

Prof. HAYDAR KÜÇÜK

Personal Information

Email: haydar.kucuk@erdogan.edu.tr

Web: <https://avesis.erdogan.edu.tr/haydar.kucuk>

International Researcher IDs

ORCID: 0000-0001-6493-4943

Yoksis Researcher ID: 38291

Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Makine Mühendisliği Anabilim Dalı, Turkey 1998 - 2003

Postgraduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Makine Mühendisliği Anabilim Dalı, Turkey 1995 - 1998

Undergraduate, Yildiz Technical University, Kocaeli Mühendislik Fakültesi, Makine Mühendisliği Bölümü, Turkey 1989 - 1993

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Eş veya Kaçık Merkezli Halka Kesite Sahip Eğrisel Kanallarda Akış ve Isı Transferinin Sayısal İncelenmesi, Karadeniz Technical University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2003

Postgraduate, Dairesel Kesitli Borularda Geçici Rejimde Isı Transferinin Deneysel İncelenmesi, Karadeniz Technical University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 1998

Research Areas

Mechanical Engineering, Energy, Fluid Mechanics, Thermodynamics, Heat and Mass Transfer, Computational fluid dynamics, Thermal Systems, Engineering and Technology

Academic Titles / Tasks

Professor, Recep Tayyip Erdogan University, MÜHENDİSLİK VE MİMARLIK FAKÜLTESİ, MAKİNE MÜHENDİSLİĞİ, 2020 - Continues

Professor, Recep Tayyip Erdogan University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2017 - 2020

Associate Professor, Recep Tayyip Erdogan University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2012 - 2017

Assistant Professor, Recep Tayyip Erdogan University, Turgut Kıran Denizcilik Fakültesi, Gemi Makineleri İşletme Mühendisliği, 2011 - 2012

Assistant Professor, Gumushane University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2009 - 2011

Assistant Professor, Karadeniz Technical University, Sürmene Deniz Bilimleri Fakültesi, Gemi İnşaatı Ve Gemi Makineleri Mühendisliği Bölümü, 2007 - 2009

Research Assistant, Karadeniz Technical University, Mühendislik Fakültesi, Makine Mühendisliği, 1998 - 2003

Research Assistant, Karadeniz Technical University, Mühendislik Fakültesi, Makine Mühendisliği, 1995 - 1998

Academic and Administrative Experience

Ethics Committee Member, Recep Tayyip Erdogan University, MÜHENDİSLİK VE MİMARLIK FAKÜLTESİ, MAKİNE MÜHENDİSLİĞİ, 2020 - Continues

Head of Department, Recep Tayyip Erdogan University, MÜHENDİSLİK VE MİMARLIK FAKÜLTESİ, MAKİNE MÜHENDİSLİĞİ, 2020 - Continues

Fakülte Yönetim Kurulu Üyesi, Recep Tayyip Erdogan University, Mühendislik Ve Mimarlık Fakültesi, Makine Mühendisliği, 2020 - 2022

Fakülte Kurulu Üyesi, Recep Tayyip Erdogan University, Mühendislik Ve Mimarlık Fakültesi, Makine Mühendisliği, 2020 - 2022

Dean, Recep Tayyip Erdogan University, Mühendislik Ve Mimarlık Fakültesi, Makine Mühendisliği, 2020 - 2022

Member of the Senate, Recep Tayyip Erdogan University, Mühendislik Ve Mimarlık Fakültesi, Makine Mühendisliği, 2017 - 2022

University Executive Board Member, Recep Tayyip Erdogan University, Mühendislik Ve Mimarlık Fakültesi, Makine Mühendisliği, 2017 - 2022

Rektörlük Stratejik Plan Komisyonu Üyesi, Recep Tayyip Erdogan University, MÜHENDİSLİK VE MİMARLIK FAKÜLTESİ, MAKİNE MÜHENDİSLİĞİ, 2013 - 2021

Rektörlük Kalite Komisyonu Üyesi, Recep Tayyip Erdogan University, MÜHENDİSLİK VE MİMARLIK FAKÜLTESİ, MAKİNE MÜHENDİSLİĞİ, 2017 - 2020

Head of Department, Recep Tayyip Erdogan University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2017 - 2020

Fakülte Yönetim Kurulu Üyesi, Recep Tayyip Erdogan University, Mühendislik Fakültesi, 2017 - 2020

Fakülte Kurulu Üyesi, Recep Tayyip Erdogan University, Mühendislik Fakültesi, 2017 - 2020

Dean, Recep Tayyip Erdogan University, Mühendislik Fakültesi, 2017 - 2020

Vice Dean, Recep Tayyip Erdogan University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2012 - 2015

Fakülte Kurulu Üyesi, Recep Tayyip Erdogan University, Mühendislik Fakültesi, 2012 - 2015

Fakülte Yönetim Kurulu Üyesi, Recep Tayyip Erdogan University, Mühendislik Fakültesi, 2012 - 2015

Head of Department, Recep Tayyip Erdogan University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2012 - 2014

Recep Tayyip Erdogan University, 2011 - 2013

Recep Tayyip Erdogan University, 2011 - 2012

Recep Tayyip Erdogan University, 2010 - 2011

Recep Tayyip Erdogan University, 2010 - 2011

Gumushane University, 2010 - 2011

Head of Department, Gumushane University, Faculty Of Engineering And Natural Sciences, Department Of Mechanical Engineering, 2009 - 2011

Head of Department, Gumushane University, Faculty Of Engineering And Natural Sciences, Department Of Mechanical Engineering, 2009 - 2011

Fakülte Kurulu Üyesi, Gumushane University, Faculty Of Engineering And Natural Sciences, 2009 - 2011

Deputy Head of Department, Karadeniz Technical University, Sürmene Deniz Bilimleri Fakültesi, Gemi İnşaatı Ve Gemi Makineleri Mühendisliği, 2007 - 2009

Courses

Isı ve Kütle Transferi, Postgraduate, 2020 - 2021, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

Boyut Analizi ve Benzerlik, Postgraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

Soğutma Çevrimleri Tasarımı ve Analizi, Doctorate, 2020 - 2021, 2019 - 2020
Nemli Hava Termodinamiği, Doctorate, 2020 - 2021, 2019 - 2020
Akışkanlar Mekaniği, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017
Isı Transferi, Undergraduate, 2017 - 2018, 2016 - 2017
Akışkanlar Dinamiği ve Isı Geçişinde Sayısal Yöntemler, Postgraduate, 2018 - 2019, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014
Taşınım İle Isı Geçişi, Postgraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014
İleri Akışkanlar Dinamiği, Postgraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014
Fikri ve Sinai Mülkiyet Hakları, Undergraduate, 2016 - 2017
Isı İletimi, Postgraduate, 2016 - 2017, 2014 - 2015
Makine Mühendisliğine Giriş, Undergraduate, 2015 - 2016
Mekanik, Undergraduate, 2011 - 2012
İleri Mühendislik Termodinamiği, Postgraduate, 2010 - 2011
Makine Mühendisliğine Giriş, Undergraduate, 2010 - 2011, 2009 - 2010
Termodinamik, Undergraduate, 2007 - 2008
Mühendislik Mekaniği, Undergraduate, 2008 - 2009

Advising Theses

Küçük H., Midilli A., Fındığın dönmeli akışlı akışkan yataklı kızılötesi ısıtımli kurutma davranışının deneysel incelenmesi ve matematiksel modellenmesi., Postgraduate, A.ÇİRAK(Student), 2022
Küçük H., Midilli A., Dönmeli akışlı akışkan yataklı kızılötesi ısıtımli yeşil çay kurutma işleminin matematiksel modellenmesi, Postgraduate, Ö.OKUR(Student), 2022
Küçük H., Midilli A., DÖNMELİ AKIŞLI AKIŞKAN YATAKLI MİKRODALGA YEŞİL ÇAY KURUTUCUNUN İMALATI VE KURUTMA PERFORMANSININ DENEYSEL BELİRLENMESİ, Postgraduate, M.KÖSE(Student), 2022
Küçük H., Regülatör tipi bir hidroelektrik santralin tasarımı ve ekonomik analizi, Postgraduate, A.CÜCE(Student), 2019
Küçük H., Bazı sebze ve meyvelerin mikrodalga kurutma davranışının deneysel araştırılması ve matematiksel modellenmesi, Postgraduate, M.ŞİMŞEK(Student), 2018

Jury Memberships

Doctoral Examination, Doctoral Examination, Karadeniz Teknik Üniversitesi, February, 2021
Post Graduate, Post Graduate, Karadeniz Teknik Üniversitesi, January, 2021
Post Graduate, Post Graduate, Karadeniz Teknik Üniversitesi, November, 2020
Post Graduate, Post Graduate, Recep Tayyip Erdoğan Üniversitesi, November, 2020
Doctorate, Tez Savunma Jürisi, Gebze Teknik Üniversitesi, February, 2020
Doctoral Examination, Doktora Yeterlik Sınav Jürisi, Karadeniz Teknik Üniversitesi Fen Bilimleri Enstitüsü, September, 2019
Post Graduate, Tez Savunma Jürisi, Recep Tayyip Erdoğan Üniversitesi Fen Bilimleri Enstitüsü, August, 2019
Post Graduate, Tez Savunma Jürisi, Recep Tayyip Erdoğan Üniversitesi Fen Bilimleri Enstitüsü, July, 2019
Post Graduate, Tez Savunma Jürisi, Recep Tayyip Erdoğan Üniversitesi Fen Bilimleri Enstitüsü, July, 2019
Doctorate, Tez Savunma Jürisi, Karadeniz Teknik Üniversitesi Fen Bilimleri Enstitüsü, April, 2019
Associate Professor Exam, Yayın Aşaması Eser İnceleme, ÜAK, March, 2019
Doctoral Examination, Doktora Yeterlik Sınav Jürisi, Karadeniz Teknik Üniversitesi Fen Bilimleri Enstitüsü, January, 2019
Doctoral Examination, Doktora Yeterlik Sınav Jürisi, Karadeniz Teknik Üniversitesi Fen Bilimleri Enstitüsü, January, 2019
Doctorate, Tez Savunma Jürisi, Karadeniz Teknik Üniversitesi Fen Bilimleri Enstitüsü, January, 2019
Post Graduate, Tez Savunma Jürisi, Karadeniz Teknik Üniversitesi Fen Bilimleri Enstitüsü, January, 2019
Post Graduate, Tez Savunma Jürisi, Karadeniz Teknik Üniversitesi Fen Bilimleri Enstitüsü, January, 2019
Associate Professor Exam, Yayın Aşaması Eser İnceleme, ÜAK, October, 2018

Post Graduate, Tez Savunma Jürisi, Recep Tayyip Erdoğan Üniversitesi Fen Bilimleri Enstitüsü, October, 2018
Doctoral Examination, Doktora Yeterlik Sınav Jürisi, Karadeniz Teknik Üniversitesi Fen Bilimleri Enstitüsü, September, 2018
Doctorate, Tez Savunma Jürisi, Karadeniz Teknik Üniversitesi Fen Bilimleri Enstitüsü, September, 2018
Doctoral Examination, Doktora Yeterlik Sınav Jürisi, Karadeniz Teknik Üniversitesi Fen Bilimleri Enstitüsü, September, 2018
Associate Professor Exam, Yayın Aşaması Eser İnceleme, ÜAK, December, 2017
Doctorate, Tez Savunma Jürisi, Gebze Teknik Üniversitesi Fen Bilimleri Enstitüsü, January, 2017
Doctorate, Tez Savunma Jürisi, Atatürk Üniversitesi Fen Bilimleri Enstitüsü, November, 2016
Post Graduate, Tez Savunma Jürisi, Karadeniz Teknik Üniversitesi Fen Bilimleri Enstitüsü, June, 2016
Doctorate, Tez Savunma Jürisi, Karadeniz Teknik Üniversitesi Fen Bilimleri Enstitüsü, January, 2016
Post Graduate, Tez Savunma Jürisi, Karadeniz Teknik Üniversitesi Fen Bilimleri Enstitüsü, December, 2015
Post Graduate, Tez Savunma Jürisi, Karadeniz Teknik Üniversitesi Fen Bilimleri Enstitüsü, December, 2015
Post Graduate, Tez Savunma Jürisi, Karadeniz Teknik Üniversitesi Fen Bilimleri Enstitüsü, May, 2015
Post Graduate, Tez Savunma Jürisi, Karadeniz Teknik Üniversitesi Fen Bilimleri Enstitüsü, May, 2015
Post Graduate, Tez Savunma Jürisi, Gümüşhane Üniversitesi Fen Bilimleri Enstitüsü, January, 2013
Post Graduate, Tez Savunma Jürisi, Niğde Üniversitesi Fen Bilimleri Enstitüsü, January, 2012
Post Graduate, Tez Savunma Jürisi, Niğde Üniversitesi Fen Bilimleri Enstitüsü, August, 2009
Post Graduate, Tez Savunma Jürisi, Niğde Üniversitesi Fen Bilimleri Enstitüsü, August, 2009
Post Graduate, Tez Savunma Jürisi, Niğde Üniversitesi Fen Bilimleri Enstitüsü, August, 2009
Post Graduate, Tez Savunma Jürisi, Karadeniz Teknik Üniversitesi Fen Bilimleri Enstitüsü, August, 2007

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A review on converting plastic wastes into clean hydrogen via gasification for better sustainability**
Midilli A., Küçük H., Haciosmanoğlu M., Akbulut U., Dincer İ.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.46, no.4, pp.4001-4032, 2022 (SCI-Expanded)
- II. **A comprehensive review on hydrogen production from coal gasification: Challenges and Opportunities**
Midilli A., Küçük H., Topal M. E., Akbulut U., Dincer İ.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.46, no.50, pp.25385-25412, 2021 (SCI-Expanded)
- III. **Thermodynamic based environmental and sustainability assessments of gas flow in a curved annular channel**
MİDİLLİ A., KÜÇÜK H., AKBULUT U.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.45, no.49, pp.26379-26386, 2020 (SCI-Expanded)
- IV. **Exergetic performance comparison of air and hydrogen gas flowing through the annular curved duct**
MİDİLLİ A., KUCUK H., AKBULUT U.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.43, no.23, pp.10859-10868, 2018 (SCI-Expanded)
- V. **A preface to the special issue section on "The National Hydrogen Technologies Congress (UHTEK 2015), 20-23 December 2015, Istanbul, Turkey"**
Midilli A., Kucuk H.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.42, no.4, pp.2434, 2017 (SCI-Expanded)
- VI. **Viscous dissipation effects on entropy generation in heated vertical parallel-plate channels for mixed convection**
AKBULUT U., OVALI R. V., KUCUK H.
INTERNATIONAL JOURNAL OF EXERGY, vol.23, no.1, pp.1-17, 2017 (SCI-Expanded)
- VII. **Numerical study on entropy generation in L-shaped curved channels**
Kucuk H.
INTERNATIONAL JOURNAL OF EXERGY, vol.20, no.4, pp.465-481, 2016 (SCI-Expanded)
- VIII. **Assessment of exergetic sustainability indicators for a single layer solar drying system**

- MIDILLI A., Kucuk H.
INTERNATIONAL JOURNAL OF EXERGY, vol.16, no.3, pp.278-292, 2015 (SCI-Expanded)
- IX. **A Review on Thin-Layer Drying-Curve Equations**
Kucuk H., MIDILLI A., KILIC A., DINCER I.
DRYING TECHNOLOGY, vol.32, no.7, pp.757-773, 2014 (SCI-Expanded)
- X. **Environmental and sustainability aspects of a recirculating aquaculture system**
MIDILLI A., KÜÇÜK H., DINCER I.
ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY, vol.31, no.4, pp.604-611, 2012 (SCI-Expanded)
- XI. **Numerical analysis of entropy generation and minimisation in eccentric curved annular ducts**
Kucuk H.
INTERNATIONAL JOURNAL OF EXERGY, vol.9, no.1, pp.40-65, 2011 (SCI-Expanded)
- XII. **Economic Analysis and Sustainability of Turkish Marine Hatcheries**
KURTOĞLU İ. Z., Kucuk H., ALKAN A., ÖZDEMİR A.
TURKISH JOURNAL OF FISHERIES AND AQUATIC SCIENCES, vol.10, no.4, pp.513-521, 2010 (SCI-Expanded)
- XIII. **Numerical analysis of entropy generation in concentric curved annular ducts**
Kucuk H.
JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY, vol.24, no.9, pp.1927-1937, 2010 (SCI-Expanded)
- XIV. **Exergetic performance analysis of a recirculating aquaculture system**
Kucuk H., Midilli A., ÖZDEMİR A., Cakmak E., DINCER I.
ENERGY CONVERSION AND MANAGEMENT, vol.51, no.5, pp.1033-1043, 2010 (SCI-Expanded)
- XV. **NATURAL CONVECTION IN A TRIANGULAR CROSS SECTION ROOF UNDER DAYLIGHT CONDITIONS**
Kucuk H., GEDİKLİ H.
ISI BİLİMİ VE TEKNİĞİ DERGİSİ-JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY, vol.30, no.1, pp.99-110, 2010 (SCI-Expanded)
- XVI. **ANALYSIS OF HEAT AND FLUID FLOW IN CONCENTRIC ANNULAR SQUARE DUCTS**
Kucuk H., Avci M., AYDIN O., Asan H.
ISI BİLİMİ VE TEKNİĞİ DERGİSİ-JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY, vol.29, no.1, pp.7-13, 2009 (SCI-Expanded)
- XVII. **A Numerical Study on Heat and Fluid Flow in Concentric Curved Annular Square Ducts**
Kucuk H., Asan H.
HEAT TRANSFER ENGINEERING, vol.30, no.5, pp.383-392, 2009 (SCI-Expanded)
- XVIII. **FORCED CONVECTION HEAT TRANSFER IN ECCENTRIC CURVED ANNULAR SQUARE DUCTS**
Kucuk H., Asan H.
ISI BİLİMİ VE TEKNİĞİ DERGİSİ-JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY, vol.29, no.1, pp.67-78, 2009 (SCI-Expanded)
- XIX. **A numerical computation of heat and fluid flow in L-shaped curved channels**
ASAN H., Kucuk H.
HEAT TRANSFER ENGINEERING, vol.28, no.2, pp.112-119, 2007 (SCI-Expanded)
- XX. **Energy and exergy analyses of solar drying process of pistachio**
Midilli A., Kucuk H.
ENERGY, vol.28, no.6, pp.539-556, 2003 (SCI-Expanded)
- XXI. **Mathematical modeling of thin layer drying of pistachio by using solar energy**
Midilli A., Kucuk H.
ENERGY CONVERSION AND MANAGEMENT, vol.44, no.7, pp.1111-1122, 2003 (SCI-Expanded)
- XXII. **A new model for single-layer drying**
Midilli A., Kucuk H., YAPAR Z.
DRYING TECHNOLOGY, vol.20, no.7, pp.1503-1513, 2002 (SCI-Expanded)

Articles Published in Other Journals

- I. **Single-layer drying modeling of pumpkin (Cucurbita Maxima)**
KÜÇÜK H., AKBULUT U., MİDİLLİ A.
Turkish Journal of Electromechanics and Energy, vol.7, no.3, pp.110-119, 2022 (Peer-Reviewed Journal)
- II. **Techno-economic analysis of a regulator-type hydropower plant**
CÜCE A., KÜÇÜK H., MİDİLLİ A.
Turkish Journal of Electromechanics and Energy, vol.7, no.2, pp.48-57, 2022 (Peer-Reviewed Journal)
- III. **Experimental Investigation and Mathematical Modeling of Microwave Thin Layer Drying Behaviour of Apricot, Kiwi and Mint Leaves**
ŞİMŞEK M., KÜÇÜK H., MİDİLLİ A.
Recep Tayyip Erdoğan Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.2, no.2, pp.13-35, 2021 (Peer-Reviewed Journal)
- IV. **Conceptual design of a regulator-type hydropower plant**
CÜCE A., KÜÇÜK H., MİDİLLİ A.
Turkish Journal of Electromechanics and Energy, vol.6, no.3, pp.108-122, 2021 (Peer-Reviewed Journal)
- V. **Su Ürünleri Yetiştiriciliğinde Kapalı Devre Sistemlerinin Kullanılması**
KÜÇÜK H.
YUNUS ARASTIRMA BÜLTENİ, vol.5, no.1, pp.9-11, 2005 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Comprehensive Energy Systems, Volume 4: Energy Conversion**
Dincer İ. (Editor), Midilli A. (Editor), Küçük H. (Editor)
Elsevier Science, Oxford/Amsterdam , Amsterdam, 2018
- II. **Concluding Remarks**
KÜÇÜK H., DINCER I.
in: Comprehensive Energy Systems Volume 4: Energy Conversion, Ibrahim Dincer, Haydar Küçük, Editor, Elsevier, Oxford, pp.1234-1244, 2018
- III. **Progress in Sustainable Energy Technologies: Generating Renewable Energy**
DINCER I., MİDİLLİ A., KÜÇÜK H.
Springer, Cham, 2014
- IV. **Progress in Sustainable Energy Technologies: Creating Sustainable Development**
DINCER I., MİDİLLİ A., KÜÇÜK H.
Springer, Cham, 2014
- V. **Progress in Exergy, Energy, and the Environment**
DINCER I., MİDİLLİ A., KÜÇÜK H.
Springer, Cham, 2014
- VI. **Common Applications of Thin Layer Drying Curve Equations and Their Evaluation Criteria**
KÜÇÜK H., KILIÇ A., MİDİLLİ A.
in: Progress in Exergy, Energy, and the Environment, Dincer I., Midilli A., Kucuk H., Editor, Springer, Cham, pp.705-716, 2014
- VII. **Exergy-Based Sustainability Indicators for a Single Layer Solar Drying Process**
MİDİLLİ A., KÜÇÜK H.
in: Progress in Exergy, Energy, and the Environment, Dincer I., Midilli A., Kucuk H., Editor, Springer, Cham, pp.743-750, 2014
- VIII. **Environmental Friendly Food Smoking Technologies**
KILIÇ A., KÜÇÜK H., MİDİLLİ A.
in: Progress in Sustainable Energy Technologies Vol II Creating Sustainable Development, İBRAHİM DİNÇER, ADNAN MİDİLLİ, HAYDAR KÜÇÜK, Editor, Springer, pp.557-576, 2014
- IX. **Entropy Generation of Hydrogen Flow in a Curved Annular Duct**
KÜÇÜK H., AKBULUT U., MİDİLLİ A.

Refereed Congress / Symposium Publications in Proceedings

- I. **Some Indicators in Evaluating Exergetic Sustainability Aspects for Hydrogen Gas Flowing Through the Annular Curved Duct**
Midilli A., Küçük H., Akbulut U.
10th International Conference on Hydrogen Production (ICH2P-2019), Cluj-Napoca, Romania, 15 - 17 May 2019
- II. **Effect of Inlet Air Temperature on Exergetic Performance of Hydrogen Production from Car Tires via Plasma Gasification**
DEMİRÇAY H., MEHAN M., TOPAL M. E., KALINCI Y., BAYRAKTAR Ş., AKBULUT U., KÜÇÜK H., OLGUN H., MİDİLLİ A., DİNÇER İ.
3rd International Hydrogen Technologies Congress, 15 - 18 March 2018, pp.366-369
- III. **An Investigation on Exergetic Performance of Hydrogen Gas Flowing through the Annular Curved Duct**
Midilli A., Küçük H., Akbulut U.
2nd International Hydrogen Technologies Congress, Adana, Turkey, 15 - 18 March 2017, pp.279-286
- IV. **A Study on Single Layer Drying Curve Equations**
KILIÇ A., KÜÇÜK H., MİDİLLİ A.
Sixth International Exergy, Energy and Environment Symposium, Turkey, 1 - 04 July 2013
- V. **Exergetic Sustainability Analysis of a Single Layer Solar Drying Process**
MİDİLLİ A., KÜÇÜK H.
The Sixth International Exergy, Energy and Environment Symposium, Rize, Turkey, 1 - 04 July 2013, pp.551-557
- VI. **Exergetic Sustainability Evaluation of a Recirculating Aquaculture System**
MİDİLLİ A., KÜÇÜK H., DİNÇER İ.
Global Conference on Global Warming, Lizbon, Portugal, 11 - 14 July 2011
- VII. **Exergy Analysis of an Aquaculture System**
KÜÇÜK H., MİDİLLİ A., ÇAKMAK E., ÖZDEMİR A., DİNÇER İ.
5th International Ege Energy Symposium and Exhibition (IEESE-5), Denizli, Turkey, 27 - 30 June 2010
- VIII. **Türkiye Deniz Balıkları Kuluçkahanelerinin Ekonomik Analizi ve Sürdürülebilirliği**
KURTOĞLU İ. Z., KÜÇÜK H., ALKAN A., ÖZDEMİR A.
15. Su Ürünleri Sempozyumu, Rize, Turkey, 1 - 04 July 2009
- IX. **Kaçık Merkezli Halka Kesitli Eğrisel Kanallarda Isı Transferinin İncelenmesi**
KÜÇÜK H., ASAN H.
16. Ulusal Isı Bilimi ve Tekniği Kongresi (ULIBTK'07), Kayseri, Turkey, 30 May - 02 June 2007
- X. **Halka Kesitli Kanallarda Eğriliğin Yerel Isı Transferine Etkisi**
KÜÇÜK H., ASAN H.
15. Ulusal Isı Bilimi ve Tekniği Kongresi (ULIBTK'05), Trabzon, Turkey, 7 - 09 September 2005, vol.2, pp.823-828
- XI. **Experimental Investigation of Thin Layer Drying Behaviour and Conditions of the Anchovy**
MİDİLLİ A., KÜÇÜK H.
14th International THERMO Conference, Budapeste, Hungary, 22 - 24 June 2005
- XII. **Boru Girişine Yerleştirilen Konik Yüzey Halkalı Türbülatorlerin Isı Transferi ve Sürtünme Faktörüne Etkilerinin Deneysel İncelenmesi**
KÜÇÜK H., BALI T., AYHAN T.
12. Uluslararası Katılımla Ulusal Isı Bilimi ve Tekniği Kongresi, Sakarya, Turkey, 28 - 29 February 2000
- XIII. **Experimental Investigation of Transient Heat Transfer for Conical Turbulator Inserted Pipe Flow**
KÜÇÜK H., BALI T., AYHAN T.
The Second Trabzon International Energy and Environment Symposium, Trabzon, Turkey, 26 - 29 July 1998, pp.425-429

XIV. Deniz Suyunda Yüzer Tel Kafeslerde Balık Üretme Çiftliği Tesisatı

AYHAN T., KÜÇÜK H., MİDİLLİ A., DEMİRTAŞ C., BALI T.

III. Ulusal tesisat Mühendisliği Kongresi ve Sergisi Bildiriler Kitabı (TESKON'97), İzmir, Turkey, 20 - 23 November 1997, vol.2, pp.1021-1026

XV. Durgun Sıvı Ortamına Enjekte Edilen Sıvı Jet Yüksekliğinin Belirlenmesi

KÜÇÜK H., MİDİLLİ A., AYHAN T.

11. Ulusal Isı Bilimi ve Tekniği Kongresi (ULIBTK'97), Edirne, Turkey, 17 - 19 September 1997, vol.2, pp.795-802

XVI. Güneş Enerjili ve Enerji Depolu Sistemin Atık Sulardan Damıtık Su Eldesinde Kullanılabilirliğinin İncelenmesi

MİDİLLİ A., KÜÇÜK H., AYHAN T.

11. Ulusal Isı Bilimi ve Tekniği Kongresi (ULIBTK'97), Edirne, Turkey, 17 - 19 September 1997, vol.2, pp.596-604

Other Publications

I. Ulusal Hidrojen Teknolojileri Kongresi Bildiriler Kitabı

DINCER I., MİDİLLİ A., KÜÇÜK H.

Other, pp.468, 2016

II. Proceeding of the Sixth International Exergy, Energy and Environment Symposium (IEEES-6)

MİDİLLİ A., KÜÇÜK H.

Other, pp.1048, 2013

III. Kalkan Balığı Üretim Tesisi Fizibilite Raporu

KÜÇÜK H., ÜSTÜNDAĞ C.

Technical Report, pp.18, 2006

Supported Projects

KÜÇÜK H., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Türkiye Su Ürünleri Gen Bankası ve Biyoteknoloji Merkezi, 2014 - Continues

Midilli A., Küçük H., Akbulut U., Bayraktar Ş., Kalıncı Y., Dincer İ., Olgun H., TUBITAK Project, Soğutma Kolonlu Çift Beslemeli Plazma Konik Reaktörlü Organik Çöp Gazlaştırma Sisteminin Deneysel Performansının Araştırılması, 2017 - 2020

Kurtoğlu İ. Z., Terzi E., Küçük H., Balta F., Kayış Ş., Ak K., Project Supported by Other Official Institutions, Karadeniz Bölgesi'nde Termoklin Tabakasının Altından Su Çekerek Deniz Kafeslerinde Gökkuşuğu Alabalığının Yazlatılma Olanaklarının Araştırılması, 2015 - 2020

Küçük H., Kuleyin H., Development Agency, Mekanik Tasarım Eğitimi , 2019 - 2019

KÜÇÜK H., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Gümüşhane Üniversitesi Merkezi Araştırma Laboratuvarı Projesi, 2010 - 2012

KÜÇÜK H., Project Supported by Other Official Institutions, Kırgızistan'da Su Ürünlerinin Geliştirilmesi Projesi-Ton Köyü Balık Üretim İstasyonu Rehabilitasyonu, 2008 - 2009

KÜÇÜK H., EU Supported Other Project, Sustainable aquaculture production through the use of recirculation systems (SUSTAINAQ), 2007 - 2009

KÜÇÜK H., Other Supported Projects, The Technical Development of Sustainable Seed Production for Black Sea Turbot 'Karadeniz Kalkan Balığında Sürdürülebilir Yavru Üretim Tekniklerinin Geliştirilmesi', 2004 - 2007

KÜÇÜK H., Other Supported Projects, The Fish Culture Development Project in the Black Sea 'Karadeniz'de Balık Yetiştiriciliğinin Geliştirilmesi Projesi', 1997 - 2004

Patent

Küçük H., Midilli A., Dönmeli Akışlı Akışkan Yataklı Infrared Kurutucu, Patent, CHAPTER F Mechanical engineering; Lighting; Heating; Weaponry; Destroyed Materials, The Invention Registration Number: TR 2015 12459 B , Standard Registration, 2020

Küçük H., Hekimoğlu A. P., Altın İ., İçten Yanmalı Motorlu Araçlarda Radyatörsüz Soğutma Sistemi, Patent, CHAPTER F Mechanical engineering; Lighting; Heating; Weaponry; Destroyed Materials, The Invention Registration Number: TR 2015 10942 B , Standard Registration, 2020

Küçük H., Hekimoğlu A. P., İçten Yanmalı Motorlu Araçlarda Hararet Önleyici Sistem, Patent, CHAPTER F Mechanical engineering; Lighting; Heating; Weaponry; Destroyed Materials, The Invention Registration Number: TR 2015 07018 B , Standard Registration, 2019

Activities in Scientific Journals

Recep Tayyip Erdoğan Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, Assistant Editor/Section Editor, 2021 - Continues

KSU Journal of Engineering Sciences , Advisory Committee Member, 2013 - Continues

Memberships / Tasks in Scientific Organizations

Hidrojen Teknolojileri Derneği, Member, 2015 - Continues

TMMOB Makine Mühendisleri Odası, Member, 1993 - Continues

Scientific Refereeing

International Journal of Hydrogen Energy, SCI Journal, August 2017

International Journal of Hydrogen Energy, SCI Journal, July 2017

International Journal of Global Warming, SCI Journal, July 2017

International Journal of Hydrogen Energy, SCI Journal, June 2017

Energy and Fuels, SCI Journal, June 2017

International Journal of Hydrogen Energy, SCI Journal, April 2017

Turkish Journal of Electrical Engineering & Computer Sciences, SCI Journal, March 2017

International Journal of Hydrogen Energy, SCI Journal, February 2017

International Journal of Hydrogen Energy, SCI Journal, January 2017

International Journal of Hydrogen Energy, SCI Journal, December 2016

Applied Thermal Engineering, SCI Journal, November 2016

International Journal of Research, Innovation and Commercialisation, Other Indexed Journal, October 2016

International Journal of Research, Innovation and Commercialisation, Other Indexed Journal, September 2016

International Journal of Exergy, SCI Journal, August 2016

International Journal of Research, Innovation and Commercialisation, Other Indexed Journal, August 2016

International Journal of Exergy, SCI Journal, July 2016

International Journal of Hydrogen Energy, SCI Journal, June 2016

International Journal of Hydrogen Energy, SCI Journal, June 2016

International Journal of Hydrogen Energy, SCI Journal, May 2016

International Journal of Global Warming, SCI Journal, May 2016

International Journal of Energy Research, SCI Journal, April 2016

International Journal of Energy Research, SCI Journal, March 2016

International Journal of Hydrogen Energy, SCI Journal, March 2016

International Journal of Exergy, SCI Journal, February 2016

International Journal of Hydrogen Energy, SCI Journal, February 2016

International Journal of Energy Research, SCI Journal, January 2016
International Journal of Global Warming, SCI Journal, January 2016
International Journal of Hydrogen Energy, SCI Journal, December 2015
International Journal of Global Warming, SCI Journal, December 2015
International Journal of Global Warming,, SCI Journal, November 2015
Integrated Energy Systems for Multigeneration, Scientific / Professional Book Published by Renowned Publishing Houses, November 2015
International Journal of Energy Research, SCI Journal, October 2015
International Journal of Research, Innovation and Commercialisation, Other Indexed Journal, October 2015
International Journal of Global Warming, SCI Journal, September 2015
International Journal of Global Warming, SCI Journal, August 2015
International Journal of Global Warming, SCI Journal, July 2015
International Journal of Exergy, SCI Journal, June 2015
International Journal of Global Warming, SCI Journal, May 2015
Project Supported by Higher Education Institutions, BAP Research Project, Recep Tayyip Erdogan University, Turkey, April 2015
International Journal of Global Warming, SCI Journal, March 2015
International Journal of Global Warming, SCI Journal, March 2015
International Journal of Exergy, SCI Journal, February 2015
International Journal of Global Warming, SCI Journal, February 2015
International Journal of Hydrogen Energy, SCI Journal, January 2015
International Journal of Global Warming, SCI Journal, January 2015
International Journal of Energy Research, SCI Journal, December 2014
Project Supported by Higher Education Institutions, November 2014
Project Supported by Higher Education Institutions, October 2014
International Journal of Exergy , SCI Journal, September 2014
International Journal of Exergy, SCI Journal, September 2014
International Journal of Global Warming, SCI Journal, August 2014
International Journal of Global Warming, SCI Journal, August 2014
International Journal of Exergy, SCI Journal, July 2014
International Journal of Exergy, SCI Journal, July 2014
International Journal of Exergy, SCI Journal, June 2014
Turkish Journal of Fisheries and Aquatic Sciences, SCI Journal, June 2014
International Journal of Exergy, SCI Journal, May 2014
Kahramanmaras Sutcu Imam Universty Journal of Engineering Sciences, National Scientific Refreed Journal, May 2014
International Journal of Exergy , SCI Journal, April 2014
International Journal of Green Energy, SCI Journal, March 2014
International Journal of Global Warming, SCI Journal, February 2014
International Journal of Global Warming, SCI Journal, February 2014
International Journal of Global Warming , SCI Journal, January 2014
International Journal of Global Warming, SCI Journal, January 2014
International Journal of Energy Research, SCI Journal, December 2013
International Journal of Global Warming , SCI Journal, October 2013
International Journal of Exergy, SCI Journal, September 2013
Project Supported by Higher Education Institutions, August 2013
International Journal of Global Warming, SCI Journal, July 2013
Turkish Journal of Fisheries and Aquatic Sciences, SCI Journal, June 2013
International Journal of Global Warming, SCI Journal, May 2013
Project Supported by Higher Education Institutions, April 2013
International Journal of Global Warming, SCI Journal, March 2013
International Journal of Exergy, SCI Journal, January 2013

Project Supported by Higher Education Institutions, December 2012
Project Supported by Higher Education Institutions, September 2012
Journal of Agricultural Science and Technology, SCI Journal, August 2012
Project Supported by Higher Education Institutions, July 2012
Heat and Mass Transfer, SCI Journal, June 2012
Isı Bilimi ve Tekniği Dergisi-Journal of Thermal Science and Technology, SCI Journal, April 2012
International Journal of Exergy, SCI Journal, March 2012
International Journal of Global Warming, SCI Journal, December 2011
Journal of Agricultural Science and Technology, SCI Journal, November 2011
Energy, SCI Journal, September 2011
Environmental Progress and Sustainable Energy, SCI Journal, July 2011
Journal of Agricultural Science and Technology, SCI Journal, May 2011
Journal of Petroleum and Gas Engineering, SCI Journal, March 2011
International Journal of Heat and Mass Transfer, SCI Journal, November 2010
Journal of Mechanical Science and Technology, SCI Journal, September 2010
Journal of Mechanical Engineering Research, SCI Journal, August 2010
Numerical Heat Transfer, An International Journal of Computation and Methodology, SCI Journal, July 2010
International Journal of Global Warming, SCI Journal, June 2010
Isı Bilimi ve Tekniği Dergisi-Journal of Thermal Science and Technology, SCI Journal, April 2010
International Journal of Energy Research, SCI Journal, December 2009
International Journal of Energy Research, SCI Journal, November 2009
International Journal of Global Warming, SCI Journal, October 2009
International Journal of Global Warming, SCI Journal, September 2009
International Journal of Global Warming, SCI Journal, August 2009
Food and Bioproducts Processing, SCI Journal, July 2009
International Journal of Global Warming, SCI Journal, July 2009
International Journal of Global Warming, SCI Journal, June 2009
International Journal of Global Warming, SCI Journal, May 2009
International Journal of Global Warming, SCI Journal, April 2009
International Journal of Global Warming, SCI Journal, March 2009
International Journal of Global Warming, SCI Journal, February 2009
International Journal of Global Warming, SCI Journal, January 2009
International Journal of Global Warming, SCI Journal, October 2008
Journal of Agricultural Science and Technology, SCI Journal, August 2008
International Journal of Thermal Sciences, SCI Journal, June 2008
International Journal of Exergy, SCI Journal, April 2008
International Journal of Hydrogen Energy, SCI Journal, May 2006
Chemical Engineering Communications, SCI Journal, July 2005
Journal of Food Engineering, SCI Journal, April 2005
Journal of Food Engineering, SCI Journal, June 2003
Energy, SCI Journal, April 2002
Journal of Food Engineering, SCI Journal, March 2002

Metrics

Publication: 55
Citation (WoS): 1571
Citation (Scopus): 1833
H-Index (WoS): 8
H-Index (Scopus): 9

Congress and Symposium Activities

The Sixth International Exergy, Energy and Environment Symposium, Attendee, Rize, Turkey, 2013

Türkiye'de Kalkan Balığı Yetiştiriciliği Çalıştayı, Attendee, Trabzon, Turkey, 2007

16. Ulusal Isı Bilimi ve Tekniği Kongresi (ULIBTK'07), Attendee, Kayseri, Turkey, 2007

15. Ulusal Isı Bilimi ve Tekniği Kongresi (ULIBTK'05), Attendee, Trabzon, Turkey, 2005

The Second Trabzon International Energy and Environment Symposium, Attendee, Trabzon, Turkey, 1998

Non Academic Experience

Public Research Center, Tarım ve Köy İşleri Bakanlığı Trabzon Su Ürünleri Merkez Araştırma Enstitüsü, Ministry of Agricultural and Rural Affairs Trabzon Central Fisheries Research Institute