

Prof. HAYDAR KÜÇÜK

Personal Information

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International Researcher IDs

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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, MÜHENDİSLİK VE MİMARLIK FAKÜLTESİ, MAKİNE MÜHENDİSLİĞİ, 2020 - 2022
Fakülte Kurulu Üyesi, Recep Tayyip Erdogan University, MÜHENDİSLİK VE MİMARLIK FAKÜLTESİ, MAKİNE MÜHENDİSLİĞİ, 2020 - 2022
Dean, Recep Tayyip Erdogan University, MÜHENDİSLİK VE MİMARLIK FAKÜLTESİ, MAKİNE MÜHENDİSLİĞİ, 2020 - 2022
Member of the Senate, Recep Tayyip Erdogan University, MÜHENDİSLİK VE MİMARLIK FAKÜLTESİ, MAKİNE MÜHENDİSLİĞİ, 2017 - 2022
University Executive Board Member, Recep Tayyip Erdogan University, MÜHENDİSLİK VE MİMARLIK FAKÜLTESİ, MAKİNE MÜHENDİSLİĞİ, 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 Kurulu Üyesi, Recep Tayyip Erdogan University, Mühendislik Fakültesi, 2017 - 2020
Dean, Recep Tayyip Erdogan University, Mühendislik Fakültesi, 2017 - 2020
Fakülte Yönetim Kurulu Üyesi, 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
Fakülte Kurulu Üyesi, Gumushane University, Faculty Of Engineering And Natural Sciences, 2009 - 2011
Head of Department, Gumushane University, Faculty Of Engineering And Natural Sciences, Department Of Mechanical Engineering, 2009 - 2011
Deputy Head of Department, Karadeniz Technical University, Sürmene Deniz Bilimleri Fakültesi, Gemi İnşaatı Ve Gemi Makineleri Mühendisliği, 2007 - 2009

Courses

Isı ve Kütlesel 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 Geçiş, 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 ısıtım kurutma davranışının deneysel incelenmesi ve matematiksel modellenmesi, Postgraduate, A.ÇİRAK(Student), 2022
Küçük H., Midilli A., Dönmeli akışlı akışkan yataklı kızılötesi ısıtım yeşil çay kurutma işleminin matematiksel modellenmesi, Postgraduate, Ö.ÖKUR(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, Recep Tayyip Erdoğan Üniversitesi, November, 2020
Post Graduate, Post Graduate, Karadeniz Teknik 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
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
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, Recep Tayyip Erdoğan Üniversitesi Fen Bilimleri Enstitüsü, October, 2018
Associate Professor Exam, Yayın Aşaması Eser İnceleme, ÜAK, October, 2018
Doctoral Examination, Doktora Yeterlik Sınav Jürisi, Karadeniz Teknik Üniversitesi Fen Bilimleri Enstitüsü, September, 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
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. **Triple-effect new generation drying technique**
Okur O., KÜÇÜK H., Midilli A.
Innovative Food Science and Emerging Technologies, vol.89, 2023 (SCI-Expanded)
- II. **Development of a new curve equation representing thin layer drying process**
Midilli A., Kucuk H.
Energy Sources, Part A: Recovery, Utilization and Environmental Effects, vol.45, no.4, pp.9717-9730, 2023 (SCI-Expanded)
- III. **A review on converting plastic wastes into clean hydrogen via gasification for better sustainability**
Midilli A., Küçük H., Hacıosmanoğlu M., Akbulut U., Dincer İ.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.46, no.4, pp.4001-4032, 2022 (SCI-Expanded)
- IV. **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)
- V. **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)
- VI. **Exergetic performance comparison of air and hydrogen gas flowing through the annular curved duct**
MIDILLI A., Kucuk H., AKBULUT U.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.43, no.23, pp.10859-10868, 2018 (SCI-Expanded)
- VII. **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)

- VIII. **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)
- IX. **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)
- X. **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)
- XI. **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)
- XII. **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)
- XIII. **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)
- XIV. **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)
- XV. **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)
- XVI. **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)
- XVII. **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)
- XVIII. **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)
- XIX. **ANALYSIS OF HEAT AND FLUID FLOW IN CONCENTRIC ANNULAR SQUARE DUCTS**
Kucuk H., Avcı 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)
- XX. **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)
- XXI. **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)
- XXII. **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)
- XXIII. **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)

XXIV. **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 İ.
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 İ., MİDİLLİ A., KÜÇÜK H.
Springer, Cham, 2014
- IV. **Progress in Sustainable Energy Technologies: Creating Sustainable Development**
DINCER İ., MİDİLLİ A., KÜÇÜK H.
Springer, Cham, 2014
- V. **Progress in Exergy, Energy, and the Environment**
DINCER İ., MİDİLLİ A., KÜÇÜK H.
Springer, Cham, 2014
- VI. **Exergy-Based Sustainability Indicators for a Single Layer Solar Drying Process**
MİDİLLİ A., KÜÇÜK H.
in: Progress in Exergy, Energy, and the Environment, Dincer İ., Midilli A., Kucuk H., Editor, Springer, Cham, pp.743-750, 2014
- VII. **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

VIII. Environmental Friendly Food Smoking Technologies

KILIÇ A., KÜÇÜK H., MİDİLLİ A.

in: Progress in Sustainable Energy Technologies Vol II, Dincer Ibrahim, Midilli Adnan, Kucuk Haydar, Editor, Springer, London, pp.557-576, 2014

IX. 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

X. Entropy Generation of Hydrogen Flow in a Curved Annular Duct

KÜÇÜK H., AKBULUT U., MİDİLLİ A.

in: Progress in Sustainable Energy Technologies Vol II Creating Sustainable Development, İBRAHİM DİNÇER, ADNAN MİDİLLİ, HAYDAR KÜÇÜK, Editor, Springer, pp.63-77, 2014

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., DINCER 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., DINCER 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
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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

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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