



ŞAKIR BAL

PROF.

Email : sbal@itu.edu.tr

Office Phone : [+90 212 285 6485](tel:+902122856485)

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

Address : İstanbul Teknik Üniversitesi, Gemi İnşaatı ve Deniz Bilimleri Fakültesi, Ayazağa Kampüsü, Maslak-Sarıyer, İstanbul

International Researcher IDs

ScholarID: ySnlZMEAAAAJ

ORCID: 0000-0001-8688-8482

Publons / Web Of Science ResearcherID: F-5939-2014

ScopusID: 7004415168

Yoksis Researcher ID: 4512



Learning Knowledge

Post Doctorate 1998 - 1999	The University of Texas at Austin, Civil Engineering, United States Of America
Doctorate 1990 - 1996	Istanbul Technical University, Gemi İnşaatı Ve Deniz Bilimleri Fakültesi, Gemi İnşaatı Ve Gemi Makineleri Mühendisliği Bölümü, Turkey
Postgraduate 1988 - 1990	Istanbul Technical University, Gemi İnşaatı Ve Deniz Bilimleri Fakültesi, Gemi İnşaatı Ve Gemi Makineleri Mühendisliği Bölümü, Turkey
Undergraduate 1984 - 1988	Istanbul Technical University, Gemi İnşaatı Ve Deniz Bilimleri Fakültesi, Gemi İnşaatı Ve Gemi Makineleri Mühendisliği Bölümü, Turkey

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Serbest Su Yüzeyi Altında İlerleyen Üç Boyutlu Hidrofoillerin Hidrodinamik Analizi, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Gemi Hidromekanikliği Abd, 1996

Postgraduate, Gemi dalga direncinin kaynak-panel yöntemiyle sayısal hesabı, İstanbul Teknik Üniversitesi, Gemi İnşaatı Ve Deniz Bilimleri Fakültesi, Gemi İnşaatı Ve Gemi Makineleri Mühendisliği Bölümü, 1990

Academic Titles / Tasks

Professor 2009 - Continues	Istanbul Technical University, Gemi İnşaatı ve Deniz Bilimleri, Gemi İnşaatı Ve Gemi Makinaları Mühendisliği
Professor 2011 - 2011	Université de Liège, Engineering, Civil
Associate Professor 2000 - 2009	Istanbul Technical University, Gemi İnşaatı ve Deniz Bilimleri, Gemi İnşaatı Ve Gemi Makinaları Mühendisliği
Associate Professor 2005 - 2005	The University of Texas at Austin, Engineering, Civil
Assistant Professor 1998 - 2000	Istanbul Technical University, Gemi İnşaatı ve Deniz Bilimleri, Gemi İnşaatı Ve Gemi Makinaları Mühendisliği

Supported Projects

1. Bal Ş., Project Supported by Higher Education Institutions, Sayısal Çekme Tankı İçerisinde Su Yüzeyini Yırtan Cisimler İçin Bir Panel Yöntemi, 2007 - 2018
2. Bal Ş., Project Supported by Higher Education Institutions, Sayısal Çekme Tankı İçerisinde Kavite Yapan Hidrofoil için İteratif Bir Panel Yönetimi, 2006 - 2018
3. Bal Ş., Project Supported by Higher Education Institutions, Tek ve Çift Gövdeli Deplasman Tipi Gemilerin Manevra Katsayılarının Deneysel ve Sayısal Olarak Tayini, 2016 - 2017
4. Bal Ş., Project Supported by Higher Education Institutions, Sualtı Akıntı Türbini Kanat Kesitlerinin Süperkavite Özelliğinin Sayısal İncelenmesi, 2016 - 2016
5. Bal Ş., Project Supported by Higher Education Institutions, Deneysel Gemi Direncinin Belirsizlik Analizi, 2014 - 2015
6. Bal Ş., Project Supported by Higher Education Institutions, Sualtı Akıntı Türbinlerinin Hidrodinamik Tasarımı, 2011 - 2015
7. Bal Ş., Project Supported by Higher Education Institutions, Sayısal Bir Yöntem ile Podlu Pervane Analizi, 2007 - 2009
8. Bal Ş., Project Supported by Higher Education Institutions, Yüksek Mertebeden Potansiyel Bir Panel Yönetimi ile İki Boyutlu Hidrofillerin Hesabı, 1998 - 2001

Awards

1. Bal Ş., Award for Most Published Articles , Istanbul Technical University, May 2023
2. Çalkıvık E. A., Bal Ş., Akademik Performans Ödülü, İstanbul Teknik Üniversitesi, May 2022
3. Bal Ş., Alaçam S., 2021 Yılı Yayın Ödülü, İstanbul Teknik Üniversitesi, May 2022
4. Bal Ş., Certificate of Outstanding Contribution in Reviewing (Applied Ocean Research), Elsevier Publ., October 2018

Jury Memberships

Doctorate, Doctorate, Istanbul Technical University, May, 2022

Post Graduate, External Reviewer, University of Strathclyde, Glasgow, October, 2018

Doctorate, PhD Thesis Examiner, University of Tasmania, Australian Maritime College, May, 2018

Doctorate, Doktora Tez Jüri Üyeliđi, Yıldız Teknik Üniversitesi, May, 2018

Doctorate, Doktora Tez Jüri Üyeliđi, Yıldız Teknik Üniversitesi, April, 2018

Doctorate, Doktora Tez Savunma Jüri Üyesi, İstanbul Teknik Üniversitesi, June, 2017

Post Graduate, Y. Lisans Tez Savunma Jürisi, İstanbul Teknik Üniversitesi, June, 2017

Doctoral Examination, Doktora Yeterlik Jürisi Üyesi, İstanbul Teknik Üniversitesi, May, 2017

Post Graduate, Y. Lisans Tez Savunma Jürisi, İstanbul Teknik Üniversitesi, December, 2016

Post Graduate, Y. Lisans Tez Savunma Jürisi, Yıldız Teknik Üniversitesi, June, 2016

Doctoral Examination, Doktora Yeterlik Jürisi Üyesi, Yıldız Teknik Üniversitesi, June, 2016

Doctoral Examination, Doktora Yeterlik Jürisi Üyesi, İstanbul Teknik Üniversitesi, June, 2016

Doctorate, Doktora Tez Savunma Jüri Üyesi, İstanbul Teknik Üniversitesi, May, 2016

Post Graduate, Y. Lisans Tez Savunma Jürisi, Yıldız Teknik Üniversitesi, January, 2016

Doctoral Examination, Doktora Yeterlik Jürisi Üyesi, İstanbul teknik Üniversitesi, December, 2015

Associate Professor Exam, ÜAK Doçentlik Ünvanı Yedek Jüri Üyesi, İstanbul Teknik Üniversitesi, June, 2015

Post Graduate, Y. Lisans Tez Savunma Jürisi, İstanbul Teknik Üniversitesi, June, 2015

Appointment to Academic Staff-Assistant Professorship, Y. Doç. Dr. Kadrosuna Atama Jürisi, Yıldız Teknik Üniversitesi, March, 2015

Doctoral Examination, Doktora Yeterlik Jürisi Üyesi, İstanbul teknik Üniversitesi, December, 2014

Appointment to Academic Staff-Assistant Professorship, Profesör Kadrosuna Atama Jürisi, Yıldız Teknik Üniversitesi, August, 2014

Doctoral Examination, Doktora Yeterlik Jürisi Üyesi, İstanbul Teknik Üniversitesi, June, 2014

Appointment to Academic Staff-Assistant Professorship, Profesör Kadrosuna Atama Jürisi, Gedik Üniversitesi, September, 2013

Doctoral Examination, Doktora Yeterlik Jürisi Üyesi, Yıldız Teknik Üniversitesi, June, 2013

Post Graduate, Y. Lisans Tez Savunma Jürisi, Yıldız Teknik Üniversitesi, June, 2013

Doctorate, Doktora Tez Savunma Jüri Üyesi, İstanbul Teknik Üniversitesi, June, 2013

Doctoral Examination, Doktora Yeterlik Jürisi Üyesi, İstanbul Teknik Üniversitesi, June, 2013

Post Graduate, Y. Lisans Tez Savunma Jürisi, İstanbul Teknik Üniversitesi, June, 2013

Doctorate, Doktora Tez Savunma Jüri Üyesi, Kocaeli Üniversitesi, May, 2013

Doctorate, Doktora Tez Savunma Jüri Üyesi, İstanbul teknik Üniversitesi, January, 2013

Doctoral Examination, Doktora Yeterlik Jürisi Üyesi, Yıldız Teknik Üniversitesi, December, 2012

Appointment to Academic Staff-Assistant Professorship, Y. Doç. Dr. Kadrosuna Atama Jürisi, Yıldız Teknik Üniversitesi, June, 2012

Doctoral Examination, Doktora Yeterlik Jürisi Üyesi, Yıldız Teknik Üniversitesi, June, 2012

Associate Professor Exam, YÖK ÜAK Doçentlik , YÖK ÜAK, June, 2012

Post Graduate, Y. Lisans Tez Savunma Jürisi, Yıldız Teknik Üniversitesi, June, 2011

Post Graduate, Y. Lisans Tez Savunma Jürisi, İstanbul Teknik Üniversitesi, June, 2011

Appointment to Academic Staff-Assistant Professorship, Profesör Kadrosuna Atama Jürisi, Yıldız Teknik Üniversitesi, April, 2011

Doctoral Examination, Doktora Yeterlik Jürisi Üyesi, İstanbul Teknik Üniversitesi, June, 2010

Post Graduate, Y. Lisans Tez Savunma Jürisi, Yıldız Teknik Üniversitesi, June, 2010

Doctoral Examination, Doktora Yeterlik Jürisi Üyesi, Yıldız Teknik Üniversitesi, June, 2010

Post Graduate, Y. Lisans Tez Savunma Jürisi, İstanbul teknik Üniversitesi, June, 2010

Post Graduate, Y. Lisans Tez Savunma Jürisi, Yıldız Teknik Üniversitesi, January, 2010

Post Graduate, Y. Lisans Tez Savunma Jürisi, İstanbul Teknik Üniversitesi, June, 2009

Doctorate, Doktora Tez Savunma Jüri Üyesi, Yıldız Teknik Üniversitesi, February, 2009

Doctoral Examination, Doktora Yeterlik Jürisi Üyesi, Yıldız Teknik Üniversitesi, June, 2005

Post Graduate, Y. Lisans Tez Savunma Jürisi, İstanbul teknik Üniversitesi, June, 2004

Appointment to Academic Staff-Assistant Professorship, Y. Doç. Dr. Kadrosuna Atama Jürisi, Yıldız Teknik Üniversitesi,

February, 2004

Post Graduate, Y. Lisans Tez Savunma Jurisi, İstanbul Teknik Üniversitesi, June, 2002

Published journal articles indexed by SCI, SSCI, and AHCI

1. **A comprehensive experimental investigation of total drag and wave height of ONR Tumblehome, including uncertainty analysis**
Delen C., Bal Ş.
Ocean Engineering, vol.284, 2023 (SCI-Expanded)
2. **Prediction of drag and lift forces of a high-speed vessel at full scale by CFD-based GEOSIM method**
CAN U., Bal Ş.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART M-JOURNAL OF ENGINEERING FOR THE MARITIME ENVIRONMENT, vol.236, no.4, pp.1082-1097, 2022 (SCI-Expanded)
3. **Turn and zigzag manoeuvres of Delft catamaran 372 using CFD-based system simulation method**
Duman S., Bal Ş.
OCEAN ENGINEERING, vol.264, 2022 (SCI-Expanded)
4. **Performance prediction of cavitating marine current turbine by BEMT based on CFD**
Karaalioğlu M. S., Bal Ş.
OCEAN ENGINEERING, vol.255, 2022 (SCI-Expanded)
5. **Prediction of Resistance and Self-Propulsion Characteristics of a Full-Scale Naval Ship by CFD-Based GEOSIM Method**
Delen C., CAN U., Bal Ş.
JOURNAL OF SHIP RESEARCH, vol.65, no.4, pp.346-361, 2021 (SCI-Expanded)
6. **Prediction of the acceleration and stopping manoeuvres of a bare hull surface combatant by closed-form solutions and CFD**
DUMAN S., Bal Ş.
OCEAN ENGINEERING, vol.235, 2021 (SCI-Expanded)
7. **Asymmetric ship maneuvering due to twisted rudder using system-based and direct CFD approaches**
Sukas O. F., Kınacı Ö. K., Bal Ş.
APPLIED OCEAN RESEARCH, vol.108, 2021 (SCI-Expanded)
8. **Effective wake estimation of KCS hull at full-scale by GEOSIM method based on CFD**
Can U., Delen C., Bal Ş.
Ocean Engineering, vol.218, 2020 (SCI-Expanded)
9. **A computational investigation of noise spectrum due to cavitating and non-cavitating propellers**
Sezen S., Bal Ş.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART M-JOURNAL OF ENGINEERING FOR THE MARITIME ENVIRONMENT, vol.234, no.2, pp.374-387, 2020 (SCI-Expanded)
10. **Computational and Empirical Investigation of Propeller Tip Vortex Cavitation Noise**
Sezen S., Bal Ş.
CHINA OCEAN ENGINEERING, vol.34, no.2, pp.232-244, 2020 (SCI-Expanded)
11. **Theoretical background and application of MANSIM for ship maneuvering simulations**
Sukas O. F., Kınacı Ö. K., Bal Ş.
Ocean Engineering, vol.192, 2019 (SCI-Expanded)
12. **TELFER'S GEOSIM METHOD REVISITED BY CFD**
Delen C., Bal Ş.
INTERNATIONAL JOURNAL OF MARITIME ENGINEERING, vol.161, 2019 (SCI-Expanded)
13. **A Practical Method for Propeller Noise**
Bal Ş., Soydan A.
Naval Architect, no.1, pp.50-51, 2019 (SCI-Expanded)
14. **A quick-responding technique for parameters of turning maneuver**

- DUMAN S., Bal Ş.
OCEAN ENGINEERING, vol.179, pp.189-201, 2019 (SCI-Expanded)
15. **System-based prediction of maneuvering performance of twin-propeller and twin-rudder ship using a modular mathematical model**
SUKAS O. F., KINACI Ö. K., Bal Ş.
APPLIED OCEAN RESEARCH, vol.84, pp.145-162, 2019 (SCI-Expanded)
16. **PREDICTION OF HYDRODYNAMIC PERFORMANCE OF 3-D WIG BY IBEM**
Bal Ş.
INTERNATIONAL JOURNAL OF MARITIME ENGINEERING, vol.160, 2018 (SCI-Expanded)
17. **Investigation of self-propulsion of DARPA Suboff by RANS method**
Sezen S., Doğrul A., Delen C., Bal Ş.
OCEAN ENGINEERING, vol.150, pp.258-271, 2018 (SCI-Expanded)
18. **Prediction of wave resistance by a Reynolds-averaged Navier-Stokes equation-based computational fluid dynamics approach**
Kinaci O. K., Sukas O. F., Bal Ş.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART M-JOURNAL OF ENGINEERING FOR THE MARITIME ENVIRONMENT, vol.230, no.3, pp.531-548, 2016 (SCI-Expanded)
19. **Cavitation simulation on horizontal axis marine current turbines**
Usar D., Bal S.
RENEWABLE ENERGY, vol.80, pp.15-25, 2015 (SCI-Expanded)
20. **Numerical simulation of flow around two- and three-dimensional partially cavitating hydrofoils**
ÇELİK F., ARIKAN ÖZDEN Y., Bal Ş.
OCEAN ENGINEERING, vol.78, pp.22-34, 2014 (SCI-Expanded)
21. **The Effect of Finite Depth on 2 D and 3 D Cavitating Hydrofoils**
Bal Ş.
Journal of Marine Science and Technology, vol.16, no.2, pp.129-142, 2011 (SCI-Expanded)
22. **The effect of finite depth on 2D and 3D cavitating hydrofoils**
Bal Ş.
JOURNAL OF MARINE SCIENCE AND TECHNOLOGY, vol.16, no.2, pp.129-142, 2011 (SCI-Expanded)
23. **A practical technique for improvement of open water propeller performance**
Bal S.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART M-JOURNAL OF ENGINEERING FOR THE MARITIME ENVIRONMENT, vol.225, pp.375-386, 2011 (SCI-Expanded)
24. **Performance analysis of podded propulsors**
Bal Ş., GÜNER M.
OCEAN ENGINEERING, vol.36, no.8, pp.556-563, 2009 (SCI-Expanded)
25. **Performance prediction of surface-piercing bodies in numerical towing tank**
Bal S.
INTERNATIONAL JOURNAL OF OFFSHORE AND POLAR ENGINEERING, vol.18, no.2, pp.106-111, 2008 (SCI-Expanded)
26. **Prediction of wave pattern and wave resistance of surface piercing bodies by a boundary element method**
Bal S.
INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN FLUIDS, vol.56, no.3, pp.305-329, 2008 (SCI-Expanded)
27. **A numerical method for the prediction of wave pattern of surface piercing cavitating hydrofoils**
Bal S.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, vol.221, no.12, pp.1623-1633, 2007 (SCI-Expanded)
28. **High-speed submerged and surface piercing cavitating hydrofoils, including tandem case**
Bal S.
OCEAN ENGINEERING, vol.34, pp.1935-1946, 2007 (SCI-Expanded)

29. **Lift and Drag Characteristics of Cavitating Swept and V-Type Hydrofoils**
Bal Ş.
INTERNATIONAL JOURNAL OF MARITIME ENGINEERING, vol.147, pp.51-64, 2005 (SCI-Expanded)
30. **A numerical wave tank model for cavitating hydrofoils**
Bal S., Kinnas S.
COMPUTATIONAL MECHANICS, vol.32, pp.259-268, 2003 (SCI-Expanded)
31. **A BEM for the prediction of free surface effects on cavitating hydrofoils**
Bal Ş., Kinnas S.
COMPUTATIONAL MECHANICS, vol.28, pp.260-274, 2002 (SCI-Expanded)
32. **Numerical analysis of 2-D and 3-D cavitating hydrofoils under a free surface**
Bal Ş., Kinnas S., Lee H.
JOURNAL OF SHIP RESEARCH, vol.45, no.1, pp.34-49, 2001 (SCI-Expanded)
33. **A potential based panel method for 2-D hydrofoils**
Bal S.
OCEAN ENGINEERING, vol.26, no.4, pp.343-361, 1999 (SCI-Expanded)

Articles Published in Other Journals

1. **Numerical Investigation of Curved Tip Effect on the Performance of 3-D Cavitating Hydrofoils Moving under Free Surface**
BAL Ş.
The Society of Naval Architects and Marine Engineers, vol.8, no.1, pp.39-64, 2023 (Peer-Reviewed Journal)
2. **The taper ratio influence on the performance of 3-D cavitating hydrofoils moving under a free surface**
BAL Ş.
Seatific, vol.3, no.1, pp.1-8, 2023 (Peer-Reviewed Journal)
3. **Lumped Vortex Element Flying Over Free Water Surface**
Bal Ş.
ARI The Bulletin of the Istanbul Technical University, vol.55, no.1, pp.1-6, 2023 (Peer-Reviewed Journal)
4. **Prediction of nominal wake of a semi-displacement high-speed vessel at full scale**
Can U., Bal Ş.
OCEAN SYSTEMS ENGINEERING-AN INTERNATIONAL JOURNAL, vol.12, no.2, pp.143-157, 2022 (Peer-Reviewed Journal)
5. **An Investigation of Hydrodynamic Maneuvering Derivatives and Horizontal Stability of Darpa Suboff Depending on Depth**
ÇAVDAR F., BAL Ş.
Gemi ve Deniz Teknolojisi, vol.221, no.1, pp.42-58, 2022 (Peer-Reviewed Journal)
6. **Comparison Of The Rules Of Classification Societies (IACS Members) In The Area Of Submersible Maneuvering**
Kırıkbaş O., BAL Ş., BAYKAL M. A.
European Journal of Science and Technology, no.28, pp.178-183, 2021 (Peer-Reviewed Journal)
7. **Sualtı Araçlarının Manevra Karakteristiklerinin Değerlendirilmesi-I: Manevra Analizlerinde Kullanılan Yaklaşımlar**
Kırıkbaş O., KINACI Ö. K., BAL Ş.
Gemi ve Deniz Teknolojisi Dergisi, vol.219, pp.6-58, 2021 (Peer-Reviewed Journal)
8. **Su Altı Araçlarının Manevra Karakteristiklerinin Değerlendirilmesi-II: Akışkan Sınırlarının Etkileri**
Kırıkbaş O., KINACI Ö. K., BAL Ş.
Gemi ve Deniz Teknolojisi, vol.0, no.220, pp.135-174, 2021 (Peer-Reviewed Journal)
9. **An investigation of scale effects on marine propeller under cavitating and non-cavitating conditions**
Soydan A., Bal Ş.

- SHIP TECHNOLOGY RESEARCH, vol.68, no.3, pp.166-178, 2021 (ESCI)
10. **Inclination angle influence on noise of cavitating marine propeller**
Bal Ş.
OCEAN SYSTEMS ENGINEERING-AN INTERNATIONAL JOURNAL, vol.10, no.1, pp.49-65, 2020 (ESCI)
11. **Inclination Angle Influence on Cavitating Marine Propeller**
BAL Ş.
TAMAP Journal of Engineering, vol.2019, pp.1-11, 2019 (Peer-Reviewed Journal)
12. **Numerical Investigation of Propeller Skew Effect on Cavitation**
BAL Ş.
Journal of ETA Maritime Science, vol.7, pp.127-136, 2019 (ESCI)
13. **A Practical Method for Propeller Noise**
Soydan A., BAL Ş.
Naval Architect, pp.50-51, 2019 (Scopus)
14. **AN EMPIRICAL APPROACH FOR PROPELLER TIP VORTEX CAVITATION NOISE**
Sezen S., DOĞRUL A., Bal Ş.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.36, no.4, pp.1125-1137, 2018 (ESCI)
15. **LCG Effects on Resistance, Lift and Trim Characteristics of R/V Athena Hull**
DUMAN S., ŞENER B., BAL Ş.
International Journal of Small Craft Technology, vol.160, pp.43-56, 2018 (Scopus)
16. **Prediction of the turning and zig-zag maneuvering performance of a surface combatant with URANS**
DUMAN S., Bal Ş.
OCEAN SYSTEMS ENGINEERING-AN INTERNATIONAL JOURNAL, vol.7, no.4, pp.435-460, 2017 (ESCI)
17. **A Review on Prediction of Ship Manoeuvring Performance, Part 1**
SUKAS Ö. F., KINACI Ö. K., Bal Ş.
GMO Journal of Ship and Marine Technology, vol.210, pp.37-75, 2017 (Peer-Reviewed Journal)
18. **Gemilerin manevra performans tahminleri için genel bir değerlendirme 1**
SUKAS Ö. F., KINACI Ö. K., BAL Ş.
Gemi ve Deniz Teknolojisi, vol.23, no.210, pp.37-75, 2017 (Peer-Reviewed Journal)
19. **Some Remarks on the Three Dimensionality of Hydrofoil Cavitation**
KARAALIOĞLU M. S., BAL Ş.
Turkish Journal of Maritime and Marine Sciences, 2017 (Peer-Reviewed Journal)
20. **Gemilerin manevra performans tahminleri için genel bir değerlendirme 2**
SUKAS Ö. F., KINACI Ö. K., BAL Ş.
Gemi ve Deniz Teknolojisi, vol.23, pp.76-105, 2017 (Peer-Reviewed Journal)
21. **Computational Investigation of Self Propulsion Performance of DARPA SUBOFF Vehicle**
DELEN C., SEZEN S., BAL Ş.
TAMAP Journal of Engineering, no.4, pp.1-12, 2017 (Peer-Reviewed Journal)
22. **Tip Vortex Index (TVI) Technique for Inboard Propeller Noise Estimation**
SEZEN S., DOĞRUL A., BAL Ş.
GMO Journal of Ship and Marine Technology, no.207, pp.27-37, 2017 (Peer-Reviewed Journal)
23. **Free surface effects on 2-D airfoils and 3-D wings moving over water**
Bal Ş.
OCEAN SYSTEMS ENGINEERING-AN INTERNATIONAL JOURNAL, vol.6, no.3, pp.245-264, 2016 (ESCI)
24. **Hidrofoillerin Kaviteasyon Zarf Eğrilerinin Sayısal Olarak İncelenmesi**
karaalioğlu m. s., BAL Ş.
Journal of Maritime and Marine Sciences, vol.1, no.2, pp.28-40, 2015 (Peer-Reviewed Journal)
25. **Numerical Investigation of Cavitation Buckets for Hydrofoils Parametrically**
Karaalioğlu M. S., Bal Ş.
Journal of Maritime and Marine Sciences, vol.1, pp.28-40, 2015 (Peer-Reviewed Journal)
26. **Uncertainty analysis of resistance tests in Ata Nutku ShipModel Testing Laboratory of Istanbul**

Technical University

Delen C., Bal Ş.

Journal of Maritime and Marine Sciences, vol.1, no.2, pp.69-88, 2015 (Peer-Reviewed Journal)

27. **INVESTIGATION OF FREE SURFACE EFFECTS OF A 2-D SOURCE MOVING WITH CONSTANT VELOCITY**
DOĞRUL A., Bal Ş., ÇELİK F.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BİLİMLERİ DERGİSİ,
vol.6, no.1, pp.149-156, 2015 (ESCI)
28. **Effects of 2D Source Singularity Moving with Constant Speed on Free Surface**
DOĞRUL A., BAL Ş., ÇELİK F.
Sigma Journal of Engineering and Natural Sciences, vol.5, no.1, pp.149-156, 2015 (ESCI)
29. **Performance prediction of horizontal axis marine current turbines**
Bal Ş., Atlar M., Usar D.
OCEAN SYSTEMS ENGINEERING-AN INTERNATIONAL JOURNAL, vol.5, no.2, pp.125-138, 2015 (ESCI)
30. **Numerical simulation of the flow around two-dimensional partially cavitating hydrofoils**
ÇELİK F., Ozden Y. A., Bal Ş.
Journal of Marine Science and Application, vol.13, no.3, pp.245-254, 2014 (Scopus)
31. **On Propeller Performance of DTC Post Panamax Container Ship**
KINACI Ö. K., KÜKNER A., BAL Ş.
International Journal of Ocean System Engineering, vol.3, no.2, pp.77-89, 2013 (Peer-Reviewed Journal)
32. **Rudder Effect on Propeller Wake Surface**
KINACI Ö. K., Kükner A., Bal Ş.
Journal of Naval Architecture and Marine Technology, no.191, pp.12, 2012 (Peer-Reviewed Journal)
33. **Marmara Denzinde Ambulans Sistemi**
Aydın M., Bal Ş., Şener B., Yıldız B.
Gemi Mühendisleri Odası Dergisi, no.190, pp.17-23, 2012 (Peer-Reviewed Journal)
34. **Numerical Calculation of Cavitation Buckets for 2-D Hydrofoils**
Seber S., İkinci S., Bal Ş.
Sigma Journal of Engineering and Natural Sciences, vol.30, pp.266-280, 2012 (ESCI)
35. **Kara ve Deniz Bağlantılı Marmara Ambulans Sistemi (MAS),M.AYDIN**
Aydın M., Bal Ş., Yılmaz A. İ., Şener B., Kınacı Ö. K., Kepçeler T., Gündoğdu O., Yıldız B.
Gemi ve Deniz Teknoloji Dergisi, no.190, pp.17-23, 2012 (Peer-Reviewed Journal)
36. **Kara ve Deniz Bağlantılı Marmara Ambulans Sistemi MAS**
AYDIN M., BAL Ş., KEPCELER T., GÜNDOĞDU O., ŞENER B., KINACI Ö. K., YILDIZ B., YILMAZ A. İ.
Gemi ve Deniz Teknolojisi, pp.17-23, 2012 (Peer-Reviewed Journal)
37. **Pervanenin İz Yüzeyi Üzerinde Dümen Etkisinin İncelenmesi İçin Bir Uygulama**
KINACI Ö. K., KÜKNER A., BAL Ş.
Gemi ve Deniz Teknolojisi, pp.12-15, 2012 (Peer-Reviewed Journal)
38. **A method for optimum cavitating ship propellers**
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39. **Computation of Optimum Cavitating Ship Propellers**
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40. **Hydrodynamic Performance of Ship Propellers**
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41. **Peformance Investigation of Podded Propellers**
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42. **Podlu Pervanelerin Performanslarının İncelenmesi**
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43. **Gemi Pervanelerinin Hidrodinamik Olarak İncelenmesi**
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44. **Analysis of Podded Propulsors by a Numerical Method**
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45. **Numerical prediction of wave drag of 2-D and 3-D bodies under or on a free surface**
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48. **A Numerical Method for Analysis of Podded Propellers**
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49. **Hydrodynamic Analysis of Two-dimensional Profiles with Flap**
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50. **A panel method for the potential flow around 2-D hydrofoils**
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51. **Hydrodynamic Analysis of 2D Hydrofoils Moving Beneath the Free Surface**
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1. **Gemi Direnci ve Sevki**
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Refereed Congress / Symposium Publications in Proceedings

1. **An Experimental Study on the Self-Propulsion Characteristics of Fully Appended ONR Tumblehome with Uncertainty Analysis**
DELEN C., BAL Ş.
7th International Conference on Advanced Model Measurement Technology for the Maritime Industry (AMT 2023), İstanbul, Turkey, 24 - 26 October 2023
2. **Calculation of Maneuvering Coefficients of an Underwater Vehicle in CFD Environment Based on the Same Grid Topology**
Kırıkbaş O., BAL Ş.
I. INTERNATIONAL MARITIME AND LOGISTICS CONGRESS, Zonguldak, Turkey, 22 - 23 September 2023
3. **Simulation of Captive Model Experiments of an Underwater Vehicle by CFD Based on a Single Grid Structure**
Kırıkbaş O., Bal Ş.

4th International Symposium on Naval Architecture and Maritime (INT-NAM 2023), İstanbul, Turkey, 11 - 13 October 2023, pp.947-960

4. **A Study on Minimum Drag of an AUV Using Integrated Optimization Platform by Open Source Libraries**
Yazıcı B. U., BAL Ş.
INTERNATIONAL GRADUATE RESEARCH SYMPOSIUM – IGRS'22, İstanbul, Turkey, 1 - 03 June 2022
5. **Performance Prediction of a Generic Submarine Undergoing Accelerating and Stopping Manoeuvres by Closed-Form Solutions and CFD**
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6. **"Numerical Analysis of Cavitating Flows Around Axisymmetric Bodies by OpenFoam**
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7. **Nominal Wake Fraction of a Semi-Displacement Type High-Speed Vessel at Full Scale**
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11. **A Review on Computational Fluid Dynamic Methods for Maneuvering of Submerged Vehicles**
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12. **Comparison of the Rules of Classification Societies (IACS Members) in the Area of Submersible Maneuvering (Abstract)**
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13. **Hydrodynamic Optimization of an AUV Shape Using Open Source Libraries**
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14. **Pure Yaw Simulations of Fast DelftCatamaran 372 in Deep Water**
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15. **INVESTIGATION OF UNDERWATER NOISE CHARACTERISTICS OF DTMB4119 PROPELLER UNDER DIFFERENT CONDITIONS**
Soydan A., ZAFER B., BAL Ş.
10th Ankara International Aerospace conference, Ankara, Turkey, 18 - 20 September 2019
16. **Uncertainty analysis of numerical and experimental resistance tests for ONR Tumblehome**
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17. **Prediction of maneuvering coefficients of Delft catamaran 372 hull form**

DUMAN S., BAL Ş.

Congress of the International Maritime Association of the Mediterranean, Varna, Bulgaria, 9 - 11 September 2019

18. **Hydrodynamic performance of a cavitating marinecurrent turbine**

KARAALİOĞLU M. S., BAL Ş.

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19. **A Modular Mathematical Approach to Predict the Maneuvering Ability of Duisburg Test Case in Regular Waves**

KINACI Ö. K., SUKAS Ö. F., BAL Ş.

5th International Conference on Ship Manoeuvring in Shallow and Confined Water (MASHCON 2019), Ostend, Belgium, 19 - 23 May 2019, pp.252-264

20. **Nonlinear Large Angle Solution of Blade Element Momentum Theory for Marine Propellers**

Soydan A., BAL Ş.

4th International Conference on Advances in Mechanical Engineering (ICAME 2018), İstanbul, Turkey, 19 - 21 December 2018, pp.960-974

21. **Flow Induced Noise of a Submarine with Propeller**

SEZEN S., BAL Ş.

4th International Conference on Advances in Mechanical Engineering (ICAME 2018), İstanbul, Turkey, 19 - 21 December 2018, pp.574-583

22. **Investigation of Cavitating Marine Propeller Performance Using Blade Element Momentum Theory**

KARAALİOĞLU M. S., BAL Ş.

3rd International Meeting - Progress in Propeller Cavitation and its Consequences:Experimental and Computational Methods for Predictions, İstanbul, Turkey, 15 - 16 November 2018, pp.129-134

23. **Propeller Effects on Maneuvering of a Submerged Body**

DUMAN S., SEZEN S., BAL Ş.

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24. **Computational Investigation of Hydro-Acoustic Performance of DARPA Suboff**

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25. **Numerical Simulation of Dynamic Maneuvering of a Surface Combatant Using Dynamic Overset Grid Method**

DUMAN S., ÇAKICI F., BAL Ş.

INT-NAM 2018, İstanbul, Turkey, 24 - 25 April 2018

26. **Numerical Simulation of Dynamic Maneuvering of a Surface Combatant Using Overset Grid Method**

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30. **Performance Prediction of a Cavitating Marine Propeller at Very Low Froude Numbers**

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31. **Performance Prediction of a Planing Vessel Using Dynamic Overset Grid Method**
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32. **Cavitation Analyses of DTMB4119 Propeller with LES and URANS approach**
SEZEN S., BAL Ş.
17th Congress of IMAM, 9 - 11 October 2017, pp.547-556
33. **Numerical Investigations of Scale Effects on Maneuvering Coefficients of DTMB 5415 Hull**
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34. **BİR SU ALTI ARACININ SEVK PERFORMANSININ SAYISAL OLARAK İNCELENMESİ**
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35. **Numerical Investigation of Scale Effects on Maneuvering Coefficients of DTMB 5415 Hull**
DUMAN S., BAL Ş.
1st International Congress on Ship and Marine Technology, 8 - 09 December 2016
36. **Investigation of Hydrodynamic Performance of Cavitating Blades of Marine Current Turbines in Uniform Flow**
KARAALİOĞLU M. S., BAL Ş.
1st International Congress on Ship and Marine Technology, 8 - 09 December 2016
37. **Tip Vortex Index TVI Technique for Inboard Propeller Noise Estimation**
SEZEN S., DOĞRUL A., BAL Ş.
1st International Congress on Ship and Marine Technology, 8 - 09 December 2016
38. **Numerical Investigation of Propulsion Performance of an Underwater Vehicle**
DELEN C., SEZEN S., BAL Ş.
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39. **Numerical Investigation of Viscous Effects on the Static PMM Tests of Ships**
DUMAN S., BAL Ş.
2nd International Meeting on Recent Advances in Prediction Techniques for Safe Manoeuvring of Ships and Submarines (A. Yucel Odabasi Colloquium Series), 17 - 18 November 2016, pp.89-98
40. **Investigation of Marine Propeller Noise for Steady and Transient Flow**
SEZEN S., DOĞRUL A., BAL Ş.
The Second Global Conference on Innovation in Marine Technology and the Future of Maritime Transportation, 24 - 25 October 2016, pp.149-159
41. **Preliminary Results of a Numerical Method for Podded Propulsors**
Bal Ş., Akyıldız H., GÜNER M.
2nd Technological Advances on Podded Propulsors Conference, Brest, France, 2 - 05 October 2016, vol.1, pp.11-20
42. **Performance Prediction of 2D Foils Moving Above and Close to Free Surface**
KINACI Ö. K., BAL Ş.
Advances in Boundary Element and Meshless Techniques XVII, Ankara, Turkey, 11 - 13 July 2016, pp.43-50
43. **Performance Prediction of Wings Moving Above Free Surface**
DOĞRUL A., BAL Ş.
Advances in Boundary Element and Meshless Techniques XVII, Ankara, Turkey, 11 - 13 July 2016, pp.85-92
44. **Performance Prediction of Supercavitating Blade Sections for Marine Current Turbines**
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1st International Conference on Engineering, Technology and Applied Sciences, 21 - 22 April 2016, pp.370-377
45. **Kavitasyon Yapan Sualtı Akıntı Türbin Kanadının Hidrodinamik Analizi**
KARAALİOĞLU M. S., BAL Ş.
1st International Conference on Engineering, Technology and Applied Sciences, 21 - 22 April 2016, pp.730-736
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- 17th International Congress of the International Maritime Association of the Mediterranean, IMAM 2017, Lisbon, Portugal, 9 - 11 October 2017, vol.1, pp.547-554
47. **Self-propulsion simulation of darpa suboff**
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17th International Congress of the International Maritime Association of the Mediterranean, IMAM 2017, Lisbon, Portugal, 9 - 11 October 2017, vol.1, pp.503-511
48. **Uncertainty analysis of resistance tests in ata nutku ship model testing laboratory of Istanbul Technical University**
Delen C., Bal Ş.
16th International Congress of the International Maritime Association of the Mediterranean, IMAM 2015, Pula, Croatia, 21 - 24 September 2015, pp.43-50
49. **Investigation of Flow Noise Around Two dimensional Bodies**
İlter Y. K., BAL Ş.
2nd International Symposium on Naval Architecture and Maritime (INT-NAM 2014), 23 - 24 October 2014
50. **Computation of Total Resistance of Ships and a Submarine by a RANSE based CFD**
KINACI Ö. K., SUKAS Ö. F., BAL Ş.
2nd International Symposium on Naval Architecture and Maritime (INT-NAM 2014), 23 - 24 October 2014
51. **Prediction Performance and Cavitation Behavior of Horizontal Axis Marine Current Turbines**
uşar d., BAL Ş.
2nd International Symposium on Naval Architecture and Maritime (INT-NAM 2014, 23 - 24 October 2014
52. **Optimal Geometry for 3D Supercavitating Hydrofoils**
ÇELİK F., ARIKAN ÖZDEN Y., BAL Ş.
2nd International Symposium on Naval Architecture and Maritime (INT-NAM 2014), 01 October 2014
53. **Eğitimde teknolojik sürdürülebilirlik: Kuramlar, modeller ve alana yönelik öneriler**
DAĞHAN G., AKKOYUNLU B., ERGİN A., ERGİN S., BAL Ş.
International Conference on New trends in Educational Technology Conference (INTET 2014), 14 - 15 April 2014
54. **Pervanenin İz Yüzeyi Üzerinde Dümen Etkisinin İncelenmesi İçin Bir Uygulama**
KINACI Ö. K., KÜKNER A., BAL Ş.
Gemi İnşaatı ve Deniz Teknolojisi Teknik Kongresi 2012, Turkey, 18 December 2012
55. **A Parametric Study on Tandem Hydrofoil Interaction**
KINACI Ö. K., KÜKNER A., BAL Ş.
(Joint) 19th International Conference on Hydrodynamics in Ship Design and 4th International Symposium on Ship Manoeuvring, 19 - 21 September 2012, pp.144-155
56. **Prediction of cavitation on two-and three-dimensional hydrofoils by an iterative BEM**
ARIKAN ÖZDEN Y., ÇELİK F., DOĞRUL A., BAL Ş.
Proc. of the 8th International Symposium on Cavitation (CAV2012), Singapore, Singapore, 13 - 15 August 2012, pp.696-702
57. **Application of Classical Blade Element Momentum Theory and a Boundary Element Method to Cavitating Marine Current Turbines**
Uşar D., Bal Ş.
1st International Symposium on Naval Architecture and Maritime, İstanbul, Turkey, 24 - 25 October 2011, vol.1, pp.307-316
58. **İki Boyutlu Balık Kuyruklu Hidrofoillerin Hidrodinamik Analizi**
Bal Ş.
Gelecek Teknolojileri Sempozyumu, İstanbul, Turkey, 20 - 21 October 2011, pp.23-26
59. **Interactive Effects of 2 D Bodies in Non Lifting Flows**
KINACI Ö. K., KÜKNER A., BAL Ş.
1st International Symposium on Naval Architecture and Maritime (INT-NAM 2011, 24 - 25 October 2011, pp.817-826
60. **Kavitasyon Yapan Gemi Pervanelerinin Sayısal Bir Yöntemle İncelenmesi**
Bal Ş.

Gemi İnşaatı ve Denizcilik Sempozyumu, İstanbul, Turkey, 24 - 25 November 2008, pp.239-250

61. Surface piercing bodies in a numerical towing tank

Bal S.

17th International Offshore and Polar Engineering Conference (ISOPE 2007), Lisbon, Portugal, 1 - 06 July 2007, pp.2115-2124

62. Numerical analysis of cavitating hydrofoils inside a numerical wave tank

Bal S.

16th International Offshore and Polar Engineering Conference (ISOPE 2006), San-Francisco, Costa Rica, 28 May - 02 June 2006, pp.326-333

63. Cavitating Hydrofoils Inside a Numerical Wave Tunnel

Bal Ş.

8th Numerical Towing Tank Symposium, Varna, Bulgaria, 12 - 14 October 2005, pp.1-11

64. Gemilerin ve Hidrofoillerin Dalga Direncinin Hesabı

Bal Ş.

Gemi İnşaatı ve Sanayisi Sempozyumu, İstanbul, Turkey, 24 - 25 December 2004, pp.335-343

65. An IBEM for Cavitating Hydrofoils Inside Numerical Wave Tunnel

Bal Ş., Kinnas S. A.

Symposium of the International Association for Boundary Element Methods (IABEM2002), Austin, Texas, United States Of America, 28 - 31 May 2002, pp.25-35

66. Second-order free surface effect on cavitating 3-D hydrofoils

Bal S.

11th International Offshore and Polar Engineering Conference (ISOPE-2001), Stavanger, Norway, 17 - 22 June 2001, pp.554-561

67. A BEM for Cavitating Hydrofoils Under a Free Surface

Bal Ş., Kinnas S. A.

Symposium of the International Association for Boundary Element Methods (IABEM 2000), Brescia, Italy, 1 - 03 July 2000, pp.13-17

68. A Higher-Order Panel Method for 2D Hydrofoils

Bal Ş.

3rd Osaka Colloquium on Advanced CFD Applications to Ship Flow and Hull Form Design, Osaka, Japan, 29 May - 03 June 1998, pp.265-274

69. Serbest Su Yüzeyi Altında İlerleyen Üç Boyutlu hidrofoillerin Hidrodinamik Olarak İncelenmesi

Bal Ş., Sabuncu T.

9. Ulusal Mekanik Kongresi, Nevşehir, Turkey, 2 - 05 September 1995, pp.635-644

Other Publications

1. Numerical Analysis of Cavitating Hydrofoils Under a Free Surface Ocean Engineering Group Report, No: 99-5, Dept. of Civil Engineering, The University of Texas at Austin

Bal Ş.

Technical Report, pp.1-45, 1999

2. Unsteady Aerodynamic Characteristics of Sudden and Constant Acceleration of 2D Airfoils (Helsinki University of Technology Report, No: M-204)

Bal Ş.

Technical Report, pp.1-42, 1996

3. A Potential Based Panel Method for Steady 3D Hydrofoils

Bal Ş.

Technical Report, pp.1-28, 1995

Academic and Administrative Experience

2014 - Continues	Erasmus Program Institutional Coordinator	İstanbul Teknik Üniversitesi, Gemi İnşaatı Ve Deniz Bilimleri Fakültesi, Gemi İnşaatı Ve Gemi Makineleri Mühendisliği Bölümü
2016 - 2017	Dean	İstanbul Teknik Üniversitesi, Gemi İnşaatı Ve Deniz Bilimleri Fakültesi
2012 - 2013	Vice Dean	İstanbul Teknik Üniversitesi, Gemi İnşaatı Ve Deniz Bilimleri Fakültesi

Courses

Gemi Hareketleri ve Manavrası, Undergraduate, 2017 - 2018

Fluid Mechanics, Undergraduate, 2016 - 2017

BOUNDARY ELEMENT METHODS IN SHIP HYDRODYNAMICS, Postgraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2013 - 2014, 2012 - 2013, 2011 - 2012

SHIP MOTIONS AND MANEUVERING, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

Activities in Scientific Journals

GMO Journal of Ship and Marine Technology, Committee Member, 2017 - Continues

TAMAP Journal of Engineering, Committee Member, 2017 - Continues

Turkish Journal of Maritime and Marine Sciences, Committee Member, 2015 - Continues

Internatioanal Journal of Ocean Systems Engineering, Committee Member, 2013 - Continues
Committee Member, 2017 - 2020

Memberships / Tasks in Scientific Organizations

Fellow, İngiltere, Member, 2017 - Continues

Society of Naval Architects and Marine Engineers, USA, Member, 2000 - Continues

TMMOB Gemi Mühendisleri Odası, Member, 1989 - Continues

Technical Program Committee, International Society of Offshore and Polar Engineers, Member, 2006 - 2011

Scientific Refereeing

JOURNAL OF OFFSHORE MECHANICS AND ARCTIC ENGINEERING-TRANSACTIONS OF THE ASME, SCI Journal, May 2019

APPLIED OCEAN RESEARCH, National Scientific Refreed Journal, May 2019

Journal of Ocean Technology, Other Indexed Journal, May 2019

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Applied Ocean Research, SCI Journal, May 2018
Scientia Iranica, SCI Journal, May 2018
China Ocean Engineering, SCI Journal, May 2018
PhD Thesis Examiner, Other journals, April 2018
Journal of Applied Fluid Mechanics, SCI Journal, April 2018
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Journal of Applied Fluid Mechanics, SCI Journal, March 2018
International Journal of Maritime Engineering, SCI Journal, February 2018
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Journal of Applied Fluid Mechanics, SCI Journal, December 2017
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Arabian Journal for Science and Engineering, SCI Journal, November 2017
Journal of Applied Fluid Mechanics, SCI Journal, October 2017
Ocean Engineering, SCI Journal, October 2017
Scientia-Iranica, SCI Journal, October 2017
TUBITAK Project, September 2017
Ocean Engineering, SCI Journal, August 2017
Journal of Ship Research, SCI Journal, July 2017
American Journal of Engineering and Applied Sciences, SCI Journal, July 2017
Ocean Engineering, SCI Journal, June 2017
Arabian Journal for Science and Engineering, SCI Journal, June 2017
Journal of Applied Fluid Mechanics, SCI Journal, June 2017
Journal of Ocean Technology , Other Indexed Journal, May 2017
Ocean Engineering, SCI Journal, April 2017
Journal of Brodogradnja , SCI Journal, April 2017
Ocean Engineering, SCI Journal, February 2017
Turkish Journal of Electrical Engineering and Computer Sciences , SCI Journal, February 2017
Journal of Applied Fluid Mechanics, SCI Journal, January 2017
Scientia-Iranica , SCI Journal, September 2016
Ocean Engineering, SCI Journal, June 2016
Journal of Ocean Engineering and Science , SCI Journal, May 2016
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Project Supported by Higher Education Institutions, April 2016
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Scientia-Iranica, SCI Journal, November 2015
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Journal of Engineering for the Maritime Environment , SCI Journal, August 2015
European Journal of Mechanics/B Fluids , SCI Journal, July 2015
Project Supported by Higher Education Institutions, July 2015
July 2015
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Applied Energy, SCI Journal, April 2015
Ocean Engineering, SCI Journal, April 2015
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Project Supported by Higher Education Institutions, March 2015
Ocean Engineering, SCI Journal, February 2015
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Journal of Marine Science and Application, Other Indexed Journal, October 2014
July 2014
Ocean Engineering, SCI Journal, June 2014
Journal of Marine Science and Application, Other Indexed Journal, June 2014
DSİ Bülteni, National Scientific Refreed Journal, April 2014
Journal of Marine Science and Application, Other Indexed Journal, March 2014
Journal of Marine Science and Application, Other Indexed Journal, January 2014
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Advanced Shipping and Ocean Engineering Journal, Other Indexed Journal, January 2013
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Journal of Naval Architecture and Ocean Engineering , SCI Journal, June 2011
Journal of Engineering Mathematics , SCI Journal, May 2011
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GMO Journal of Naval Architecture and Marine Technology, National Scientific Refreed Journal, April 2011
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Ocean Engineering, SCI Journal, February 2009

Turkish Journal of Engineering and Environmental Sciences, Other Indexed Journal, February 2009

Iranian Journal of Science and Technology, Trans. B-Engineering , SCI Journal, February 2009

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GMO Journal of Naval Architecture and Marine Technology, National Scientific Refreed Journal, August 2006

AIAA Journal, SCI Journal, May 2006

GMO Journal of Naval Architecture and Marine Technology , National Scientific Refreed Journal, January 2005

Gazi University Journal, National Scientific Refreed Journal, January 2004

Scientific Consultations

Milli Pervane Teknolojileri AŞ, Project Consultancy, Istanbul Technical University, Gemi İnşaatı ve Deniz Bilimleri, Gemi İnşaatı Ve Gemi Makinaları Mühendisliği, Turkey, 2015 - 2017

SİMSOFT, ODTÜ TEKNOPARK, Project Consultancy, Istanbul Technical University, Gemi İnşaatı ve Deniz Bilimleri, Gemi İnşaatı Ve Gemi Makinaları Mühendisliği, Turkey, 2013 - 2014

Metrics

Publication: 165

Citation (WoS): 423

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H-Index (Scopus): 14

Congress and Symposium Activities

International Symposium on Naval Architecture and Maritime (INT-NAM 2018), Attendee, İstanbul, Turkey, 2018

TMMOB Gemi Mühendisleri Odası 1. Uluslararası Gemi İnşaatı ve Deniz Teknolojisi Teknik Kongresi, Attendee, İstanbul, Turkey, 2016

ITTC Resistance Committee, Attendee, Washington, United States Of America, 2015

2nd International Symposium on Naval Architecture and Maritime, Attendee, İstanbul, Turkey, 2014

International Towing Tank Conference, Attendee, København, Denmark, 2014

Turkish Offshore Energy Conference, Attendee, Turkey, 2013

TMMOB Gemi Mühendisleri Odası'nın Gemi İnşaatı ve Deniz Teknolojisi Teknik Kongresi, Session Moderator, İstanbul, Turkey, 2012

TMMOB Gemi Mühendisleri Odası Gemi İnşaatı ve Deniz Teknolojisi Teknik Kongresi, Attendee, İstanbul, Turkey, 2012

TMMOB Makina Mühendisleri Odası, Geleceğin Tenolojileri Sempozyumu, Attendee, İstanbul, Turkey, 2011

1st International Symposium on Naval Architecture and Maritime, Attendee, Turkey, 2011

TMMOB Gemi Mühendisleri Odası Gemi İnşaatı ve Deniz Teknolojisi Teknik Kongresi, Attendee, Turkey, 2008

International Symposium on Offshore and Polar Engineering (ISOPE 2007), Session Moderator, Lisbon, Portugal, 2007

ISOPE (International Society of Offshore and Polar Engineers) 2007 Conference, Attendee, Lisboa, Portugal, 2007

T-POD (Technological Advances in Podded Propulsors) 2006 Conference, Attendee, Brest, France, 2006

ISOPE (International Society of Offshore and Polar Engineers) 2006 Conference, Attendee, United States Of America, 2006
TMMOB Gemi Mühendisleri Odası, 50. Yılı'nda Gemi Mühendisliği ve Sanayimiz Sempozyumu, Attendee, Turkey, 2004
ISOPE (International Society of Offshore and Polar Engineers) 2001 Conference, Attendee, Stavanger, Norway, 2001
3rd Osaka Colloq. On Advanced CFD Applications to Ship Flow, Attendee, Ôsaka, Japan, 1998
8th Congress of IMAM (International Maritime Association of Mediterranean), Attendee, Turkey, 1997

Research Areas

Naval Architecture and Marine Engineering, Ship Hydromechanics, Ship Construction, Engineering and Technology

Non Academic Experience

The University of Texas at Austin
University of Liege
University of Newcastle
The University of Texas at Austin