

## Prof. Yasin Arslanođlu



### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: K-5554-2016

ScopusID: 57201980931

Yoksis Researcher ID: 104996

### Education Information

Doctorate, Istanbul Technical University, Fen-Edebiyat Fakóltesi, Kimya Bölümü, Turkey  
2004 - 2010

### Foreign Languages

English

### Dissertations

Doctorate, Simetrik ve asimetrik ftalosiyeninlerin sentezi, İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakóltesi, Kimya Bölümü, 2010

### Research Areas

Environmental Engineering, Artificial Intelligence, Computer Learning and Pattern Recognition, Ship Machines, Chemistry

### Academic Titles / Tasks

Professor, Istanbul Technical University, Denizcilik, Temel Bilimler, 2020 - Continues

### Academic and Administrative Experience

Head of Department, Istanbul Technical University, Lisansüstü Eğitim Enstitüsü, Marine Transportation Engineering,  
2021 - Continues

Head of Department, Istanbul Technical University, Denizcilik, Temel Bilimler, 2021 - Continues

Fakülte Yönetim Kurulu Üyesi, Istanbul Technical University, Denizcilik, Temel Bilimler, 2020 - Continues  
Fakülte Kurulu Üyesi, Istanbul Technical University, Denizcilik, Temel Bilimler, 2020 - Continues  
BAP Coordinator, Istanbul Technical University, Denizcilik, Temel Bilimler, 2014 - 2017  
İstanbul Teknik Üniversitesi, Denizcilik Fakültesi, Gemi Makineleri İşletme Mühendisliği Bölümü, 2014 - 2015

## Courses

Ship Energy Management, Postgraduate, 2021 - 2022  
Maritime Technology and Innovation Management, Postgraduate, 2021 - 2022  
Maritime Environment Management, Postgraduate, 2021 - 2022  
Scientific Research, Ethic and Seminar, Postgraduate, 2021 - 2022  
Maritime Education and Training Studies, Postgraduate, 2021 - 2022  
Advanced Maritime Chemistry, Postgraduate, 2020 - 2021  
Ship Energy Management, Postgraduate, 2021 - 2022  
Special Topics in Maritime Transportation Engineering, Postgraduate, 2021 - 2022  
Advanced Topics in Maritime Transportation Engineering, Doctorate, 2018 - 2019

## Advising Theses

Arslanoğlu Y., Gemi trafik hizmetleri deniz trafik operatörü seçim kriterlerinin değerlendirilmesi, Postgraduate, D.TOKDEMİR(Student), 2024  
Arslanoğlu Y., Gemi Makine Dairesi Bakım İşlemlerinin Verimlilik Analizi, Doctorate, Ç.KARATUĞ(Student), 2023  
Arslanoğlu Y., Gemi elektrik şebekelerinde derin öğrenme uygulamaları, Doctorate, T.UYANIK(Student), 2023  
Arslanoğlu Y., Denizcilikte kompleks sistem kaza analizi için yeni bir model önerisi, Doctorate, B.OZAN(Student), 2023  
Arslanoğlu Y., GEMİ ACENTASI SEÇİM KRİTERLERİNİN AHP YÖNTEMİ İLE BELİRLENMESİ: GÜNEY MARMARA BÖLGESİ ÖRNEĞİ, Postgraduate, A.YAMAÇ(Student), 2023  
Arslanoğlu Y., Gemi turboşarjır sisteminin risk ve enerji verimliliğinin değerlendirilmesi, Postgraduate, Ç.SERÇE(Student), 2023  
Arslanoğlu Y., Kaya T., Konteyner Liman Operasyonlarının Makine Öğrenmesi Yöntemleri ile Analizi, Doctorate, Ü.ATAK(Student), 2022  
Arslanoğlu Y., ANA MAKİNA VE JENERATÖR GÜÇ HESABI İLE UYGUN TEDARİKÇİ SEÇİMİNDE AHP UYGULAMASI, Postgraduate, M.ACAR(Student), 2022  
Arslanoğlu Y., GEMİ KOMPRESÖR SİSTEMİNİN FMEA YÖNTEMİ İLE RİSK ANALİZİ VE ÖNLEYİCİ FAALİYETLERİN BELİRLENMESİ, Postgraduate, H.BACIOĞLU(Student), 2022  
Arslanoğlu Y., Denizcilikte enerji verimliliği tasarım indeksi analizi, Postgraduate, O.YILMAZ(Student), 2021  
Arslanoğlu Y., İstanbul Boğazı'ndaki gemi kazaları ve arızalarının analizi, Postgraduate, C.GÜRSOY(Student), 2021  
Arslanoğlu Y., Gemi ana makinelerinde yapılan modifikasyonların enerji verimliliğine olan etkisi, Postgraduate, R.ŞANAL(Student), 2021  
Arslanoğlu Y., İstanbul boğazı geçişi yapan gemiler için makine öğrenmesi uygulamaları ve kantitatif risk analizi, Postgraduate, M.TOPAL(Student), 2021  
Arslanoğlu Y., Gemilerde karina temizliğinin enerji verimliliğine etkisi, Postgraduate, P.KARABIYIK(Student), 2021  
Arslanoğlu Y., Gemi için balast suyu arıtma sisteminin belirlenmesi, Postgraduate, G.ATACAN(Student), 2021  
Arslanoğlu Y., Gemi kaynaklı egzoz emisyonları azaltma yöntemlerinin karşılaştırmalı analizi, Postgraduate, E.EJDER(Student), 2020  
Arslanoğlu Y., Beji S., Corrosion control methods in ships and advances in marine coatings, Postgraduate, İ.GÜLER(Student), 2019  
Arslanoğlu Y., Gemiadamlarının emniyetli çalışma davranışlarının makine öğrenmesi ile tahminlenmesi, Postgraduate, G.ELİDOLU(Student), 2019  
Arslanoğlu Y., Türk gemi adamlarının uluslararası piyasada tercih edilirliliğinin ve istihdamının artırılması için model

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Comparative Life Cycle Assessment of Alternative Marine Fuels**  
Zincir B. A., Arslanoğlu Y.  
Fuel, vol.358, 2024 (SCI-Expanded)
- II. **A risk assessment of scrubber use for marine transport by rule-based fuzzy FMEA**  
Karatuğ Ç., Ceylan B. O., Arslanoğlu Y.  
Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment, vol.238, no.1, pp.114-125, 2024 (SCI-Expanded)
- III. **Cost-benefit analysis of emission reduction techniques: a case for container vessel**  
Ejder E., Karatuğ Ç., Arslanoğlu Y.  
Journal of Marine Engineering and Technology, 2024 (SCI-Expanded)
- IV. **A system theory (STAMP) based quantitative accident analysis model for complex engineering systems**  
Ceylan B. O., Karatuğ Ç., Akyüz E., Arslanoğlu Y., Boustras G.  
SAFETY SCIENCE, vol.166, pp.106232, 2023 (SCI-Expanded)
- V. **Design of a decision support system to achieve condition-based maintenance in ship machinery systems**  
Karatuğ Ç., Arslanoğlu Y., Guedes Soares C.  
Ocean Engineering, vol.281, 2023 (SCI-Expanded)
- VI. **A Data-Driven Approach for Generator Load Prediction in Shipboard Microgrid: The Chemical Tanker Case Study**  
Uyanık T., Bakar N. N. A., Kalenderli Ö., Arslanoğlu Y., Guerrero J. M., Lashab A.  
Energies, vol.16, no.13, 2023 (SCI-Expanded)
- VII. **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)
- VIII. **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)
- IX. **Review of maintenance strategies for ship machinery systems**  
Karatuğ Ç., Arslanoğlu Y., Soares C. G.  
Journal of Marine Engineering and Technology, vol.22, no.5, pp.233-247, 2023 (SCI-Expanded)
- X. **Determination of a maintenance strategy for machinery systems of autonomous ships**  
Karatuğ Ç., Arslanoğlu Y., Guedes Soares C.  
Ocean Engineering, vol.266, 2022 (SCI-Expanded)
- XI. **Evaluation of ammonia fueled engine for a bulk carrier in marine decarbonization pathways**  
Ejder E., Arslanoğlu Y.  
Journal of Cleaner Production, vol.379, 2022 (SCI-Expanded)
- XII. **Feasibility Analysis of the Effects of Scrubber Installation on Ships**  
Karatuğ Ç., Arslanoğlu Y., Guedes Soares C.  
Journal of Marine Science and Engineering, vol.10, no.12, 2022 (SCI-Expanded)
- XIII. **A novel methodology for the use of engine simulators as a tool in academic studies**  
Ceylan B. O., Karatuğ Ç., Arslanoğlu Y.  
JOURNAL OF MARINE SCIENCE AND TECHNOLOGY, vol.27, no.4, pp.1220-1232, 2022 (SCI-Expanded)
- XIV. **Data-Driven Approach for Estimating Power and Fuel Consumption of Ship: A Case of Container**

## Vessel

Uyanık T., Yalman Y., Kalenderli Ö., Arslanoğlu Y., Terriche Y., Su C., Guerrero J. M.  
MATHEMATICS, vol.10, no.22, 2022 (SCI-Expanded)

- XV. **Development of condition-based maintenance strategy for fault diagnosis for ship engine systems**  
Karatuğ Ç., Arslanoğlu Y.  
OCEAN ENGINEERING, vol.256, pp.111515, 2022 (SCI-Expanded)
- XVI. **Modified quantitative systems theoretic accident model and processes (STAMP) analysis: A catastrophic ship engine failure case**  
Ceylan B. O., Akyüz E., Arslanoğlu Y.  
OCEAN ENGINEERING, vol.253, 2022 (SCI-Expanded)
- XVII. **Thermoelectric Generators as an Alternative Energy Source in Shipboard Microgrids**  
Uyanık T., Ejder E., Arslanoğlu Y., Yalman Y., Terriche Y., Su C., Guerrero J. M.  
Energies, vol.15, no.12, 2022 (SCI-Expanded)
- XVIII. **Machine learning methods for predicting marine port accidents: a case study in container terminal**  
Atak Ü., Arslanoğlu Y.  
SHIPS AND OFFSHORE STRUCTURES, vol.17, no.11, pp.2480-2487, 2022 (SCI-Expanded)
- XIX. **Importance of early fault diagnosis for marine diesel engines: a case study on efficiency management and environment**  
Karatuğ Ç., Arslanoğlu Y.  
Ships and Offshore Structures, vol.17, no.2, pp.472-480, 2022 (SCI-Expanded)
- XX. **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)
- XXI. **Machine learning based visibility estimation to ensure safer navigation in strait of Istanbul**  
Uyanık T., Karatuğ Ç., Arslanoğlu Y.  
Applied Ocean Research, vol.112, 2021 (SCI-Expanded)
- XXII. **Machine learning approach to ship fuel consumption: A case of container vessel**  
Uyanık T., Karatuğ Ç., Arslanoğlu Y.  
TRANSPORTATION RESEARCH PART D-TRANSPORT AND ENVIRONMENT, vol.84, 2020 (SCI-Expanded)
- XXIII. **An analysis and comparison of multinational officers of the watch in the global maritime labor market**  
Kartal S. E., UĞURLU Ö., Kaptan M., Arslanoğlu Y., Wang J., Loughney S.  
MARITIME POLICY & MANAGEMENT, vol.46, no.6, pp.757-780, 2019 (SSCI)
- XXIV. **Iron-Catalyzed Synthesis of Indenones through Cyclization of Carboxamides with Alkynes**  
ILIES L., Arslanoglu Y., MATSUBARA T., NAKAMURA E.  
ASIAN JOURNAL OF ORGANIC CHEMISTRY, vol.7, no.7, pp.1327-1329, 2018 (SCI-Expanded)
- XXV. **Photophysicochemical behaviour and antimicrobial properties of monocarboxy Mg (II) and Al (III) phthalocyanine-magnetite conjugates**  
IDOWU M. A., XEGO S., Arslanoglu Y., MARK J., ANTUNES E., NYOKONG T.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.193, pp.407-414, 2018 (SCI-Expanded)
- XXVI. **Synthesis and photophysical properties of phthalocyanines having calixpyrrole units**  
Neslihan Erol Z., ATIENZAR P., ARSLANOGLU Y., Hamuryudan E., GARCIA H.  
RSC ADVANCES, vol.5, no.69, pp.55901-55908, 2015 (SCI-Expanded)
- XXVII. **Electrochemical and morphological analysis on novel phthalocyanine grafted conductive polymeric nanofibers**  
Gökçeören A. T., KAPLAN E., Arslanoğlu Y.  
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, vol.729, pp.87-94, 2014 (SCI-Expanded)
- XXVIII. **Polyamide Nanofiber Membranes Functionalized with Zinc Phthalocyanines**  
Goethals A., MUGADZA T., Arslanoglu Y., ZUGLE R., ANTUNES E., VAN HULLE S. W. H., NYOKONG T., DE CLERCK K.

JOURNAL OF APPLIED POLYMER SCIENCE, vol.131, no.13, 2014 (SCI-Expanded)

- XXIX. **Spectral properties and photophysical behaviour of water soluble cationic Mg(II) and Al(III) phthalocyanines**  
Idowu M. A., Arslanoglu Y., NYOKONG T.  
CENTRAL EUROPEAN JOURNAL OF CHEMISTRY, vol.12, no.3, pp.403-415, 2014 (SCI-Expanded)
- XXX. **Synthesis of non-peripherally and peripherally substituted zinc (II) phthalocyanines bearing pyrene groups via different routes and their photophysical properties**  
Surgun S., Arslanoğlu Y., HAMURYUDAN E.  
DYES AND PIGMENTS, vol.100, pp.32-40, 2014 (SCI-Expanded)
- XXXI. **Synthesis, electrochemical and photophysical studies of axially substituted quarternizable titanyl phthalocyanines**  
Arslanoğlu Y., HAYRAN E., HAMURYUDAN E.  
DYES AND PIGMENTS, vol.97, no.2, pp.340-346, 2013 (SCI-Expanded)
- XXXII. **Synthesis and photophysical properties of peripherally and non-peripherally mercaptopyrindine substituted metal free, Mg(II) and Al(III) phthalocyanines**  
Arslanoglu Y., IDOWU M., NYOKONG T.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.95, pp.407-413, 2012 (SCI-Expanded)
- XXXIII. **Photophysical behaviour of cationic 2-(dimethylamino) ethanethio tetrasubstituted phthalocyanine complexes in the presence of gold nanoparticles**  
Mthethwa T. P., Arslanoglu Y., ANTUNES E., NYOKONG T.  
POLYHEDRON, vol.38, no.1, pp.169-177, 2012 (SCI-Expanded)
- XXXIV. **Characterization of 2,(3)-tetra-(4-oxo-benzamide) phthalocyaninato cobalt (II)-Single walled carbon nanotube conjugate platforms and their use in electrocatalysis of amitrole**  
Mugadza T., Arslanoglu Y., NYOKONG T.  
ELECTROCHIMICA ACTA, vol.68, pp.44-51, 2012 (SCI-Expanded)
- XXXV. **Synthesis and photophysical studies of monocarboxy phthalocyanines containing quaternizable groups**  
Arslanoglu Y., NYOKONG T.  
POLYHEDRON, vol.30, no.16, pp.2733-2739, 2011 (SCI-Expanded)
- XXXVI. **Electrochemical behavior of phthalocyanines containing high oxidation state central metals: Titanium(IV), vanadium(IV), and tantalum(V)**  
Chauke V. P., Arslanoglu Y., NYOKONG T.  
POLYHEDRON, vol.30, no.12, pp.2132-2139, 2011 (SCI-Expanded)
- XXXVII. **Synthesis and photophysical behaviour of tantalum and titanium phthalocyanines in the presence of gold nanoparticles: Photocatalysis towards the oxidation of cyclohexene**  
Chauke V. P., Arslanoglu Y., NYOKONG T.  
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, vol.221, no.1, pp.38-46, 2011 (SCI-Expanded)
- XXXVIII. **The synthesis and electrochemical study of novel phthalocyanines substituted with a crown ether and alkyl chains**  
Arslanoğlu Y., Koca A., Hamuryudan E.  
DYES AND PIGMENTS, vol.88, no.2, pp.135-142, 2011 (SCI-Expanded)
- XXXIX. **Voltammetric and spectroelectrochemical properties of titanylphthalocyanines bearing catecholato and naphthalenediolato moieties**  
Koca A., ARSLANOGLU Y., Hamuryudan E.  
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, vol.616, pp.107-116, 2008 (SCI-Expanded)
- XL. **Synthesis of novel unsymmetrical phthalocyanines substituted with crown ether and nitro groups**  
Arslanoglu Y., KOCA A., Hamuryudan E.  
POLYHEDRON, vol.26, no.4, pp.891-896, 2007 (SCI-Expanded)
- XLI. **Electrochemistry, spectroelectrochemistry and electrochemical polymerization of**

### **titanylphthalocyanines**

Koca A., OZKAYA A. R., ARSLANOGLU Y., Hamuryudan E.  
ELECTROCHIMICA ACTA, vol.52, no.9, pp.3216-3221, 2007 (SCI-Expanded)

**XLII. Synthesis and derivatization of near-IR absorbing titanylphthalocyanines with dimethylaminoethylsulfanyl substituents**

Arslanoglu Y., Hamuryudan E.  
DYES AND PIGMENTS, vol.75, no.1, pp.150-155, 2007 (SCI-Expanded)

**XLIII. Near-IR absorbing phthalocyanines**

Arslanoglu Y., SEVIM A. M., HAMURYUDAN E., GUL A.  
DYES AND PIGMENTS, vol.68, pp.129-132, 2006 (SCI-Expanded)

## **Articles Published in Other Journals**

- I. Environmental and Economic Evaluation of Dual-Fuel Engine Investment of a Container Ship**  
Karatuğ Ç., Ejder E., Tadros M., Arslanoğlu Y.  
Journal of Marine Science and Application, vol.22, no.4, pp.823-836, 2023 (ESCI)
- II. An MDCM approach for risk assessment at the polar regions: analysing the antarctic route ice navigation risk parameters**  
Atak Ü., Uyanık T., Arslanoğlu Y.  
Australian Journal of Maritime and Ocean Affairs, vol.15, no.4, pp.464-482, 2023 (Scopus)
- III. Risk assessment of sea chest fouling on the ship machinery systems by using both FMEA method and ERS process**  
Ceylan B. O., Karatuğ Ç., Ejder E., Uyanık T., Arslanoğlu Y.  
Australian Journal of Maritime and Ocean Affairs, vol.15, no.4, pp.414-433, 2023 (Scopus)
- IV. Analysing the Effects of Weather Conditions on Container Terminal Operations Using Machine Learning**  
Atak Ü., Kaya T., Arslanoğlu Y.  
International Journal of Business Analytics, vol.9, no.5, pp.1-17, 2022 (Scopus)

## **Books & Book Chapters**

- I. Investigation of Main Engine Turbocharger Fouling Effects on Fuel Oil Consumption by Using Engine Room Simulator**  
CEYLAN B. O., ARSLANOĞLU Y.  
in: Springer Proceedings in Energy, M. Ziya Sogut, T. Hikmet Karakoc, Omer Secgin, Alper Dalkiran, Editor, Springer Cham, pp.179-182, 2023
- II. SWOT Analysis of Carbon Capture, Storage, and Transportation for Maritime Industry**  
ZİNCİR B. A., ZİNCİR B., ARSLANOĞLU Y.  
in: Decarbonization of Maritime Transport, Zincir Burak, Shukla Pravesh Chandra, Agarwal Avinash Kumar, Editor, Springer Singapore, pp.117-140, 2023
- III. Investigation and Examination of LNG, Methanol, and Ammonia Usage on Marine Vessels**  
KARATUĞ Ç., CEYLAN B. O., Ejder E., ARSLANOĞLU Y.  
in: Decarbonization of Maritime Transport, Zincir Burak, Shukla Pravesh Chandra, Agarwal Avinash Kumar, Editor, Springer, pp.65-85, 2023

## **Refereed Congress / Symposium Publications in Proceedings**

- I. 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

**II. Ammonia, And Methanol as a Marine Fuel,**

KARATUĞ Ç., CEYLAN B. O., ARSLANOĞLU Y.

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

**III. Effect of Mucilage Pollution on Ship Energy Efficiency**

USLUER H. B., Ejder E., Zincir B. A., ARSLANOĞLU Y.

4th Global Conference on Innovation in Marine Technology and the Future of Maritime Transportation (GMC'21), 18 November 2021

**IV. 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

**V. A MACHINE LEARNING APPROACH FOR SOLAR POWER PLANT ELECTRICAL POWER ESTIMATION**

UYANIK T., Yılmaz O., ARSLANOĞLU Y.

5th International Anatolian Energy Symposium 24-25 March 2021 (AES 2021), Trabzon, Turkey, 24 - 26 March 2021, pp.412-417

**VI. 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

**VII. Analysis of Ship Fuel Consumption Through Multiple Linear Regression**

Karatuğ Ç., Arslanoğlu Y.

5th International Mediterranean Science and Engineering Congress (IMSEC 2020), Antalya, Turkey, 21 - 23 October 2020, pp.268-272

**VIII. Data-Driven Approach For Estimation Of Marine Vessel's Fuel Oil Consumption**

KARATUĞ Ç., UYANIK T., ARSLANOĞLU Y.

9th International Conference on Advanced Technologies (ICAT'xx20), Turkey, 10 August 2020

**IX. The Effect of Ship's Body And Propeller Condition on The Energy Efficiency of The Marine Vessels**

Karatuğ Ç., Arslanoğlu Y.

5th International Mediterranean Science and Engineering Congress (IMSEC 2020), Antalya, Turkey, 21 October 2020, pp.176-180

**X. Seafarer personnel selection with Fuzzy AHP**

Elidolu G., Uyanik T., Arslanoğlu Y.

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

**XI. Data Driven Approach for Estimation of Marine Vessel'xxs Fuel Oil Consumption**

KARATUĞ Ç., UYANIK T., ARSLANOĞLU Y.

9th International Conference on Advanced Technologies (ICAT'xx20), İstanbul, Turkey, 10 - 12 August 2020

**XII. Ship Electrical Power Estimation with Machine Learning**

UYANIK T., KARATUĞ Ç., ARSLANOĞLU Y.

9th International Conference on Advanced Technologies (ICAT'xx20), İstanbul, Turkey, 10 - 12 August 2020

**XIII. Container Terminal Workload Modeling Using Machine Learning Techniques**

ATAK Ü., KAYA T., ARSLANOĞLU Y.

International Conference on Intelligent and Fuzzy Systems, INFUS 2020, İstanbul, Turkey, 21 July 2020, vol.1197, pp.1149-1155

**XIV. Marine Corrosion Protection via Nanocoatings**

güler i., ARSLANOĞLU Y., BEJİ S.

INTERNATIONAL CONFERENCE ON SUSTAINABLE ENERGY AND ENERGY CALCULATIONS (ICSEEC), 12 - 14 April

2019

- XV. **The Determination of the geographical origins of Ezine cheese by multi-elemental fingerprinting**  
ÖZCAN N., ARSLANOĞLU Y., destanoğlu o.  
Euroanalysis, İstanbul, Turkey, 1 - 05 September 2019
- XVI. **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
- XVII. **Ship Fuel Consumption Prediction with Machine Learning**  
UYANIK T., ARSLANOĞLU Y., KALENDERLİ Ö.  
4th International Mediterranean Science and Engineering Congress (IMSEC2019), Antalya, Turkey, 24 - 27 April 2019
- XVIII. **A Sensor Application for Oceanographic Drifter**  
USLUER H. B., UYANIK T., ARSLANOĞLU Y.  
ICOEST 4th International Conference on Environmental Science and Technology, KIEV, Ukraine, 19 - 23 September 2018, pp.8
- XIX. **Low Cost Sensor System Design for Lagrangian Drifter at Turkish Straits**  
USLUER H. B., UYANIK T., ARSLANOĞLU Y.  
ICOEST 4th International Conference on Environmental Science and Technology, KIEV, Ukraine, 19 - 23 September 2018, pp.9
- XX. **ENERGY OPTIMIZATION BY DETERMINING PID COEFFICIENTS BY GENETIC ALGORITHM IN MARINE DUAL FUEL ENGINE**  
UYANIK T., ARSLANOĞLU Y., KALENDERLİ Ö.  
7th International Conference on Advanced Technologies, Antalya, Turkey, 28 April - 01 May 2018
- XXI. **INVESTIGATION OF THE SHIPS LIGHTNING PROTECTION SYSTEMS**  
UYANIK T., ARSLANOĞLU Y., KALENDERLİ Ö.  
7th International Conference on Advanced Technologies, Antalya, Turkey, 28 April - 01 May 2018
- XXII. **Analysis of Electromagnetic Field Levels in Ships**  
UYANIK T., ARSLANOĞLU Y., KALENDERLİ Ö.  
The 7th International Energy Conference - REMOO, 10 - 12 May 2017
- XXIII. **Ship Fuel Consumption And Emission Amount Modelling And Minimization With Fuzzy Logic**  
UYANIK T., KARTAL Ş. E., ARSLANOĞLU Y.  
The 7th International Energy Conference - REMOO, 10 - 12 May 2017
- XXIV. **Oceanographic Measurements in Istanbul Strait with New Type Buoy: Design and Performance at Sea**  
UYANIK T., USLUER H. B., ARSLANOĞLU Y.  
4th International Conference on Pure and Applied Sciences: Renewable Energy, İstanbul, Turkey, 23 - 25 November 2017
- XXV. **Iron-Catalyzed Synthesis of Indenones through Cyclization of Carboxamides with Alkynes**  
İlles L., Arslanoglu Y., Tatsuaki M., Nakamura E.  
The 97th Annual Meeting of The Chemical Society of Japan, 16 - 19 March 2017
- XXVI. **DOES IT HAVE TO COSTS SAILING GREEN A STRATEGIC MANAGEMENT ANALYSIS ON A MERCHANT SHIP**  
KARTAL Ş. E., ARSLANOĞLU Y.  
13th International Logistics and Supply Chain Congress, 22 - 23 October 2015
- XXVII. **Electrochemical Behaviours of Ferrocene Containing Methylacrylate Electrospun Nanofibers**  
GÜMRÜKÇÜ S., ARSLANOĞLU Y., SARAÇ A. S.  
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- XXVIII. **Phthalocyanine Based Anti Corrosive Materials**  
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- XXIX. **Effect of Conductive polymers As additive in protective coatings**



## Supported Projects

- Arslanoğlu Y., Elidolu G., Project Supported by Higher Education Institutions, Gemilerde Yük Operasyonları Üzerine Risk Değerlendirmesi, 2022 - Continues
- Arslanoğlu Y., TUBITAK Project, Imo Sözleşmesinin Uluslararası Gerekliklerinin Kalite Standardı D-2'Ye Göre Gemilerin Balast Suyunun Dezenfeksiyonu Ve Saflaştırılması İçin Yenilikçi Teknolojinin Geliştirilmesi, 2023 - 2025
- Arslanoğlu Y., Karatuğ Ç., Project Supported by Higher Education Institutions, Gemi Makine Dairesi Bakım İşlemlerinin Verimlilik Analizi, 2021 - 2023
- Arslanoğlu Y., Uyanık T., Project Supported by Higher Education Institutions, Gemi Elektrik Şebekelerinde Yapay Zeka ve Derin Öğrenme Araştırması, 2019 - 2023
- Arslanoğlu Y., Akyüz E., Arslan Ö., TUBITAK Project, MUSİLAJIN GEMİ MAKİNE SİSTEMLERİNE SOSYOEKONOMİK ETKİLERİ VE RİSK ANALİZİ DEĞERLENDİRMESİ, 2021 - 2022
- Arslanoğlu Y., Atak Ü., Project Supported by Higher Education Institutions, Konteyner Liman Operasyonlarının Makine Öğrenmesi Yöntemleri ile Analizi, 2020 - 2022
- Arslanoğlu Y., Project Supported by Higher Education Institutions, Elektrokromik esaslı ftalosiyanın içeren yeni nesil polimerlerin ince film ve nanofiber kompozitlerinin sentezi ve karakterizasyonu, 2015 - 2021
- Arslanoğlu Y., Project Supported by Higher Education Institutions, Electrochemical Analysis of Phthalocyanine Nanofibers as Anti-Corrosive Materials, 2014 - 2018
- Arslanoğlu Y., Project Supported by Higher Education Institutions, Merkaptofenoksi Grupları İçeren Tetra Sübsitiüte Ftalosiyanın Sentezi ve Fotofiziksel uygulamalarının Araştırılması, 2013 - 2018

## Scientific Refereeing

- FLEXIBLE SERVICES AND MANUFACTURING JOURNAL, SCI Journal, January 2022
- JOURNAL OF MARINE SCIENCE AND ENGINEERING, SCI Journal, December 2021
- ACS OMEGA, SCI Journal, July 2021
- JOURNAL OF ENVIRONMENTAL MANAGEMENT, SCI Journal, June 2021
- SHIPS AND OFFSHORE STRUCTURES, SCI Journal, June 2021
- OCEAN ENGINEERING, SCI Journal, April 2021
- ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, SCI Journal, March 2021
- ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, SCI Journal, February 2021

## Metrics

- Publication: 88
- Citation (WoS): 438
- Citation (Scopus): 751
- H-Index (WoS): 13
- H-Index (Scopus): 16

## Non Academic Experience

- Tokyo üniversitesi
- Rhodes University
- North Dakota State University-ABD