

## Res. Asst. Ahmet KAYA

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Yildiz Technical University, Naval Architecture And Maritime Faculty, Gemi İnşaatı Ve Gemi Makineleri Mühendisliği, Turkey 2018 - Continues

Postgraduate, Yildiz Technical University, Naval Architecture And Maritime Faculty, Gemi İnşaatı Ve Gemi Makineleri Mühendisliği, Turkey 2015 - 2018

Undergraduate, Yildiz Technical University, Naval Architecture And Maritime Faculty, Gemi Makineleri İşletme Mühendisliği, Turkey 2009 - 2013

### Foreign Languages

English, B2 Upper Intermediate

### Research Areas

Naval Architecture and Marine Engineering, Ship Machines, Engineering and Technology

### Academic Titles / Tasks

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

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

- I. **An interval type-2 fuzzy ELECTRE approach for assessing ballast water treatment systems for ships**  
Başhan V., Demirel H., KAYA A.  
Soft Computing, vol.28, no.2, pp.1409-1423, 2024 (SCI-Expanded)
- II. **Selection of marine type air compressor by using fuzzy VIKOR methodology**  
Kaya A., Başhan V., Üst Y.  
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART M: JOURNAL OF ENGINEERING FOR THE MARITIME ENVIRONMENT, vol.236, no.1, pp.103-112, 2022 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Operation cost analysis of UV-based ballast water treatment system used on a bulk carrier ship**  
Bařhan V., KAYA A.  
Environmental Research and Technology, vol.5, no.4, pp.349-356, 2022 (Scopus)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Quantitative Analysis of Energy Storage with a Bibliometric and Altmetric Perspective**  
Bařhan V., Kaya A.  
2nd International Conference on Innovative Academic Studies, Konya, Turkey, 28 - 31 January 2023, pp.208-216
- II. **Performance, Emission and Economic Analysis of The Refrigeration Systems in Ships**  
Bařhan V., Kaya A., Özsarı İ., Arslan F., Sönmez H. İ.  
4th INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING: ICAME 2018, İstanbul, Turkey, 19 December 2018, pp.875-886
- III. **DESIGN AND CALCULATION OF THE WASTE HEAT RECOVERY POTENTIAL FOR A BULK CARRIER MARINE DIESEL GENERATOR**  
KÖKKÜLÜNK G., BAŞHAN V., KAYA A., SÖNMEZ H. İ., Sarıca A.  
3rd CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2017– ICAME2017, İstanbul, Turkey, 19 December 2017, pp.366-374
- IV. **INFLUENCES OF NITROGEN ADDITION ON PERFORMANCE CHARACTERISTICS AND NO FORMATION OF AN SI ENGINE OPERATING WITH DIFFERENT FUELS**  
KAYA A., GONCA G.  
3rd CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2017– ICAME2017, 19 December 2017, pp.656-663
- V. **EFFECTS OF LIQUID NITROGEN ADDITION TO INTAKE AIR ON THE PERFORMANCE AND NO FORMATION OF A GASOLINE ENGINE**  
KAYA A., GONCA G.  
International Conference on Engineering Technologies ICENTE 2017, 7 - 09 December 2017, pp.744-747

## Metrics

Publication: 8

## Non Academic Experience

Business Establishment Private, İnce Denizcilik A.Ş.  
İNCE DENİZCİLİK A.Ş.