

## Res. Asst. BERNA KANBEROĞLU ARSLAN

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: ABG-9241-2020

ScopusID: 57219416778

Yoksis Researcher ID: 302223

### Education Information

Doctorate, Yildiz Technical University, Naval Architecture And Maritime Faculty, Department Of Naval Architecture And Marine Engineering, Turkey 2020 - Continues

Postgraduate, Yildiz Technical University, Naval Architecture And Maritime Faculty, Gemi İnşaatı Ve Gemi Makineleri Mühendisliği, Turkey 2017 - 2020

Undergraduate, Yildiz Technical University, Naval Architecture And Maritime Faculty, Gemi Makineleri İşletme Mühendisliği, Turkey 2010 - 2015

### Research Areas

Engineering and Technology

### Academic Titles / Tasks

Research Assistant, Yildiz Technical University, Naval Architecture And Maritime Faculty, Department Of Marine Engineering Operations, 2019 - Continues

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

- I. **Experimental investigation and parametric modeling of the effect of alcohol addition on the performance and emissions characteristics of a diesel engine fueled with biodiesel-diesel-hydrogen fuel mixtures**  
Shirneshan A., KANBEROĞLU ARSLAN B., GONCA G.  
Fuel, vol.381, 2025 (SCI-Expanded)
- II. **The effects of ammonia addition on the emission and performance characteristics of a diesel engine with variable compression ratio and injection timing**  
OKUMUŞ F., KANBEROĞLU ARSLAN B., GONCA G., KÖKKÜLÜNK G., Aydın Z., Kaya C.  
International Journal of Hydrogen Energy, vol.64, pp.186-195, 2024 (SCI-Expanded)
- III. **The effects of different working fluids on the performance characteristics of the Rankine and Brayton cycles**  
KANBEROĞLU ARSLAN B., Ozsari I., Dobrucali E., GONCA G.

International Journal of Hydrogen Energy, vol.49, pp.1059-1074, 2024 (SCI-Expanded)

**IV. Assessment of CO2 emissions for a bulk carrier fleet**

Kanberođlu B., Kökkülünk G.

JOURNAL OF CLEANER PRODUCTION, vol.283, 2021 (SCI-Expanded)

## Articles Published in Other Journals

**I. Decarbonization of Maritime Transportation: A Case Study for Turkish Ship Fleet**

Kanberođlu Arslan B., Turan E., Kökkülünk G.

Journal of Marine Science and Application, vol.22, no.4, pp.716-727, 2023 (ESCI)

## Refereed Congress / Symposium Publications in Proceedings

**I. An Investigation on Energy Efficiency of Turkish-owned Bulk Carrier Fleet**

Kanberođlu B., Turan E., Kökkülünk G.

4th GLOBAL CONFERENCE ON INNOVATION IN MARINE TECHNOLOGY AND THE FUTURE OF MARITIME TRANSPORTATION (GMC'21), İstanbul, Turkey, 18 - 19 November 2021, pp.23

**II. ASSESMENT OF ENERGY EFFICIENCY OF A BULK CARRIER SHIP IN ACCORDANCE WITH INTERNATIONAL REGULATIONS**

Kanberođlu B., Kökkülünk G.

IV. INTERNATIONAL SCIENTIFIC AND VOCATIONAL STUDIES CONGRESS - ENGINEERING, Ankara, Turkey, 7 - 10 November 2019, pp.1

## Supported Projects

TUBITAK Project, Hidrojen-amonyak karışımlarıyla çalıştırılan bir dizel motora mikrodalga uygulamasının ve emisyonların hidrojen peroksit karışımlarıyla oksidasyonunun motorun emisyon ve performans karakteristiklerine etkilerinin incelenmesi, 2022 - 2025

TURAN E., KÖKKÜLÜNK G., KANBEROĐLU B., Project Supported by Higher Education Institutions, Türk Sahipli Gemi Filosunun Mevcut Enerji Verimliliđi İndeks (EEXI) Analizi, 2021 - 2023

## Metrics

Publication: 7

Citation (WoS): 9

Citation (Scopus): 54

H-Index (WoS): 1

H-Index (Scopus): 4