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Personal Information

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Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri, Gemi İnşaatı Ve Gemi Makineleri Mühendisliği, Turkey 2016 - Continues

Undergraduate, Anadolu University, Faculty Of Economıcs, İktisat, Turkey 2015 - 2019

Postgraduate, Karadeniz Technical University, Fen Bilimleri, Gemi İnşaatı Ve Gemi Makineleri Mühendisliği, Turkey 2013 - 2016

Undergraduate Minor, Karadeniz Technical University, Sürmene Deniz Bilimleri Fakültesi, Deniz Ulaştırma İşletme Müh. (Makina Prog.), Turkey 2011 - 2013

Undergraduate, Karadeniz Technical University, Sürmene Deniz Bilimleri Fakültesi, Gemi İnşaatı ve Gemi Makineleri Mühendisliği, Turkey 2008 - 2013

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Postgraduate, Alternatif Yakıt Karışımları Kullanılan Bir Dizel Motorunda Çevrimsel Farkların Yapay Sinir Ağları İle Modellenmesi, Karadeniz Technical University, Fen Bilimleri, Gemi İnşaatı Ve Gemi Makineleri Mühendisliği, 2016

Research Areas

Computer Sciences, Artificial Intelligence, Computer Learning and Pattern Recognition, Neural Networks, Mechanical Engineering, Energy, Alternative Energy Resources, Thermodynamics, Fuels and Combustion, Internal Combustion Engines, Naval Architecture and Marine Engineering, Ship Machines, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Karadeniz Technical University, Sürmene Deniz Bilimleri Fakültesi, Gemi İnşaatı ve Gemi Makineleri Mühendisliği, 2015 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

I. **A comprehensive investigation into the performance of genetic algorithm for effective shipyard topological layout**
Türk A., Gürgen S., Özkök M., Altın İ.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART M-JOURNAL OF ENGINEERING FOR THE MARITIME ENVIRONMENT, vol.236, no.3, pp.726-740, 2022 (SCI-Expanded)

II. **Risk ranking of maintenance activities in a two-stroke marine diesel engine via fuzzy AHP method**
Ünver B., ALTIN İ., GÜRGEN S.
APPLIED OCEAN RESEARCH, vol.111, 2021 (SCI-Expanded)

III. **Crankcase explosion for two-stroke marine diesel engine by using fault tree analysis method in fuzzy environment**
Ünver B., Gürgen S., Şahin B., Altın İ.
ENGINEERING FAILURE ANALYSIS, vol.97, pp.288-299, 2019 (SCI-Expanded)

IV. **Prediction of main particulars of a chemical tanker at preliminary ship design using artificial neural network**
Gurgen S., Altın İ., Özkök M.
Ships and Offshore Structures, vol.13, pp.459-465, 2018 (SCI-Expanded)

V. **Prediction of cyclic variability in a diesel engine fueled with n-butanol and diesel fuel blends using artificial neural network**
Gurgen S., Ünver B., Altın İ.
RENEWABLE ENERGY, vol.117, pp.538-544, 2018 (SCI-Expanded)

VI. **Forecasting the Baltic Dry Index by using an artificial neural network approach**
Şahin B., Gürgen S., Ünver B., Altın İ.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.26, pp.1673-1684, 2018 (SCI-Expanded)

VII. **Experimental Investigation on Cyclic Variability, Engine Performance and Exhaust Emissions in a Diesel Engine using Alcohol-Diesel Fuel Blend**
GÜRGEN S., ÜNVER B., ALTIN İ.
THERMAL SCIENCE, vol.21, no.21, pp.581-589, 2017 (SCI-Expanded)

Articles Published in Other Journals

I. **Assessing Key Factors in Marine Main Engine Selection using Fuzzy AHP Method**
GÜRGEN S., ALTIN İ.
Mersin University Journal of Maritime and Logistics Research, vol.5, no.1, pp.57-79, 2023 (Peer-Reviewed Journal)

II. **Investigation of the Effect of the Regenerative Organic Rankine Cycle System on Decarbonization for a Bulk Carrier**
GÜRGEN S., ALTIN İ.
TURKISH JOURNAL OF MARITIME AND MARINE SCIENCES, vol.8, no.2, pp.1-14, 2022 (Peer-Reviewed Journal)

III. **Bütanol-Diesel Yakıtı Kullanılan Bir Sıkıştırma Ateşlemeli Motorda Motor Performansı ve Egzoz Emisyonlarının Yapay Sinir Ağları ile Tahmini**
GÜRGEN S., ALTIN İ.
Pamukkale Üniversitesi Mühendislik Dergisi, vol.24, pp.576-581, 2018 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. **Gemi egzoz gazından atık ısı geri kazanımı için organik rankine çevriminin çok amaçlı gri kurt algoritması ile optimizasyonu**
Gürgen S., Altın İ.
Proceedings of the 2nd International Congress on Ship and Marine Technology, İstanbul, Turkey, 16 September

2021, pp.111-129

II. **Engine performance and exhaust gas temperature modeling in a diesel engine with butanol-diesel fuel blends: Comparison of artificial neural networks and regression analysis**
GÜRGEN S., ALTIN İ.
International Symposium on Innovative Approaches in Scientific Studies, Samsun, Turkey, 30 November - 02 December 2018, no.3, pp.163-166

III. **Engine performance and exhaust gas temperature modeling in a diesel Engine performance and exhaust gas temperature modeling in a diesel networks and regression analysis**
GÜRGEN S., ALTIN İ.
2nd International Symposium on Innovative Approaches in Scientific Studies, Samsun, Turkey, 30 November - 02 December 2018, vol.3, pp.163-166

IV. **Electric Drive Vehicles and Future Expectations**
GÜRGEN S., ÜNVER B., SARAL D., ALTIN İ.
IV INTERNATIONAL MULTIDISCIPLINARY CONGRESS OF EURASIA, Roma, Italy, 23 - 25 August 2017, pp.78-83

V. **Yapay Sinir Ağları ile Türkiye'nin CO2 Emisyon Tahmini**
GÜRGEN S., ÜNVER B., SARAL D., ALTIN İ.
IV INTERNATIONAL MULTIDISCIPLINARY CONGRESS OF EURASIA, Roma, Italy, 23 - 25 August 2017, pp.189-195

VI. **Investigation of Exhaust Emissions in a Biodiesel Pilot Fueled Natural Gas Engine with Stochastic Reactor Model**
PEHLİVAN E. F., ALTIN İ., GÜRGEN S.
The Second Global Conference on Innovation in Marine Technology and the Future of Maritime Transportation, Muğla, Turkey, 24 - 25 October 2016, pp.1-7

VII. **Experimental Investigation of Cyclic Variations in Diesel Engine Using Ethanol-Diesel Fuel Blends**
GÜRGEN S., ÜNVER B., ALTIN İ.
The Second Global Conference on Innovation in Marine Technology and the Future of Maritime Transportation, Muğla, Turkey, 24 - 25 October 2016, pp.1-10

Supported Projects

ALTIN İ., GÜRGEN S., Project Supported by Higher Education Institutions, Alternatif yakıt karışımları kullanılan bir dizel motorunda çevrimsel farkların yapay sinir ağları ile modellenmesi, 2015 - 2016

Scientific Refereeing

POLISH MARITIME RESEARCH, Journal Indexed in SCI-E, February 2021
SHIPS AND OFFSHORE STRUCTURES, Journal Indexed in SCI-E, January 2021
SHIPS AND OFFSHORE STRUCTURES, Journal Indexed in SCI-E, January 2021
IEEE Access, SCI Journal, September 2018
Energy Conversion and Management, SCI Journal, July 2018

Metrics

Publication: 17
Citation (WoS): 174
Citation (Scopus): 191
H-Index (WoS): 5
H-Index (Scopus): 5

Congress and Symposium Activities

2nd International Symposium on Innovative Approaches in Scientific Studies, Attendee, Samsun, Turkey, 2018
IV INTERNATIONAL MULTIDISCIPLINARY CONGRESS OF EURASIA, Attendee, Roma, Italy, 2017
The Second Global Conference on Innovation in Marine Technology and The Future of Maritime Transportation, Attendee, Muğla, Turkey, 2016

Scholarships

Erasmus+ Staj Programı, European Commission, 2019 - Continues
2211-A Yurt İçi Doktora Bursu, TUBITAK, 2016 - Continues