

Asst. Prof. BARIŞ YILMAZ

Personal Information

Place of birth: KARS

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Education Information

Doctorate, Université d'Orléans, Ecole Doctorale, Energetique, France 2005 - 2010

Doctorate, Marmara University, Faculty of Engineering, Mechanical Engineering, Turkey 2002 - 2010

Post Graduate, Marmara University, Faculty of Engineering, Mechanical Engineering, Turkey 1999 - 2002

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Computational analysis and experimental verification of premixed combustion of hydrogen methane/air mixtures, Marmara University, Faculty of Engineering, Makine Mühendisliği Bölümü, 2010

Post Graduate, Modification and development of an internal combustion engine simulation program, Marmara University, Faculty of Engineering, Makine Mühendisliği Bölümü, 2002

Research Areas

Mechanical Engineering, Energy, Fluid Mechanics, Conventional Energy Systems and Their Technology, Nuclear Energy, Thermodynamics

Academic Titles / Tasks

Assistant Professor, Marmara University, Faculty of Engineering, Mechanical Engineering, 2010 - Continues

Research Assistant, Marmara University, Faculty of Engineering, Mechanical Engineering, 1999 - 2010

Professional Experience

Üniversite Sanayi İşbirliği Kom. Üy., Marmara University, Faculty of Engineering, Mechanical Engineering, 2015 - Continues

İntibak Komisyonu Üy., Marmara University, Faculty of Engineering, Mechanical Engineering, 2010 - Continues

Courses

Advanced Heat and Mass Transfer, Post Graduate, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020
Energy Conversion Systems 1, Under Graduate, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020
Thermodynamics 2, Under Graduate, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020
Advanced Engineering Mathematics, Post Graduate, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020
Thermodynamics 1, Under Graduate, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020
HVAC System Design, Under Graduate, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020
Programlamaya giriş, Under Graduate, 2010 - 2011, 2011 - 2012, 2012 - 2013, 2013 - 2014, 2014 - 2015
Introduction to Thermal Sciences, Under Graduate, 2012 - 2013, 2013 - 2014

Advising Theses

Yılmaz B., Numerical Analysis and Experimental Validation of Fluidized Bed Gasification Systems with Low-rank Coal Fuels, Doctorate, Y.YÜKSELENTÜRK(Student), Continues
Yılmaz B., Analysis of a Pressurized Oxy-fuel Fluidized Bed Combustion System for Domestic Coal Fuels, Post Graduate, B.AYŞE(Student), Continues
Yılmaz B., Analysis of a Pressurized Oxy-Combustion Bubbling Fluidized Bed System Using Biomass Fuel, Post Graduate, Z.BEKTAŞ(Student), Continues
Özdoğan Z. S. , Yılmaz B., Modeling of oxygen-enriched and oxy-combustion of lignite in cfbc and verification with experiments, Doctorate, D.GÜNDÜZ(Student), 2020
Yılmaz B., Experimental analysis of refrigeration system using phasechange material for energy efficiency improvement, Post Graduate, D.KURTBOĞAN(Student), 2020
Yılmaz B., Gökalp İ., Numerical investigations of models for use in computational fluid dynamics simulations of pulverized coal flames with emphasis on thermal decomposition and combustion stages, Doctorate, E.KAPUSUZ(Student), 2018
Yılmaz B., Numerical analysis of a cascade refrigeration system operating at ultra-low temperatures, Post Graduate, Ü.SINAR(Student), 2018
Yılmaz B., Numerical and experimental investigation of a domestic natural gas burner and analysis of modifications to achieve low nox emissions, Post Graduate, E.UZA(Student), 2017
Yılmaz B., Experimental analysis and performance evaluation of a cascade refrigeration system using CO2 as refrigerant, Post Graduate, A.ÖZYURT(Student), 2015
ALPMAN E., YILMAZ B., A transport equation model for the residual stress tensor in large eddy simulation of axial turbine flows, Doctorate, S.ABDALLAH(Student), 2014

Jury Memberships

Post Graduate, Post Graduate, İstanbul Teknik Üniversitesi, February, 2021
Doctoral Examination, Doctoral Examination, Yeditepe Üniversitesi, February, 2021
Doctoral Examination, Doctoral Examination, Yeditepe Üniversitesi, February, 2021
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, İstanbul Teknik Üniversitesi, September, 2020
Post Graduate, Post Graduate, Marmara Üniversitesi, August, 2020
Post Graduate, Post Graduate, İstanbul Teknik Üniversitesi, June, 2020
Doctorate, Doctorate, Yeditepe Üniversitesi, June, 2020
Post Graduate, Post Graduate, Yeditepe Üniversitesi, September, 2019
Post Graduate, Post Graduate, İstanbul Teknik Üniversitesi, June, 2019
Doctorate, Doctorate, Marmara Üniversitesi, December, 2018

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Yeditepe Üniversitesi, September, 2018

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, İstanbul Teknik Üniversitesi, September, 2018

Doctoral Examination, Doctoral Examination, Yeditepe Üniversitesi, September, 2018

Post Graduate, Post Graduate, Marmara Üniversitesi, June, 2017

Post Graduate, Post Graduate, Marmara Üniversitesi, June, 2015

Doctoral Examination, Doctoral Examination, Marmara Üniversitesi, January, 2015

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

- I. **Experimental investigation of PCM location in a commercial display cabinet cooled by a transcritical CO₂ system**
YILMAZ D., MANÇUHAN E., YILMAZ B.
International Journal Of Refrigeration-Revue Internationale Du Froid, vol.120, pp.396-405, 2020 (Journal Indexed in SCI)
- II. **Effect of Recycled Flue Gas Ratio on Combustion Characteristics of Lignite Oxy-Combustion in a Circulating Fluidized Bed**
Raheem D. G. , YILMAZ B., Kayahan U., Ozdogan S.
ENERGY & FUELS, vol.34, no.11, pp.14786-14795, 2020 (Journal Indexed in SCI)
- III. **THEORETICAL ANALYSIS OF A CASCADE REFRIGERATION SYSTEM WITH NATURAL AND SYNTHETIC WORKING FLUID PAIRS FOR ULTRA LOW TEMPERATURE APPLICATIONS**
YILMAZ B., MANÇUHAN E., YILMAZ D.
Isi Bilimi Ve Teknigi Dergisi-Journal Of Thermal Science And Technology, vol.40, no.1, pp.141-153, 2020 (Journal Indexed in SCI)
- IV. **Cold Flow Simulation of a 30 kWth CFB Riser with CPFD**
GÜNDÜZ D., YILMAZ B., ÖZDOĞAN Z. S.
Journal of Applied Fluid Mechanics, vol.13, no.2, pp.603-614, 2020 (Journal Indexed in SCI)
- V. **Analysis of fluidization behavior in the loop-seal of a circulating fluidized bed gasifier using particle-in-cell method**
Yukselenturk Y., YILMAZ B.
PARTICULATE SCIENCE AND TECHNOLOGY, vol.37, no.8, pp.989-1002, 2019 (Journal Indexed in SCI)
- VI. **Assessment of Global and Network Models of Devolatilization for Numerical Analysis of Pulverized Coal Combustion**
Kapusuz E., YILMAZ B., Gokalp I.
COMBUSTION SCIENCE AND TECHNOLOGY, vol.191, no.3, pp.520-537, 2019 (Journal Indexed in SCI)
- VII. **The performance evaluation of R744 transcritical ejector and R290/R744 cascade refrigeration systems for Turkey**
Yılmaz D., Yılmaz B., Mançuhan E.
Thermal Science, vol.23, no.6, pp.4031-4041, 2018 (Journal Indexed in SCI)
- VIII. **A parametric study on a subcritical CO₂/NH₃ cascade refrigeration system for low temperature applications**
Yılmaz B., Mançuhan E., Erdönmez N.
Journal Of Energy Resources Technology-Transactions Of The Asme, vol.140, pp.920041-920047, 2018 (Journal Indexed in SCI Expanded)
- IX. **Analysis of Turbulent Lean Premixed Methane-Air Flame Statistics at Elevated Pressures**
YILMAZ B., Gokalp I.
ENERGY & FUELS, vol.31, no.11, pp.12815-12822, 2017 (Journal Indexed in SCI)
- X. **Numerical Study on Flame-Front Characteristics of Conical Turbulent Lean Premixed Methane/Air Flames**

Articles Published in Other Journals

- I. **Mono-Blok Tipte Bir Doğal Gaz Yakıcının Sayısal Analizi ve Deneysel Analizi**
Yılmaz B., Uza E.
International Journal of Advances in Engineering and Pure Sciences, vol.31, no.1, pp.53-61, 2019 (Other Refereed National Journals)
- II. **Ultra Düşük Sıcaklıklarda Çalışan İki Kademeli Bir Soğutma Sisteminde Aşırı Soğutma ve Isıtmanın Performansa Etkilerinin Sayısal İncelenmesi**
YILMAZ D., SINAR Ü., ÖZYURT A., YILMAZ B., MANÇUHAN E.
Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.17, pp.1172-1180, 2017 (Other Refereed National Journals)
- III. **CO₂/NH₃ Kaskad soğutma sisteminin termodinamik analizi ve performans değerlendirmesi**
ÖZYURT A., ERDÖNMEZ N., YILMAZ B., YILMAZ D., SEVİNDİR M. K. , MANÇUHAN E.
Tesisat Mühendisliği, pp.25-32, 2016 (Other Refereed National Journals)
- IV. **NUMERICAL STUDY OF TURBULENT LEAN PREMIXED METHANE-AIR FLAMES**
YILMAZ B., ÖZDOĞAN Z. S. , Gökalp İ.
Uluslararası Yakıtlar, Yanma Ve Yangın Dergisi, vol.1, pp.26-33, 2016 (Other Refereed National Journals)
- V. **Computational Studies of Horizontal Axis Wind Turbines Using Advanced Turbulence Models**
KODY S., ALPMAN E., YILMAZ B.
MARMARA UNIVERSITY JOURNAL OF SCIENCE, vol.26, pp.36, 2014 (Other Refereed National Journals)

Books & Book Chapters

- I. **Performance Evaluation of Refrigerants Used in a Flash-System Refrigeration with Regarding to Environmental Aspects**
Mançuhan E., Yılmaz B., Sevindir M. K. , Yılmaz D.
in: Multidisciplinary Approaches to Sustainability, Refika BAKOĞLU, Müge Leyla YILDIZ, Editor, IJOPEC Publication, London, pp.201-237, 2017
- II. **Performance Analysis of a Cascade Refrigeration System with the Replacement of HFC Refrigerants with Natural Ones**
Yılmaz B., Mançuhan E.
in: Engineering Approaches on Sustainability, Zehra Semra CAN, Barış YILMAZ, Seval GENÇ, Candemir SEÇKİN, Editor, IJOPEC, London, pp.89-101, 2016

Refereed Congress / Symposium Publications in Proceedings

- I. **NUMERICAL ANALYSIS OF A LABORATORY SCALE PRESSURIZED OXY-COMBUSTION SYSTEM**
ÖNER B. A. , BEKTAŞ Z., YILMAZ B., ÖZDOĞAN Z. S.
22. Isı Bilimi ve Tekniği Kongresi, Turkey, 11 - 14 September 2019
- II. **Farklı Soğutkanlar Kullanılan Buhar-tanklı Soğutma Sisteminin Performans ve Çevresel Etkilerinin İncelenmesi**
MANÇUHAN E., YILMAZ B., ÇELİK M. C. , YILMAZ D.
22. Isı Bilimi ve Tekniği Kongresi, 11 - 14 September 2019
- III. **ULTRA DÜŞÜK SICAKLIK UYGULAMALARINDAKULLANILAN BİR KASKAT SOĞUTMA SİSTEMİNİNTERMODİNAMİK ANALİZİ**

KURTBOĞAN D., YILMAZ B., MANÇUHAN E., YILMAZ D., İNCE İ. T.

14. ULUSAL TESİSAT MÜHENDİSLİĞİ KONGRESİ, Edirne, Turkey, 17 - 20 April 2019, vol.2, pp.900-914

- IV. **Improving performance of transcritical CO₂ booster systems, using phase change materials (PCM) in a cold storage application**
ÖZYURT A., YILMAZ B., MANÇUHAN E., YILMAZ D., KURTBOGAN D.
8th IIR Conference Ammonia and CO₂ Refrigeration Technologies, Ohrid, 2019, 11 - 13 April 2019
- V. **ULTRA DÜŞÜK SICAKLIKLARDA ALTERNATİF SOĞUTUCU AKIŞKANLARIN KULLANILDIĞI KASKAT SİSTEMLERİN TERMODİNAMİK ANALİZİ**
MANÇUHAN E., YILMAZ B., YILMAZ D., ÖZYURT A., KURTBOGAN D.
IV. Uluslararası Katılımlı Anadolu Enerji Sempozyumu, Turkey, 18 - 20 April 2018
- VI. **Performance Evaluation of Refrigerants Used in a Flash-System Refrigeration with Regarding to Environmental Aspects**
MANÇUHAN E., YILMAZ B., SEVİNDİR M. K. , YILMAZ D.
2nd International Sustainability Conference, 26 - 28 October 2017
- VII. **Thermodynamic Analysis of a R404A/R508b Cascade Refrigeration System Operating At Ultra-Low Temperatures**
YILMAZ D., SINAR Ü., ÖZYURT A., YILMAZ B., MANÇUHAN E.
21. Ulusal Isı Bilimi ve Tekniği Kongresi, Turkey, 13 - 16 September 2017
- VIII. **Evaluation of Mathematical Models of Devolatilization for Numerical Simulations of Pulverized Coal Combustion**
KAPUSUZ E., YILMAZ B., Yükselentürk Y., Gökalp İ.
6th International Conference on Renewable Fuels Combustion and Fire, 18 - 21 May 2017
- IX. **The numerical and experimental investigation of a monoblock natural gas burner for reducing emissions**
UZA E., YILMAZ B.
6 th International Conference on Renewable Fuels Combustion and Fire, 18 - 21 May 2017
- X. **Performance evaluation of CO₂ transcritical booster R290/R744 cascade refrigeration systems for different cities in Turkey**
ÖZYURT A., SINAR Ü., YILMAZ D., YILMAZ B.
Int. Conference on Ammonia and CO₂ Refrigeration Technologies, Ohrid, Macedonia, 11 - 13 May 2017
- XI. **Performance analysis of a cascade refrigeration system with the replacement of Hfc refrigerants with natural ones**
YILMAZ B., MANÇUHAN E., Erdönmez N., Sevindir M. K. , Yılmaz D.
International Sustainability Congress by ICS, 1 - 03 December 2016
- XII. **Performance analysis of an experimental R404A CO₂ Cascade refrigeration system for different standard conditions**
YILMAZ B., MANÇUHAN E., SEVİNDİR M. K. , Özyurt A., Yılmaz D.
8th. International Energy Symposium and Exhibition, 11 - 13 May 2016
- XIII. **Energy and Cost Analysis of the alternative HVAC system applications for a college building in DOHA Qatar**
Sinar Ü., Kirant H. T. , MANÇUHAN E., YILMAZ B., SEVİNDİR M. K.
XII. International HVAC+R&Sanitary Technology Symposium, 31 March - 02 April 2016
- XIV. **CFD Modelling of a Laboratory Scale Pulverized Coal Jet Flame**
Erinç K., YÜKSELENTÜRK Y., YILMAZ B., İSKENDER G.
13th International Combustion Symposium, 9 - 11 September 2015
- XV. **The effect of primary air secondary air distribution on the combustion characteristics of a low NO_x pulverized coal burner using CFD analysis**
KAPUSUZ E., YÜKSELENTÜRK Y., YILMAZ B., YILMAZ A., YOZGATLIGİL A., GÖKALP İ.
Ninth Mediterranean Combustion Symposium, 7 - 11 June 2015
- XVI. **CFD analysis of the high ash coal gasification in a lab scale bubbling fluidized bed system**
YÜKSELENTÜRK Y., KAPUSUZ E., YILMAZ B., GÖKALP İ.

Ninth Mediterranean Combustion Symposium, 7 - 11 June 2015

- XVII. **Performance analysis of an experimental R404A/CO2 cascade refrigeration system**
YILMAZ B., MANÇUHAN E., ÖZYURT A., ERDÖNMEZ N., YILMAZ D., SEVİNDİR M. K.
International Ammonia and CO2 Refrigeration Technologies Conference, OHRID, MACEDONIA, 16 - 18 April 2015
- XVIII. **Energy and exergy analysis and optimization studies of a CO2 NH3 cascade refrigeration system**
YILMAZ B., ERDÖNMEZ N., ÖZYURT A., YILMAZ D., MANÇUHAN E., SEVİNDİR M. K.
International Conference on Ammonia and CO2 Refrigeration Technologies, 16 - 18 April 2015
- XIX. **Energy and exergy analysis and optimization of the condensing temperature of a CO2/NH3 cascade refrigeration system**
YILMAZ B., ERDÖNMEZ N., SEVİNDİR M. K. , MANÇUHAN E.
International Ammonia and CO2 Refrigeration Technologies Conference, OHRID, MACEDONIA, 16 - 18 April 2015
- XX. **CO2/NH3 kaskat soğutma sistem performansının sayısal incelenmesi**
YILMAZ B., ÖZYURT A., YILMAZ D., SEVİNDİR M. K. , MANÇUHAN E., ERDÖNMEZ N.
12. ULUSAL TESİSAT MÜHENDİSLİĞİ KONGRESİ/teskon 2015, Turkey, 8 - 11 April 2015
- XXI. **Numerical simulation and experimental validation of a 40 kWth bubbling fluidized bed high ash coal gasification system**
YÜKSELENTÜRK Y., KAPUSUZ E., YILMAZ B., GÖKALP İ.
10th European Conference on Industrial Furnaces and Boilers(INFUB), 7 - 10 April 2015
- XXII. **Numerical simulation of the effects of burner configuration on the combustion characteristics of wall fired high ash pulverized coal flames**
KAPUSUZ E., YÜKSELENTÜRK Y., YILMAZ B., YILMAZ A., GÖKALP İ.
10th European Conference on Industrial Furnaces and Boilers(INFUB), 7 - 10 April 2015
- XXIII. **CO2 /R404A kaskat soğutma sistem performansının deneysel incelenmesi.**
YILMAZ B., ÖZYURT A., YILMAZ D., SEVİNDİR M. K. , MANÇUHAN E., ERDÖNMEZ N.
20. Ulusal Isı Bilimi ve Tekniği Kongresi, Balıkesir, Türkiye, Turkey, 2 - 05 April 2015
- XXIV. **Large Eddy Simulation of Turbulent Flows around a Horizontal Axis Wind Turbine using Different Sub Grid Scale Models**
KODY S. A. K. , ALPMAN E., YILMAZ B.
International Conference on Wind Energy Science and Technology, RUZGEM 2013, 3 - 04 October 2013
- XXV. **Thermodynamic analysis and optimization of cascade condensing temperature of a CO2 (R744)/R404A cascade refrigeration system**
YILMAZ B., ERDÖNMEZ N., SEVİNDİR M. K. , MANÇUHAN E.
15 th International Refrigeration and Air Conditioning Conference, Purdue University, Indiana, USA, 14 - 17 July 2014
- XXVI. **Karbondioksit soğutuculu bir kaskat soğutma sisteminin sayısal analizi**
YILMAZ B., ERDÖNMEZ N., ÖZYURT A., MANÇUHAN E., SEVİNDİR M. K.
19. Ulusal Isı Bilimi ve Tekniği Kongresi, 9-12 Eylül 2013, SAMSUN, Turkey, 9 - 12 September 2013
- XXVII. **Computational Studies of Horizontal Axis Wind Turbines using Advanced Turbulence Models**
KODY S. A. K. , ALPMAN E., YILMAZ B.
Proceedings of the Fourth International Conference on Mathematical and Computational Applications, 11 - 13 June 2013
- XXVIII. **INFLUENCE OF HYDROGEN ADDITION ON LEAN PREMIXED METHANE-AIR FLAME STATISTICS**
YILMAZ B., Ozdogan S., Gokalp I.
10th ASME Biennial Conference on Engineering Systems Design and Analysis, İstanbul, Turkey, 12 - 24 July 2010, pp.281-287
- XXIX. **Analysis of the Lean Premixed Methane-Air Flame Statistics at Elevated Pressures**
YILMAZ B., Gokalp İ.
10th INTERNATIONAL CONFERENCE on COMBUSTION AND ENERGY UTILIZATION, 4 - 08 May 2010
- XXX. **Önkarışimli Laminer Hidrojen-Hava Alev İstatistiklerinin Hesaplamalı Analizi**
YILMAZ B., ÖZDOĞAN Z. S.
IV. ULUSAL HİDROJEN ENERJİSİ KONGRESİ (UHK 2009) VE SERGİSİ (ULUSLARARASI KATILIMLI), Turkey, 15 - 16

October 2009

- XXXI. **NUMERICAL STUDY OF TURBULENT LEAN PREMIXED METHANE-AIR FLAMES**
YILMAZ B., ÖZDOĞAN Z. S. , Gökalp İ.
FCE'09 INTERNATIONAL CONFERENCE ON FUELS AND COMBUSTION IN ENGINES, 8 - 09 October 2009
- XXXII. **Contribution to the Numerical Analysis of Turbulent Lean Premixed Flames**
YILMAZ B., ÖZDOĞAN Z. S. , Gökalp İ.
10th Int. Combustion Symposium, 9 - 10 October 2008
- XXXIII. **Contribution to the Numerical Modelling of Turbulent Premixed Conical Flames**
YILMAZ B., ÖZDOĞAN Z. S. , Gökalp İ.
European Combustion Meeting 2007 (ECM 2007), 11 - 13 April 2007
- XXXIV. **COMPARISON OF SINGLE AND TWO TIME-SCALE TURBULENCE MODELS FOR IN-CYLINDER ENGINE FLOWS**
GÜL M. Z. , YILMAZ B.
6th Biennial Conference on Engineering Systems Design and Analysis, 8 - 11 July 2002
- XXXV. **PREDICTION OF IN-CYLINDER FLOW IN A MODEL ENGINE DURING INTAKE AND COMPRESSION STROKES**
YILMAZ B., GÜL M. Z.
Otomotiv Teknolojileri Kongresi 2002, Turkey, 24 - 26 June 2002

Supported Projects

- Yılmaz B., Gökalp İ., Karaca M., TUBITAK Project, STUDIES ON TURBULENT LEAN PREMIXED FLAMES, 2019 - 2022
- Yılmaz B., TUBITAK Project, Oksijence Zengin Ortamda Basınçlı Kömür, Biyokütle Ve Biyokömür Yakma Teknolojilerinin Geliştirilmesi, 2018 - 2020
- Yılmaz B., Project Supported by Higher Education Institutions, ISIL DEĞERİ DÜŞÜK KÖMÜR KULLANILAN AKIŞKAN YATAKLI GAZLAŞTIRMA SİSTEMLERİNİN SAYISAL ANALİZİ VE DENEYSEL YÖNTEMLERLE İNCELENMESİ, 2015 - 2020
- Yılmaz B., Project Supported by Higher Education Institutions, ÇOKFAZLI AKIŞLARIN SAYISAL OLARAK MODELLENMESİNE YÖNELİK BİR YAZILIMIN GELİŞTİRİLMESİ, 2014 - 2020
- Çetiner B. N. , Genç S., Yılmaz B., Bayraktar Ö. H. , Yaltrık H., Mergen A., Project Supported by Higher Education Institutions, Analysis of Heat Transfer Mechanisms of Ferrofluids, 2015 - 2019
- Alpman E., Yılmaz B., Project Supported by Higher Education Institutions, Küçük Ölçekli Rüzgar Türbini Konseptlerinin Şehir İçi Uygulamaları için Karşılaştırılması ve Optimizasyonu, 2014 - 2018
- Mançuhan E., Yılmaz B., Industrial Thesis Project, Karbondioksit Soğutuculu Kaskat Soğutma Sistemi, 2013 - 2014
- Yılmaz B., Özdoğan Z. S. , TUBITAK Project, Önkarişımli Hidrojen-Metan Ve Hava Karışımlarının Hesaplamalı ve Deneysel Olarak İncelenmesi, 2006 - 2007
- Yılmaz B., Onbaşıođlu S., TÜBİTAK International Bilateral Joint Cooperation Program Project, Experimental and Computational Studies on Premixed and Non-Premixed Hydrogenated Fuels, 2005 - 2007

Scientific Refereeing

- International journal of advances in engineering and pure sciences (Online), National Scientific Refreed Journal, January 2021
- Project Supported by Other Official Institutions, Aldağ A.Ş., Turkey, October 2020
- ENERGY, SCI Journal, September 2019
- Project Supported by Other Official Institutions, Systemair HSK A.Ş., Turkey, September 2019
- Project Supported by Other Official Institutions, Marmara University, Turkey, September 2019
- Project Supported by Other Official Institutions, Marmara University, Turkey, August 2019
- TUBITAK Project, 1003 - Priority Areas R&D Projects Support Program, Marmara University, Turkey, January 2019
- TUBITAK Project, 1003 - Priority Areas R&D Projects Support Program, Marmara University, Turkey, January 2019

TUBITAK Project, 1003 - Priority Areas R&D Projects Support Program, Marmara University, Turkey, January 2019

ENERGY, SCI Journal, September 2018

ENERGY, SCI Journal, September 2017

Scientific Consultations

Eralp Kazan Makine A.Ş., Project Consultancy, Marmara University, Faculty of Engineering, Mechanical Engineering, Turkey, 2020 - 2020

FrigoBlock, Project Consultancy, Marmara University, Faculty of Engineering, Mechanical Engineering, Turkey, 2018 - 2019

Mobility Activity

Bilateral Colloboration Agreement, Get Education, Université d'Orléans, France, 2005 - 2009

Edit Congress and Symposium Activities

Working Group, Kocaeli, Turkey, 2019

Citations

Total Citations (WOS):17

h-index (WOS):3

Scholarships

Joint PhD Program , Official Institutions of Foreign Countries, 2005 - 2009