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Personal Information

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International Researcher IDs
ScholarID: erturksaf
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Publons / Web Of Science ResearcherID: P-7545-2017
ScopusID: 55519788000
Yoksis Researcher ID: 151644

Education Information

Doctorate, University of New Hampshire, Graduate School, Mechanical Engineering, United States Of America 1997 - 2000
Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Gemi Ve Deniz Teknolojisi Mühendisliği (Dr), Turkey 1993 - 1995
Undergraduate, Istanbul Technical University, Gemi İnşaatı ve Deniz Bilimleri, Gemi Ve Deniz Teknolojisi Mühendisliği, Turkey 1989 - 1993

Foreign Languages

English

Dissertations

Doctorate, Modeling the Friction Effects of Eelgrass on the Tidal Flow in Great Bay, NH, University Of New Hampshire, Mechanical Engineering, 2000
Postgraduate, Mesh Generation for the Ship-WaveProblem, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Gemi Ve Deniz Teknolojisi Mühendisliği (Dr), 1995

Research Areas

Marine Sciences and Technology, Engineering and Technology

Academic Titles / Tasks

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

Assistant Professor, Istanbul Technical University, Gemi İnşaatı ve Deniz Bilimleri, Gemi Ve Deniz Teknolojisi Mühendisliği, 2002 - 2018
Research Assistant, Istanbul Technical University, Gemi İnşaatı ve Deniz Bilimleri, Gemi Ve Deniz Teknolojisi Mühendisliği, 2000 - 2002
Research Assistant, University of New Hampshire, Graduate School, Mechanical Engineering, 1997 - 2000
Research Assistant, Istanbul Technical University, Gemi İnşaatı ve Deniz Bilimleri, Gemi Ve Deniz Teknolojisi Mühendisliği, 1994 - 1997

Academic and Administrative Experience

İstanbul Teknik Üniversitesi, Rektörlük, Gemi Ve Deniz Teknolojisi Mühendisliği, 2009 - Continues
İstanbul Teknik Üniversitesi, Gemi İnşaatı Ve Deniz Bilimleri Fakültesi, Gemi Ve Deniz Teknolojisi Mühendisliği Bölümü, 2011 - 2012
Deputy Head of Department, Istanbul Technical University, Gemi İnşaatı ve Deniz Bilimleri, Gemi Ve Deniz Teknolojisi Mühendisliği, 2005 - 2009
Vice Dean, Istanbul Technical University, Gemi İnşaatı ve Deniz Bilimleri, 2002 - 2005

Courses

WAVE MECHANICS, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021
Oil Spill Modeling , Analysis and Response Techniques, Postgraduate, 2022 - 2023, 2017 - 2018
FLUID MECHANICS, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2005 - 2006, 2004 - 2005
DYNAMICS OF OCEAN WAVES, Postgraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016
MARINE ENERGY TECHNOLOGY, Undergraduate, 2020 - 2021, 2019 - 2020
GRADUATION PROJECT, Undergraduate, 2019 - 2020, 2018 - 2019, 2016 - 2017, 2014 - 2015, 2012 - 2013, 2011 - 2012, 2009 - 2010, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003
WAVE MECHANICS, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015
Special Topics in Shipbuilding & Ocean Engineering, Doctorate, 2016 - 2017
DYNAMICS OF OCEAN WAVES, Doctorate, 2014 - 2015
FLUID MECHANICS, Undergraduate, 2015 - 2016
COASTAL STRUCTURES, Undergraduate, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2006 - 2007
WAVE MECHANICS, Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004
INTRODUCTION TO THE ANALYSIS OF OCEANOGRAPHIC DATA, Undergraduate, 2013 - 2014, 2004 - 2005

Advising Theses

Ertürk Bozkurtoğlu Ş. N., Hydrodynamic Behaviour of Desalination Brine Discharges in the Marine Environment, Doctorate, B.Baş(Student), 2015
Ertürk Bozkurtoğlu Ş. N., Numerical Analysis of Heat Conduction and Potential Flow Problems Over a Sphere and a 3-Dimensional Prolate Spheroidal Body, Postgraduate, O.Ölmez(Student), 2008
Ertürk Bozkurtoğlu Ş. N., Numerical Modeling of Oil Spill Over the Sea Surface, Postgraduate, Ç.Akan(Student), 2007

Designed Lessons

Ertürk Bozkurtoğlu Ş. N., Introduction to the Analysis of Oceanopgraphic Data, Undergraduate, 2004 - 2005

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Reduction of ballast tank sediment: Evaluating the effect of minor structural changes and developing a pneumatic cleaning system**
Guney C., Danışman D. B., Bozkurtoglu Ş. N.
OCEAN ENGINEERING, vol.203, 2020 (SCI-Expanded)

II. **DETERMINATION OF SEDIMENT ACCUMULATION PATTERN IN A DOUBLE BOTTOM BALLAST TANK MODEL**
Bilgin Güney C., Danışman D. B., Ertürk Bozkurtoğlu Ş. N., Yonsel F.
BRODOGRADNJA, vol.69, no.2, pp.55-67, 2018 (SCI-Expanded)

III. **Modeling oil spill trajectory in Bosphorus for contingency planning**
Bozkurtoğlu Ş. N.
Marine Pollution Bulletin, vol.123, pp.57-72, 2017 (SCI-Expanded)

IV. **EFFECT OF WAVE DIRECTION ON DISCHARGED BRINE DILUTION**
Baş B., Kabdaşlı M. S., BOZKURTOGLU S. N. E., Seker D. Z.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.21, pp.3093-3100, 2012 (SCI-Expanded)

V. **Simulation of Great Bay Estuarine System: Tides with tidal flats wetting and drying**
Ertürk Bozkurtoğlu Ş. N., Bilgili A., Swift M. R., Brown W. S., Çelikkol B., Ip J. T., Lynch D. R.
JOURNAL OF GEOPHYSICAL RESEARCH-OCEANS, vol.107, no.5, pp.1-11, 2002 (SCI-Expanded)

Articles Published in Other Journals

I. **Bir balast tankı modelinde sediman birikimi açısından kritik bölgelerin tespiti**
Bilgin Güney C., Danışman D. B., Ertürk Bozkurtoğlu Ş. N., Yonsel F.
JOURNAL OF ETA MARITIME SCIENCE, vol.5, no.3, pp.290-299, 2017 (Peer-Reviewed Journal)

Books & Book Chapters

I. **Modeling tidal flow in the Great Bay Estuary, New Hampshire, using a depth averaged flooding-dewatering model with application to the bed load transport of coarse sediments**
Bilgili A., Ip J., Swift M., Ertürk Bozkurtoğlu Ş. N., Lynch D., Çelikkol B., Brown W.
in: Advances in Fluid Mechanics III, Rahman M., Brebbia C.A., Editor, WIT Press , Boston, pp.569-581, 2000

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. **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

III. **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

IV. **An experimental study on brine disposal under wave conditions**
Bas B., Bozkurtoglu Ş. N., Kabdasli S.
14th International Congress of the International-Maritime-Association-of-the-Mediterranean (IMAM), Genoa, Italy, 13 - 16 September 2011, pp.1063-1067

V. **Brine Dilution under Codirectional Wave Attacks**
Baş B., Kabdaşlı M. S., Ertürk Bozkurtoğlu Ş. N., Şeker D. Z.
16th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region-MESAEP 2011, İyonya, Greece, 24 - 27 September 2011

VI. **Deniz Yüzeyinde Petrol Yayılımının Modellenmesi**
Akan Ç., Ertürk Bozkurtoğlu Ş. N.
Gemi İnşaatı ve Deniz Teknolojisi Teknik Kongresi, İstanbul, Turkey, 24 - 25 November 2008, pp.216-225

VII. **İTÜ Gemi İnşaatı ve Deniz Bil. Fakültesi'nde Eğitimde Yapılan Yenilikler ve Akreditasyon Süreci**
ERTÜRK BOZKURTOĞLU Ş. N., KORKUT E.
Gemi Mühendisliği ve Sanayimiz Sempozyumu, Turkey, 24 - 25 December 2004

VIII. **Importance of Naval Architecture and Marine Engineering Education and ABET Accreditation in Shipbuilding Industry**
Aldoğan A. İ., Ertürk Bozkurtoğlu Ş. N., Acar B.
IAME (International Association of Maritime Economists) Annual Conference 2004, İzmir, Turkey, 30 June - 02 July 2004, pp.456-465

IX. **An Application of the ADAM model for Pollution and oil spill Tracking in Bosphorus**
Ertürk Bozkurtoğlu Ş. N., Yonsel F.
ISWA Word Environment Congress & Exhibition, İstanbul, Turkey, 8 - 12 July 2002, vol.5, pp.2749-2756

X. **Modeling tidal flow in the Great Bay Estuary, New Hampshire, using a depth averaged flooding-dewatering model with application to the bed load transport of coarse sediments**
Bilgili A., Ip J., Swift M., Erturk Ş. N., Lynch D., Celikkol B., Brown W.
3rd International Conference on Advances in Fluid Mechanics, Montreal, Canada, 01 May 2000, vol.26, pp.569-581

XI. **Eigenvalues, Anisotropy and Edge Cracks**
Ertürk Bozkurtoğlu Ş. N., Dwyer J. F.
25th. Midwest Mechanics Conference, South Dakota, United States Of America, 21 - 24 September 1997

XII. **Dalga Direnci Hesabı İçin Gemi Yüzeyinin Otomatik Olarak Panellenmesi**
Ertürk Bozkurtoğlu Ş. N.
Gemi İnşaatı ve Deniz Teknolojisi Teknik Kongresi 1995, İstanbul, Turkey, 22 - 23 November 1995, pp.97-107

Supported Projects

Ertürk Bozkurtoğlu Ş. N., Project Supported by Higher Education Institutions, Yopun Suyun Deniz Ortamındaki Hidrodinamik Davranışının Belirlenmesi, 2011 - 2015

Ertürk Bozkurtoğlu Ş. N., Ergin S., Project Supported by Other Official Institutions, GEMİSYON İstanbul da Gemi Emisyonları Ölçümünde Hizmet Verecek Akredite Bir Laboratuvarın Geliştirilmesi ve BİT Destekli Eğitim Projesi İSTKA Projesi, 2013 - 2014

Ertürk Bozkurtoğlu Ş. N., Okay O., Okay O., Ergin S., Karacık B., TUBITAK Project, Petrol Döküntülerinin Deniz Ekosistemi ve Atık Sulardan Uzaklaştırılması İçin Yeni Bir Sorbent Üretimi ve Uygulaması, 2007 - 2010

Ertürk Bozkurtoğlu Ş. N., Project Supported by Other Official Institutions, İBB Projem İstanbul-İstanbul Boğazı nda Petrol Dökülmelerine Karşı Müdahale ve İyileştirme Planının Geliştirilmesi, 2007 - 2010

Ertürk Bozkurtoğlu Ş. N., Project Supported by Higher Education Institutions, Deniz Yüzeyinde Petrol Yayılımının Sayısal Olarak Modellenmesi, 2006 - 2007

Ertürk Bozkurtoğlu Ş. N., Project Supported by Higher Education Institutions, Gemi İnşaat ve Bilimleri Fakültesinin Akreditasyon sürecine geçesinin yapılması, 2001 - 2003

Metrics

Publication: 20
Citation (WoS): 23
Citation (Scopus): 36
H-Index (WoS): 3
H-Index (Scopus): 3

Congress and Symposium Activities

International Symposium on Ballast Water and Biofouling Management in IAS Prevention and Control, Attendee, Antalya, Turkey, 2023
INTERNATIONAL SYMPOSIUM on NAVAL ARCHITECTURE AND MARITIME, Attendee, İstanbul, Turkey, 2018
GMO SHIP-MAR 2016 1st International Congress on Ship and Marine Technology, Attendee, İstanbul, Turkey, 2016
16th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region, MESAEP, Attendee, Ioannina, Greece, 2011
14th International Congress of the International Maritime Association of the Mediterranean, IMAM, Attendee, Genoa, Italy, 2011
Gemi İnşaatı ve Deniz Teknolojisi Teknik Kongresi, Attendee, İstanbul, Turkey, 2008
Gemi Mühendisliği ve Sanayimiz Sempozyumu, Attendee, İstanbul, Turkey, 2004
IAME (International Association of Maritime Economists) Annual Conference, Attendee, İzmir, Turkey, 2004
ISWA 2002 World Environment Congress and Exhibition, Attendee, İstanbul, Turkey, 2002
3rd International Conference on Advances in Fluid Mechanics, Advances in Fluid Mechanics III, Attendee, Montreal, Canada, 2000
25th. Midwest Mechanics Conference, Attendee, South-Dakota, United States Of America, 1997
Gemi İnşaatı ve Deniz Teknolojisi Teknik Kongresi, Attendee, İstanbul, Turkey, 1995

Scholarships

Research Assistantship, University, 1997 - 2000

Non Academic Experience

Universita Degli Studi di Bologna, İtalya
University of New Hampshire