

Personal Information

Web: <https://avesis.itu.edu.tr/pelitci@itu.edu.tr>

International Researcher IDs

ScholarID: aWUDosgAAAAJ

ORCID: 0000-0001-8995-1694

Publons / Web Of Science ResearcherID: AAG-2589-2022

ScopusID: 57353499700

Yoksis Researcher ID: 302307

Education Information

Doctorate, Istanbul Technical University, Denizcilik, Deniz Ulaştırma İşletme Mühendisliği, Turkey 2020 - Continues

Postgraduate, Istanbul Technical University, Denizcilik, Deniz Ulaştırma İşletme Mühendisliği, Turkey 2019 - 2020

Foreign Languages

English, C1 Advanced

Research Areas

Marine Sciences and Technology

Academic Titles / Tasks

Research Assistant, Istanbul Technical University, Denizcilik, Deniz Ulaştırma İşletme Mühendisliği, 2019 - Continues

Academic and Administrative Experience

Araştırma Görevlisi Fakülte Temsilcisi, Istanbul Technical University, Denizcilik, Deniz Ulaştırma İşletme Mühendisliği, 2021 - 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Analyzing human reliability for the operation of cargo oil pump using fuzzy CREAM extended Bayesian Network (BN)**
Sezer S. I., Elidolu G., AYDIN M., Ahn S. I., Akyüz E., Kurt R. E.
Ocean Engineering, vol.299, 2024 (SCI-Expanded)
- II. **A rule-based Bayesian network modelling under evidential reasoning theory for risk analysis of anchoring operation in maritime transportation**
Tunçel A. L., Sezer S. I., Elidolu G., Uflaz E., Akyüz E., Arslan Ö.

Ocean Engineering, vol.292, 2024 (SCI-Expanded)

- III. **A quantified risk analysis for oil spill during crude oil loading operation on tanker ship under improved Z-number based Bayesian Network approach**
Sezer S. I., Elidolu G., Akyüz E., Arslan Ö.
Marine Pollution Bulletin, vol.197, 2023 (SCI-Expanded)
- IV. **Applying evidential reasoning extended SPAR-H modelling to analyse human reliability on crude oil tanker cargo operation**
Elidolu G., İl Ahn S., İlke Sezer S., Emek Kurt R., Akyüz E., Gardoni P.
Safety Science, vol.164, 2023 (SCI-Expanded)
- V. **An integrated risk assessment modelling for cargo manifold process on tanker ships under FMECA extended Dempster–Shafer theory and rule-based Bayesian network approach**
Sezer S. I., Elidolu G., Akyüz E., Arslan Ö.
Process Safety and Environmental Protection, vol.174, pp.340-352, 2023 (SCI-Expanded)
- VI. **A novel approach for the analysis of engineering complex system accidents: The casualty of the M/V Vitaspirit**
Ceylan B. O., Elidolu G., Arslanoğlu Y.
Ocean Engineering, vol.276, 2023 (SCI-Expanded)
- VII. **Operational risk assessment of ballasting and de-ballasting on-board tanker ship under FMECA extended Evidential Reasoning (ER) and Rule-based Bayesian Network (RBN) approach**
Elidolu G., Sezer S. I., Akyüz E., Arslan Ö., Arslanoğlu Y.
Reliability Engineering and System Safety, vol.231, 2023 (SCI-Expanded)
- VIII. **APPLICATION OF MACHINE LEARNING METHODS FOR PREDICTION OF SEAFARER SAFETY PERCEPTION**
Arslanoglu B., Elidolu G., Uyanık T.
TRANSACTIONS OF THE ROYAL INSTITUTION OF NAVAL ARCHITECTS PART A: INTERNATIONAL JOURNAL OF MARITIME ENGINEERING, vol.164, no. A3, pp.269-282, 2023 (SCI-Expanded)
- IX. **Numerical risk analysis of gas freeing process in oil/chemical tanker ships**
Elidolu G., Uflaz E., AYDIN M., ÇELİK E., Akyüz E., Arslan Ö.
Ocean Engineering, vol.266, 2022 (SCI-Expanded)
- X. **Quantitative failure analysis for static electricity-related explosion and fire accidents on tanker vessels under fuzzy bow-tie CREAM approach**
Elidolu G., Akyüz E., Arslan Ö., Arslanoğlu Y.
Engineering Failure Analysis, vol.131, 2022 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Evaluating the risks of marine turbocharger failure using fuzzy fault tree analysis method**
SERÇE Ç., ELİDOLU G., ARSLANOĞLU Y.
4th International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2022), Ankara, Turkey, 14 - 16 December 2022, pp.172
- II. **Mucilage-related risk assessment in the Marmara Sea using AHP-TOPSIS methods**
ELİDOLU G., ATAK Ü., DESTANOĞLU O., ARSLANOĞLU Y.
4th Global Conference on Innovation in Marine Technology and the Future of Maritime Transportation (GMC'21), Turkey, 18 November 2021
- III. **Introducing a digital training system for safe Turkish Straits**
ELİDOLU G., AKYÜZ E., ARSLANOĞLU Y., ARSLAN Ö.
4th Global Conference on Innovation in Marine Technology and the Future of Maritime Transportation (GMC'21), İstanbul, Turkey, 18 November 2021
- IV. **Hull cleaning effects on CO2 emissions: estimation with machine learning methods**
ELİDOLU G., UYANIK T., ARSLANOĞLU Y.

5th International Mediterranean Science and Engineering Congress (IMSEC 2020), Antalya, Turkey, 21 - 23 October 2020

V. Seafarer personnel selection with Fuzzy AHP

Elidolu G., Uyanık T., Arslanoğlu Y.

5th International Mediterranean Science and Engineering Congress (IMSEC 2020)), Antalya, Turkey, 21 - 23 October 2020, pp.632-636

VI. Estimation of safe work behavior of seafarers using Artificial Neural Network

ELİDOLU G., UYANIK T., ARSLANOĞLU Y.

4th International Mediterranean Science and Engineering Congress (IMSEC 2019), Antalya, Turkey, 24 - 27 April 2019

Supported Projects

Arslanoğlu Y., Elidolu G., Project Supported by Higher Education Institutions, Gemilerde Yük Operasyonları Üzerine Risk Değerlendirmesi, 2022 - Continues

Arslan Ö., Akyüz E., Elidolu G., EU Supported Other Project, Development of Training System For Safe Turkish Straits (SafeSTRAITS), 2021 - 2023

Arslanoğlu Y., Akyüz E., Arslan Ö., TUBİTAK Project, MUSİLAJIN GEMİ MAKİNE SİSTEMLERİNE SOSYOEKONOMİK ETKİLERİ VE RİSK ANALİZİ DEĞERLENDİRMESİ, 2021 - 2022

Metrics

Publication: 16

Citation (WoS): 2

Citation (Scopus): 73

H-Index (WoS): 1

H-Index (Scopus): 4