

Prof. Serdar Kum

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International Researcher IDs

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Education Information

Doctorate, Kobe University, Maritime Sciences and Technology, Maritime Sciences and Technology, Japan 2005 - 2008

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Deniz Ulaştırma Mühendisliği, Turkey 2002 - 2005

Undergraduate, Istanbul Technical University, Denizcilik, Deniz Ulaştırma İşletme Mühendisliği, Turkey 1997 - 2001

Foreign Languages

English

Certificates, Courses and Trainings

Education Management and Planning, Deniz Taşımacılığında Kaza Araştırması, Analiz ve Kök Nedenler, DNV-GL, 2014

Education Management and Planning, IMO Model Course 6.10, İTÜ Denizcilik Fakültesi, 2013

Education Management and Planning, LPG Tankers-Operational & Technical Overview, ABS Akademi, 2012

Education Management and Planning, AB Proje Önerisi Hazırlama Eğitimi, İstanbul Teknik Üniversitesi, 2009

Education Management and Planning, Training Certificate on Liquid Cargo Handling Simulator European, İTÜ Denizcilik Fakültesi, 2005

Education Management and Planning, Risk Analysis on Maritime Safety Management System, Kobe Üniversitesi, 2005

Education Management and Planning, IMO Model Course 6.09, İTÜ Denizcilik Fakültesi, 2004

Education Management and Planning, Training of the Company Security Officer Course, Class NK, 2003

Logistics, Training of the Advanced LNG Training, JICA-NYK Lines, 2003

Education Management and Planning, Training of the Trainer of Bridge Simulators, IMO Experts, 2003

Quality Management, National Training Course related with the International Safety Management, the Secretariat for Maritime Affairs and IMO, 2002

Dissertations

Doctorate, Mental Workload of Vessel Traffic Services Operator, Kobe Üniversitesi, 2008

Postgraduate, Petrol tankerlerinde risk deęerlendirmesi, Istanbul Technical University, Fen Bilimleri Enstitüsü, Deniz Ulaştırma Mühendisliği, 2005

Research Areas

Social Sciences and Humanities, Management and Organization, Marine Management and Administration, Marine Sciences and Technology, Engineering and Technology

Academic Titles / Tasks

Professor, Istanbul Technical University, Denizcilik, Deniz Ulaştırma İşletme Mühendisliği, 2018 - Continues
Associate Professor, Istanbul Technical University, Denizcilik, Deniz Ulaştırma İşletme Mühendisliği, 2017 - 2018
Associate Professor, Istanbul Technical University, Denizcilik, Deniz Ulaştırma İşletme Mühendisliği, 2012 - 2018
Assistant Professor, Istanbul Technical University, Denizcilik, Deniz Ulaştırma İşletme Mühendisliği, 2009 - 2013
Research Assistant, Istanbul Technical University, Denizcilik, Deniz Ulaştırma İşletme Mühendisliği, 2001 - 2009

Academic and Administrative Experience

Fakülte Kurulu Üyesi, Istanbul Technical University, Denizcilik, Deniz Ulaştırma İşletme Mühendisliği, 2021 - 2022
Vice Rector, Istanbul Technical University, 2015 - 2020
İstanbul Teknik Üniversitesi, İtü-Kktc Eğitim Araştırma Yerleşkesi, 2013 - 2015
İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Deniz Ulaştırma Ve İşletme Mühendisliği Anabilim Dalı, 2012 - 2015
İstanbul Teknik Üniversitesi, İtü-Kktc, 2012 - 2013
İstanbul Teknik Üniversitesi, İtü-Kktc Eğitim Araştırma Yerleşkesi, 2012 - 2013
İstanbul Teknik Üniversitesi, Denizcilik Fakültesi, Gemi Makineleri İşletme Mühendisliği Bölümü, 2009 - 2013
Program Koordinatörü, Istanbul Technical University, Denizcilik, Deniz Ulaştırma İşletme Mühendisliği, 2009 - 2012
Komisyon Üyesi, Istanbul Technical University, Denizcilik, Deniz Ulaştırma İşletme Mühendisliği, 2009 - 2012

Courses

Org.Mang.&Behavior in Maritime, Undergraduate, 2020 - 2021
Maritime Human Resources Management, Undergraduate, 2020 - 2021
E-Navigations Systems, Undergraduate, 2020 - 2021
Maritime Practical Studies, Undergraduate, 2020 - 2021
Ship Management and Leadership, Undergraduate, 2019 - 2020
Maritime Human Resources Management, Undergraduate, 2019 - 2020
Cargo Handling Systems, Undergraduate, 2018 - 2019
Electronic Navigation, Undergraduate, 2018 - 2019
Maritime Conventions, Undergraduate, 2018 - 2019
Org.Mang.&Behavior in Maritime, Undergraduate, 2018 - 2019
E-Navigation Systems, Undergraduate, 2015 - 2016
Maritime Practical Studies, Undergraduate, 2015 - 2016, 2010 - 2011
Electronic Navigation, Undergraduate, 2015 - 2016
Research Methods on Human Element in Maritime , Postgraduate, 2013 - 2014
DENİZCİLİKTE RİSK YÖNETİMİ, Postgraduate, 2012 - 2013
HUMAN RESOURCES MANAGEMENT, Postgraduate, 2012 - 2013, 2009 - 2010
ELECTRONIC NAVIGATION I, Undergraduate, 2010 - 2011
Yük İşlem ve Gemi Stabilitesi I, Undergraduate, 2010 - 2011

Göksel Seyir I, Undergraduate, 2010 - 2011
Celestial Navigation, Undergraduate, 2009 - 2010
BRIDGE RESOURCE MANAGEMENT, Undergraduate, 2009 - 2010
Göksel Seyir II, Undergraduate, 2009 - 2010
Ship Management, Undergraduate, 2009 - 2010

Advising Theses

Kum S., YÜKSEK HIZLI TEKNELERDE ZİHİNSEL İŞ YÜKÜ, DURUMSAL FARKINDALIK VE EMNİYET KÜLTÜRÜ İLİŞKİLERİNİN KÖPRÜÜSTÜ SEYİR OPERASYONU AÇISINDAN İNCELENMESİ, Doctorate, C.KARTOĞLU(Student), Continues
Kum S., Denizcilik işletmelerinin gemi yönetiminde "yüksek performans sistemleri" ile analiz edilmesi, Doctorate, M.KELEŞ(Student), Continues
Kum S., Çatma Sorumluluklarının Çok Kriterli Karar Verme Yaklaşımı Kullanılarak Analiz Edilmesi, Doctorate, O.Gürel(Student), Continues
Kum S., Mersin Liman Bölgesinin Deniz Trafığının Acil Eylem Planının Hazırlanması, Doctorate, V.TOK(Student), Continues
Kum S., DENİZ TRAFİK OPERATÖRLERİ EĞİTİMİNDE STANDARDİZASYON, Doctorate, B.ERLEVENT(Student), 2024
Kum S., Türkiye "Tek pencere" denizcilik uygulamasının incelenmesi ve geliştirilmesi, Postgraduate, K.DİLBER(Student), 2019
Kum S., Bridge Safety Support System Development: Application to Tanker Ships, Doctorate, M.Hasan(Student), 2019
Kum S., TÜRKİYE'DE KOSTER GEMİ YÖNETİMİNİN GELİŞTİRİLMESİ ÜZERİNE BİR ÇALIŞMA, Postgraduate, M.Özkan(Student), 2018
Kum S., A Study on the Establishment of the VTS System at the TRNC, Postgraduate, M.Emin(Student), 2015
Kum S., A Qualitative Study on Investigation of Turkish Seafarers' Nutrition, Postgraduate, T.BOŞNAK(Student), 2015
Kum S., Fisheries in Turkish Republic of Northern Cyprus, Postgraduate, A.BEYOĞLU(Student), 2015
Kum S., Risk Assessment and Marine Accident Analysis in Ice Covered Waters, Doctorate, B.ŞAHİN(Student), 2015
Kum S., Employment of the Seafarers, Postgraduate, U.TEMEN(Student), 2015
Kum S., Türkiye'de kimyasal tanker işletmelerinin TMSA denetlerindeki uygulamaları ve sonuçları, Postgraduate, T.SAYIN(Student), 2014
Kum S., Marmara Bölgesi' ndeki deniz ve hava taşımacılığında kaynaklanan emisyon envanterinin oluşturulması ve hava kirliliğinin modellenmesi, Doctorate, A.KILIÇ(Student), 2013
Kum S., LRIT sisteminin deniz emniyeti ve güvenliğine olan etkilerinin analizi, Postgraduate, H.İbrahim(Student), 2013
Kum S., Gemi adamlarının işe alımı, eğitimi ve performans değerlendirmelerinin .net teknolojisi ile geliştirilmesi, Postgraduate, A.BİLİCİ(Student), 2012

Jury Memberships

Doctoral Examination, Doctoral Examination, Karadeniz Teknik Üniversitesi, September, 2020
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Ordu Üniversitesi, June, 2019
Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, June, 2019
Appointment to Academic Staff-Assistant Professorship, Yard.Doç.Dr. Kadrosuna Atanma, Girne Üniversitesi, January, 2019
Post Graduate, Yüksek Lisans Tez Savunması, Karadeniz Teknik Üniversitesi, June, 2017
Appointment to Academic Staff-Assistant Professorship, Yard.Doç. kadro ataması, Girne Amerikan Üniversitesi, August, 2015
Appointment to Academic Staff-Assistant Professorship, Yard.Doç. kadro ataması, Girne Amerikan Üniversitesi, August, 2015

Designed Lessons

Kum S., Göksel Seyir, Undergraduate, 2013 - 2014

Kum S., E-Navigation Systems, Undergraduate, 2013 - 2014

Kum S., Electronic Navigation, Undergraduate, 2013 - 2014

Designed Programs

Kum S., Undergraduate Minor, Deniz Ulaştırma Yönetimi, 2014 - 2018

Kum S., Undergraduate Double Major, Deniz Ulaştırma Mühendisliği, 2011 - 2018

Kum S., Postgraduate, Maritime Transportation Engineering, 2011 - 2013

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Assessment of Seafarers' Mental Workload: A Study on High Speed Craft**
Kartoğlu C., Şenol Y. E., Kum S.
TRANSACTIONS OF THE ROYAL INSTITUTION OF NAVAL ARCHITECTS PART A: INTERNATIONAL JOURNAL OF MARITIME ENGINEERING, vol.165, no.A3, pp.239-254, 2024 (SCI-Expanded)
- II. **Analysis of occupational accidents encountered by deck cadets in maritime transportation**
Uğurlu O., Kum S., Aydogdu Y. V.
Maritime Policy & Management, vol.44, no.3, pp.304-322, 2017 (SSCI)
- III. **Pilotage services in Turkey; key issues and ideal pilotage**
Uğurlu Ö., Kaptan M., Kum S., Yıldız S.
JOURNAL OF MARINE ENGINEERING AND TECHNOLOGY, vol.16, pp.51-60, 2017 (SCI-Expanded)
- IV. **RISK ASSESSMENT OF ARCTIC NAVIGATION BY USING IMPROVED FUZZY-ABP APPROACH**
Şahin B., Kum S.
INTERNATIONAL JOURNAL OF MARITIME ENGINEERING, vol.157, pp.241-250, 2015 (SCI-Expanded)
- V. **A root cause analysis for Arctic Marine accidents from 1993 to 2011**
Kum S., Şahin B.
SAFETY SCIENCE, vol.74, pp.206-220, 2015 (SCI-Expanded)
- VI. **Optimal ship navigation with safety distance and realistic turn constraints**
An I., Aksakalli V., AYDOĞDU V., Kum S.
EUROPEAN JOURNAL OF OPERATIONAL RESEARCH, vol.229, no.3, pp.707-717, 2013 (SCI-Expanded)

Articles Published in Other Journals

- I. **Situational awareness of navigators in high-speed craft bridge navigation operations**
Kartoglu C., Senol Y. E., Kum S.
Australian Journal of Maritime and Ocean Affairs, vol.15, no.4, pp.399-413, 2023 (Scopus)
- II. **Safety culture of navigators in terms of bridge operations on high-speed crafts**
Kartoglu C., Senol Y. E., Kum S.
Australian Journal of Maritime and Ocean Affairs, vol.15, no.3, pp.377-398, 2023 (Peer-Reviewed Journal)
- III. **Selection and recruitment process of Vessel Traffic Services Operators**
Erlevent B., Şenol Y. E., Kum S.
Australian Journal of Maritime and Ocean Affairs, 2023 (Scopus)
- IV. **Çok Kriterli Karar Verme Yaklaşımı ile Çatma Kusur Oranlarının Belirlenmesi**
GÜREL O., ŞENOL Y. E., KUM S.
Akıllı Ulaşım Sistemleri ve Uygulamaları Dergisi (Online), vol.6, 2022 (Peer-Reviewed Journal)

- V. **A case study for using operational ECDIS functions**
KUM S., Başar B. A., ŞENOL Y. E.
Marine Reports (MAREP), vol.1, no.1, pp.13-25, 2022 (Peer-Reviewed Journal)
- VI. **The Impact of Diversity Management and Leadership on Performance in Maritime Industry**
keceli y., zaim h., KUM S., Dinc M., Momin M.
EuroEconomica, vol.1, no.39, pp.58-72, 2020 (Peer-Reviewed Journal)
- VII. **Safety Indications of Navigation Audit for Tankers to Develop a Bridge Inspection Method**
Altun M. H. A., Kum S.
Journal of Computer and Communications, vol.7, pp.18-33, 2019 (Peer-Reviewed Journal)
- VIII. **Türk Koster İşletmeciliğinde “Üçüncü Taraf” ve “Tam Kurum İçi” Yönetimler arası Gemicilik Performans Endekslerine Dayalı Karşılaştırma**
Keleş M. Ö., Kum S.
Journal of ETA Maritime Science (JEMS), vol.7, pp.65-77, 2019 (Peer-Reviewed Journal)
- IX. **Effects of Local Administrations in Maritime Transportation and Coastal Areas TRNC Case**
Öncü A., Bektaş G., Kum S.
Journal of ETA Maritime Science (JEMS), vol.4, no.4, pp.317-332, 2016 (Peer-Reviewed Journal)
- X. **A Qualitative Study on Nutrition of Turkish Seafarers**
Kum S., Boşnak T.
Journal of ETA Maritime Science (JEMS), vol.4, no.2, pp.135-147, 2016 (Peer-Reviewed Journal)
- XI. **Turkish Republic of Northern Cyprus Vessel Traffic Services TRNC VTS**
Kum S., Debeş M. E.
Journal of ETA Maritime Science (JEMS), vol.4, no.2, pp.175-187, 2016 (Peer-Reviewed Journal)
- XII. **A Survey on Ice Navigation Research**
Kum S., Şahin B.
Transactions of Navigation, vol.1, no.1, pp.23-28, 2016 (Peer-Reviewed Journal)
- XIII. **A study on "mobbing" in maritime field: a case study in the Turkish maritime industry**
Kum S., Ertas Y.
INTERNATIONAL MARITIME HEALTH, vol.67, pp.248-254, 2016 (ESCI)
- XIV. **Marmara Bölgesi ndeki Hava Kirliliğinin Modellenmesi Kirlilik Azaltımı ve Maruziyet Analizi**
Kılıç A., Kum S., Ünal A., Kındap T.
Balıkesir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.16, no.1, pp.27-46, 2014 (Peer-Reviewed Journal)
- XV. **Route Selection Approach for Vessels in Ice Covered Waters**
Kum S., Şahin B.
Marine Science and Technology Bulletin, vol.3, no.2, pp.1-4, 2014 (Peer-Reviewed Journal)
- XVI. **Fishing Activities in Turkish Republic of Northern Cyprus**
Debeş M. E., Kum S., Beyoğlu A.
Marine Science and Technology Bulletin, vol.3, no.2, pp.15-19, 2014 (Peer-Reviewed Journal)
- XVII. **Marine Accident Analysis by Using Pairwise Comparison**
Şenol Y. E., ŞAHİN B., Kum S.
Journal of ETA Maritime Science (JEMS), vol.1, no.2, pp.59-64, 2013 (Peer-Reviewed Journal)
- XVIII. **Deniz Emniyeti ve Güvenliğinde LRIT Sistemi**
Keskin H. İ., Kum S.
Dokuz Eylül Üniversitesi Denizcilik Dergisi, vol.4, no.2, pp.47-57, 2012 (Peer-Reviewed Journal)
- XIX. **Questionnaire Survey on the Risk Perception in the Istanbul Strait**
Aydogdu V., Yurtören C., Kum S., Park J.
International Journal of Navigation and Port Research, vol.34, no.7, pp.517-523, 2010 (Peer-Reviewed Journal)
- XX. **Assessment of VTS Operators Mental Workload by Using NASA Task Load Index**
Kum S., Furusho M., Fuchi M.
Journal of Japan Institute of Navigation, vol.118, pp.307-314, 2008 (Peer-Reviewed Journal)
- XXI. **Mental Workload of the VTS Operators by Utilising Heart Rate**
Kum S., Furusho M., Duru O., Satır T.

TransNav, the International Journal on Marine Navigation and Safety of Sea Transportation, vol.1, no.2, pp.145-151, 2007 (Peer-Reviewed Journal)

XXII. Analysing Navigators Eye Movements by Utilizing Eye Mark Recorder on the Ship Handling Simulator

Kum S., Arslan Ö., Furusho M.

Journal of Japan Institute of Navigation, vol.115, pp.147-152, 2006 (Peer-Reviewed Journal)

XXIII. Assessment Method for the Results of Radar and ARPA Simulator Training

Satır T., Kum S., TOZAR B., POYRAZ Ö., Kuboto T., Kouguchi N.

Journal of Navigation: Revista del Instituto de Navegacion de Espana, vol.20, pp.20-30, 2004 (Peer-Reviewed Journal)

Books & Book Chapters

I. The Place of High Speed Crafts (HSCs) in Maritime Transportation

Kum S., Kartoğlu C.

in: Handbook of Research on the Applications of International Transportation and Logistics for World Trade, Ceyhun, Gökçe Çiçek, Editor, Pennsylvania State University Press, Philadelphia (PA), USA, Pennsylvania, pp.258-287, 2020

II. I. Ulusal Gemi Trafik Hizmetleri Kongresi Kongre Kitabı

Kum S., Aydogdu V., Şenol Y. E., Terzi H.

Print Center, İstanbul, 2014

III. Vessel Traffic Services (VTS) and VTS Personnel: Mental Workload of VTS Operator

Kum S., Furusho M.

Lap Lambert Academic Publishing, Saarbrücken, 2014

IV. Mental Workload of the VTS Operators by Utilising Heart Rate

Kum S., Furusho M., Duru O., Satır T.

in: Monograph of TransNav' 2007, Advances in Marine Navigation and Safety of Sea Transportation, Adam Weintrit, Editor, Crc Press Book, Gdynia, pp.145-150, 2007

Refereed Congress / Symposium Publications in Proceedings

I. Computer-based Aptitude Testing; An Alternative for the Assessment of VTSO

ERLEVENT B., KUM S.

4th Global Conference on Innovation in Marine Technology and the Future of Maritime Transportation-GMC'21, İstanbul, Turkey, 18 - 19 November 2021, pp.64

II. Overview of Maritime Safety and Research on AIS Implementation in Turkey: Introduction of Eurostars Project of i-Sea

KUM S., ERTAŞ A. Y., ŞENOL Y. E.

2nd Maritime Safety International Conference (MASTIC 2020), Indonesia, 18 July 2020

III. Assessment of Electronic Navigation Equipment's Effect to Mental Workload by Utilising Revised NASA Task Load Index

Kartoğlu C., Kum S.

12th International Conference on Marine Navigation and Safety of Sea Transportation, Gdynia, Poland, 21 - 23 July 2017, pp.23-28

IV. Türkiye nin Kılavuz Kaptan Profili ve Kılavuzluğunun Temel Sorunları

UĞURLU Ö., KAPTAN M., KUM S.

Kılavuzluk/Römorkörcülük Hizmetleri ve Teknolojileri Kongresi I, Turkey, 23 - 25 October 2015

V. Türkiye de Römorkörcülük Hizmetlerine Genel Bakış

kazım B., KUM S.

Kılavuzluk/Römorkörcülük Hizmetleri ve Teknolojileri Kongresi I, Turkey, 23 - 25 October 2015

- VI. **Kılavuz Kaptan ve Römorkör Kaptanı Eğitimlerinde Römorkör Simülatörü Kullanımının Avantajları Üzerine Bir Çalışma**
AYDOĞDU Y. V., YURTÖREN C., KUM S., ŞENOL Y. E., ŞAHİN O. A.
Kılavuzluk/Römorkörcülük Hizmetleri ve Teknolojileri Kongresi I, Turkey, 23 - 25 October 2015
- VII. **Overview of the Tugboat Services in Turkey**
BAKAN K., Kum S.
I. Ulusal Kılavuzluk ve Römorkaj Kongresi, İzmir, Turkey, 23 October 2015, pp.51-60
- VIII. **A Study on Benefits of Utilizing Tug Boat Simulator for Pilot and Tug Master Training**
AYDOĞDU V., Yurtören C., Kum S., Şenol Y. E., Şahin O. A.
I. Ulusal Kılavuzluk ve Römorkaj Kongresi, İzmir, Turkey, 23 October 2015, pp.141-142
- IX. **Profile of Marine Pilots in Turkey and Basic Problems in Pilotage**
UGURLU O., kaptan m., Kum S.
I. Ulusal Kılavuzluk ve Römorkaj Kongresi, İzmir, Turkey, 23 October 2015, pp.1-9
- X. **MARITIME TRAFFIC ANALYSIS OF THE IZMIT BAY BY IWRAP**
Yurtören C., Şahin O. A., AYDOĞDU Y. V., Kum S., Şenol Y. E.
Proceedings of 16th International Association of Maritime Universities Annual General Assembly, 7 - 10 October 2015, pp.381-391
- XI. **The Results of PAWSA Application in Izmit Bay**
Kum S., AYDOĞDU V., Şenol Y. E., ŞAHİN B., EYİĞÜN Ö.
I. Ulusal Gemi Trafik Hizmetleri Kongresi, İstanbul, Turkey, 8 - 09 December 2014, pp.25-30
- XII. **Türk Deniz Trafik Operatörleri Eğitim Standartları Üzerine Bir Çalışma**
Erlevent B., KUM S.
I. Ulusal Gemi Trafik Hizmetleri Kongresi, İstanbul, Turkey, 8 - 09 December 2014, pp.41-46
- XIII. **KKTC de GTH Sistemi Kurulmasına İlişkin Bir Çalışma**
DEBEŞ M. E., KUM S., BOŞNAK T.
I. Ulusal Gemi Trafik Hizmetleri Kongresi, İstanbul, Turkey, 8 - 09 December 2014, pp.15-23
- XIV. **Establishment of the VTS at the TRNC**
debeş m. e., Kum S., boşnak t.
I. Ulusal Gemi Trafik Hizmetleri Kongresi, İstanbul, Turkey, 8 - 09 December 2014, pp.15-23
- XV. **Deniz Trafik Hizmetlerinin Planlamasında Yeni Bir Vizyon Geliştirilmiş Seyir Konsepti**
YALÇIN E., AKSOY S., AYDOĞDU Y. V., KUM S.
I. Ulusal Gemi Trafik Hizmetleri Kongresi, Turkey, 8 - 09 December 2014, pp.171
- XVI. **A Study on Education Standards of Turkish Marine Traffic Operators**
ERLEVENT B., Kum S.
I. Ulusal Gemi Trafik Hizmetleri Kongresi, İstanbul, Turkey, 8 - 09 December 2014, pp.41-46
- XVII. **New Vision on Planning of Maritime Traffic Services: E-Navigation**
Yalçın E., Aksoy S., AYDOĞDU V., Kum S.
I. Ulusal Gemi Trafik Hizmetleri Kongresi, İstanbul, Turkey, 8 - 09 December 2014, pp.171
- XVIII. **Human Errors on Chemical Tanker Loading Discharging Operations**
Altun M. H. A., Kum S., Çiçek İ.
IAMU AGA-15, Tazmanya, Australia, 27 - 30 October 2014
- XIX. **Investigation of VTSOs Mental Workload**
KUM S., Çehreli T., BAŞ M., YURTÖREN C.
12th International Symposium on VTS – “Beyond the Limits”, 10 September 2012 - 14 September 2014
- XX. **Fishing Activities in Turkish Republic of Northern Cyprus**
Debeş M. E., Beyoğlu A., KUM S.
1st International Symposium on Aquatic Sciences and Technology, 15 - 17 May 2014, pp.60
- XXI. **Transportation Infrastructure and Management for Istanbul**
ŞAHİN B., KUM S., AYDOĞDU Y. V., AKSAKALLI V.
Standardizasyonun Küresel Ekonomiye Etkileri, 25 - 26 November 2013, pp.735-736
- XXII. **Buzlu Sularda Rota Belirlemede Karar Analizi**

ŞAHİN B., ŞENOL Y. E., KUM S.

V. Ulusal Denizcilik Kongresi, Turkey, 11 - 13 November 2013

XXIII. Kıyı Taşımacılığı yapan bir Filo için Koster Seçimi Karar Analizi

ŞENOL Y. E., ŞAHİN B., KUM S.

V. Ulusal Denizcilik Kongresi, Turkey, 11 - 13 November 2013

XXIV. A Survey Study on Ice Navigation Research

SAHİN B., Kum S., AKSAKALLI V., AYDOĞDU V.

Proceedings of Asia Navigation Conference, 24 - 26 October 2013, pp.27-34

XXV. A Novel Approach for Selecting Navigation Route in the Arctic Region

ŞAHİN B., KUM S., BULUT E., DURU O.

6th International Conference of the Asian Shipping and Logistics, ICASL 2013, 30 - 31 August 2013, pp.469-486

XXVI. Coaster Fleet Design and Selection in the Coastal Maritime Transport

ŞENOL Y. E., ŞAHİN B., KUM S., AYDOĞDU Y. V., DURU O., GÜNEŞ E.

the International Institute of Industrial Engineers (IIE) Conference, 26 - 28 June 2013, pp.47

XXVII. Marine accident analysis by using pairwise comparison

ŞAHİN B., KUM S., AYDOĞDU Y. V., DURU O.

10th Jubilee International Conference Transnav 2013 on Marine Navigation and Safety of Sea Transportation, 19 - 21 June 2013

XXVIII. An Application Tool to Analyse the Operational Ship Voyage Performance

Bilici A., KUM S., ARSLAN Ö.

People-to-people exchange between Japan and Turkey tied with ocean, 6 - 13 November 2012

XXIX. Marine Accident Analysis at Ahirkapi Anchorage Area in Southern Entrance of the Istanbul Strait

AYDOĞDU Y. V., KUM S., YURTÖREN C., ENES P., SANAL T.

Proceedings of Asia Navigation Conference, 8 - 10 November 2012

XXX. A Study on Determination of Minimum Tug Boat Assistance for Direct Passage of a Large Vessel through the Istanbul Strait

Yurtören C., Kum S., Kum S., AYDOĞDU V., AKSAKALLI V.

Proceedings of Asia Navigation Conference, 8 - 10 November 2012

XXXI. Ship based Risks in the Port Construction Projects

YURTÖREN C., KUM S., SATIR T., AYDOĞDU Y. V.

10th International Congress on Advances in Civil Engineering, 17 - 19 October 2012

XXXII. A Decision Making Human Resource Information Management System for Ship Management

BİLİCİ A., KUM S., ARSLAN Ö.

Proceedings of IAMU (International Association of Maritime Universities) AGA-13, 15 - 17 October 2012, pp.237-246

XXXIII. Efficiency of Communication and English Language Usage in Narrow Waterways

Ertaş A. Y., KOLDEMİR B., Kum S.

5th International Conference on Maritime Transportation (MT'12), 27 - 29 June 2012, pp.201-212

XXXIV. A Study on Female Students Sea Women

KUM S.

People-to-people exchange between Japan and Turkey tied with ocean (international project), "Effective utilization of ocean resources and Future maritime industries" (international symposium), 2 - 11 November 2011

XXXV. Comparison of the One Way and Two Way Traffic Implementations in the Istanbul Strait

AYDOĞDU Y. V., YURTÖREN C., KUM S., AKSOY S.

People-to-people exchange between Japan and Turkey tied with ocean (international project), "Effective utilization of ocean resources and Future maritime industries" (international symposium), 2 - 11 November 2011

XXXVI. Novel Approach to Assess Safety Concept of the LNG Carriers for Loading Unloading Operations

KALENDER S. S., Kum S., Güler A. N.

Proceedings of The First Global Conference on Innovation in Maritime Technology and the Future of Maritime Transportation, 24 - 26 November 2010, pp.425-432

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Industry Labour Traffic Ophthalmology Congress, 10 December 2005, vol.5, pp.42
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- LVI. **Evaluation of BTM Effects with Heart Rate**
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Other Publications

- I. **The Report of AIS Project-Turkey, Annual Bulletin of the International Maritime Education and Research Center (IMERC)**
Kum S.
Technical Report, pp.8-11, 2008

Expert Reports

- I. **Elektronik Seyir dersine ilişkin olarak yapılan bütünlleme sınavı notuna itiraz ve sınav sonucunun iptal edilmesi talebi**
Kum S.
5. İDARE MAHKEMESİ, pp.4, İstanbul, 2023
- II. **Göksel Seyir dersine ilişkin olarak yapılan bütünlleme sınavı notuna itiraz ve sınav sonucunun iptal edilmesi talebi**
Kum S.
5. İDARE MAHKEMESİ, pp.5, İstanbul, 2023

Supported Projects

Kum S., Project Supported by Other Official Institutions, İzmir Gemi Trafik Hizmetleri GTH Alanı Risk Değerlendirmesi, 2015 - Continues

Kum S., Balcıoğlu H., Sağsan M., Büke A., Öztürkler Z., Hoca'nın A., Muhtaroglu A., Ülker S., Atan T., Bahatti F., Project

Supported by Public Organizations in Other Countries, KKTC YÜKSEKÖĞRETİM STRATEJİK PLANI HAZIRLAMA, 2017 - 2020

Kum S., TUBITAK Project, Köprüüstü Dümen Tutma Eğitim Simülatörü, 2015 - 2019

Kum S., Project Supported by Higher Education Institutions, Human Errors on Chemical Tanker Loading Discharging Operations, 2014 - 2018

Kum S., Project Supported by Higher Education Institutions, A Decision Making Human Resource Information Management System for Ship Management, 2012 - 2018

Kum S., Project Supported by Higher Education Institutions, NAVIGATORS WORKLOAD DURING THE PASSAGE OF VTS AREAS, 2009 - 2018

Kum S., Project Supported by Other Official Institutions, Denizaltılarda Öz Akustik Kestirimi ve Akustik İzleme Uyarı Sistemi Prototip Geliştirilmesi, 2016 - 2017

Kum S., Project Supported by Other Official Institutions, WECDIS Algoritma Geliştirme Çalışmaları, 2015 - 2016

Kum S., Project Supported by Other Official Institutions, C tipi Liman ve Deniz Trafik Simülasyonu Projeleri İTÜ Denizcilik Fakültesi Simülatörler Merkezi, 2015 - 2015

Kum S., Other International Funding Programs, Enforcement of Maritime Education in Middle East and French Speaking Africa, 2013 - 2015

Kum S., Other International Funding Programs, Research on algorithm of collecting valuable information MET system and Human Resource Database in IAMU Members Universities Institutions, 2012 - 2015

Kum S., Project Supported by Other Official Institutions, İzmit Körfezi Risk Değerlendirmesi, 2013 - 2014

Kum S., H2020 Project, Towards an Intermodal Transport Network through innovative research driven clusters in Regions of organised and competitive knowledge InTraRegio Transportation and Logistics Cluster of East Marmara TRaceM EU FP7 286975, 2011 - 2014

Kum S., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Gemi Teçhizatı Test Merkezi, 2012 - 2013

Kum S., Project Supported by Higher Education Institutions, LRIT Sisteminin DENİZ Emniyeti ve Güvenliğine Olan Etkilerinin Analizi, 2012 - 2013

Kum S., Industrial Thesis Project, Denizcilik Eğitimi için Gemi Dümen Tutma Simülatörü, 2012 - 2013

Kum S., Other International Funding Programs, Kobe University IMERC International Maritime Education and Research Centre Asian Maritime Education and Research Cluster, 2007 - 2010

Kum S., Other International Funding Programs, Kobe University IMERC Basic Study on the Global Standardisation of Safety Assessment Systems in the Maritime Traffic Management, 2006 - 2008

Kum S., Other International Funding Programs, Kobe University Research Center for Urban Safety and Security, 2005 - 2008

Kum S., Other International Funding Programs, JICA ITUMF Project on Improvement of Maritime Education in Turkey, 2000 - 2005

Activities in Scientific Journals

Turkish Journal of Maritime and Marine Sciences (TRJMMS), Publication Committee Member, 2018 - Continues

Publication Committee Member, 2015 - 2020

Journal of Eta Maritime Science, Editor, 2014 - 2020

13th International Conference on "Marine Navigation and Safety of Sea Transportation" TransNav 2019, Evaluation Committee Member, 2019 - 2019

Committee Member, 2013 - 2019

Memberships / Tasks in Scientific Organizations

Japan Institute of Navigation (JIN), Member, 2005 - 2019, Japan

Nautical Institute, Member, 2005 - 2019, United Kingdom

Bilim Kurulu, Member, 2016 - 2016

Scientific Refereeing

AQUATIC RESEARCH, Other Indexed Journal, September 2021
JOURNAL OF NAVIGATION, SCI Journal, August 2021
JOURNAL OF NAVIGATION, SCI Journal, July 2021
international journal of applied studies, Other Indexed Journal, July 2021
International Journal on Marine Navigation and Safety of Sea Transportation, Other Indexed Journal, June 2021
JOURNAL OF NAVIGATION, SCI Journal, May 2021
JOURNAL OF NAVIGATION, SCI Journal, March 2021
Journal of ETA Maritime Science (JEMS), Other Indexed Journal, November 2020
INTERNATIONAL JOURNAL OF MARITIME ENGINEERING, SCI Journal, September 2020
INTERNATIONAL JOURNAL OF MEDICAL INFORMATICS, SCI Journal, May 2020
Project Supported by Higher Education Institutions, BAP Research Project, Dokuz Eylul University, Turkey, March 2020
Proceedings Of The Institution Of Mechanical Engineers Part M-Journal Of Engineering For The Maritime Environment, Journal Indexed in SCI-E, January 2020
Marine Policy, SCI Journal, August 2019
RISK MANAGEMENT-AN INTERNATIONAL JOURNAL, SCI Journal, June 2019
13th International Conference on "Marine Navigation and Safety of Sea Transportation" TransNav 2019, Scientific / Professional Book Published by Renowned Publishing Houses, January 2019
Issues in Business Management and Economics, Other Indexed Journal, June 2018
Journal of ETA Maritime Science (JEMS), Other Indexed Journal, October 2017
Transportation Research, Part D: Transport and Environment (TRD_2017_450), SCI Journal, July 2017
Autism-Open Access, ACRGROUP-16-974, OMICS, Other Indexed Journal, April 2017
Biomedical Research, Allied Academies-17-841, OMICS, Other Indexed Journal, March 2017
Psychology & Psychotherapy, Medical Journals-17-502, OMICS, Other Indexed Journal, March 2017
October 2016
Journal of Addiction Research & Therapy, ACRGROUP-16-959, OMICS, Other Indexed Journal, August 2016
Denizcilik Dergisi, Dokuz Eylül Üniversitesi, Denizcilik Fakültesi, National Scientific Refreed Journal, June 2016
The Journal of the Human Factors and Ergonomics Society, HF-14-4097, SCI Journal, August 2014
Journal of Marine Science and Technology, JMST-2014-086-01, SCI Journal, June 2014

Scientific Consultations

iSea - Intelligent telematics and safety solution for sea vessels, Project Consultancy, Istanbul Technical University, Denizcilik, Deniz Ulaştırma İşletme Mühendisliği, Turkey, 2017 - 2020

Tasks In Event Organizations

Kum S., 2nd Maritime Safety International Conference (MASTIC), Responding to Future's Technological Challenges and Safety Operation at Sea and Environmental Protection, Scientific Congress, Surabaya, Indonesia, Temmuz 2020
Kum S., KKTC Yükseköğretim Stratejik Planlama Çalıştayı, Workshop Organization, Lefkoşa, Cyprus (Kktc), Temmuz 2018

Metrics

Publication: 96
Citation (WoS): 178
Citation (Scopus): 278
H-Index (WoS): 5

H-Index (Scopus): 5

Invited Talks

2nd Maritime Safety International Conference (MASTIC), Seminar, Institut Teknologi Sepuluh Nopember, Indonesia, July 2020

Scholarships

Kısa süreli araştırmacı, Official Institutions of Foreign Countries, 2008 - 2009

Araştırma Görevlilerine Yurt Dışı Desteği, Foundation, 2007 - 2008

Denizci Akademisyenlerin Doktora Eğitimlerinin Desteklenmesi, Foundation, 2005 - 2008

Doktora eğitim bursu, Official Institutions of Foreign Countries, 2005 - 2008

Denizci Akademisyenlerin Y. Lisans Eğitimlerinin Desteklenmesi, Foundation, 2003 - 2005

Awards

Kum S., Güverte Bölümü ve Fakülte Birinciliği, İTÜ Denizcilik Fakültesi, June 2001

Non Academic Experience

State Agency, KKTC Milli Eğitim ve Kültür Bakanlığı ve YÖDAK

State Agency, KKTC Milli Eğitim ve Kültür Bakanlığı

State Agency, YÖDAK

Non-profit Organisation, Sivil Savunma

Other, YÖDAK-ÜAK

State Agency, YÖDAK

State Agency, YÖDAK

State Agency, YÖDAK

State Agency, YÖDAK ve ÜAKK

Kobe Üniversitesi