KIYI MÜHENDİSLİĞİ SEMPOZYUMU 1-3 Kasım 2018 ADANA, Adana, Turkey, 1 - 03 November 2018
- III. **Risk Based Security Performance of Port Facilities in Turkey**  
 Öztürk D., Türker O., Menteş A., Akyıldız H.  
 3rd International Naval Architecture and Maritime Symposium, INT-NAM, İstanbul, Turkey, 24 - 25 April 2018,

pp.471-481

**IV. Assessment of Barriers to Short Sea Shipping in Turkey**

Öztürk D., Giray İ., Gül M., Menteş A., Akyıldız H.

3rd International Naval Architecture and Maritime Symposium, INT-NAM, İstanbul, Turkey, 24 - 25 April 2018,  
pp.483-494

**V. Akıllı yalpa önleyici bir sistemin hata tolerans kontrolü ile risk analizi**

Öztürk D., Akyıldız H.

GMO SHIPMAR, İstanbul, Turkey, 8 - 09 December 2016, pp.1-13

## **Supported Projects**

Köroğlu S. A., Akyıldız H., Öztürk D., Project Supported by Higher Education Institutions, Gezinti Tekneleri için Bir Akıllı  
Yalpa Önleyici Bir Sistemin Hidrodinamik Analizi, 2017 - 2020

Akyıldız H., Menteş A., Öztürk D., Project Supported by Higher Education Institutions, Türkiyedeki Kıyı ve Kısa Mesafe  
Denizyolu Taşımacılığının Risk Tabanlı Değerlendirilmesi, 2017 - 2019

## **Metrics**

Publication: 15

Citation (WoS): 11

Citation (Scopus): 38

H-Index (WoS): 3

H-Index (Scopus): 4

## **Scholarships**

The Walter M. and Doris H. Maclean Scholarship, Other International Organizations, 2022 - 2023

## **Awards**

Öztürk D., Hızarcı T., Şerifoğlu M. O., İmeak Deniz Ticaret Odası, July 2020

## **Non Academic Experience**

GEMİ MÜHENDİSLERİ ODASI