

Kişisel Bilgiler

E-posta: celikmet@itu.edu.tr

Eğitim Bilgileri

Doktora, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Deniz Ulaştırma Ve İşletme Mühendisliği (Dr), Türkiye 2006 - 2009

Yüksek Lisans, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Deniz Ulaştırma Ve İşletme Mühendisliği (Disiplinlerarası) (YI) (Tezli), Türkiye 2004 - 2006

Lisans, İstanbul Teknik Üniversitesi, Denizcilik Fakültesi, Gemi Makineleri İşletme Mühendisliği Bölümü, Türkiye 1998 - 2003

Yabancı Diller

İngilizce

Araştırma Alanları

Teknik Bilimler, Endüstri Mühendisliği, Kalite ve Güvenilirlik, Güvenilirlik ve Bakım, Kalite Kontrolü , Gemi İnşaatı ve Gemi Makinaları Mühendisliği, Gemi Makinaları

Akademik Unvanlar / Görevler

Doç.Dr., İstanbul Teknik Üniversitesi, Denizcilik Fakültesi, Gemi Makineleri İşletme Mühendisliği Bölümü, 2013 - Devam Ediyor

Yrd.Doç.Dr., İstanbul Teknik Üniversitesi, Denizcilik Fakültesi, Gemi Makineleri İşletme Mühendisliği Bölümü, 2010 - 2013
Araştırma Görevlisi, İstanbul Teknik Üniversitesi, Denizcilik Fakültesi, Deniz Ulaştırma İşletme Mühendisliği Bölümü, 2004 - 2010

Mesleki Deneyim

Bölüm Başkan Yardımcısı, İstanbul Teknik Üniversitesi, Denizcilik Fakültesi, Gemi Makineleri İşletme Mühendisliği Bölümü, 2011 - Devam Ediyor

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- **Application of human reliability analysis to repair & maintenance operations on-board ships: The case of HFO purifier overhauling**
Kandemir Ç., Çelik M., Akyüz E., Aydın O.
APPLIED OCEAN RESEARCH, cilt.88, ss.317-325, 2019 (SCI İndekslerine Giren Dergi)
- **Statistical modelling of ship operational performance monitoring problem**
Söner Ö., Akyüz E., Çelik M.
JOURNAL OF MARINE SCIENCE AND TECHNOLOGY, cilt.24, ss.543-552, 2019 (SCI İndekslerine Giren Dergi)
- **A maritime safety on-board decision support system to enhance emergency evacuation on ferryboats**
Sarvari P. A. , Çevikcan E., Çelik M., Üstündağ A., Ervural B.
MARITIME POLICY & MANAGEMENT, cilt.46, ss.410-435, 2019 (SSCI İndekslerine Giren Dergi)

- **A simulation model proposal to improve the productivity of container terminal operations through investment alternatives**
 Sislioglu M., Çelik M., Ozkaynak S.
 MARITIME POLICY & MANAGEMENT, cilt.46, ss.156-177, 2019 (SSCI İndekslerine Giren Dergi)
- **Prediction of human error probabilities in a critical marine engineering operation on-board chemical tanker ship: The case of ship bunkering**
 Akyüz E., Çelik M., Akgun I., Çiçek K.
 SAFETY SCIENCE, cilt.110, ss.102-109, 2018 (SCI İndekslerine Giren Dergi)
- **Use of tree based methods in ship performance monitoring under operating conditions**
 Söner Ö., Akyüz E., Çelik M.
 OCEAN ENGINEERING, cilt.166, ss.302-310, 2018 (SCI İndekslerine Giren Dergi)
- **AN ICOR APPROACH TOWARDS SHIP MAINTENANCE SOFTWARE DEVELOPMENT**
 Bayer D., AYDIN Ö., Çelik M.
 INTERNATIONAL JOURNAL OF MARITIME ENGINEERING, cilt.160, ss.11-19, 2018 (SCI İndekslerine Giren Dergi)
- **Studies on emergency evacuation management for maritime transportation**
 SARVARIP. A. , Çevikcan E., Üstündağ A., Çelik M.
 MARITIME POLICY & MANAGEMENT, cilt.45, ss.622-648, 2018 (SSCI İndekslerine Giren Dergi)
- **A practical application of human reliability assessment for operating procedures of the emergency fire pump at ship**
 Akyuz E., Celik E., Çelik M.
 SHIPS AND OFFSHORE STRUCTURES, cilt.13, ss.208-216, 2018 (SCI İndekslerine Giren Dergi)
- **USING OF A'WOT TO DESIGN AN ENHANCED PLANNED MAINTENANCE SYSTEM (E-PMS) ON-BOARD SHIP**
 Akyuz E., Çelik M.
 BRODOGRADNJA, cilt.68, ss.61-75, 2017 (SCI İndekslerine Giren Dergi)
- **A hybrid human error probability determination approach: The case of cargo loading operation in oil/chemical tanker ship**
 Akyuz E., Çelik M.
 JOURNAL OF LOSS PREVENTION IN THE PROCESS INDUSTRIES, cilt.43, ss.424-431, 2016 (SCI İndekslerine Giren Dergi)
- **A phase of comprehensive research to determine marine-specific EPC values in human error assessment and reduction technique**
 Akyuz E., Çelik M., ÇEBİ S.
 SAFETY SCIENCE, cilt.87, ss.63-75, 2016 (SCI İndekslerine Giren Dergi)
- **A fuzzy failure mode and effects approach to analyse concentrated inspection campaigns on board ships**
 Akyuz E., Akgun I., Çelik M.
 MARITIME POLICY & MANAGEMENT, cilt.43, ss.887-908, 2016 (SSCI İndekslerine Giren Dergi)
- **Use of HFACS-FCM in fire prevention modelling on board ships**
 Soner O., ASAN U., Çelik M.
 SAFETY SCIENCE, cilt.77, ss.25-41, 2015 (SCI İndekslerine Giren Dergi)
- **A methodological extension to human reliability analysis for cargo tank cleaning operation on board chemical tanker ships**
 Akyuz E., Celik M.
 SAFETY SCIENCE, cilt.75, ss.146-155, 2015 (SCI İndekslerine Giren Dergi)
- **Application of CREAM human reliability model to cargo loading process of LPG tankers**
 Akyuz E., Çelik M.
 JOURNAL OF LOSS PREVENTION IN THE PROCESS INDUSTRIES, cilt.34, ss.39-48, 2015 (SCI İndekslerine Giren Dergi)
- **Assessment of the maritime labour convention compliance using balanced scorecard and analytic hierarchy process approach**
 Akyuz E., KARAHALIOS H., Çelik M.

MARITIME POLICY & MANAGEMENT, cilt.42, ss.145-162, 2015 (SSCI İndekslerine Giren Dergi)

- **An extension to Fuzzy Fault Tree Analysis (FFTA) application in petrochemical process industry**
Lavasanı S. M. , ZENDEGANI A., Çelik M.
PROCESS SAFETY AND ENVIRONMENTAL PROTECTION, cilt.93, ss.75-88, 2015 (SCI İndekslerine Giren Dergi)
- **Utilisation of cognitive map in modelling human error in marine accident analysis and prevention**
Akyuz E., Çelik M.
SAFETY SCIENCE, cilt.70, ss.19-28, 2014 (SCI İndekslerine Giren Dergi)
- **A hybrid decision-making approach to measure effectiveness of safety management system implementations on-board ships**
Akyuz E., Çelik M.
SAFETY SCIENCE, cilt.68, ss.169-179, 2014 (SCI İndekslerine Giren Dergi)
- **Composite Films Based on Styrene-co-butyl-acrylate with Colemanite and Calcium Bentonite Mineral Fillers**
Güven O., Karakaş F., Kaya M. A. , Yıldırım H., Çelik M.
MECHANICS OF COMPOSITE MATERIALS, cilt.50, ss.335-342, 2014 (SCI İndekslerine Giren Dergi)
- **A decision-making solution to ship flagging out via administrative maritime strategies**
Çelik M., Topcu Y. İ.
MARITIME POLICY & MANAGEMENT, cilt.41, ss.112-127, 2014 (SSCI İndekslerine Giren Dergi)
- **Application of failure modes and effects analysis to main engine crankcase explosion failure on-board ship**
Çiçek K., Çelik M.
SAFETY SCIENCE, cilt.51, ss.6-10, 2013 (SCI İndekslerine Giren Dergi)
- **An Axiomatic Decision Aid for Marine Equipment Selection in Ship Machinery Design and Installation Projects**
ÇEBİ S., Çelik M., KAHRAMAN C.
JOURNAL OF MULTIPLE-VALUED LOGIC AND SOFT COMPUTING, cilt.18, ss.223-245, 2012 (SCI Expanded İndekslerine Giren Dergi)
- **Maritime policy development against ship flagging out dilemma using a fuzzy quantified SWOT analysis**
Çelik M., KANDAKOĞLU A.
MARITIME POLICY & MANAGEMENT, cilt.39, ss.401-421, 2012 (SSCI İndekslerine Giren Dergi)
- **An integrated decision aid extension to material selection problem**
Çiçek K., Çelik M., Topcu Y. İ.
MATERIALS & DESIGN, cilt.31, ss.4398-4402, 2010 (SCI İndekslerine Giren Dergi)
- **Multiple attribute decision-making solution to material selection problem based on modified fuzzy axiomatic design-model selection interface algorithm**
Çiçek K., ÇELİK M.
MATERIALS & DESIGN, cilt.31, ss.2129-2133, 2010 (SCI İndekslerine Giren Dergi)
- **Structuring ship design project approval mechanism towards installation of operator-system interfaces via fuzzy axiomatic design principles**
Cebi S., Çelik M., KAHRAMAN C.
INFORMATION SCIENCES, cilt.180, ss.886-895, 2010 (SCI İndekslerine Giren Dergi)
- **Enhancement of occupational health and safety requirements in chemical tanker operations: The case of cargo explosion**
Celik M.
SAFETY SCIENCE, cilt.48, ss.195-203, 2010 (SCI İndekslerine Giren Dergi)
- **A Key Decision-Making Process on Logistic Support to Merchant Ships Based on Operational Requirements: Marine Supplier Selection**
Celik M.
NAVAL ENGINEERS JOURNAL, cilt.122, ss.125-135, 2010 (SCI İndekslerine Giren Dergi)
- **Selection of porous materials in marine system design: The case of heat exchanger aboard ships**
Çiçek K., ÇELİK M.
MATERIALS & DESIGN, cilt.30, ss.4260-4266, 2009 (SCI İndekslerine Giren Dergi)

- **Use of an ANP to prioritize managerial responsibilities of maritime stakeholders in environmental incidents: An oil spill case**
 Çelik M., Topcu Y. İ.
 TRANSPORTATION RESEARCH PART D-TRANSPORT AND ENVIRONMENT, cilt.14, ss.502-506, 2009 (SCI İndekslerine Giren Dergi)
- **Establishing an Integrated Process Management System (IPMS) in ship management companies**
 Celik M.
 EXPERT SYSTEMS WITH APPLICATIONS, cilt.36, ss.8152-8171, 2009 (SCI İndekslerine Giren Dergi)
- **Designing of integrated quality and safety management system (IQSMS) for shipping operations**
 Celik M.
 SAFETY SCIENCE, cilt.47, ss.569-577, 2009 (SCI İndekslerine Giren Dergi)
- **Fuzzy axiomatic design extension for managing model selection paradigm in decision science**
 Çelik M., ER I. D.
 EXPERT SYSTEMS WITH APPLICATIONS, cilt.36, ss.6477-6484, 2009 (SCI İndekslerine Giren Dergi)
- **Application of axiomatic design and TOPSIS methodologies under fuzzy environment for proposing competitive strategies on Turkish container ports in maritime transportation network**
 Çelik M., CEBİS., KAHRAMAN C., ER I. D.
 EXPERT SYSTEMS WITH APPLICATIONS, cilt.36, ss.4541-4557, 2009 (SCI İndekslerine Giren Dergi)
- **An integrated fuzzy QFD model proposal on routing of shipping investment decisions in crude oil tanker market**
 Çelik M., CEBİS., KAHRAMAN C., ER I. D.
 EXPERT SYSTEMS WITH APPLICATIONS, cilt.36, ss.6227-6235, 2009 (SCI İndekslerine Giren Dergi)
- **Structuring fuzzy integrated multi-stages evaluation model on academic personnel recruitment in MET institutions**
 Çelik M., KANDAKOĞLU A., ER I. D.
 EXPERT SYSTEMS WITH APPLICATIONS, cilt.36, ss.6918-6927, 2009 (SCI İndekslerine Giren Dergi)
- **An expert system towards solving ship auxiliary machinery troubleshooting: SHIPAMT(SOLVER)**
 Cebi S., Çelik M., KAHRAMAN C., ER I. D.
 EXPERT SYSTEMS WITH APPLICATIONS, cilt.36, ss.7219-7227, 2009 (SCI İndekslerine Giren Dergi)
- **A hybrid design methodology for structuring an Integrated Environmental Management System (IEMS) for shipping business**
 Celik M.
 JOURNAL OF ENVIRONMENTAL MANAGEMENT, cilt.90, ss.1469-1475, 2009 (SCI İndekslerine Giren Dergi)
- **Computer-based systematic execution model on human resources management in maritime transportation industry: The case of master selection for embarking on board merchant ships**
 Çelik M., ER I. D., Topcu Y. İ.
 EXPERT SYSTEMS WITH APPLICATIONS, cilt.36, ss.1048-1060, 2009 (SCI İndekslerine Giren Dergi)
- **A multi-methodological approach for shipping registry selection in maritime transportation industry**
 Kandakoglu A., Çelik M., AKGÜN İ.
 MATHEMATICAL AND COMPUTER MODELLING, cilt.49, ss.586-597, 2009 (SCI İndekslerine Giren Dergi)
- **Fuzzy axiomatic design-based performance evaluation model for docking facilities in shipbuilding industry: The case of Turkish shipyards**
 Çelik M., KAHRAMAN C., CEBİS., ER I. D.
 EXPERT SYSTEMS WITH APPLICATIONS, cilt.36, ss.599-615, 2009 (SCI İndekslerine Giren Dergi)
- **Application of fuzzy extended AHP methodology on shipping registry selection: The case of Turkish maritime industry**
 Çelik M., ER I. D., OZOK A. F.
 EXPERT SYSTEMS WITH APPLICATIONS, cilt.36, ss.190-198, 2009 (SCI İndekslerine Giren Dergi)
- **Analytical modelling of shipping business processes based on MCDM methods**
 Çelik M., Topcu Y. İ.
 MARITIME POLICY & MANAGEMENT, cilt.36, ss.469-479, 2009 (SSCI İndekslerine Giren Dergi)
- **Analytical HFACS for investigating human errors in shipping accidents**
 Çelik M., CEBİS.

ACCIDENT ANALYSIS AND PREVENTION, cilt.41, ss.66-75, 2009 (SSCI İndekslerine Giren Dergi)

- **Managing the Operational Constraints in Ship Machinery Design and Installation: Synthesis of Design-Based Failures for Improving the Structural Quality of Shipboard Systems**

Çelik M.

NAVAL ENGINEERS JOURNAL, cilt.120, ss.67-76, 2008 (SCI İndekslerine Giren Dergi)

Diğer Dergilerde Yayınlanan Makaleler

- **A Comparative Research of Machine Learning Impact to Future of Maritime Transportation**
AKYÜZ E., ÇİÇEK K., ÇELİK M.
Procedia Computer Science, cilt.158, ss.275-280, 2019 (Diğer Kurumların Hakemli Dergileri)
- **Future Skills Requirements Analysis in Maritime Industry**
ÇİÇEK K., AKYÜZ E., ÇELİK M.
Procedia Computer Science, cilt.158, ss.270-274, 2019 (Diğer Kurumların Hakemli Dergileri)
- **Proposing a practical training assessment technique to adopt simulators into marine engineering education**
Kandemir Ç., Söner Ö., Çelik M.
WMU JOURNAL OF MARITIME AFFAIRS, cilt.17, ss.1-15, 2018 (ESCI İndekslerine Giren Dergi)
- **Gemi Operasyonlarında Acil Durum Yönetimi Etkinliğini Değerlendirme ve İyileştirme Üzerine Uygulamalı Bir Araştırma Yaklaşımı Önerisi**
ÖZTÜRK TAÇ B., AKYÜZ E., ÇELİK M.
Journal of Transportation and Logistics, cilt.3, ss.93-108, 2018 (Diğer Kurumların Hakemli Dergileri)
- **Hızlı Feribotlarda Makine Dairesi Kaynaklı Yangın Koşullarında Tahliye Operasyonun Yönetimine Yönelik Benzetim Destekli Metodoloji Önerisi**
SARVARIP. A. , ÇEVİKCAN E., ÇELİK M., ÜSTÜNDAĞ A.
Journal of ETA Maritime Science, cilt.5, ss.362-385, 2017 (Diğer Kurumların Hakemli Dergileri)

Atrflar

Toplam Atf Sayısı (WOS):1230

h-İndeksi (WOS):21