

Asst. Prof. Deniz Bayraktar Bural

Personal Information

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International Researcher IDs

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ORCID: 0000-0002-4541-9089

Publons / Web Of Science ResearcherID: D-6154-2013

ScopusID: 57195328776

Yoksis Researcher ID: 151645

Education Information

Post Doctorate, Danmarks Tekniske Universitet (Technical University of Denmark), Makine Mühendisliği, Denmark 2015 - 2016

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Turkey 2007 - 2012

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Turkey 2005 - 2007

Undergraduate, Istanbul Technical University, Gemi İnşaatı Ve Deniz Bilimleri Fakültesi, Turkey 2001 - 2005

Foreign Languages

English, C1 Advanced

Dissertations

Postgraduate, Demirleme Sistemi Hareketlerinin İncelenmesi Ve Sayısal Çözüm Yöntemleri, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Gemi Ve Deniz Teknolojisi Mühendisliği, 2017

Doctorate, Numerical Simulations of Waves Generated By Moving Pressure Fields, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Gemi Ve Deniz Teknolojisi Mühendisliği, 2012

Research Areas

Technical Sciences, Marine Sciences and Technology, Naval Architecture and Marine Engineering

Academic Titles / Tasks

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

Courses

Mathematical Methods in Engineering, Postgraduate, 2020 - 2021
Sayısal Yöntemler, Undergraduate, 2020 - 2021
Akademik Danışmanlık, Undergraduate, 2019 - 2020
Oceanography, Undergraduate, 2017 - 2018
Intr. to Sci. & Eng.Computing (MATLAB), Undergraduate, 2017 - 2018
Gemi Direnci, Undergraduate, 2013 - 2014
Gemi Sevki, Undergraduate, 2013 - 2014

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Experimental and numerical study of wave-induced backfilling beneath submarine pipelines**
Bayraktar Bural D., Ahmad J., Larsen B. E., Carstensen S., Fuhrman D. R.
Coastal Engineering, vol.118, pp.63-75, 2016 (SCI-Expanded)
- II. **Numerical simulation of waves generated by a moving pressure field**
Ersan D., Beji S.
OCEAN ENGINEERING, vol.59, pp.231-239, 2013 (SCI-Expanded)

Articles Published in Other Journals

- I. **Deniz Dibi Borularının Altında Dalga Nedeniyle Meydana Gelen Oyulma**
BAYRAKTAR BURAL D., sağlam s.
GİDB Dergi, no.16, pp.29, 2019 (Peer-Reviewed Journal)
- II. **Hareket Eden Yarımküre Şeklinde Bir Cismin Oluşturduğu Dalgaların Sayısal Olarak Modellenmesi**
Bayraktar Bural D., Beji S.
Gemi ve Deniz Teknolojisi, pp.6-11, 2013 (Peer-Reviewed Journal)
- III. **DÖRT NOKTADAN SİMETRİK OLARAK BAĞLANMIŞ FARKLI ÖZELLİKTEKİ SİLİNDİRİK DUBALARIN İNCELENMESİ**
Bayraktar Bural D., Kükner A.
Gemi ve Deniz Teknolojisi, no.175, pp.18-21, 2008 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Numerical Modeling of Waves Acting On a Pile**
Bal K., BAYRAKTAR BURAL D., BEJİ S.
International Graduate Research Symposium, 01 June 2022
- II. **Numerical Study of an Overtopping Wave Energy Converter**
BAYRAKTAR BURAL D.
The 34th Asian-Pacific Technical Exchange and Advisory Meeting on Marine Structures, 06 December 2021
- III. **Numerical Modeling of Wave Induced Scour Around a MONOpile**
Sürücü B., BAYRAKTAR BURAL D.
International Graduate Research Symposium, 01 June 2022
- IV. **Numerical Simulation of Wave Run-up Over A sloping Bottom**
Öz B., BEJİ S., BAYRAKTAR BURAL D.
International Graduate Research Symposium, 01 June 2022
- V. **Numerical study of an overtopping wave energy converter**
Bayraktar Bural D.
The 34th Asian-Pacific Technical Exchange and Advisory Meeting on Marine Structures, İstanbul, Turkey, 6 - 08 December 2021, pp.336-343

- VI. **Çeken Akıntılarının Oluşumlarındaki Temel Mekanizmaların Açıklanması**
BAYRAKTAR BURAL D., BARLAS B., BEJİ S.
Suda Boğulmalar ve Çeken (RİP) Akıntılar Çalıştayı 2019, 29 April - 30 July 2019
- VII. **Experimental and Numerical Study of Wave-Induced Backfilling Beneath Submarine Pipelines**
BAYRAKTAR BURAL D., Ahmad J., eltarð larsen b., Carstensen S., Fuhrman D. R.
35th International Conference on Coastal Engineering (ICCE), 17 - 20 November 2016
- VIII. **Hareket Eden Bir Basınç Alanının Oluşturduğu Dalgaların Sayısal Olarak Modellenmesi**
BAYRAKTAR BURAL D., Beji S.
Kıyı Mühendisliği Sempozyumu, Turkey, 7 - 09 November 2014
- IX. **HAREKET EDEN YARIMKÜRE ŞEKLİNDEKİ BİR CİSMİN OLUŞTURDUĞU DALGALARIN SAYISAL OLARAK MODELLENMESİ**
BAYRAKTAR BURAL D., Beji S.
Gemi İnşaatı ve Deniz Teknolojisi Teknik Kongresi, Turkey, 13 - 14 December 2012
- X. **Water waves generated by moving pressure fields**
Ersan D., Beji S.
22nd International Offshore and Polar Engineering Conference, ISOPE-2012, Rhodes, Greece, 17 - 22 June 2012, pp.638-642
- XI. **A new numerical scheme for improved businnesque equations with surface pressure**
Bayraktar D., Beji S.
14th International Congress of the International Maritime Association of the Mediterranean, IMAM 2011, Genoa, Italy, 13 - 16 September 2011, vol.2, pp.847-854
- XII. **Responses of multi point mooring systems under the influence of different sea conditions**
Bayraktar D., Kükner A.
18th 2008 International Offshore and Polar Engineering Conference, ISOPE 2008, Vancouver, Canada, 6 - 11 July 2008, pp.282-288
- XIII. **Influence of Damping On the Roll Motion of Ships**
PEŞMAN E., BAYRAKTAR BURAL D., TAYLAN M.
2nd International Conference on Marine Research and Transportation, 28 - 30 June 2007

Scientific Refereeing

Ocean Engineering, SCI Journal, May 2018
Ocean Engineering, SCI Journal, August 2015

Metrics

Publication: 18
Citation (WoS): 24
Citation (Scopus): 32
H-Index (WoS): 2
H-Index (Scopus): 2

Congress and Symposium Activities

International Conference on Coastal Engineering, Attendee, Antalya, Turkey, 2016
İnşaat Mühendisleri Odası 8. Kıyı Mühendisliği Sempozyumu, Attendee, İstanbul, Turkey, 2014
10. Gemi İnşaatı ve Deniz Teknolojisi Teknik Kongresi, Attendee, İstanbul, Turkey, 2012
International Society of Offshore and Polar Engineers, Attendee, Rodos, Greece, 2012

International Maritime Association of the Meditterreanean, Attendee, Genoa, Italy, 2011

International Society of Offshore and Polar Engineers, Attendee, Vancouver, Canada, 2008

International Conference On Marine Research and Transportation, Attendee, Naples, Italy, 2007

Non Academic Experience

Technical University of Denmark

Technical University of Denmark

CHT Denizcilik