

Prof. Tamer YILMAZ

Personal Information

Fax Phone: [+90 212 383 2989](tel:+902123832989)

Email: tyilmaz@yildiz.edu.tr

Web: <https://www.avesis.yildiz.edu.tr/tyilmaz>

Address: Yıldız Teknik Üniversitesi, Gemi İnşaatı ve Denizcilik Fak. Beşiktaş

International Researcher IDs

ORCID: 0000-0001-9207-7731

Publons / Web Of Science ResearcherID: AAH-6169-2019

ScopusID: 7006525149

Yoksis Researcher ID: 189755

Education Information

Doctorate, İstanbul Technical University, Fen Bilimleri Enstitüsü, Turkey 1994 - 1998

Postgraduate, Yıldız Technical University, Graduate School Of Natural And Applied Sciences, Gemi İnşaatı Müh. Prog., Turkey 1991 - 1993

Undergraduate, Yıldız Technical University, Faculty Of Mechanical Engineering, Gemi İnşaatı Ve Gemi Makineleri Mühendisliği, Turkey 1987 - 1991

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Engineering and Technology

Academic Titles / Tasks

Professor, Yıldız Technical University, Naval Architecture And Maritime Faculty, 2007 - Continues

Associate Professor, Yıldız Technical University, 2001 - 2007

Assistant Professor, Yıldız Technical University, 1999 - 2001

Research Assistant, Yıldız Technical University, 1992 - 1996

Academic and Administrative Experience

Rector, Hasan Kalyoncu University, Rectorate, 2013 - 2018

Vice Rector, Yıldız Technical University, 2010 - 2012

Director of The Institution, Yıldız Technical University, Graduate School of Natural and Applied Sciences, 2009 - 2010

Head of Department, Yıldız Technical University, Naval Architecture And Maritime Faculty, 2007 - 2009

Advising Theses

Yılmaz T., Gaz türbinli gemilerde ekserji ve termodinamik analiz, Postgraduate, T.ÇUBUĞUUZUN(Student), 2006

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The manufacturing adaptive capabilities of firms: the role of technology, market and management systems-related adaptive capabilities**
KESKİN H., AKGÜN A. E., ESEN E., YILMAZ T.
JOURNAL OF MANUFACTURING TECHNOLOGY MANAGEMENT, vol.33, no.8, pp.1429-1449, 2022 (SCI-Expanded)
- II. **Key Performance Indicators of Vocational Education and Training in the Construction Industry**
İŞIK Z., BUDAYAN C., ALADAĞ H., DEMİRDÖĞEN G., YILMAZ T., ARDITİ D.
TEKNİK DERGİ, vol.30, no.3, pp.9147-9174, 2019 (SCI-Expanded)
- III. **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)
- IV. **NUMERICAL AND EXPERIMENTAL STUDY OF TURBULENT FREE SURFACE FLOW FOR A FAST SHIP MODEL**
Ozdemir Y. H., Barlas B., YILMAZ T., BAYRAKTAR S.
BRODOGRADNJJA, vol.65, no.1, pp.39-54, 2014 (SCI-Expanded)
- V. **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)
- VI. **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)
- VII. **Power and Efficiency Analysis of Brayton Cycles with Internal Irreversibility**
ATMACA M., GÜMÜŞ M., YILMAZ T.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.32, no.14, pp.1301-1315, 2010 (SCI-Expanded)
- VIII. **Optimization of Irreversible Cogeneration Systems under Alternative Performance Criteria**
ATMACA M., GÜMÜŞ M., İNAN A. T., YILMAZ T.
INTERNATIONAL JOURNAL OF THERMOPHYSICS, vol.30, no.5, pp.1724-1732, 2009 (SCI-Expanded)
- IX. **Efficiency of an Otto engine under alternative power optimizations**
GÜMÜŞ M., ATMACA M., Yimaz T.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.33, no.8, pp.745-752, 2009 (SCI-Expanded)
- X. **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)
- XI. **Efficient power analysis for an irreversible Carnot heat engine**
YILMAZ T., Durmuşoğlu Y.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.32, no.7, pp.623-628, 2008 (SCI-Expanded)
- XII. **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)
- XIII. **Performance optimization of a Joule-Brayton engine based on the efficient power criterion**
Yilmaz T.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART A-JOURNAL OF POWER AND ENERGY,

- vol.221, pp.603-607, 2007 (SCI-Expanded)
- XIV. **Optimization of a regenerative gas-turbine cogeneration system based on a new exergetic performance criterion: exergetic performance coefficient**
 Üst Y., Sahin B., Yilmaz T.
 PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART A-JOURNAL OF POWER AND ENERGY, vol.221, pp.447-457, 2007 (SCI-Expanded)
- XV. **Thermoeconomic analysis of a solar driven heat engine**
 Sahin B., Üst Y., Yilmaz T., Akçay İ. H.
 RENEWABLE ENERGY, vol.31, no.7, pp.1033-1042, 2006 (SCI-Expanded)
- XVI. **Analysis of an unconventional cycle as a new comparison standard for practical heat engines: the circular/elliptical cycle in T-S diagram**
 Sahin B., Üst Y., Kodal A., Yilmaz T.
 INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.28, no.13, pp.1159-1175, 2004 (SCI-Expanded)
- XVII. **Thermoeconomic optimization for irreversible absorption refrigerators and heat pumps**
 Kodal A., ŞAHİN B., Ekmekci I., YILMAZ T.
 Energy Conversion and Management, vol.44, no.1, pp.109-123, 2003 (SCI-Expanded)
- XVIII. **Effects of internal irreversibility and heat leakage on the finite time thermoeconomic performance of refrigerators and heat pumps**
 Kodal A., ŞAHİN B., YILMAZ T.
 Energy Conversion and Management, vol.41, no.6, pp.607-619, 2000 (SCI-Expanded)
- XIX. **Comparative performance analysis of irreversible carnot heat engines under maximum power density and maximum power conditions**
 Kodal A., ŞAHİN B., YILMAZ T.
 Energy Conversion and Management, vol.41, no.3, pp.235-248, 2000 (SCI-Expanded)
- XX. **Exergy optimization for an endoreversible cogeneration cycle**
 ŞAHİN B., Kodal A., Ekmekçi I., Yilmaz T.
 Energy, vol.22, no.5, pp.551-557, 1997 (SCI-Expanded)
- XXI. **Maximum power density analysis of an irreversible Joule-Brayton engine**
 Sahin B., Kodal A., Yilmaz T., Yavuz H.
 JOURNAL OF PHYSICS D-APPLIED PHYSICS, vol.29, no.5, pp.1162-1167, 1996 (SCI-Expanded)

Articles Published in Other Journals

- I. **Role of Vocational Education and Training in the Construction Industry Performance**
 İŞIK Z., ALADAĞ H., DEMİRDÖĞEN G., BUDAYAN C., YILMAZ T.
 International Journal of Business and Management Studies (IJBMS), vol.7, pp.1-8, 2018 (Peer-Reviewed Journal)
- II. **Bir Suüstü Savaş Gemisi Formunun Hesaplamalı Açışkanlar Dinamiği Yöntemleriyle Optimizasyonu**
 ŞENER B., YILMAZ T.
 YTÜ Sigma Mühendislik ve Fen Bilimleri Dergisi, vol.30, no.3, pp.350-363, 2012 (Peer-Reviewed Journal)
- III. **Fluid-Structure Interaction (FSI) of a Three-Bladed Marine Propeller**
 Alpay O., Demir Ö., Özdemir Y. H., Bayraktar S., Yilmaz T.
 Ovidius University Annals of Mechanical, Industrial and Maritime Engineering, vol.10, no.1, pp.1-6, 2008 (Peer-Reviewed Journal)
- IV. **Two-Dimensional Large Eddy Simulation (LES) of Exhaust Smoke Dispersion around a Commercial Ship**
 Bayraktar S., Demir Ö., Özdemir Y. H., Alpay O., Yilmaz T.
 Ovidius University Annals of Mechanical, Industrial and Maritime Engineering, vol.10, no.1, pp.1-5, 2008 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **The Relationship between National Technological Initiative of Türkiye and Technological Planning**
KESKİN H., YILMAZ T.
in: National Technology Initiative; Social Reflections and the Future of Turkey, , Editor, TÜBA, pp.193-208, 2022

Refereed Congress / Symposium Publications in Proceedings

- I. **Bir Okul Yapısına Pasif Isıtma Sistemi Uygulaması**
KOYUN A., Gedik G., Yilmaz T.
ULIBTK15, Trabzon, Turkey, 02 September 2015, vol.0
- II. **Role of Vocational Education and Training in the Construction Industry Performance**
İŞIK Z., ALADAĞ H., DEMİRDÖĞEN G., BUDAYAN C., YILMAZ T.
IJAS 2018 (International Journal of Arts Sciences) - International Conference for Teaching and Education, 23 - 27 July 2018
- III. **Investigation of Charge Weight and Shock Factor Effect on Non-linear Transient Structural Response of Rectangular Plates Subjected to Underwater Explosion (UNDEX) Shock Loading**
DEMİR Ö., Sahin A., YILMAZ T.
International Conference of Numerical Analysis and Applied Mathematics (ICNAAM), Kos, Greece, 19 - 25 September 2012, vol.1479, pp.2352-2355
- IV. **Determining optimum geometry for a bow thruster propeller**
Ozdemir 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
- V. **Cfd and analytical analysis of exhaust system of a gas turbine used in a ship**
Bayraktar S., SAFA A., YILMAZ T.
International Conference on Numerical Analysis and Applied Mathematics, Corfu, Greece, 16 - 20 September 2007, vol.936, pp.619-620
- VI. **Manyetohidrodinamik Güç Üretim Sistemiyle Doğrudan Elektrik Üretimi**
Yılmaz T.
Yıldız Teknik Üniversitesi, 01 February 1999

Supported Projects

- İşik Z., Yılmaz T., EU Supported Other Project, A Smart Network for Technology Transfer and Commercialization with Funnel Model, 2018 - 2023
- Budayan C., İşik Z., Aladağ H., Yılmaz T., Demirdögen G., EU Supported Other Project, Determination of a European Standart for Key Performance Indicators KPIs in Vocational Training Models of Construction Industry, 2014 - 2017
- İşik Z., Çolak Çakır Ö. Ü., Hüdaverdi M., Yılmaz T., TUBITAK Project, YTÜ Teknoloji Transfer Ofisi Projesi, 2013 - 2014
- Yılmaz H., Özkaraya B., İşik Z., Yılmaz T., Project Supported by Other Official Institutions, İstanbul Çevre Düzeni Planının Kıyı Alanlarına İlişkin Yaklaşımının Mekana Yansıtılmasına Yönelik Araştırma, Değerlendirme Ve Model Geliştirme İşi, 2011 - 2013
- Gür M., Yılmaz T., Demir H., Çağdaş V., İşik Z., Gümüşay M. Ü., Project Supported by Other Official Institutions, İstanbul Çevre Düzeni Planının Kıyı Alanlarına İlişkin Yaklaşımının Mekana Yansıtılmasına Yönelik Araştırma, Değerlendirme Ve Model Geliştirme İşi, 2011 - 2012
- YILMAZ T., Project Supported by Higher Education Institutions, Hesaplamalı Akışkanlar Dinamiği Yöntemleriyle Gemi Formu Optimizasyonu, 2010 - 2012
- YILMAZ T., Project Supported by Higher Education Institutions, İstatistiksel Enerji Analiz Metodu ile Bir Geminin Titreşim ve Gürültü Analizi, 2010 - 2012
- YILMAZ T., Project Supported by Higher Education Institutions, Kabotaj hattı deniz taşımacılığının etüdü ve optimum

Metrics

Publication: 48

Citation (WoS): 450

Citation (Scopus): 608

H-Index (WoS): 11

H-Index (Scopus): 12

Non Academic Experience

Türk Loydu Vakfı

TÜRK LOYDU

Türk Loydu İktisadi İşletmesi

Yıldız Teknik Üniversitesi Vakfı-İktisadi İşletmesi

Yıldız Teknik Üniversitesi-Sürekli Eğitim Merkezi

İstanbul Teknoloji Geliştirme Bölgesi A.Ş

Yıldız Teknik Üniversitesi

Yıldız Teknik Üniversitesi

Yıldız Teknik Üniversitesi

TMMOB Gemi Mühendisleri Odası