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Biography

Dr. Bekir Sahin is a scholar in the management fields of **supply chain, logistics, transportation** and **shipping business.** His research motivation comes from emerging debates in the supply chain management while developing original methods and proposing novel approaches in behavioral science, optimization, technology management, safety science and risk assessment. He received his bachelor degree from the Department of Maritime Transportation Management Engineering at Istanbul University (2007). His Master of Science degree is from the Department of Engineering Technology at University of Houston in 2011. Bekir Sahin completed his Ph.D. at the Graduate School of Science and Technology, Istanbul Technical University (2015). The dissertation title is "*Risk Assessment and Marine Accident Analysis for Ice-Covered Waters*". He has many published papers in refereed journals and proceedings. He also reviews several manuscripts for distinguished journals. He gives the courses of *Port and Terminal Operations*, *Chartering & Brokering* and *Logistics Management* at the Department of Maritime Transportation Management Engineering, Karadeniz Technical University. Dr. Sahin is married, and he is father of a daughter.

Education Information

Doctorate, Istanbul Technical University, Denizcilik Fakültesi, Deniz Ulaştırma İşletme Mühendisliği, Turkey 2012 - 2015

Dissertations

Doctorate, Risk assessment and marine accident analysis in ice-covered waters Buzlu sularda risk değerlendirmesi ve deniz kaza analizi, Istanbul Technical University, Fen Bilimleri Enstitüsü, Deniz Ulaştırma İşletme Mühendisliği, 2015

Research Areas

Industrial Engineering , Supply Chain and Logistics Management, Engineering and Technology

Academic Titles / Tasks

Research Assistant PhD, Karadeniz Technical University, Sürmene Deniz Bilimleri Fakültesi, Denizcilik İşletmeleri Yönetimi, 2015 - Continues

Research Assistant, Istanbul Technical University, Denizcilik Fakültesi, Deniz Ulaştırma İşletme Mühendisliği, 2012 - 2015

Published journal articles indexed by SCI, SSCI, and AHCI

I. **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)

II. **An analysis for the effects of different approaches used to determine expertise coefficients on improved fuzzy analytical hierarchy process method**
Şahin B., Yazır D.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.34, no.1, pp.89-102, 2019 (SCI-Expanded)

III. **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)

IV. **Consistency control and expert consistency prioritization for FFTA by using extent analysis method of trapezoidal FAHP**
ŞAHİN B.
APPLIED SOFT COMPUTING, vol.56, pp.46-54, 2017 (SCI-Expanded)

V. **Shipping technology selection for dynamic capability based on improved Gaussian fuzzy AHP model**
ŞAHİN B., Yip T. L.
OCEAN ENGINEERING, vol.136, pp.233-242, 2017 (SCI-Expanded)

VI. **A novel Real-Time Continuous Fuzzy Fault Tree Analysis (RC-FFTA) model for dynamic environment**
Şenol Y. E., ŞAHİN B.
OCEAN ENGINEERING, vol.127, pp.70-81, 2016 (SCI-Expanded)

VII. **RISK ASSESSMENT OF ARCTIC NAVIGATION BY USING IMPROVED FUZZY-ABP APPROACH**
ŞAHİN B., Kum S.
INTERNATIONAL JOURNAL OF MARITIME ENGINEERING, vol.157, pp.241-250, 2015 (SCI-Expanded)

VIII. **A Novel Process Model for Marine Accident Analysis by using Generic Fuzzy-AHP Algorithm**
ŞAHİN B., SENOL Y. E.
JOURNAL OF NAVIGATION, vol.68, no.1, pp.162-183, 2015 (SCI-Expanded)

Articles Published in Other Journals

I. **Selection of new design gas carriers by using fuzzy EVAMIX method**
Yazır D., Şahin B., Yip T. L.
The Asian Journal of Shipping and Logistics, vol.37, no.1, pp.91-104, 2021 (ESCI)

II. **Effects of COVID-19 on maritime industry: a review**
Yazır D., Şahin B., Yip T. L., Tseng P.
International Maritime Health, vol.71, no.4, pp.253-264, 2020 (ESCI)

III. **A Comparative Analysis for Selecting Possible Logistics Base Locations in Turkey**
Yazır D., Şahin B.
DOKUZ EYLÜL ÜNİVERSİTESİ MÜHENDİSLİK FAKÜLTESİ FEN ve MÜHENDİSLİK DERGİSİ / DOKUZ EYLUL UNIVERSITY FACULTY OF ENGINEERING JOURNAL OF SCIENCE AND ENGINEERING, vol.22, no.66, pp.929-940, 2020 (Peer-Reviewed Journal)

IV. **Strategic management approach for port state control The Black Sea Memorandum of Understanding detention analysis**
AKPINAR H., ŞAHİN B.
MARITIME BUSINESS REVIEW, vol.5, no.3, pp.279-290, 2020 (ESCI)

V. **Strategic management approach for port state control: The Black Sea Memorandum of Understanding detention analysis**
AKPINAR H., ŞAHİN B.
MARITIME BUSINESS REVIEW, vol.5, pp.1-13, 2019 (Scopus)

VI. **20- Araklı sahilindeki kıyı yapıları tasarımında sediment taşınım süreçlerinin değerlendirilmesi / Evaluation of Sediment Transportation Processes in Designing Coastal Structures of Araklı**
YAZIR D., ŞAHİN B., ERÜZ C.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.24, no.6, pp.1005-1013, 2018 (Peer-Reviewed Journal)

VII. **Bulanık Analitik Hiyerarşi Süreci ile genişletilmiş Dijkstra Algoritmasını kullanarak Rota Önceliklendirme**
ŞAHİN B.
JOURNAL OF ETA MARITIME SCIENCE, vol.7, no.1, pp.3-15, 2018 (Peer-Reviewed Journal)

VIII. **Risk assessment of the Istanbul Strait by using Ports and Waterways Safety Assessment (PAWSA) method**
ŞAHİN B., Chan Y.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.24, no.4, pp.730-738, 2018 (ESCI)

IX. **Evaluation of sediment transportation processes in designing coastal structures of Arakli**
Yazır D., Şahin B., Erüz C.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.24, no.6, pp.1005-1013, 2018 (ESCI)

X. **Linear Regression Approach for the Financial Risks of Shipping Industry**
Yazir D., Sahin B.
TRANSNAV-INTERNATIONAL JOURNAL ON MARINE NAVIGATION AND SAFETY OF SEA TRANSPORTATION, vol.11, no.4, pp.635-640, 2017 (ESCI)

XI. **A Survey On Ice Navigation Research**
KUM S., ŞAHİN B.
Transactions of Navigation, vol.1, no.1, pp.23-28, 2016 (Peer-Reviewed Journal)

XII. **The Obligations of Single-Propeller Vessels at the Head-On Situation**
Sahin B.
TRANSNAV-INTERNATIONAL JOURNAL ON MARINE NAVIGATION AND SAFETY OF SEA TRANSPORTATION, vol.10, no.1, pp.101-104, 2016 (ESCI)

XIII. **Marine Accident Analysis by using pairwise comparison**
ŞENOL Y. E., ŞAHİN B., KUM S.
Journal of ETA Maritime Science, vol.1, no.1, pp.67-72, 2014 (ESCI)

Books & Book Chapters

I. **Chapter 5-Route Selection Problem in the Arctic Region for the Global Logistics Industry**
ŞAHİN B.
in: Industrial EngineeringManagement, Tools, and Applications, Three Volume Set, Bopaya Bidanda, Ihsan Sabuncuoglu, Bahar Y. Kara, Editor, Taylor and Francis Group, London, pp.105-131, 2014

Refereed Congress / Symposium Publications in Proceedings

I. **ON SIMILARITY, DOMINANCE AND PRIORITY FOR JUDGMENT MATRICES IN THE PRESENCE OF FUZZINESS**
ŞAHİN B., YAZIR D.
I. ULUSLARARASI TÜRK DÜNYASI MÜHENDİSLİK VE FEN BİLİMLERİ KONGRESİ, Antalya, Turkey, 7 - 10 December 2017, vol.1, no.1, pp.34

II. **WHICH SCALE TO USE?: AN ANALYSIS FOR SKEWNESS OF FUZZY NUMBERS ON CONSISTENCY OF PAIRWISE COMPARISON DECISION MATRIX**
YAZIR D., ŞAHİN B.
I. ULUSLARARASI TÜRK DÜNYASI MÜHENDİSLİK VE FEN BİLİMLERİ KONGRESİ, Antalya, Turkey, 7 - 10 December 2017, vol.1, no.1, pp.32

III. **SEDIMENT TRANSPORTED TO COASTAL AREAS AND CHEMICAL POLLUTION**
YAZIR D., ŞAHİN B.
I. ULUSLARARASI TÜRK DÜNYASI MÜHENDİSLİK VE FEN BİLİMLERİ KONGRESİ, Antalya, Turkey, 7 - 10 December 2017, vol.1, no.1, pp.31

IV. **A COMPARATIVE ANALYSIS OF INNOVATIONS IN THE MARITIME SECTOR**
ŞAHİN B., YAZIR D.
I. ULUSLARARASI TÜRK DÜNYASI MÜHENDİSLİK VE FEN BİLİMLERİ KONGRESİ, Antalya, Turkey, 7 - 10 December 2017, vol.1, no.1, pp.33

V. **WHICH SCALE TO USE?: AN ANALYSIS FOR SKEWNESS OF FUZZY NUMBERS ON CONSISTENCY OF PAIRWISE COMPARISON DECISION MATRIX ANALİZİ**
YAZIR D., ŞAHİN B.
I. ULUSLARARASI TÜRK DÜNYASI MÜHENDİSLİK VE FEN BİLİMLERİ KONGRESİ, Antalya, Turkey, 7 - 10 December 2017, vol.1, no.1, pp.32

VI. **RISK ASSESSMENT FOR TECHNOLOGY MANAGEMENT BY USING IMPROVED FUZZY-AHP METHOD**
ŞAHİN B., YAZIR D.
International Conference on Engineering and Natural Sciences (ICENS) 2016, Saraybosna, Bosnia And Herzegovina, 24 - 28 May 2016, vol.1, no.8, pp.307

VII. **Kıyı Taşımacılığı yapan bir Filo için Koster Seçimi Karar Analizi**
ŞENOL Y. E., ŞAHİN B., KUM S.
V. Ulusal Denizcilik Kongresi, İstanbul, Turkey, 11 November 2013

VIII. **Buzlu Sularda Rota Belirlemede Karar Analizi**
ŞAHİN B., ŞENOL Y. E., KUM S.
V. Ulusal Denizcilik Kongresi, İstanbul, Turkey, 11 November 2013

IX. **Yeni Nesil Gemi Tasarımında Anlık Gemi Durdurmaya Yönelik Teknoloji Geliştirme**
ŞAHİN B., ŞENOL Y. E.
V. Ulusal Denizcilik Kongresi, İstanbul, Turkey, 11 November 2013

Metrics

Publication: 34
Citation (WoS): 150
Citation (Scopus): 158
H-Index (WoS): 8
H-Index (Scopus): 8

Non Academic Experience

Norwegian University of Science and Technology (NTNU)