

Lect. PhD BUĞRA ARDA ZİNCİR

Personal Information

Email: bazincir@gsu.edu.tr

Web: <https://avesis.gsu.edu.tr/bazincir>

International Researcher IDs

ORCID: 0000-0003-1036-2411

Yoksis Researcher ID: 357058

Education Information

Doctorate, Istanbul Technical University, Lisansüstü Eğitim Enstitüsü, Maritime Transportation Engineering Programme, Turkey 2020 - 2024

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Deniz Ulaştırma Mühendisliği, Turkey 2018 - 2020

Undergraduate, SUNY Maritime College, Marine Operations, United States Of America 2012 - 2017

Undergraduate, Istanbul Technical University, Denizcilik, Gemi Makineleri İşletme Mühendisliği, Turkey 2012 - 2017

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Environmental assessment of alternative marine fuels and installations, Istanbul Technical University, Lisansüstü Eğitim Enstitüsü, 2024

Postgraduate, Comparison of the carbon capture systems for onboard application and voyage performance investigation by a case study, Istanbul Technical University, Fen Bilimleri Enstitüsü, Deniz Ulaştırma Mühendisliği, 2020

Research Areas

Air Pollution and Control, Renewable Energy Systems, Alternative Energy Resources, Ship Machines

Academic Titles / Tasks

Lecturer, Galatasaray University, Meslek Yüksek Okulu, Gemi Makineleri İşletmeciliği Programı, 2021 - Continues

Academic and Administrative Experience

Assistant Director of Vocational School, Galatasaray University, Meslek Yüksek Okulu, Gemi Makineleri İşletmeciliği Programı, 2024 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Environmental impact investigation of combined CCS and SCR on a ship by a case study**
Zincir B. A., Zincir B., Deniz C., Usluer H. B., Arslanođlu Y.
GREENHOUSE GASES: SCIENCE AND TECHNOLOGY, vol.1, no.13, pp.1-13, 2024 (SCI-Expanded)
- II. **Comparative Life Cycle Assessment of Alternative Marine Fuels**
Zincir B. A., Arslanođlu Y.
Fuel, vol.358, 2024 (SCI-Expanded)

Articles Published in Other Journals

- I. **Effect of Mucilage Pollution on Ship Cooling Systems: A Case Study**
USLUER H. B., EJDER E., ZİNCİR B. A., ARSLANOĐLU Y.
Marine Science and Technology Bulletin, vol.11, no.1, pp.179-186, 2022 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **SWOT Analysis of Carbon Capture, Storage, and Transportation for Maritime Industry**
Zincir B. A., Zincir B., Arslanođlu Y.
in: Decarbonization of Maritime Transport, Burak Zincir, Pravesh Chandra Shukla, Avinash Kumar Agarwal, Editor,
Springer Nature, Singapore, pp.117-140, 2023

Refereed Congress / Symposium Publications in Proceedings

- I. **Life Cycle and Cost Assessment of Different Ammonia Fuels on a Case Ship**
ZİNCİR B. A., DURUKAN Ö., ARSLANOĐLU Y.
GLOBAL MARITIME CONGRESS, İstanbul, Turkey, 20 - 21 May 2024
- II. **HAZOP analysis of Ship Inert Gas System: A Case Study**
Durukan Ö., Arslanođlu Y., Zincir B. A.
GLOBAL MARITIME CONGRESS, İstanbul, Turkey, 20 - 21 May 2024
- III. **USING AN E-FUEL METHOD TO MEET THE 2030 DECARBONIZATION TARGET: A CASE STUDY**
ZİNCİR B. A., ZİNCİR B., USLUER H. B., ARSLANOĐLU Y.
International Symposium on Energy Management and Sustainability (ISEMAS) 2022, İstanbul, Turkey, 05 April
2022, pp.129-130
- IV. **Effect of Mucilage Pollution on Ship Energy Efficiency**
Ejder E., USLUER H. B., ZİNCİR B. A., ARSLANOĐLU Y.
4th GLOBAL CONFERENCE ON INNOVATION IN MARINE TECHNOLOGY AND THE FUTURE OF MARITIME
TRANSPORTATION NOVEMBER, GMC'21, İstanbul, Turkey, 18 November 2021

Supported Projects

USLUER H. B., DURUKAN Ö., ZİNCİR B. A., Project Supported by Higher Education Institutions, ULUSLARARASI DENİZ TAŞIMACILIĞINDA ÇALIŞAN UNSURLARIN ACİL DURUM VE ARAMA KURTARMA FAALİYETLERİNDE GEREKLİLİKLERİNİN ÖNEMİ VE DENİZCİ ULUSLARIN DENİZCİLİK POLİTİKASINA VE SÜRDÜRÜLEBİLİR KALKINMAYA ETKİSİ, 2023 - Continues