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Publons / Web Of Science ResearcherID: N-4611-2018

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Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri, Deniz Teknolojisi, Turkey 2003 - 2011

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Deniz Teknolojisi Mühendisliği (YL) (Tezli), Turkey 2000 - 2003

Undergraduate, Istanbul Technical University, Gemi İnşaatı Ve Deniz Bilimleri Fakültesi, Gemi Ve Deniz Teknolojisi Mühendisliği Bölümü, Turkey 1994 - 2000

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Balast suyu arıtımında elektrokimyasal hücre uygulaması, İstanbul Teknik Üniversitesi, Gemi İnşaatı ve Deniz Bilimleri, Gemi Ve Deniz Teknolojisi, 2011

Postgraduate, Gemi kökenli petrol kirliliğinin biyolojik yöntemlerle giderilmesi, İstanbul Teknik Üniversitesi, Gemi İnşaatı ve Deniz Bilimleri, Deniz Teknolojisi, 2003

Research Areas

Technical Sciences, Marine Sciences and Technology

Academic Titles / Tasks

Assistant Professor, Istanbul Technical University, Gemi İnşaatı ve Deniz Bilimleri, Gemi Ve Deniz Teknolojisi Mühendisliği, 2018 - Continues

Lecturer PhD, Istanbul Technical University, Gemi İnşaatı ve Deniz Bilimleri, Gemi Ve Deniz Teknolojisi, 2015 - 2018

Lecturer PhD, Istanbul Technical University, Gemi İnşaatı ve Deniz Bilimleri, Gemi Ve Deniz Teknolojisi, 2012 - 2015

Research Assistant, Istanbul Technical University, Gemi Ve Deniz Teknolojisi Mühendisliği Bölümü, 2001 - 2012

Courses

Ballast Water Management, Undergraduate, 2017 - 2018, 2016 - 2017
Dynamics, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013
Statics, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012
Gemi ve Oşinografi Laboratuvaru, Undergraduate, 2016 - 2017, 2015 - 2016, 2013 - 2014, 2012 - 2013, 2011 - 2012
Seawater Chemistry, Undergraduate, 2016 - 2017, 2015 - 2016, 2013 - 2014
Ship Mod. Tst. & Oceanography Lab., Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014
Deniz Kirliliği, Undergraduate, 2013 - 2014, 2012 - 2013

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Evaluation of ballast water treatment systems from the perspective of expert seafarers' ship experiences**
Yilmaz M., Bilgin Güney C.
BRODOGRADNJA, vol.74, pp.129-154, 2023 (SCI-Expanded)
- II. **Optimization of operational parameters of pneumatic system for ballast tank sediment reduction with experimental and ANN applications**
Güney C.
OCEAN ENGINEERING, vol.259, 2022 (SCI-Expanded)
- III. **Reduction of ballast tank sediment: Evaluating the effect of minor structural changes and developing a pneumatic cleaning system**
Güney C., Danişman D. B., Bozkurtoglu Ş. N.
OCEAN ENGINEERING, vol.203, 2020 (SCI-Expanded)
- IV. **DETERMINATION OF SEDIMENT ACCUMULATION PATTERN IN A DOUBLE BOTTOM BALLAST TANK MODEL**
Bilgin Güney C., Danişman D. B., Ertürk Bozkurtoğlu Ş. N., Yonsel F.
BRODOGRADNJA, vol.69, no.2, pp.55-67, 2018 (SCI-Expanded)
- V. **A NEURAL NETWORK APPLICATION FOR A BALLAST WATER ELECTROCHLORINATION SYSTEM**
Yonsel F., Güney C., Danişman D. B.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.23, no.12B, pp.3353-3361, 2014 (SCI-Expanded)
- VI. **Electrochemical Cell Applications for Ballast Water Treatment**
Güney C., Yonsel F.
MARINE TECHNOLOGY SOCIETY JOURNAL, vol.47, no.1, pp.134-145, 2013 (SCI-Expanded)

Articles Published in Other Journals

- I. **Paradigm Shift in Ship Design: Ballastless Ship**
Bilgin Güney C.
Gemi ve Deniz Teknolojisi, no.222, pp.60-79, 2023 (Peer-Reviewed Journal)
- II. **Statistical Approaches to Optimize the System to Reduce Sediment Accumulation in Ballast Tanks**
BİLGİN GÜNEY C.
Gemi ve Deniz Teknolojisi, 2023 (Peer-Reviewed Journal)
- III. **Ballast Water Problem: Current Status and Expected Challenges**
Bilgin Güney C.
Marine Science and Technology Bulletin, vol.11, 2022 (Peer-Reviewed Journal)
- IV. **IMO Balast Suyu Sözleşmesi'ne Göre Gemilerde Balast Suyu Yönetimi ve Güncel Değişiklikler**
BİLGİN GÜNEY C.
GİDB Dergi, no.12, pp.21-36, 2018 (Peer-Reviewed Journal)

- V. **Determination of critical sediment accumulation zones in a ballast tank model**
Bilgin Güney C., Danişman D. B., Ertürk Bozkurtoğlu Ş. N., Yonsel F.
JOURNAL OF ETA MARITIME SCIENCE, vol.5, no.3, pp.290-299, 2017 (Peer-Reviewed Journal)
- VI. **Balast suyu sözleşmesine doğru: Dünyada ve Ülkemizde son durum**
Bilgin Güney C., Yonsel F.
Deniz Endüstri Dergisi, vol.21, pp.32-36, 2011 (Non Peer-Reviewed Journal)
- VII. **Karma bir balast suyu arıtım sistemi ve elektrokimyasal teknoloji**
Bilgin Güney C., Yonsel F.
İTÜ Dergisi/e Su Kirlenmesi Kontrolü, no.21, pp.57-68, 2011 (Peer-Reviewed Journal)
- VIII. **Gemi İnşa Sektörünün Çevresel Sorumluluğu: Sintine ve Balast Suları**
Bilgin Güney C., Yonsel F.
Gemi ve Deniz Teknolojisi, no.177, 2008 (Peer-Reviewed Journal)
- IX. **Gemi Kaynaklı Atık Suların Çevresel Etkileri**
Bilgin Güney C., Yonsel F.
TMMOB, Ölçü Dergisi, pp.163-0, 2007 (Non Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **A Conceptual Ballast Tank Design for Reducing Sediment Accumulation**
ERTÜRK BOZKURTOĞLU Ş. N., BİLGİN GÜNEY C., DANIŞMAN D. B.
International Symposium on Ballast Water and Biofouling Management in IAS Prevention and Control, Antalya, Turkey, 28 - 30 November 2023, pp.72-75
- II. **ASSESSMENT OF UV AND ELECTROCHEMICAL BALLAST WATER TREATMENT SYSTEMS BY THE EXPERT SEAFARERS' EXPERIENCES**
YILMAZ M., BİLGİN GÜNEY C.
International Symposium on Ballast Water and Biofouling Management in Invasion Alien Species Prevention and Control, Antalya, Turkey, 28 November 2023
- III. **Ballast Sediment Problem and Solution Approaches**
BİLGİN GÜNEY C.
INT-NAM 2023 4th International Naval Architecture and Maritime Symposium, İstanbul, Turkey, 11 - 13 October 2023
- IV. **Determination of Sediment Distribution in a Lab-Scale Ballast Tank Model**
BİLGİN GÜNEY C., DANIŞMAN D. B., ERTÜRK BOZKURTOĞLU Ş. N., YONSEL F.
INT-NAM 2018 3rd International Symposium on Naval Architecture and Maritime, İstanbul, Turkey, 24 - 25 April 2018
- V. **Another Challenge: Sediments of the Ballast Tanks**
BİLGİN GÜNEY C., ERTÜRK BOZKURTOĞLU Ş. N., DANIŞMAN D. B., YONSEL F.
1st International Congress on Ship and Maritime Technology, (GMO-SHIPMAR 2016), İstanbul, Turkey, 8 - 09 December 2016
- VI. **Bacillus subtilis KUEN 1581 in oil degradation at sea or brackish estuary waters**
Yonsel F., Bilgin Güney C., Şahin T.
(PUL 2014) Green Ship, Sustainable Port and the Marine Environment, İstanbul, Turkey, 21 - 23 October 2014, vol.1, pp.41-45
- VII. **A Neural Network Application for a Ballast Water Electrochlorination System**
YONSEL F., BİLGİN GÜNEY C., DANIŞMAN D. B.
MASEAP 2013- Mediterranean Scientific Association of Environmental Protection, 28 September - 01 October 2013
- VIII. **Sustainable Ballast Water Management Plant**
Yonsel F., Bilgin Güney C.
Joint Workshop on Technologies to Reduce Risks in Shipping, İstanbul, Turkey, 03 May 2013, vol.1, pp.92-100
- IX. **Lab-Scale Chlorine Generation**

BİLGİN GÜNEY C., YONSEL F.

Global R D Forum and Exhibition on Ballast Water Management, İstanbul, Turkey, 26 - 28 October 2011

- X. **EFFECTS OF AMMONIA ON ELECTROCHEMICAL CHLORINE GENERATION FOR BALLAST WATER TREATMENT**
Güney C. B., Yonsel F.
30th International Conference on Ocean, Offshore and Arctic Engineering, Rotterdam, Netherlands, 19 - 24 June 2011, pp.149-157
- XI. **Electrochemical chlorine generation applications for ballast water treatment**
Yonsel F., Bilgin Güney C.
Ship Design and Operation for Environmental Sustainability, London, England, 10 - 11 March 2010, pp.95-103
- XII. **Electrochemical chlorine generation applications for ballast water treatment**
YONSEL F., BİLGİN GÜNEY C.
International Conference on ship design and operation for environmental Sustainability, Londrina, Brazil, 10 - 11 March 2010
- XIII. **Oil Degradation in Marine or Estuary Waters with Bacillus subtilis**
Yonsel Ş., Yonsel F., Bilgin Güney C., Şahin T.
Bipog 3-Biotechnologies for improved production for oil and gas in The Gulf of Guinea, Abuja, Nigeria, 1 - 03 April 2009
- XIV. **Türkiye Deniz Bilgi Sistemi (DeBiSi) Yaklaşımı**
GÜNEY C., BİLGİN GÜNEY C., YONSEL F., ÇELİK R. N.
Gemi İnşaatı ve Deniz Teknolojisi Teknik Kongresi, İstanbul, Turkey, 24 - 25 November 2008, vol.1, pp.65-79
- XV. **Balast Suyu Arıtımında Alternatif Yöntemler**
BİLGİN GÜNEY C., YONSEL F.
Gemi İnşaatı ve Deniz Teknolojisi Teknik Kongresi, İstanbul, Turkey, 24 - 25 November 2008
- XVI. **Bacillus subtilis in oil degradation**
YONSEL F., BİLGİN GÜNEY C., Yanık T.
MWWWD IEMES 2006, 4 th International Conference on Marine Waste Discarges and Coastal Environment, Antalya, Turkey, 6 - 10 November 2006
- XVII. **Onboard electrochemically generation of disinfectant for ballast water treatment**
BİLGİN GÜNEY C., YONSEL F.
IMAM 2009-International Maritime Association of the Mediterranean, İstanbul, Turkey, 12 - 15 October 2009, vol.2, pp.815-821
- XVIII. **Diesel oil degradation in sea water**
Bilgin C., Yonsel E.
12th International Congress of the International Maritime Association of the Mediterranean, IMAM 2005 - Maritime Transportation and Exploitation of Ocean and Coastal Resources, Lisboa, Portugal, 26 - 30 September 2005, vol.2, pp.1697-1702
- XIX. **Diesel oil degradation in sea water**
BİLGİN GÜNEY C., YONSEL F.
IMAM 2005-12 th International Congress of the International Maritime Association of the Mediterranean, Lizbon, Portugal, 26 - 30 September 2005, vol.2, pp.1967-1702
- XX. **Motorinin Deniz Ortamında Biyolojik olarak parçalanması**
YONSEL F., BİLGİN GÜNEY C.
9. Endüstriyel Kirlenme Sempozyumu, İstanbul, Turkey, 2 - 04 June 2004
- XXI. **Diesel Oil Degredation in Salty Environment**
YONSEL F., BİLGİN GÜNEY C.
2nd Black Sea Basin Conference on Analytical Chemistry, İstanbul, Turkey, 14 - 17 September 2003
- XXII. **Biological oil degradation in marine Environment**
YONSEL F., BİLGİN GÜNEY C.
ISWA Word Environment Congress Exhibition-Appropriate Environmental and solid waste management and technologies for developing countries, İstanbul, Turkey, 8 - 12 July 2002, vol.3, pp.205-210

XXIII. İstinye Deresinin İstanbul Boğazına Taşdığı Kirlilik

YONSEL F., BİLGİN GÜNEY C., GÜLŞEN C.

UKMK-IV Dördüncü Ulusal Kimya Mühendisliği Kongresi, İstanbul, Turkey, 4 - 07 September 2000

XXIV. İstinye Koyu ve İstanbul Bogazına Taşınan Kirlilik

Yonsel F., Bilgin Güney C., Gülşen C.

I. Ulusal Deniz Bilimleri Konferansı, 30 Mayıs-2 Haziran 2000, ODTÜ, İstanbul, Turkey, 30 May - 02 June 2000, pp.86-87

Supported Projects

Bilgin Güney C., Project Supported by Higher Education Institutions, Balast Tanklarında Sediman Birikimini Azaltacak Pnömatik Temizleme Sistemi Optimizasyonu, 2018 - 2021

Bilgin Güney C., TUBITAK Project, Sediman Birikimini Azaltacak Balast Tankı Tasarımı, 2015 - 2018

Bilgin Güney C., Project Supported by Higher Education Institutions, Balast Suyu Arıtımında Klorun elektrokimyasla Yöntemle Üretimine Amonyagın Etkileri, 2011 - 2018

Bilgin Güney C., EU Framework Program Project, Sustainable Ballast Water Management Plant-BaWaPla, 2006 - 2010

Bilgin Güney C., EU Framework Program Project, Multiparametric in situ spectroscopic measuring platform for coastal monitoring- MISPEC, 2001 - 2004

Scientific Refereeing

Ocean Engineering, SCI Journal, January 2017

Sigma Journal of Engineering and Natural Sciences, National Scientific Refreed Journal, July 2016

Journal Of Engineering for the Maritime Environment, SCI Journal, November 2013

Scientific Research / Working Group Memberships

Deniz Ortamında Temiz Teknoloji Uygulamaları Çalışma Grubu, İSTANBUL TEKNİK ÜNİVERSİTESİ, Turkey, <https://calismagruplari.itu.edu.tr/>, 2015 - Continues

Metrics

Publication: 39

Citation (WoS): 12

Citation (Scopus): 19

H-Index (WoS): 3

H-Index (Scopus): 3