

Lect. Araks EKMEKÇİOĞLU

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAZ-9137-2020

ScopusID: 57213815796

Yoksis Researcher ID: 274803

Education Information

Postgraduate, Yildiz Technical University, Naval Architecture And Maritime Faculty, Department Of Naval Architecture And Marine Engineering, Turkey 2018 - 2020

Undergraduate, Anadolu University, Faculty Of Business Administration, İşletme, Turkey 2004 - 2018

Undergraduate, Yildiz Technical University, Faculty Of Mechanical Engineering, Gemi İnşaatı Ve Makineleri Mühendisliği, Turkey 2003 - 2007

Dissertations

Postgraduate, Gemi kaynaklı emisyonların nümerik yöntemlerle hesaplanması, Yildiz Technical University, Naval Architecture And Maritime Faculty, 2020

Research Areas

Engineering and Technology

Academic Titles / Tasks

Lecturer, Yildiz Technical University, Naval Architecture And Maritime Faculty, Department Of Marine Engineering Operations, 2017 - Continues

Courses

Undergraduate

Gemi Makineleri İşletme Mühendisliğine Giriş ve Etik, Undergraduate, 2024 - 2025

Gemi Makineleri Operasyonu ve Bakımı 2, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

Makine Dairesi Simülatörü 1, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

Gemi Makineleri Operasyonu ve Bakımı , Undergraduate, 2022 - 2023

Makine Dairesi Simülatörü 2, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

Gemi Sistemlerinin Analizi, Undergraduate, 2020 - 2021, 2019 - 2020

Gemi Yardımcı Makineleri 1, Undergraduate, 2019 - 2020

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Effect of the low sulphur regulations of maritime fuels on ambient air quality: a case study in the Bosphorus strait**
Ekmekçioğlu A., Çelebi U. B., Ünlügençoğlu K., Kuzu S. L.
International Journal of Environmental Science and Technology, vol.22, no.6, pp.4495-4502, 2025 (SCI-Expanded)
- II. **Container ship emission estimation model for the concept of green port in Turkey**
EKMEKÇİOĞLU A., Unlugencoglu K., Celebi U. B.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART M-JOURNAL OF ENGINEERING FOR THE MARITIME ENVIRONMENT, vol.236, no.2, pp.504-518, 2022 (SCI-Expanded)
- III. **Estimation of shipping emissions based on real-time data with different methods: A case study of an oceangoing container ship**
EKMEKÇİOĞLU A., ÜNLÜGENÇOĞLU K., ÇELEBİ U. B.
ENVIRONMENT DEVELOPMENT AND SUSTAINABILITY, vol.24, pp.4451-4470, 2022 (SCI-Expanded)
- IV. **MODELLING SHIPS MAIN AND AUXILIARY ENGINE POWERS WITH REGRESSION-BASED MACHINE LEARNING ALGORITHMS**
OKUMUŞ F., EKMEKÇİOĞLU A., Kara S.
POLISH MARITIME RESEARCH, vol.28, no.1, pp.83-96, 2021 (SCI-Expanded)
- V. **Assessment of shipping emission factors through monitoring and modelling studies**
EKMEKÇİOĞLU A., KUZU S. L., ÜNLÜGENÇOĞLU K., ÇELEBİ U. B.
SCIENCE OF THE TOTAL ENVIRONMENT, vol.743, pp.140742, 2020 (SCI-Expanded)

Articles Published in Other Journals

- I. **MODELING OF GENERAL CARGO SHIP'S MAIN ENGINE POWERS WITH REGRESSION BASED MACHINE LEARNING ALGORITHMS: COMPARATIVE RESEARCH**
Okumuş F., Ekmekçioğlu A.
Mersin University Journal of Maritime Faculty, vol.3, no.1, pp.1-8, 2021 (Peer-Reviewed Journal)
- II. **SHIP EMISSION ESTIMATION FOR IZMIR AND MERSIN INTERNATIONAL PORTS - TURKEY**
EKMEKÇİOĞLU A., ÜNLÜGENÇOĞLU K., ÇELEBİ U. B.
JOURNAL OF THERMAL ENGINEERING, vol.5, no.6, pp.184-195, 2019 (ESCI)

Supported Projects

KÖKKÜLÜNK G., OKUMUŞ F., GONCA G., SÖNMEZ H. İ., KAYA C., ELÇİÇEK H., EKMEKÇİOĞLU A., Project Supported by Higher Education Institutions, Hidrojen-Amonyak-Dizel Yakıt Karışımlarıyla Çalıştırılan Bir Dizel Motorun Emisyon ve Performans Karakteristiklerinin İncelenmesi, 2021 - 2024

Metrics

Publication: 7

Citation (WoS): 32

Citation (Scopus): 97

H-Index (WoS): 3

H-Index (Scopus): 5

Non Academic Experience

Arkas Denizcilik, Uzakyol Bař Mühendis

Business Establishment Private, Arkas Denizcilik, Deniz Ticaret Filosu, Uzakyol Bař Mühendis

Arkas Denizcilik, Uzakyol 2. Mühendis

Deniz Kuvvetleri Komutanlığı TCK-AĞ6 Gemisi - Asteğmen - 2. çarkçı, Yedek Subay - Asteğmen

Arkas Denizcilik, Uzakyol 3. mühendis