

## Asst. Prof. MUSTAFA NURAN

### Personal Information

**Email:** mustafa.nuran@deu.edu.tr

**Web:** <https://avesis.deu.edu.tr/mustafa.nuran>

### International Researcher IDs

ScholarID: I1Y6k4MAAAAJ

ORCID: 0000-0003-2779-7980

Publons / Web Of Science ResearcherID: ABB-3353-2020

ScopusID: 57204966200

Yoksis Researcher ID: 143214

### Education Information

Doctorate, Dokuz Eylul University, Sosyal Bilimler Enstitüsü, Denizcilik İşletmeleri Yönetimi (Dr), Turkey 2010 - 2014

Postgraduate, Dokuz Eylul University, Sosyal Bilimler Enstitüsü, Denizcilik İşletmeleri Yönetimi (YI) (Tezli), Turkey 2005 - 2008

Undergraduate, Istanbul Technical University, Denizcilik Fakültesi, Gemi Makineleri İşletme Mühendisliği Bölümü, Turkey 1991 - 1996

### Dissertations

Doctorate, Gemi makineleri işletme mühendisliği: Alternatif enerji kaynakları için karşılaştırmalı maliyet analizi, Dokuz Eylul University, Sosyal Bilimler Enstitüsü, Denizcilik İşletmeleri Yönetimi (Dr), 2014

Postgraduate, Gemi makineleri işletme mühendisliğinde aktif eğitim uygulamaları, Dokuz Eylul University, Sosyal Bilimler Enstitüsü, Denizcilik İşletmeleri Yönetimi (YI) (Tezli), 2008

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

- I. **Reduction of the harmful NO<sub>x</sub> pollutants emitted from the ship engines using high-pressure selective catalytic reduction system**  
Bayramoğlu K., Yılmaz S., Nuran M.  
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, no.x, pp.1-13, 2024 (SCI-Expanded)
- II. **Energy, exergy, sustainability evaluation of the usage of pyrolytic oil and conventional fuels in diesel engines**  
Bayramoğlu K., NURAN M.  
Process Safety and Environmental Protection, vol.181, pp.324-333, 2024 (SCI-Expanded)
- III. **Energy and exergy analyses of hydrogen addition in a diesel engine**  
Bayramoğlu K., Yılmaz S., Nuran M.  
INTERNATIONAL JOURNAL OF EXERGY, vol.37, no.4, pp.377-392, 2022 (SCI-Expanded)
- IV. **THE ENERGY EFFICIENCY GAP IN TURKISH MARITIME TRANSPORTATION**  
Konur O., Bayraktar M., Pamık M., Kuleyin B., Nuran M.  
POLISH MARITIME RESEARCH, vol.26, no.3, pp.98-106, 2019 (SCI-Expanded)

## Articles Published in Other Journals

- I. **A LONGITUDINAL STUDY ON KNOWLEDGE, SKILLS AND ATTITUDES OF NEWLY GRADUATED MARINE ENGINEERS**  
Nuran M.  
Mersin University Journal of Maritime Faculty, vol.5, no.1, pp.7-14, 2023 (Peer-Reviewed Journal)
- II. **An assessment of electric motors from the point of marine propulsion systems**  
Bayraktar M., Nuran M.  
World Journal of Environmental Research, vol.12, no.1, pp.43-49, 2022 (Peer-Reviewed Journal)
- III. **Multi-Criteria Decision Making using TOPSIS Method for Battery Type Selection in Hybrid Propulsion System**  
Bayraktar M., Nuran M.  
TRANSACTIONS ON MARITIME SCIENCE-TOMS, vol.11, no.1, pp.45-53, 2022 (ESCI)
- IV. **A Revelatory Case Study for the Emergence of Powerships: The Floating Power Plant Innovation for Rural Electrification**  
Pamık M., Bayraktar M., Konur O., Nuran M.  
Transactions on Maritime Science, vol.11, no.1, pp.54-66, 2022 (ESCI)
- V. **THE HISTORICAL PROCESS OF THE DIESEL ELECTRIC PROPULSION SYSTEM**  
Pamık M., Nuran M.  
Dokuz Eylül Üniversitesi Denizcilik Fakültesi Dergisi, vol.13, no.2, pp.299-316, 2021 (Peer-Reviewed Journal)
- VI. **Effects of nozzle opening pressure and fuel injection timing on engine performance and exhaust emissions of a diesel engine fuelled with marine fuels**  
Gülmez Y., Nuran M.  
Dokuz Eylül Üniversitesi Denizcilik Fakültesi Dergisi, vol.12, no.2, pp.259-284, 2020 (Peer-Reviewed Journal)
- VII. **Increasing ship energy efficiency with diesel-electric propulsion system**  
Pamık M., Nuran M.  
World Journal of Environmental Research, vol.10, no.2, pp.50-60, 2020 (Peer-Reviewed Journal)
- VIII. **Reliability, availability, and maintainability analysis of the propulsion system of a fleet**  
Bayraktar M., NURAN M.  
SCIENTIFIC JOURNALS OF THE MARITIME UNIVERSITY OF SZCZECIN-ZESZYTY NAUKOWE AKADEMII MORSKIEJ W SZCZECINIE, vol.12, no.142, pp.63-70, 2020 (ESCI)
- IX. **Analyzing the Effect of Fuel Injection Timing and Injection Duration on Performance and Emissions in Diesel Engines**  
Bayramoğlu K., Nuran M.  
JOURNAL OF ETA MARITIME SCIENCE, vol.8, no.1, pp.38-52, 2020 (ESCI)
- X. **EMISSION REDUCTION TECHNOLOGIES FOR MARINE DIESEL ENGINES: A SYSTEM DYNAMICS APPROACH**  
Pamık M., Nuran M., Cerit A. G.  
Dokuz Eylül Üniversitesi Denizcilik Fakültesi Dergisi, vol.7, no.1, pp.55-74, 2015 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Teknik ve Bilimsel Yaklaşımlarla Gemi Makineleri İşletme Mühendisliği**  
Nuran M. (Editor), Kılıç A. (Editor)  
Nobel Yayın Dağıtım, Ankara, 2023
- II. **Gemilerde Emisyon Azaltma Yöntem ve Teknolojileri**  
Nuran M., Özispa N.  
in: Teknik ve Bilimsel Yaklaşımlarla Gemi Makineleri İşletme Mühendisliği, Dr.Öğr.Üyesi Mustafa Nuran, Prof. Dr. Alper Kılıç, Editor, Nobel Yayın Dağıtım, Ankara, pp.313-338, 2023
- III. **DOES CO2 EMISSIONS DIFFER ACCORDING TO SHIP TYPE?**  
Nuran M., Özispa N.

in: SCIENTIFIC EVALUATION OF ECONOMIC AND FINANCIAL ISSUES: Theory and Practice, Karabulut Şahin, Editor, Gazi Kitapevi, Ankara, pp.551-565, 2021

IV. **Gemi Makineleri İşletme Mühendisliği Ekonomisi: Alternatif Enerji Kaynakları İçin Karşılaştırmalı Maliyet Analizi**

Nuran M.

Dokuz Eylül Üniversitesi Yayınları, İzmir, 2015

## **Refereed Congress / Symposium Publications in Proceedings**

I. **Power Quality on Shipboard Microgrid System in terms of Reactive Power Compensation**

Fikir E., Nuran M., Pamık M.

1st International Maritime and Logistics Conference (MARLOGCONGRESS'23), Zonguldak, Turkey, 22 - 23 September 2023, pp.207-213

II. **Cost Effect of EU's Carbon Levy by Container Ship Capacities**

Nuran M., Arabelen G., Özispa N.

International Association of Maritime Universities (IAMU) Conference - IAMU AGA 22, Batumi, Georgia, 19 - 22 October 2022, pp.22-28

III. **The Emergence of Powerships: A Relevatory Case Study**

Pamık M., Bayraktar M., Konur O., Nuran M.

IMLA 26, Batumi, Georgia, 23 - 25 September 2019

IV. **APPROPRIATE PROPELLERS WITH DIESEL ELECTRIC PROPULSION SYSTEM TO REDUCE EMISSIONS**

Pamık M., Bilir Fidan C. Ö., Ziyilan K., Fikir E., Nuran M.

7th Global Conference on Global Warming - GCGW 2018, İzmir, Turkey, 24 - 28 June 2018

V. **Numerical Analysis of Diesel Engine Performance and Exhaust Emissions with Diesel-Ethanol Fuel Blends**

Kaya K. D., Bayramoğlu K., Yılmaz S., Nuran M.

7th Global Conference on global warming, İzmir, Turkey, 27 - 28 June 2018

VI. **Numerical Investigation of the Effect of Injection Timing on Engine Performance and Exhaust Emission in Diesel Engines**

Bayramoğlu K., Nuran M.

II. uluslararası Şehir, Çevre, Sağlık Kongresi, Nevşehir, Turkey, 19 - 20 April 2018

VII. **A LITERATURE REVIEW ON EFFECTS OF COMBUSTION VARIABLES TO ENGINE PERFORMANCE AND EXHAUST EMISSIONS ON DIESEL ENGINES**

Gülmez Y., Nuran M.

THE SECOND GLOBALCONFERENCE ON INNOVATION IN MARINETECHNOLOGY ANDTHE FUTURE OF MARITIMETRANSPORTATION, Muğla, Turkey, 24 - 25 October 2016, pp.704-713

## **Metrics**

Publication: 25

Citation (WoS): 17

Citation (Scopus): 60

H-Index (WoS): 3

H-Index (Scopus): 3