

## Res. Asst. Ahmet KAYA

### Personal Information

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### International Researcher IDs

ScholarID: rwJ87yEAAAAJ

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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

## Supported Projects

KÖKKÜLÜNK G., ERGENÇ A. T., ELÇİÇEK H., AYDIN Z., SERT O., OKUMUŞ F., KAYA A., SAFA A., Kaya C., Project Supported by Higher Education Institutions, Uluslararası emisyon standartlarına uyum için gezinti ve balıkçı tekne motorlarında emülsife yakıt kullanımının deneysel olarak araştırılması, 2018 - 2020

## Metrics

Publication: 8

## Non Academic Experience

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