

Asst. Prof. Şafak Nur Ertürk Bozkurtoğlu

Personal Information

Office Phone: [+90 212 285 6382](tel:+902122856382)

Fax Phone: [+90 212 285 6454](tel:+902122856454)

Email: erturk@itu.edu.tr

Web: <https://avesis.itu.edu.tr/erturk>

Address: İTÜ Gemi İnşaatı ve Deniz Bilimleri Fakültesi 34469 Ayazağa İstanbul

Education Information

Doctorate, University Of New Hampshire, Graduate School, Mechanical Engineering, United States Of America 1997 - 2000

Post Graduate, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Gemi Ve Deniz Teknolojisi Mühendisliği (Dr), Turkey 1993 - 1995

Under Graduate, İstanbul Teknik Üniversitesi, Gemi İnşaatı Ve Deniz Bilimleri Fakültesi, Gemi Ve Deniz Teknolojisi Mühendisliği Bölümü, 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

Post Graduate, Mesh Generation for the Ship-Wave Problem, 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, İstanbul Teknik Üniversitesi, Gemi İnşaatı Ve Deniz Bilimleri Fakültesi, Gemi Ve Deniz Teknolojisi Mühendisliği Bölümü, 2018 - Continues

Assistant Professor, İstanbul Teknik Üniversitesi, Gemi İnşaatı Ve Deniz Bilimleri Fakültesi, Gemi Ve Deniz Teknolojisi Mühendisliği Bölümü, 2002 - 2018

Research Assistant, İstanbul Teknik Üniversitesi, Gemi İnşaatı Ve Deniz Bilimleri Fakültesi, Gemi Ve Deniz Teknolojisi Mühendisliği Bölümü, 2000 - 2002

Research Assistant, University Of New Hampshire, Graduate School, Mechanical Engineering, 1997 - 2000

Research Assistant, İstanbul Teknik Üniversitesi, Gemi İnşaatı Ve Deniz Bilimleri Fakültesi, Gemi Ve Deniz Teknolojisi Mühendisliği Bölümü, 1994 - 1997

Professional Experience

Rectorate Commissioner, İstanbul Teknik Üniversitesi, Rektörlük, Gemi Ve Deniz Teknolojisi Mühendisliği, 2009 - Continues

Deputy Head of Department, İstanbul Teknik Üniversitesi, Gemi İnşaatı Ve Deniz Bilimleri Fakültesi, Gemi Ve Deniz Teknolojisi Mühendisliği Bölümü, 2011 - 2012

Deputy Head of Department, İstanbul Teknik Üniversitesi, Gemi İnşaatı Ve Deniz Bilimleri Fakültesi, Gemi Ve Deniz Teknolojisi Mühendisliği Bölümü, 2005 - 2009

Vice Dean, İstanbul Teknik Üniversitesi, Gemi İnşaatı Ve Deniz Bilimleri Fakültesi, Gemi Ve Deniz Teknolojisi Mühendisliği Bölümü, 2002 - 2005

Courses

MARINE ENERGY TECHNOLOGY, Under Graduate, 2019 - 2020

FLUID MECHANICS, Under Graduate, 2004 - 2005, 2005 - 2006, 2008 - 2009, 2009 - 2010, 2010 - 2011, 2011 - 2012, 2012 - 2013, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020

DYNAMICS OF OCEAN WAVES, Post Graduate, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020

GRADUATION PROJECT, Under Graduate, 2002 - 2003, 2003 - 2004, 2004 - 2005, 2005 - 2006, 2009 - 2010, 2011 - 2012, 2012 - 2013, 2014 - 2015, 2016 - 2017, 2018 - 2019, 2019 - 2020

WAVE MECHANICS, Under Graduate, 2019 - 2020

WAVE MECHANICS, Under Graduate, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019

Oil Spill Modeling , Analysis and Response Techniques, Post Graduate, 2017 - 2018

Special Topics in Shipbuilding & Ocean Engineering, Doctorate, 2016 - 2017

DYNAMICS OF OCEAN WAVES, Doctorate, 2014 - 2015

FLUID MECHANICS, Under Graduate, 2015 - 2016

COASTAL STRUCTURES, Under Graduate, 2006 - 2007, 2009 - 2010, 2010 - 2011, 2011 - 2012, 2012 - 2013, 2013 - 2014, 2014 - 2015

WAVE MECHANICS, Under Graduate, 2003 - 2004, 2004 - 2005, 2005 - 2006, 2006 - 2007, 2008 - 2009, 2009 - 2010, 2010 - 2011, 2011 - 2012, 2012 - 2013, 2013 - 2014

INTRODUCTION TO THE ANALYSIS OF OCEANOGRAPHIC DATA, Under Graduate, 2004 - 2005, 2013 - 2014

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, Post Graduate, O.Ölmez(Student), 2008

Ertürk Bozkurtoğlu Ş. N. , Numerical Modeling of Oil Spill Over the Sea Surface, Post Graduate, Ç.Akan(Student), 2007

Jury Memberships

Doctorate, Experimental and Numerical Approach for PAH Accumulation and Depuration Kinetics; a Food Chain Study with Marine Algae and Mussels, İTÜ-Fen Bilimleri Enstitüsü, June, 2013

Doctorate, İstanbul ve Çanakkale Boğazlarında Akıntı Rejimi, Su Kütlesi Değişimi ve Kontrol Mekanizmaları , İstanbul Üniversitesi- Deniz Bilimleri Enstitüsü, July, 2009

Doctorate, Marmara Denizi Haliç ve Körfezlerinin Hidrodinamik Yapısı, İstanbul Üniversitesi- Deniz Bilimleri Enstitüsü, July, 2008

Designed Lessons

Ertürk Bozkurtoğlu Ş. N. , Introduction to the Analysis of Oceanographic Data, Under Graduate, 2004 - 2005

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **Reduction of ballast tank sediment: Evaluating the effect of minor structural changes and developing a pneumatic cleaning system**
Güney C. B. , Danişman D. B. , Bozkurtoğlu Ş. N.
OCEAN ENGINEERING, vol.203, 2020 (Journal Indexed in SCI)
- **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, pp.55-67, 2018 (Journal Indexed in SCI)
- **Modeling oil spill trajectory in Bosphorus for contingency planning**
Bozkurtoğlu Ş. N.
Marine Pollution Bulletin, vol.123, pp.57-72, 2017 (Journal Indexed in SCI Expanded)
- **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 (Journal Indexed in SCI)
- **Simulation of the Great Bay Estuarine System: Tides with tidal flats wetting and drying**
Erturk S., Bilgili A., SWIFT M., BROWN W., CELIKKOL B., IP J., LYNCH D.
JOURNAL OF GEOPHYSICAL RESEARCH-OCEANS, vol.107, 2002 (Journal Indexed in SCI)

Articles Published in Other Journals

- **Bir balast tankı modelinde sediman birikimi açısından kritik bölgelerin tespiti**
Bilgin Güney C., Danişman D. B. , Ertürk Bozkurtoğlu Ş. N. , Yonsel F.
JOURNAL OF ETA MARİTİME SCİENCE, vol.5, pp.290-299, 2017 (National Refreed University Journal)

Books & Book Chapters

- **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., İp 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

- **Determination of Sediment Distribution in a Lab-Scale Ballast Tank Model**
Bilgin Güney C., Danişman D. B. , Ertürk Bozkurtoğlu Ş. N. , Yonsel F.
3rd International Symposium on Naval Architecture and Maritime, İstanbul, Turkey, 23 - 25 April 2018
- **Another Challenge: Sediments of the Ballast Tanks**
Bilgin Güney C., Ertürk Bozkurtoğlu Ş. N. , Danişman D. B. , Yonsel F.
1st International Congress on Ship and Marine Technology-GMO Shipmar, İstanbul, Turkey, 8 - 09 December 2016, pp.647-657
- **An experimental study on brine disposal under wave conditions**
Bas B., Bozkurtoğlu 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

● **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

● **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

● **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

● **An Application of the ADAM model for Pollution and oil spill Tracking in Bosphorus**

Ertürk Bozkurtoğlu Ş. N. , Yonsel F.

ISWA World Environment Congress & Exhibition, İstanbul, Turkey, 8 - 12 July 2002, vol.5, pp.2749-2756

● **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

● **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

● **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. , Bilgin Güney C., Danışman D. B. , Yonsel F., TUBITAK Project, Sediman Birikimini Azaltacak Balast Tankı Tasarımı, 2016 - 2018

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

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

Activities in Scientific Journals

The Journal of Ocean Technology, Committee Member, 2020 - Continues

Memberships / Tasks in Scientific Organizations

Member, 1993 - Continues

Scientific Refereeing

THE JOURNAL OF OCEAN TECHNOLOGY (JOT), Other Indexed Journal, April 2020
OCEAN & COASTAL MANAGEMENT, Journal Indexed in SCI-E, April 2020
THE JOURNAL OF OCEAN TECHNOLOGY (JOT), Other Indexed Journal, January 2020
PAMUKKALE ÜNİVERSİTESİ MÜHENDİSLİK BİLİMLERİ DERGİSİ, National Scientific Refreed Journal, November 2019
OCEAN & COASTAL MANAGEMENT, Journal Indexed in SCI-E, April 2019
MARINE POLLUTION BULLETIN, SCI Journal, February 2019
OCEAN ENGINEERING, SCI Journal, January 2019
SCIENCE OF THE TOTAL ENVIRONMENT, SCI Journal, January 2019
MARINE POLLUTION BULLETIN, SCI Journal, December 2018
OCEAN & COASTAL MANAGEMENT, SCI Journal, August 2018
Thalassas: An International Journal of Marine Sciences, SCI Journal, August 2018
OCEAN MODELLING, SCI Journal, July 2018
OCEAN & COASTAL MANAGEMENT, SCI Journal, June 2018
Pamukkale Üniversitesi Mühendislik Bilimleri Dergisi, National Scientific Refreed Journal, February 2017
Journal of Ocean Engineering and Marine Energy, Other Indexed Journal, March 2016
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Istanbul University, Turkey, April 2015
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Inonu University, Turkey, April 2015
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Karadeniz Technical University, Turkey, April 2015
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Karadeniz Technical University, Turkey, April 2015
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Adiyaman University, Turkey, April 2015
OCEAN ENGINEERING, SCI Journal, November 2014
THE JOURNAL OF OCEAN TECHNOLOGY (JOT), Other Indexed Journal, August 2013
Ocean Engineering, SCI Journal, August 2007

Tasks In Event Organizations

Ertürk Bozkurtoğlu Ş. N. , Baydoğan N., Kızılcan N., MULTI-SCALE SELF-HEALING NANOCOMPOSITE SHIELDING MATERIAL, Scientific Congress, İstanbul, Turkey, Şubat 2018

Scientific Research / Working Group Memberships

Deniz Teknolojisinde Güvenlik ve Risk Değerlendirmeleri, İSTANBUL TEKNİK ÜNİVERSİTESİ, Turkey, <https://calismagruplari.itu.edu.tr/>, 2013 - 2017
Deniz Teknolojileri, İSTANBUL TEKNİK ÜNİVERSİTESİ, Turkey, <https://calismagruplari.itu.edu.tr/gemi-i-n%C5%9Faat-fak%C3%BCitesi/dentek>, 2013 - 2017

Mobility Activity

Improving Competencies and Qualifications, Guest Researcher, Università Degli Studi di Bologna, Italy, 2006 - 2006

Invited Congress and Symposium Activities

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
14th International Congress of the International Maritime Association of the Mediterranean, IMAM, Attendee, Genoa, Italy, 2011
16th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region, MESAEP, Attendee, Ioannina, Greece, 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

Citations

Total Citations (WOS):27
h-index (WOS):2

Scholarships

Research Assistantship, University, 1997 - 2000