

Prof. Seyfettin BAYRAKTAR

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International Researcher IDs

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Publons / Web Of Science ResearcherID: A-4069-2016

ScopusID: 24447888200

Yoksis Researcher ID: 11736

Education Information

Doctorate, Yıldız Technical University, Graduate School Of Natural And Applied Sciences, Gemi İnşaatı ve Gemi Makineleri Mühendisliği, Turkey 2002 - 2008

Postgraduate, Yıldız Technical University, Graduate School Of Natural And Applied Sciences, Gemi İnşaatı ve Gemi Makineleri Mühendisliği, Turkey 1998 - 2001

Undergraduate, Yıldız Technical University, Faculty Of Mechanical Engineering, Department Of Naval Architecture And Marine Engineering, Turkey 1994 - 1998

Foreign Languages

English, B1 Intermediate

Dissertations

Doctorate, Çapraz akıştaki türbülanslı jet akışlarının deneysel ve hesaplamalı akışkanlar dinamiği analizi, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Gemi İnşaatı Ve Gemi Makineleri Mühendisliği, 2008

Postgraduate, Boru ve silindirik kanallardaki engellerin akım üzerindeki etkilerinin simülasyonu, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Gemi İnşaatı Ve Gemi Makineleri Mühendisliği, 2001

Research Areas

Mechanical Engineering, Energy, Fluid Mechanics, Pressure Vessels and Piping, Thermodynamics, Heat and Mass Transfer, Heating, Refrigerating and Air Conditioning, Computational fluid dynamics, Thermal Systems, Naval Architecture and Marine Engineering, Ship Hydromechanics, Ship Machines, Engineering and Technology

Academic Titles / Tasks

Professor, Yildiz Technical University, Naval Architecture And Maritime Faculty, Department Of Marine Engineering Operations, 2020 - Continues

Associate Professor, Gemi İnşaatı ve Gemi Makineleri Mühendisliği , Gemi İnşaatı ve Gemi Makineleri Mühendisliği , 2018 - 2020

Associate Professor, Yildiz Technical University, Naval Architecture And Maritime Faculty, Department Of Naval Architecture And Marine Engineering, 2015 - 2020

Associate Professor, National Defense University, Air Force Academy, Department Of Aerospace Engineering, 2019 - 2019

Assistant Professor, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Naval Architecture And Marine Engineering, 2009 - 2015

Research Assistant, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Naval Architecture And Marine Engineering, 1999 - 2008

Academic and Administrative Experience

Fakülte Yönetim Kurulu Üyesi, Yildiz Technical University, Naval Architecture And Maritime Faculty, Department Of Marine Engineering Operations, 2022 - Continues

Fakülte Kurulu Üyesi, Yildiz Technical University, Naval Architecture And Maritime Faculty, Department Of Marine Engineering Operations, 2020 - Continues

Member of ADEK Commission, Yildiz Technical University, Naval Architecture And Maritime Faculty, Department Of Marine Engineering Operations, 2020 - Continues

Graduate Education Coordinator, Yildiz Technical University, Naval Architecture and Maritime Faculty, Department of Naval Architecture and Marine Engineering, 2019 - Continues

Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Yildiz Technical University, Naval Architecture And Maritime Faculty, Department Of Marine Engineering Operations, 2021 - 2023

Mevlana Exchange Program Coordinator, Yildiz Technical University, Gemi İnşaatı Ve Gemi Makineleri Mühendisliği Bölümü, 2015 - 2019

Erasmus Coordinator, Yildiz Technical University, Gemi İnşaatı Ve Gemi Makineleri Mühendisliği Bölümü, 2015 - 2019

Farabi Coordinator, Yildiz Technical University, Gemi İnşaatı Ve Gemi Makineleri Mühendisliği Bölümü, 2015 - 2019

Yıldız Teknik Üniversitesi, Naval Architecture and Maritime Faculty, Gemi İnşaatı Ve Gemi Makineleri Mühendisliği Bölümü, 2013 - 2014

Courses

Fluid Mechanics, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

Heat Transfer, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

Turbulent Flow and Turbulence Models, Doctorate, 2018 - 2019

Fluid Mechanics, Undergraduate, 2018 - 2019

Denizcilik İngilizcesi, Undergraduate, 2017 - 2018

Gemi Geometrisi, Undergraduate, 2008 - 2009

Advising Theses

Bayraktar S., Doğrul A., Hydro-Aerodynamics Investigation of a Surface Combatant Vessel , Doctorate, S.SARI(Student), Continues

Bayraktar S., Design and flow analyses of circular and square cross sectional venturi type scrubbers, Postgraduate,

F.Türkoğlu(Student), 2024

Bayraktar S., Farklı Geometrik Yüzeyle Sahip Silindirler Etrafındaki Akışın Sayısal Olarak İncelenmesi, Postgraduate, E.Ozturk(Student), 2019

Bayraktar M., Bayraktar S., Two-Dimensional Computational Analysis of Vortex-Induced Vibration, Postgraduate, O.MUTLU(Student), 2019

Bayraktar S., Farklı Düzlemler Üzerine Çarpan Jetlerin Akış ve Isı Transfer Analizleri, Postgraduate, A.Bolek(Student), 2017

Jury Memberships

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Yıldız Teknik Üniversitesi, September, 2024

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Yıldız Teknik Üniversitesi, August, 2024

Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Van Yüzüncü Yıl Üniversitesi, March, 2024

Doctoral Examination, Doctoral Examination, Yıldız Teknik Üniversitesi, December, 2023

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Bursa Teknik Üniversitesi, December, 2023

Doctorate, Doctorate, Marmara Üniversitesi, December, 2023

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Yıldız Teknik Üniversitesi, November, 2023

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Yıldız Teknik Üniversitesi, August, 2023

Doctorate, Doctorate, Bennett University, Greater Noida, India, August, 2023

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Yıldız Teknik Üniversitesi, June, 2023

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Yıldız Teknik Üniversitesi, May, 2023

Doctoral Examination, Doctoral Examination, Van Yüzüncü Yıl Üniversitesi, April, 2023

Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Yıldız Teknik Üniversitesi, December, 2022

Associate Professor Exam, Associate Professor Exam, Yıldız Teknik Üniversitesi, December, 2022

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Yıldız Teknik Üniversitesi, November, 2022

Doctorate, Doctorate, Marmara Üniversitesi, November, 2022

Post Graduate, Post Graduate, İstanbul Teknik Üniversitesi, May, 2022

Doctoral Examination, Doctoral Examination, Yıldız Teknik Üniversitesi, April, 2022

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Yıldız Teknik Üniversitesi, April, 2022

Doctoral Examination, Doctoral Examination, Yıldız Teknik Üniversitesi, April, 2022

Doctorate, Doctorate, İstanbul Teknik Üniversitesi, April, 2022

Post Graduate, Post Graduate, İstanbul Teknik Üniversitesi, July, 2021

Doctorate, Doctorate, Yıldız Teknik Üniversitesi, June, 2021

Doctorate, Doctorate, Yıldız Teknik Üniversitesi, June, 2021

Doctorate, Doctorate, Yıldız Teknik Üniversitesi, June, 2021

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Yıldız Teknik Üniversitesi, April, 2021

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Yıldız Teknik Üniversitesi, April, 2021

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Yıldız Teknik Üniversitesi, January, 2021

Post Graduate, Post Graduate, Van Yüzüncü Yıl Üniversitesi, December, 2020

Doctorate, Doctorate, Yıldız Teknik Üniversitesi, November, 2020

Doctoral Examination, Doctoral Examination, Marmara Üniversitesi, November, 2020

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Karadeniz Teknik Üniversitesi, November, 2020

Doctoral Examination, Doctoral Examination, Marmara Üniversitesi, November, 2020

Doctoral Examination, Doctoral Examination, Marmara Üniversitesi, July, 2020

Doctoral Examination, Doctoral Examination, Milli Savunma Üniversitesi, June, 2020

Doctorate, Doctorate, Yıldız Teknik Üniversitesi, March, 2020

Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, February, 2020

Doctoral Examination, Doctoral Examination, İstanbul Teknik Üniversitesi, December, 2019

Post Graduate, Post Graduate, İstanbul Teknik Üniversitesi, December, 2019

Doctoral Examination, Doctoral Examination, Yıldız Teknik Üniversitesi, November, 2019

Post Graduate, Post Graduate, Kocaeli Üniversitesi, July, 2019

Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, July, 2019

Doctoral Examination, Ahmet Cagri Bilir, Yıldız Teknik Üniversitesi, April, 2019

Doctoral Examination, Ufuk Demir, İstanbul Teknik Üniversitesi, December, 2018

Doctoral Examination, Ozan Senman, İstanbul Teknik Üniversitesi, December, 2018

Doctoral Examination, Mert Alpaya, İstanbul Teknik Üniversitesi, December, 2018

Doctoral Examination, Nasser Ghassembaglou, İstanbul Teknik Üniversitesi, December, 2018

Doctoral Examination, Burak Çoban, İstanbul Teknik Üniversitesi, December, 2018

Doctoral Examination, Büryan Apaçoğlu, İstanbul Teknik Üniversitesi, December, 2018

Doctoral Examination, Sertac Gümüştekin, Yıldız Teknik Üniversitesi, November, 2018

Doctoral Examination, Abdullah Göktürk, İstanbul Teknik Üniversitesi (İTÜ), May, 2018

Post Graduate, Miraç Kan, Kocaeli Üniversitesi, June, 2017

Doctoral Examination, Orhan Veli Kazancı, İstanbul Teknik Üniversitesi (İTÜ), May, 2017

Doctorate, Fatih Cuneyt Korkmaz, Yıldız Teknik Üniversitesi, November, 2016

Post Graduate, Mustafa Aydemir, Kocaeli Üniversitesi, August, 2015

Post Graduate, Ozer Ata, Yıldız Teknik Üniversitesi, July, 2015

Designed Lessons

Bayraktar S., Turbulent Flows and Turbulence Models, Doctorate, 2015 - 2016

Bayraktar S., Computational Thermo-Fluid, Doctorate, 2015 - 2016

Research Infrastructure Information

Bayraktar S., Wind Tunnel, January 2004

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Airwake Characteristics of NATO-Generic Destroyer: A Numerical Study**
Sarı S., Doğrul A., Bayraktar S.
JOURNAL OF APPLIED FLUID MECHANICS, vol.18, no.1, pp.112-130, 2025 (SCI-Expanded)
- II. **Numerical Studies on the Oil-Water Mixture Separation by Corrugated Plates with Hooks and Holes in Various Shapes and Configurations**

Oruç M., Salih M., Yayla S., Bayraktar S.

ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.50, no.3, pp.1-12, 2024 (SCI-Expanded)

- III. **Mixed convection heat transfer and entropy generation of water inside a square vented enclosure with and without four vibrating cylinders in horizontal and vertical directions**
Almensoury M. F., Al-Srayyih B. M., Al-Amir Q. R., Hamzah H. K., Abed A. M., Ali F. H., Bayraktar S., Arıcı M., Hatami M.
NUMERICAL HEAT TRANSFER; PART A: APPLICATIONS, vol.85, no.13, pp.2069-2095, 2023 (SCI-Expanded)
- IV. **Three-dimensional computational analysis of flow over twisted hydrofoils**
Öksüz S., Çelik F., Bayraktar S.
OCEAN ENGINEERING, vol.267, pp.1-11, 2023 (SCI-Expanded)
- V. **Comparison study of vertical and horizontal elastic wall on vented square enclosure filled by nanofluid and hexagonal shape with MHD effect**
Al-Amir Q. R., Hamzah H. K., Ali F. H., BAYRAKTAR S., ARICI M., Hatami M.
European Physical Journal: Special Topics, vol.231, no.13-14, pp.2623-2643, 2022 (SCI-Expanded)
- VI. **Two-dimensional simulations of vortex-induced vibration of a circular cylinder**
Mutlu A. O., BAYRAKTAR M., BAYRAKTAR S.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART M: JOURNAL OF ENGINEERING FOR THE MARITIME ENVIRONMENT, vol.235, no.3, pp.683-694, 2021 (SCI-Expanded)
- VII. **Innovative computational modal analysis of a marine propeller**
Uslu S., BAYRAKTAR M., DEMİR C., BAYRAKTAR S.
APPLIED OCEAN RESEARCH, vol.113, 2021 (SCI-Expanded)
- VIII. **Numerical investigation of flow over obstacles on a backward-facing step Bir ters-basamak üzerindeki engellerin etrafındaki akışın sayısal olarak incelenmesi**
BAYRAKTAR S.
Journal of the Faculty of Engineering and Architecture of Gazi University, vol.36, no.2, pp.1145-1158, 2021 (SCI-Expanded)
- IX. **Flow and heat transfer investigation of a circular jet issuing on different types of surfaces**
Bolek A., Bayraktar S.
SADHANA-ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES, vol.44, no.12, 2019 (SCI-Expanded)
- X. **Flow field analysis of grooved surfaces**
Bayraktar S., Tekercioglu R., Dincel A.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, vol.16, no.9, pp.5365-5368, 2019 (SCI-Expanded)
- XI. **Numerical Analysis of a Two-Phase Flow (Oil and Gas) in a Horizontal Separator used in Petroleum Projects**
Yayla S., Kamal K., BAYRAKTAR S.
JOURNAL OF APPLIED FLUID MECHANICS, vol.12, no.4, pp.1037-1045, 2019 (SCI-Expanded)
- XII. **Dominant Vortex Structures in Transverse Jets**
BAYRAKTAR S., Yilmaz T.
JOURNAL OF APPLIED FLUID MECHANICS, vol.9, no.5, pp.2403-2411, 2016 (SCI-Expanded)
- XIII. **Computational Fluid Dynamics and Heat Transfer Analysis for a Novel Heat Exchanger**
Ma H., Oztekin D. E., BAYRAKTAR S., YAYLA S., Oztekin A.
JOURNAL OF HEAT TRANSFER-TRANSACTIONS OF THE ASME, vol.137, no.5, 2015 (SCI-Expanded)
- XIV. **Wall proximity effects on flow over cylinders with different cross sections**
BAYRAKTAR S., Yayla S., Oztekin A., Ma H.
CANADIAN JOURNAL OF PHYSICS, vol.92, no.10, pp.1141-1148, 2014 (SCI-Expanded)
- XV. **NUMERICAL AND EXPERIMENTAL STUDY OF TURBULENT FREE SURFACE FLOW FOR A FAST SHIP MODEL**
Ozdemir Y. H., Barlas B., YILMAZ T., BAYRAKTAR S.
BRODOGRADNJA, vol.65, no.1, pp.39-54, 2014 (SCI-Expanded)
- XVI. **Numerical Solution of Three-Dimensional Flow over Angled Backward-Facing Step with Raised Upper Wall**

- BAYRAKTAR S.
JOURNAL OF APPLIED FLUID MECHANICS, vol.7, no.1, pp.155-167, 2014 (SCI-Expanded)
- XVII. **Experimental analysis of transverse jet using various decomposition techniques**
Bayraktar S., Yilmaz T.
JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY, vol.25, no.5, pp.1325-1333, 2011 (SCI-Expanded)
- XVIII. **Three-dimensional analysis of temperature field for various parameters affect the film cooling effectiveness**
Bayraktar S., Yilmaz T.
ENERGY CONVERSION AND MANAGEMENT, vol.52, pp.1914-1929, 2011 (SCI-Expanded)
- XIX. **Two-dimensional numerical investigation of film cooling by a cool jet injected at various angles for different blowing ratios**
Bayraktar S., Yilmaz T.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, vol.222, no.7, pp.1215-1224, 2008 (SCI-Expanded)
- XX. **Numerical investigation of a water flow in a rib-roughened channel by using Reynolds stress model**
Bayraktar S., Bayraktar M., Vardar N.
INTERNATIONAL JOURNAL OF COMPUTATIONAL FLUID DYNAMICS, vol.22, no.5, pp.331-339, 2008 (SCI-Expanded)
- XXI. **Efficiency optimisation of gas turbine based cogeneration cycle**
YILMAZ T., BAYRAKTAR S., TAŞÇI F.
JOURNAL OF THE ENERGY INSTITUTE, vol.81, no.2, pp.110-113, 2008 (SCI-Expanded)

Articles Published in Other Journals

- I. **Numerical investigation of free rotor aerodynamics**
Sarı S., Doğrul A., Bayraktar S.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, vol.42, no.6, pp.1826-1837, 2024 (ESCI)
- II. **Numerical investigation of flow over tandem and side-by-side cylinders**
Mentese A., Bayraktar S.
Seatific , vol.1, no.1, pp.15-25, 2021 (Peer-Reviewed Journal)
- III. **LAMINAR FLOW OVER SLOPED DOWNSTREAM HEATED BOTTOMWALL BEHIND A BACKWARD-FACING STEP**
Bayraktar S.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, vol.38, no.3, pp.1555-1566, 2020 (ESCI)
- IV. **Numerical investigation of aerodynamic characteristics of generic pickup trucks**
Atatug V., Bayraktar S.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.26, no.1, pp.21-29, 2020 (ESCI)
- V. **Computational Analysis of Effects of Location of the Diverter Plate and Inlet Velocity on the Efficiency of Two-Phase Flow Separator**
Yayla S., Kamal K., Bayraktar S.
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, vol.22, no.3, pp.575-581, 2019 (ESCI)
- VI. **Effects of under body diffuser on the aerodynamics of a generic car**
Bayraktar S., Bilgili Y. O.
International Journal of Automotive Engineering and Technologies, vol.7, no.2, pp.99-109, 2018 (Peer-Reviewed Journal)
- VII. **Computational fluid dynamics analyses on the hydrodynamic entry length in internal flows**
Kahramanoğlu E., Sezen S., Bayraktar S.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.23, no.4, pp.373-377, 2017 (ESCI)

- VIII. **Two Phase Flow Separation in a Horizontal Separator by Inlet Diverter Plate in Oilfield Industries**
Yayla S., Karwan K., Bayraktar S., Oruc M.
International Journal of Mechanical And Production Engineering , vol.5, no.10, pp.7-10, 2017 (Peer-Reviewed Journal)
- IX. **Flow Visualization of Sloshing in an Accelerated Two Dimensional Rectangular Tank**
Gurhan S., Bayraktar S.
International Journal of Engineering Technologies, vol.1, no.3, pp.106-112, 2015 (Peer-Reviewed Journal)
- X. **A Bulk Carrier Hatch Block Analysis with Finite Element Method**
İnce S. T., Demir Ö., Bayraktar S., Yılmaz T.
Annual Scientific Journal of Ovidius University, vol.10, no.1, pp.1-7, 2010 (Peer-Reviewed Journal)
- XI. **Fluid-Structure Interaction (FSI) of a Three-Bladed Marine Propeller**
Alpay O., Demir Ö., Özdemir Y. H., Bayraktar S., Yılmaz T.
Ovidius University Annals of Mechanical, Industrial and Maritime Engineering, vol.10, no.1, pp.1-6, 2008 (Peer-Reviewed Journal)
- XII. **Two-Dimensional Large Eddy Simulation (LES) of Exhaust Smoke Dispersion around a Commercial Ship**
Bayraktar S., Demir Ö., Özdemir Y. H., Alpay O., Yılmaz T.
Ovidius University Annals of Mechanical, Industrial and Maritime Engineering, vol.10, no.1, pp.1-5, 2008 (Peer-Reviewed Journal)
- XIII. **THE INVESTIGATION OF VORTICES BY USING SECOND ORDER TURBULENCE CLOSURE**
Bayraktar S., Yılmaz T.
Havacılık ve Uzay Teknolojileri Dergisi, vol.3, no.22, pp.7-15, 2007 (Peer-Reviewed Journal)
- XIV. **Design and Manufactured a 3-D and Computer-Controlled Traverse Systems for Fluid Dynamics Applications**
BAYRAKTAR S.
EMO Makina Market Dergisi, vol.115, no.1, pp.1-5, 2007 (Peer-Reviewed Journal)
- XV. **Analysis of Exhaust and Stack Systems of a Warship**
Bayraktar S., Safa A., Çelebi U. B., Ekinci S.
Ovidius University Annals of Mechanical Engineering, vol.8, no.1, pp.1-6, 2006 (Peer-Reviewed Journal)
- XVI. **Gemilerde korozyon analizi ve korozyonu etkileyen faktörler**
Barut M., Bayraktar S.
Gemi ve Deniz Teknolojisi Dergisi, vol.3, no.162, pp.1-4, 2004 (Peer-Reviewed Journal)
- XVII. **Hidrolik Güç Sistemlerinde Kavite Olayı ve Saptama Metotlarının İncelenmesi**
Öztürk R., Akkaya A. V., Bayraktar S.
Hidrolik ve Pnömatik Dergisi, vol.3, no.8, pp.140-146, 2003 (Peer-Reviewed Journal)
- XVIII. **Gemi Pervane Malzemeleri**
EKİNCİ S., BAYRAKTAR S.
Gemi ve Deniz Teknolojisi Dergisi, vol.2, no.157, pp.11-16, 2002 (Peer-Reviewed Journal)
- XIX. **Boru ve Silindirik Kanallardaki Engellerin Akım Üzerindeki Etkilerinin Simülasyonu**
Bayraktar S.
Sigma Muhendislik ve Fen Bilimleri Dergisi, vol.21, no.3, pp.83-92, 2002 (ESCI)

Books & Book Chapters

- I. **The Aerodynamic Wind Loads of a Naval Surface Combatant in Model Scale**
Sarı S., Doğrul A., Bayraktar S.
in: New Technologies, Development and Application V, Isak Karabegović, Ahmed Kovačević, Sadko Mandžuka, Editor, Springer Nature, Zug, pp.68-76, 2022
- II. **Section 2: Energy Systems and Analyses**
Bolek A., BAYRAKTAR S.

Refereed Congress / Symposium Publications in Proceedings

- I. **Kara Ve Denizcilik Sektöründe Kullanılan Gaz Temizleyiciler (Scrubbers) Hakkında Literatür İncelemesi**
Türkoğlu F., Bayraktar S.
3rd INTERNATIONAL CONGRESS ON SHIP AND MARINE TECHNOLOGY (SHIP-MAR 2024), Trabzon, Turkey, 10 - 12 December 2024, vol.1, no.1, pp.1-10
- II. **Prediction of Non-Newtonian Taylor-Coutte flow between the cylinders where the inner one is rotating and the outer one is fixed by computational fluid dynamics**
Özdemirler Y. B., Bayraktar S.
8th International ICONTECH congress on Innovative Surveys in Positive Sciences, Baku, Azerbaijan, 16 - 18 March 2024, vol.1, no.1, pp.626-633
- III. **Detached Eddy Simulations of Air Flow Around NATO-Generic Destroyer**
Sarı S., Doğrul A., Bayraktar S.
The 4th International Naval Architecture and Maritime Symposium (INT-NAM 2023) , İstanbul, Turkey, 11 - 13 October 2023, vol.1, no.1, pp.1-10
- IV. **Acoustic Ventilation Metamaterial for Simultaneous Noise Reduction and Air Circulation**
Baydur C., Bayraktar M., Huang S., Wang X., Bağcı F., Bayraktar S.
4th International Naval Architecture and Maritime Symposium (Int-Nam 2023), İstanbul, Turkey, 11 - 13 October 2023, vol.1, no.1, pp.1-9
- V. **Effects of the Nozzle Location on Hydrodynamic Properties of a Venturi- Type Scrubber**
Türkoglu F., Bayraktar S.
The 3rd international conference on innovative academic studies (ICIAS-2023), Konya, Turkey, 26 - 28 September 2023, vol.3, no.1, pp.107-111
- VI. **Numerical Investigation of Free Rotor Aerodynamics for Ship-Rotor Interaction**
Sarı S., Doğrul A., Bayraktar S.
6th International HYBRID Conference on Mathematical Advances and Applications (ICOMAA 2023), İstanbul, Turkey, 10 - 13 May 2023, vol.1, no.1, pp.1-7
- VII. **On the Computational Aerodynamics of a Generic Frigate**
SARI S., DOĞRUL A., BAYRAKTAR S.
2nd International Congress on Ship and Marine Technology, İstanbul, Turkey, 16 - 18 September 2021
- VIII. **1-DOF 2D URANS Simulatiom of Vortex-Induced Vibration of a Cylinder with Different Damping Parameters**
Mutlu A. O., Bayraktar M., Bayraktar S.
4th International Congress on Engineering, Architecture and Design, İstanbul, Turkey, 23 - 24 April 2019, vol.1, no.1, pp.1-10
- IX. **Numerical Investigation of Fridsma Hull**
Cansız M. Y., Kahramanoğlu E., Bayraktar S.
1st International Symposium on Graduate Research in Science: Focus on Entrepreneurship and Innovation, İstanbul, Turkey, 04 October 2018, vol.1, no.1, pp.1-5
- X. **Two-Dimensional Numerical Solution of Heat Transfer and Fluid Flow over a Grooved Circular Cylinder**
Ozturk E., BAYRAKTAR S.
1st International Symposium on Graduate Research in Science Focus on Entrepreneurship and Innovation, İstanbul, Turkey, 04 October 2018, vol.1, no.1, pp.1-5
- XI. **Implementation of Bell Spanload Wing Design to the Autonomous Underwater Vehicle**

Bolek A., BAYRAKTAR S., Konur G., Ataseven A., Pesman E.

The 3rd International Symposium on Naval Architecture and Maritime (INT-NAM 2018), İstanbul, Turkey, 23 April 2018, vol.3, no.1, pp.1-10

- XII. **Heat and Fluid Flow Analyses of an Impinging Jet on a Cubic Body**
Bolek A., BAYRAKTAR S.
2nd International Conference on Energy Systems (ICES 2016), Isparta, Turkey, 21 December 2016, pp.1-10
- XIII. **CFD Analysis of Ventilation System for an Engine Room**
Tasdemir C., BAYRAKTAR S.
1st International Ship and Marine Technology Congress (SHIP-MAR 2016), İstanbul, Turkey, 08 December 2016, pp.1-6
- XIV. **Unsteady Flow Over Bodies Located In Line Horizontally and Vertically**
Mentese A., Bayraktar S.
International Mechanical Engineering and Technologies Conference (MECHATECH`16), İstanbul, Turkey, 17 - 18 May 2016, vol.1, no.1, pp.1-6
- XV. **Resistance Analysis of a Benchmark Ship – A Computational Application**
Gökçe M. K., Bayraktar S., Kınacı Ö. K.
18th Numerical Towing Tank Symposium, Arezzo, Italy, 28 - 30 September 2015, vol.1, no.1, pp.59-64
- XVI. **Heat Transfer and Computational Fluid Dynamics (CFD) Analysis of a Fin Heat Sink with Various Configurations**
Basak M., Bayraktar S., Sevilgen S. H.
International Congress on Natural and Engineering Sciences, 09-13 September 2015, Sarajevo, Bosnia And Herzegovina, 9 - 13 September 2015, vol.1, no.1, pp.1-8
- XVII. **Computational Investigation of Unsteady Flow Past a Confined Cylinder of Various Cross-Sections**
Bayraktar S., Oztekin A., Yayla S., Ma H.
International Conference on Fluid Mechanics, Heat Transfer and Thermodynamics, İstanbul, Turkey, 20 - 21 June 2013, vol.1, no.1, pp.1-8
- XVIII. **Flow and Heat Transfer Characteristics of the Staggered Slotted Semi-Cylinders in a Cross Flow Heat Exchangers**
Yayla S., Oztekin A., Bayraktar S.
65th Annual Meeting of the APS Division of Fluid Dynamics, California, United States Of America, 18 - 20 November 2012, vol.1, no.1, pp.1-4
- XIX. **Investigation of the Effects of Different Keel Geometries on a Sailing Yacht**
Çakıcı F., Doğrul A., Usta O., Bayraktar S.
9th International Conference on Hydrodynamics in Ship Design (HYDROMAN 2012), Gdansk, Poland, 19 - 21 September 2012, vol.1, no.1, pp.1-10
- XX. **Investigation of the Effects of Gurney Flap on the Lift of NACA 0012 Airfoil in Varying Lengths,**
Doğrul A., Çakıcı F., Kınacı Ö. K., Bayraktar S.
19th International Conference on Hydrodynamics in Ship Design (HYDROMAN 2012), 19 th-21th September, 2012, Ilawa, POLAND, Gdansk, Poland, 19 - 21 September 2012, vol.1, no.1, pp.1-10
- XXI. **Turbulent Flow Computations for Slender Ships with Free Surface**
Özdemir Y. H., Bayraktar S., Barlas B.
The First International Symposium on Naval Architecture and Maritime (INT-NAM 2011), 24-25 October 2011, Istanbul, TURKIYE., İstanbul, Turkey, 24 - 25 October 2011, vol.1, no.1, pp.1-8
- XXII. **Computational Flow Analysis of a Submarine**
Bayraktar S., Surer S., Özdemir Y. H., Yılmaz T.
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- XXIII. **Current Naval Architecture Education, Demand and Expectations of Sector**
TURAN E., ARIKAN ÖZDEN Y., BAYRAKTAR S.
International Conference on New Horizons in Education, Famagusta, Cyprus (Kkctc), 23 June 2010, pp.152-157
- XXIV. **Modeling of a HVAC Unit in a Room for Performance Analysis**

Doğrul A., Özdemir Y. H., Bayraktar S.

10th Rehva World Congress on Sustainable Energy Use in Buildings (CLIMA 2010), Antalya, Turkey, 9 - 12 May 2010, vol.1, no.1, pp.1-7

- XXV. **Mixing of Air and CO2 Study on a Turbine Blade**
Bayraktar S., Özdemir Y. H., Yılmaz T.
International Symposium on Heat Transfer in Gas Turbine Systems, (TURBINE-09), 09-14 August 2009, Antalya, TURKEY, Antalya, Turkey, 9 - 14 August 2009, vol.1, no.1, pp.1-4
- XXVI. **Flowfield Analysis of a Rudder by Using Computational Fluid Dynamics**
Bayraktar S., Yılmaz T., Özdemir Y. H.
5th International Advanced Technologies Symposium (IATS-09), 13-15 May 2009, Karabük, TURKEY., Karabük, Turkey, 13 - 15 May 2009, vol.1, no.1, pp.1-5
- XXVII. **Determining optimum geometry for a bow thruster propeller**
Özdemir Y., BAYRAKTAR S., YILMAZ T., GÜNER M.
8th Symposium on High Speed Marine Vehicles, HSMV 2008, Naples, Italy, 21 - 23 May 2008, pp.109-113
- XXVIII. **Effects of Improvement of Mesh Structure on the Computational Analysis**
Bayraktar S., Özdemir Y. H., Yılmaz T.
European Conference for Academic Disciplines organized by Proceedings of International Journal of Arts&Sciences Conference), 01-04 December 2008, Freiburg, Germany, 1 - 04 December 2008, vol.1, no.1, pp.1-7
- XXIX. **Systematic Design: Analysis of Natural Systems and Synectics Approach**
Bayraktar M., Bayraktar S.
European Conference for Academic Disciplines organized by Proceedings of the International Journal of Arts & Sciences Conference, 01-04 December 2008, Freiburg, Germany, 1 - 04 December 2008, vol.1, no.1, pp.1-8
- XXX. **CFD and analytical analysis of exhaust system of a gas turbine used in a ship**
Bayraktar S., Safa A., Yılmaz T.
International Conference of Numerical Analysis and Applied Mathematics (ICNAAM 2007), Ioannina, Greece, 16 - 20 October 2007, vol.1, no.1, pp.1-5
- XXXI. **Investigation of the Effects of Turbulence on a 2-D Rib Roughened Channel**
Bayraktar M., Bayraktar S., Yılmaz T.
11th International Research/Expert Conference "Trends in the Development of Machinery and Associated Technology", (TMT 2007), Tunis, Tunisia, 5 - 09 September 2007, vol.1, no.1, pp.1-4
- XXXII. **CFD Investigation of Normal Jet in a Crossflow by Using Reynolds Stress Turbulence Model**
Bayraktar S., Yılmaz T.
11th International Research/Expert Conference on Trends in the Development of Machinery and Associated Technologies (TMT 2007), 05-09 September, 2007, Hammamet, TUNISIA, Tunis, Tunisia, 5 - 09 September 2007, vol.1, no.1, pp.1-4
- XXXIII. **Large Eddy Simulation and Reynolds-Averaged Navier-Stokes Approaches of Rib Roughened Channel**
Bayraktar S., Vardar N., Özdemir Y. H.
11th International Research/Expert Conference "Trends in the Development of Machinery and Associated Technology" (TMT 2007), Tunis, Tunisia, 5 - 09 September 2007, vol.1, no.1, pp.1-4
- XXXIV. **Computational analysis of wind velocity and direction effects on a sail**
Bayraktar S., Özdemir Y. H., Yılmaz T.
2nd International Conference on Marine Research and Transportation ICMRT-07, 28-30 June 2007, Ischia, Naples, Italy, Naples, Italy, 28 - 30 June 2007, vol.1, no.1, pp.1-8
- XXXV. **Computational Investigation of a Hull**
Özdemir Y. H., Bayraktar S., Yılmaz T.
International Conference on Marine Research and Transportation (ICMRT-07), 28-30 June, 2007, Ischia Island, ITALY., Naples, Italy, 28 - 30 June 2007, vol.1, no.1, pp.1-5
- XXXVI. **NOx emissions from small craft**
Safa A., Bayraktar S., Çelebi U. B.
An International Conference on Small Craft Related Sciences and Engineering (SMALL CRAFT 2006), Muğla, Turkey, 16 - 18 November 2006, vol.1, no.1, pp.1-5

- XXXVII. **Numerical Analysis of Elevated Jet in Crossflow**
Bayraktar S., Yılmaz T.
Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems (ECOS2006), 12-14 July 2006, Iraklion, Greece, 12 - 14 July 2006, vol.1, no.1, pp.1-8
- XXXVIII. **aval Architecture Education in Turkey and Courses Overlapping/Differences between Developed Countries at Ship Building in the World**
Bayraktar S., Ekinci S., Çelebi U. B.
SEFI 34th Annual Conference on Engineering Education and Active Students, Uppsala, Sweden, 28 June - 01 July 2006, vol.1, no.1, pp.1-10
- XXXIX. **Çapraz Akıştaki Türbülanslı Sıcak Jet Akışlarının CFD Analizi**
Bayraktar S., Yılmaz T.
15. Ulusal Isı Bilimi ve Tekniği Kongresi (ULIBTK-05), Trabzon, Turkey, 7 - 09 September 2005, vol.1, no.1, pp.1-6
- XL. **CFD Analysis of Jet Flow in Crossflow**
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The 2nd International Exergy, Energy and Environment Symposium (IEEES 2), 03-07 July 2005, Kos Island, GREECE., Korinthos, Greece, 3 - 05 July 2005, vol.1, no.1, pp.1-6
- XLI. **Computational Analysis of Flow Field in Grooved and Ribbed Pipes**
Vardar N., Bayraktar S.
Proceedings of the 1st Cappadocia International Mechanical Engineering Symposium (CMES-04), Nevşehir, Turkey, 14 - 16 July 2004, vol.1, no.1, pp.1-7

Supported Projects

- Bayraktar S., Doğrul A., Sarı S., TUBITAK Project, Aerodynamic investigation of a generic warship with flight deck, 2023 - 2024
- Demir Ö. C., İnan M., Bayraktar S., TUBITAK Project, Şaftsız (rim-driven) deniz pervanesi tasarım ve analizi, 2022 - 2023
- Sarıtaş E., Terzioğlu B., Bayraktar S., TUBITAK Project, Flow analysis of industrial gas cleaners (scrubbers) used in ship, 2022 - 2023
- Bayraktar S., Tarhan T., Agdogan A., TUBITAK Project, Düzlemsel bir yüzeye yakın konumlandırılmış dairesel kesitli yivli silindirler ardındaki akış ve ısı transfer analizleri, 2021 - 2022
- Yayla S., Bayraktar S., TUBITAK Project, Atık Suyun Ve Petrol-Su Karışımının Ayrıştırılması Sistemlerinde Kullanılacak Egimli Birleştirilmiş Plaka Setlerinin Tasarımı Ve Sayısal Olarak İncelenmesi, 2021 - 2022
- Özkara E., Ağyurek O., Bayraktar S., TUBITAK Project, Yangına Dayanıklı (A0) Ve Su Geçirmez Hidro Elektrik Otomatik Kayar Kapıların Tasarımı Prototip Üretimi Ve Tip Onay Testleri, 2018 - 2020
- Sevilgen S. H., Başak M., Bayraktar S., Industrial Thesis Project, Soğutmalı Basınçlı Hava Kurutucu Dizaynı ve Optimizasyonu, 2012 - 2015
- BAYRAKTAR S., Project Supported by Higher Education Institutions, Altı (6) Serbestlik Dereceli Gemi Hareketlerinin Deneysel Ve Sayısal Olarak İncelenmesi, 2011 - 2014
- BAYRAKTAR S., Laboratory Tip Approval Tests of High Velocity Pressure-Vacuum Valve TMG-3/1968 according to IMO/MSC/Circ.677/Circ.1009, ISO 15364:2007(E) and ISO 16852:2010(E), 2011 - 2011
- BAYRAKTAR S., CFD and FEM Analyses of Plate Orifices with Various Geometries, 2011 - 2011
- Yılmaz T., Bayraktar S., Yüksek İ., Gül Z., Project Supported by Other Official Institutions, Flow Analysis & Environmental Impacts of Industrial Chimney Gasesous by means of Experimental & Computational Fluid Dynamics (CFD), 2005 - 2008
- BAYRAKTAR S., Laboratory Tip Approval Tests for High Velocity Pressure/Vacuum Valve HNG-4/1923 Automatic according to IMO/MSC/Circ.677/Cic.1009 and TS EN ISO 15364 (2004), 2006 - 2006
- BAYRAKTAR S., Laboratory Tip Approval Tests for ABS-6/1952 Flame Arrester according to IMO/MSC/Circ.677/Circ.1009 ve TS EN ISO 15364(2004), 2006 - 2006

Activities in Scientific Journals

Seatific Journal, Assistant Editor/Section Editor, 2022 - Continues

Memberships / Tasks in Scientific Organizations

Turkish Chamber of Naval Architects and Marine Engineers, Member, 1998 - Continues, Turkey

Scientific Refereeing

Journal of Heat and Mass Transfer, Journal Indexed in SCI-E, September 2024

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Yildiz Technical University, Turkey, August 2024

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, Journal Indexed in SCI-E, June 2024

Multiscale and Multidisciplinary Modeling, Experiments and Design, Journal Indexed in ESCI, December 2023

JOURNAL OF APPLIED FLUID MECHANICS, Journal Indexed in SCI-E, December 2023

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, TÜBİTAK, Turkey, December 2023

TUBITAK Project, 1002 - Quick Support Program, Yildiz Technical University, Turkey, November 2023

JOURNAL OF APPLIED FLUID MECHANICS, Journal Indexed in SCI-E, October 2023

Sinop Üniversitesi Fen Bilimleri Dergisi, National Scientific Refreed Journal, October 2023

TUBITAK Project, 1002 - Quick Support Program, Yildiz Technical University, Turkey, October 2023

TUBITAK Project, 1002 - Quick Support Program, Yildiz Technical University, Turkey, October 2023

JOURNAL OF ETA MARITIME SCIENCE, Journal Indexed in ESCI, August 2023

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, Journal Indexed in SCI-E, August 2023

Other International Funding Programs, The International Association of Maritime Universities, Japan, July 2023

Other International Funding Programs, The International Association of Maritime Universities, Japan, July 2023

Other International Funding Programs, The International Association of Maritime Universities, Japan, July 2023

Other International Funding Programs, The International Association of Maritime Universities, Turkey, July 2023

PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSİTESİ MUHENDİSLİK BİLİMLERİ DERGİSİ, Journal Indexed in ESCI, June 2023

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Yildiz Technical University, Turkey, June 2023

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Journal of Thermal Engineering, Journal Indexed in ESCI, May 2023

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, Journal Indexed in SCI-E, December 2022

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, Journal Indexed in SCI-E, November 2022

APPLIED MATHEMATICAL MODELLING, Journal Indexed in SCI-E, September 2022

JOURNAL OF HEAT TRANSFER, Journal Indexed in SCI-E, September 2022

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, Journal Indexed in SCI-E, September 2022

ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, Journal Indexed in SCI-E, August 2022

INTERNATIONAL JOURNAL OF CARDIOVASCULAR IMAGING, Journal Indexed in SCI-E, August 2022

SHOCK AND VIBRATION, Journal Indexed in SCI-E, August 2022

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, Journal Indexed in SCI-E, July 2022

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, Diğer, Turkey, July 2022

Project Supported by Higher Education Institutions, BAP Research Project, Bursa Technical University, Turkey, June 2022

Yüzüncü Yıl Üniversitesi Fen Bilimleri Enstitüsü Dergisi, Other Journals, May 2022

Seafic , Other Journals, May 2022

Journal of Thermal Engineering, Journal Indexed in ESCI, April 2022

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART M-JOURNAL OF ENGINEERING FOR THE MARITIME ENVIRONMENT, Journal Indexed in SCI-E, January 2022

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, Journal Indexed in SCI-E, January 2022

ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, Journal Indexed in SCI-E, December 2021

ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, SCI Journal, December 2021

Journal of Thermal Engineering , Journal Indexed in ESCI, December 2021

INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, SCI Journal, December 2021

ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, Journal Indexed in SCI-E, October 2021

OCEAN ENGINEERING, SCI Journal, August 2021

International Journal of Fluid Mechanics Research, Journal Indexed in ESCI, August 2021

TUBITAK Project, 1511 - TUBITAK Priority Fields Research Technology Development and Innovation PDP, Özel şirket, Turkey, August 2021

SIGMA Journal of Engineering and Science , Journal Indexed in ESCI, July 2021

The Journal of Ocean Technology , Other Indexed Journal, July 2021

TUBITAK Project, 1005 - National New Ideas and Products Research Support Program, Yıldız Technical University, Turkey, July 2021

OCEAN ENGINEERING, Journal Indexed in SCI-E, June 2021

JOURNAL OF HEAT TRANSFER-TRANSACTIONS OF THE ASME, SCI Journal, June 2021

Jordan Journal of Mechanical and Industrial Engineering, Journal Indexed in ESCI, May 2021

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Yıldız Technical University, Turkey, May 2021

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART G-JOURNAL OF AEROSPACE ENGINEERING, SCI Journal, January 2021

JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY, SCI Journal, December 2020

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, Özel şirket, Turkey, October 2020

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Yıldız Technical University, Turkey, September 2020

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Yıldız Technical University, Turkey, September 2020

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Yıldız Technical University, Turkey, September 2020

IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY-TRANSACTIONS OF MECHANICAL ENGINEERING, SCI Journal, August 2020

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART G-JOURNAL OF AEROSPACE ENGINEERING, SCI Journal, August 2020

TUBITAK Project, 3501 - National Young Researcher Career Development Program, TÜRKİYE BİLİMSEL VE TEKNOLOJİK ARAŞTIRMA KURUMU, Turkey, June 2020

INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, SCI Journal, May 2020

AFYON KOCATEPE ÜNİVERSİTESİ FEN VE MÜHENDİSLİK BİLİMLERİ DERGİSİ, National Scientific Refreed Journal, May 2020

International journal of advances in engineering and pure sciences (Online), National Scientific Refreed Journal, May 2020

Journal of Engineering and Technological Sciences, Journal Indexed in ESCI, February 2020

JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY, SCI Journal, February 2020

TUBITAK Project, 1501 - Industry R & D Projects Support Program, anonim, Turkey, February 2020

journal of Thermal Engineering, Journal Indexed in ESCI, January 2020

The Third International Conference on Mechanical, Electric and Industrial Engineering (MEIE2020), Kunming, China, Conference Paper (Full Text), January 2020

Bilecik Seyh Edebali University Journal of Science, Other Indexed Journal, December 2019

Pamukkale University Journal of Engineering Sciences, Journal Indexed in ESCI, November 2019

JOURNAL OF THERMAL ENGINEERING, Journal Indexed in ESCI, October 2019

TUBITAK Project, 1002 - Quick Support Program, Istanbul Technical University, Turkey, October 2019

Polytechnic Journal, Journal Indexed in ESCI, August 2019

International journal of advances in engineering and pure sciences (Online), National Scientific Refreed Journal, July 2019

International journal of advances in engineering and pure sciences (Online), National Scientific Refreed Journal, July 2019

22. Isı Bilimi ve Tekniği Kongresi (ULIBTK2019) , Conference Paper (Full Text), July 2019

Project Supported by Higher Education Institutions, BAP Research Project, Istanbul Technical University, Turkey, July 2019

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, TÜBİTAK, Turkey, June 2019

International Journal of Advances in Engineering and Pure Sciences, Other Indexed Journal, May 2019

Fluid Dynamics Research, SCI Journal, April 2019

Journal of Mechanical Science and Technology, SCI Journal, April 2019

Project Supported by Higher Education Institutions, BAP Research Project, Yildiz Technical University, Turkey, April 2019

Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, National Scientific Refreed Journal, March 2019

Environmental Fluid Mechanics, SCI Journal, January 2019

DSI Technical Bulletin, National Scientific Refreed Journal, December 2018

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, TÜBİTAK, Turkey, November 2018

TÜBİTAK International Bilateral Joint Cooperation Program Project, Polish National Centre for Research and Development, NCBR Bilateral Cooperation Program, Gdansk Teknik Üniversitesi, Poland, November 2018

European Physical Journal - Applied Physics, SCI Journal, October 2018

The European Physical Journal , SCI Journal, October 2018

European Physical Journal Applied Physics, SCI Journal, August 2018

Academic Globalization and Inter-Cultural Communication (AGIC 2018), Orlando, Florida, USA, Other journals, July 2018

Journal of Mechanical Science and Technology, SCI Journal, July 2018

The European Physical Journal , SCI Journal, June 2018

The 3rd International Symposium on Naval Architecture and Maritime (INT-NAM 2018), Istanbul, Turkey, Other journals, April 2018

Project Supported by Higher Education Institutions, March 2018

Journal of Mechanical Science and Technology, SCI Journal, February 2018

Experimental Aerodynamics, Scientific / Professional Book Published by Renowned Publishing Houses, December 2017

Proceedings of the Institution of Mechanical Engineers Part E-Journal of Process Mechanical Engineering, SCI Journal, October 2017

Journal of ETA Maritime Science, National Scientific Refreed Journal, August 2017

Research on Engineering Structures and Materials, Other Indexed Journal, August 2017

Journal of Mechanical Science and Technology, SCI Journal, February 2017

9th International Exergy, Energy and Environment Symposium (IEEES-9), , Other journals, February 2017

1st INTERNATIONAL SHIPBUILDING AND MARINE TECHNOLOGY CONGRESS (GMO-SHIPMAR 2016), Other journals, November 2016

Journal of Aerospace Engineering, SCI Journal, September 2015

Chemical Engineering Communications, 2015 , SCI Journal, August 2015

Ocean Engineering, 2015, SCI Journal, May 2015

International Congress on Natural and Engineering Sciences, SCI Journal, May 2015

7.nci Uluslararası Muhendislik ve Teknolojik Inovasyon Multi-Konferansı-IMETI 2014, SCI Journal, June 2014

Proceedings of the Institution of Mechanical Engineers, Part C, Journal of Mechanical Engineering Science, SCI Journal, September 2013

International Journal of Thermal Sciences, SCI Journal, April 2013

Engineering Applications of Computational Fluid Mechanics, SCI Journal, March 2013

International Journal of Mechanical Science and Technology, SCI Journal, January 2013

Journal of Mechanical Science and Technology, SCI Journal, September 2012

The 4th International Conference on Engineering and Meta-Engineering (IMECE 2013), March 19-22, 2013, Orlando, Florida, USA, SCI Journal, September 2012

Journal of Mechanical Science and Technology , SCI Journal, February 2012

Journal of Mechanical Engineering Science, SCI Journal, January 2012

International Conference on Engineering and Meta-Engineering (ICEME 2012), 25-28 March 2012, Orlando, Florida, USA (1 PAPER), SCI Journal, December 2011

5th International WSEAS Conference on Maritime and Naval Science and Engineering (MN'12), 25-27 February 2011, Cambridge, United Kingdom (2 PAPERS), SCI Journal, December 2011

9th WSEAS International Conference on Heat and Mass Transfer (HMT'12), 26-28 January 2012, Boston, USA (3 PAPERS), SCI Journal, November 2011

Engineering Applications in Computational Fluid Mechanics, 2011 (2 PAPERS), SCI Journal, October 2011

Journal of Mechanical Engineering Science and Technology, 2011, (5 PAPERS), SCI Journal, September 2011

Computer and Fluids, 2011 (1 PAPER), SCI Journal, August 2011

4th Symposium on Academic Globalization: AG, 2011, 19-22 July 2011, Orlando, Florida, USA, (1 PAPER), SCI Journal, June 2011

The Second International Conference on Engineering and Meta-Engineering (ICEME 2011), 27-30 March 2011, Orlando, Florida, USA (1 PAPER), SCI Journal, January 2011

Sigma Mühendislik ve Fen Bilimleri Dergisi (YTÜ), 2010 (1 MAKALE), National Scientific Refreed Journal, November 2010

Engineering Applications of Computational Fluid Dynamics, 2010, (1 PAPER), SCI Journal, June 2010

3rd International Multi-Conference on Engineering and Technological Innovation (IMETI 2010), June 29-July 02 2010, Orlando, Florida, USA, (1 PAPER), SCI Journal, May 2010

Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2010, (1 PAPER), SCI Journal, May 2010

4th International Multi-Conference on Engineering and Technological Innovation (IMETI 2011), 01-22 July 2010, Orlando, Florida, USA, (1 PAPER), SCI Journal, May 2010

Journal of Mechanical Engineering Science and Technology, 2010, (1 PAPER), SCI Journal, March 2010

2nd International Multi-Conference on Engineering and Technological Innovation (IMETI 2009), 10-13 July 2009, Orlando, Florida, USA, (2 PAPERS), SCI Journal, May 2009

3rd Symposium on Academic Globalization: AG, 2009, 10-13 July 2009, Orlando, Florida, USA, (3 PAPERS), SCI Journal, April 2009

Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2009, (1 PAPER), SCI Journal, January 2009

Scientific Consultations

Yalin Tasarim Muhendislik, Project Consultancy, Yildiz Technical University, Gemi İnşaatı ve Gemi Makineleri Mühendisliği

, Gemi İnşaatı ve Gemi Makineleri Mühendisliği , Turkey, 2018 - 2018

Alsanfak, Project Consultancy, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Naval Architecture And Marine Engineering, Turkey, 2012 - 2012

TEKNO-MAR Gemicilik, Project Consultancy, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Naval Architecture And Marine Engineering, Turkey, 2011 - 2011

Tasks In Event Organizations

Bayraktar S., 4th International Naval Architecture and Maritime Symposium (INT-NAM 2023), Scientific Congress, İstanbul, Turkey, Ekim 2023

Scientific Research / Working Group Memberships

Akustik Metamalzemeler Araştırma Grubu, Yildiz Technical University, Türkiye, <https://avesis.yildiz.edu.tr/arastirma-grubu/amag>, 2021 - Continues

Mobility Activity

Post Doc, Post Doc, Lehigh University, United States Of America, 2012 - 2013

Metrics

Publication: 86

Citation (WoS): 129

Citation (Scopus): 149

H-Index (WoS): 7

H-Index (Scopus): 7

Congress and Symposium Activities

The 3rd International Symposium on Naval Architecture and Maritime (INT-NAM 2018), Session Moderator, İstanbul, Turkey, 2018

7th International Advanced Technologies Symposium (IATS'13), Session Moderator, İstanbul, Turkey, 2013

Scholarships

Doktora Sonrasi Arastirma-Amerika Birleşik Devletleri, Lehigh University (Nisan 2012-Nisan 2013), YOK, 2012 - 2013

Non Academic Experience

Lehigh University