

Prof. Özden AĞRA

Personal Information

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International Researcher IDs

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Yoksis Researcher ID: 173981

Education Information

Doctorate, Yildiz Technical University, Makina Fakültesi, Makina Mühendisliği, Turkey 2004 - 2007

Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Makina Mühendisliği, Turkey Continues

Undergraduate, Yildiz Technical University, Makina Fakültesi, Makina Mühendisliği, Turkey Continues

Research Areas

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

Academic Titles / Tasks

Professor, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, 2018 - Continues

Associate Professor, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, 2012 - 2019

Research Assistant PhD, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, 2007 - 2012

Research Assistant, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, 2000 - 2007

Academic and Administrative Experience

Coordinator of The Rectorate, Yildiz Technical University, 2018 - 2022

Coordinator of The Rectorate, Yildiz Technical University, 2019 - 2020

Yıldız Teknik Üniversitesi, Faculty of Mechanical Engineering, 2016 - 2018

Courses

Doctorate

Araştırma Yöntemleri ve Bilimsel Etik, Doctorate, 2022 - 2023, 2021 - 2022, 2020 - 2021

Postgraduate

İki Fazlı Akışlar, Postgraduate, 2022 - 2023

DRYING TECHNIQUE, Postgraduate, 2020 - 2021

Undergraduate

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

INTRODUCTION TO MECHANICAL ENGEENIERING AND ETHICSİs, Undergraduate, 2022 - 2023, 2020 - 2021, 2019 - 2020, 2018 - 2019

Drying, Undergraduate, 2020 - 2021

Supervised Theses

Ağra Ö., Yakıt pillerinin birleşik ısı güç sistemi olarak mevcut binalarda kullanımı , Doctorate, I.Utku(Student), 2024

Ağra Ö., Yakıt pilli ticari araçların modellenmesi ve verimliliğinin incelenmesi / Modeling and analysis of the efficiency of fuel cell commercial vehicles, Postgraduate, Ö.FARUK(Student), 2024

Ağra Ö., Minikanallı buharlaştırıcı derinliğinin nem alma işlemine etkisinin deneysel incelenmesi / Experimental investigation of the effect of microchannel evaporator depth under dehumidification conditions, Postgraduate, F.Özdemir(Student), 2023

Ağra Ö., Yıkayıcı Kurutucularda Kurutma Performansının İyileştirilmesi, Postgraduate, G.BATMAN(Student), 2023

Ağra Ö., Ev Tipi Klimanın Dinamik Modellenmesi ve Deneysel Olarak Doğrulanması, Postgraduate, O.AYDIN(Student), 2023

Ağra Ö., Tel Kanatlı Yoğuşturucuların Hava Tarafı Isı ve Akış Performansının İncelenmesi, Doctorate, A.GÖNÜL(Student), 2020

Ağra Ö., Investigation of heat transfer characteristic for automotive brake disc design, Postgraduate, Ö.ÇETİN(Student), 2019

Ağra Ö., Hava Yoğuşturmalı Kurutma Makinelerinde Enerji Verimini Etkileyen Faktörlerin İncelenmesi, Postgraduate, M.ATİLA(Student), 2019

AĞRA Ö., Isı Pompalı Evsel Isıtıcıda Enerji Optimizasyonu, Postgraduate, E.SAĞLICAN(Student), 2018

Demir H., Ağra Ö., Minikanal ısı deđiřtiricilerde kanat geometrilerinin taşınım katsayısı ve basınç düşüşüne etkisinin incelenmesi, Doctorate, S.KARAGÖZ(Student), 2018

Ağra Ö., The improvement of outlet temperature distribution in the hair dryer and effects on drying rate, Postgraduate, F.NUR(Student), 2017

Ağra Ö., Experimental and theoretical study of mechanical effect in cleaning process by jet of two-phase flow, Postgraduate, F.BAYAV(Student), 2017

Ağra Ö., Investigation of the performance effect of air fuel mixture on burner, Postgraduate, M.ÖNAL(Student), 2017

AĞRA Ö., Bir yakıcıda emisyonlara etki eden parametrelerin incelenmesi, Postgraduate, I.CANTÜRK(Student), 2016

AĞRA Ö., Elektrokimyasal akümülatörlerin kimyasal analizi, Postgraduate, O.YARAY(Student), 2016

AĞRA Ö., Farklı kapileri eşanjör uygulamalarının deneysel olarak incelenmesi, Postgraduate, Y.KORAY(Student), 2016

AĞRA Ö., Çini kurutmasının incelenmesi, Postgraduate, A.GÖNÜL(Student), 2016

AĞRA Ö., Snky toprak ısı deđiřtiricilerinde ısı transferinin incelenmesi, Postgraduate, O.KÜÇÜKGENÇ(Student), 2016

AĞRA Ö., Spreylenme yöntemi ile yıkama işleminde mekanik etkinin deneysel ve teorik olarak incelenmesi, Postgraduate, M.PATKAVAK(Student), 2016

Atayılmaz Ş. Ö., Ağra Ö., Düşey bir plaka yüzeyinde doğal taşınım şartlarında yoğuşmanın incelenmesi, Doctorate, A.KOCA(Student), 2015

Jury Memberships

Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, February, 2025

Doctorate, Doctorate, Yıldız Teknik Üniversitesi, February, 2025

Doctorate, Doctorate, İstanbul Teknik Üniversitesi, September, 2024

Doctorate, Doctorate, Yıldız Teknik Üniversitesi, August, 2024

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, İstanbul Teknik Üniversitesi, July, 2024
Doctorate, Doctorate, Yıldız Teknik Üniversitesi, June, 2024
Doctorate, Doctorate, İstanbul Teknik Üniversitesi, June, 2024
Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, May, 2024
Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, May, 2024
Doctorate, Doctorate, İstanbul Teknik Üniversitesi, October, 2023
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, İstanbul Teknik Üniversitesi, August, 2023
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, İstanbul Teknik Üniversitesi, July, 2023
Post Graduate, Post Graduate, İstanbul Teknik Üniversitesi, May, 2023
Doctorate, Doctorate, İstanbul Teknik Üniversitesi, April, 2023
Doctorate, Doctorate, Yıldız Teknik Üniversitesi, March, 2023
Doctorate, Doctorate, Yıldız Teknik Üniversitesi, February, 2023
Post Graduate, Post Graduate, İstanbul Teknik Üniversitesi, December, 2022
Associate Professor Exam, Associate Professor Exam, İskenderun Teknik Üniversitesi, November, 2022
Associate Professor Exam, Associate Professor Exam, İskenderun Teknik Üniversitesi, January, 2021
Associate Professor Exam, Associate Professor Exam, March, 2020
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Yıldız Teknik Üniversitesi, November, 2019
Associate Professor Exam, Associate Professor Exam, Bahçeşehir Üniversitesi, October, 2019
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, İstanbul Teknik Üniversitesi, June, 2019
Associate Professor Exam, Associate Professor Exam, Yalova Üniversitesi, May, 2019
Associate Professor Exam, Associate Professor Exam, Gaziantep Üniversitesi, April, 2019
Associate Professor Exam, Associate Professor Exam, Bilecik Şeyh Edebali Üniversitesi, March, 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Modelling of human thermal comfort in armored military vehicles: An experimental study of removing heat with spot cooling**
Dibek B., Ağra Ö.
Thermal Science and Engineering Progress, vol.49, pp.1-11, 2024 (SCI-Expanded)
- II. **Numerical and experimental examinations of free convection condensation of steam in the presence of air over the cooled panel**
Koca A., Atayılmaz Ş. Ö., Ağra Ö.
ENERGY AND BUILDINGS, vol.269, pp.1-19, 2022 (SCI-Expanded)
- III. **Investigation of heat transfer in tandem and staggered arrangement of wires on single layer wire-on-tube condensers in cross-flow**
Gönül A., Ağra Ö.
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, vol.158, 2020 (SCI-Expanded)
- IV. **Experimental and numerical investigation of air-side forced convection on wire-on-tube condensers**
GÖNÜL A., AĞRA Ö., ATAYILMAZ Ş. Ö., DEMİR H., SEVİNDİR M. K., TEKE İ.
International Journal of Thermal Sciences, vol.151, 2020 (SCI-Expanded)
- V. **Experimental and numerical investigation of ground heat exchangers in the building foundation**
Kayaci N., Demir H., Kanbur B. B., Atayılmaz Ş. Ö., Ağra Ö., Acet R. C., Gemici Z.
ENERGY CONVERSION AND MANAGEMENT, vol.188, pp.162-176, 2019 (SCI-Expanded)
- VI. **Natural convection heat transfer from horizontal concentric and eccentric cylinder systems cooling in the ambient air and determination of inner cylinder location**

ATAYILMAZ Ş. Ö., DEMİR H., SEVİNDİR M. K., AĞRA Ö., Teke İ., DALKILIÇ A. S.

Heat and Mass Transfer/Waerme- und Stoffuebertragung, vol.53, no.8, pp.2677-2692, 2017 (SCI-Expanded)

- VII. **Modelling the optimum distribution of insulation material**
SEVİNDİR M. K., DEMİR H., AĞRA Ö., ATAYILMAZ Ş. Ö., Teke İ.
Renewable Energy, vol.113, pp.74-84, 2017 (SCI-Expanded)
- VIII. **EVALUATION OF DRYING KINETICS OF SLURRED CERAMIC RAW MATERIALS**
AĞRA Ö., GÖNÜL A.
ISI BILIMI VE TEKNIGI DERGISI-JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY, vol.37, no.1, pp.45-52, 2017 (SCI-Expanded)
- IX. **Experimental investigation of heat transfer and dehumidifying performance of novel condensing panel**
KOCA A., ATAYILMAZ Ş. Ö., AĞRA Ö.
Energy and Buildings, vol.129, pp.120-137, 2016 (SCI-Expanded)
- X. **Optimum distribution of thermal insulation material for constant insulation material volume or a given investment cost**
DEMİR H., SEVİNDİR M. K., AĞRA Ö., ATAYILMAZ Ş. Ö., Teke I.
JOURNAL OF RENEWABLE AND SUSTAINABLE ENERGY, vol.7, no.6, 2015 (SCI-Expanded)
- XI. **Heat capacity ratio and the best type of heat exchanger for geothermal water providing maximum heat transfer**
AĞRA Ö., ERDEM H. H., DEMİR H., ATAYILMAZ Ş. Ö., Teke I.
ENERGY, vol.90, pp.1563-1568, 2015 (SCI-Expanded)
- XII. **Sizing, selection, and comparison of heat exchangers considering the lowest saving-investment ratio corresponding to the area at the tag end of the heat exchanger**
Teke I., AĞRA Ö., DEMİR H., ATAYILMAZ Ş. Ö.
Energy, vol.78, pp.114-121, 2014 (SCI-Expanded)
- XIII. **Investigation of the effects of geometrical parameters on heat transfer from buried finned pipes**
DEMİR H., KOYUN A., ATAYILMAZ Ş. Ö., AĞRA Ö., DALKILIÇ A. S.
JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY, vol.27, no.8, pp.2497-2506, 2013 (SCI-Expanded)
- XIV. **A correlation development for predicting the pressure drop of various refrigerants during condensation and evaporation in horizontal smooth and micro-fin tubes**
Balcilar M., DALKILIÇ A. S., AĞRA Ö., ATAYILMAZ Ş. Ö., WONGWISES S.
INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, vol.39, no.7, pp.937-944, 2012 (SCI-Expanded)
- XV. **DETERMINATION OF THE HEAT TRANSFER COEFFICIENT DURING ANNULAR FLOW CONDENSATION IN SMOOTH HORIZONTAL TUBES**
AĞRA Ö., TEKE İ.
ISI BILIMI VE TEKNIGI DERGISI-JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY, vol.32, no.2, pp.151-159, 2012 (SCI-Expanded)
- XVI. **Numerical investigation of heat transfer and pressure drop in enhanced tubes**
AĞRA Ö., Demir H., ATAYILMAZ Ş. Ö., Kantaş F., DALKILIÇ A. S.
INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, vol.38, no.10, pp.1384-1391, 2011 (SCI-Expanded)
- XVII. **Sizing and selection of heat exchanger at defined saving investment ratio**
AĞRA Ö.
Applied Thermal Engineering, vol.31, pp.727-734, 2010 (SCI-Expanded)
- XVIII. **Determining the best type of heat exchangers for heat recovery**
TEKE İ., AĞRA Ö., ATAYILMAZ Ş. Ö., DEMİR H.
APPLIED THERMAL ENGINEERING, vol.30, pp.577-583, 2010 (SCI-Expanded)
- XIX. **Comparison of frictional pressure drop models during annular flow condensation of R600a in a horizontal tube at low mass flux and of R134a in a vertical tube at high mass flux**
DALKILIÇ A. S., AĞRA Ö., Teke I., Wongwises S.

INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, vol.53, pp.2052-2064, 2010 (SCI-Expanded)

- XX. **Application of artificial neural networks for prediction of natural convection from a heated horizontal cylinder**

ATAYILMAZ Ş. Ö., DEMİR H., AĞRA Ö.

International Communications in Heat and Mass Transfer, vol.37, no.1, pp.68-73, 2010 (SCI-Expanded)

- XXI. **Generalized neural network model of alternative refrigerant (R600a) inside a smooth tube**
DEMİR H., AĞRA Ö., ATAYILMAZ Ş. Ö.

INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, vol.36, no.7, pp.744-749, 2009 (SCI-Expanded)

- XXII. **Experimental Investigation of Condensation of Hydrocarbon Refrigerants(R600A) in a Horizontal Smooth Tube**

AĞRA Ö.

International Communications in Heat and Mass Transfer, vol.35, no.9, pp.1165-1171, 2008 (SCI-Expanded)

Articles Published in Other Journals

- I. **Experimental Investigation of the Water Droplet Evaporation on Inclined Surfaces by Taguchi and ANOVA Optimization Analysis**

Yıldırım A., Ağra Ö., Sevindir M. K.

JOURNAL OF THERMAL SCIENCE AND ENGINEERING APPLICATIONS, vol.16, pp.1-10, 2024 (Peer-Reviewed Journal)

- II. **Fuel Cell Cogeneration Application in Commercial Buildings: A Shopping Mall Example**

BAŞYAZICI İ. U., Ağra Ö.

Tesisat Mühendisliği, no.197, pp.45-58, 2023 (Peer-Reviewed Journal)

- III. **Alternatif Soğutucu Akışkanlardan İsobütan'xxın Yatay Boru İçinde Yoğuşmada Isı Transferi Katsayısının Tespiti**

AĞRA Ö.

Makine Mühendisleri Odası Dergisi, 2012 (Peer-Reviewed Journal)

- IV. **İstanbul'xxdaki Konutlar İçin Optimum Yalıtım Kalınlığının Belirlenmesi**

AĞRA Ö., EMANET Ö., KÜREKÇİ N. A.

Makine Mühendisleri Odası Dergisi, 2012 (Peer-Reviewed Journal)

- V. **Alternatif soğutucu akışkanlardan isobütanın yatay boru içinde yoğuşmada ısı transfer katsayısının tespiti**

AĞRA Ö.

MMO Tesisat Mühendisliği dergisi, no.109, pp.28-36, 2009 (Peer-Reviewed Journal)

- VI. **İstanbul'daki Konutlar İçin Optimum Yalıtım Kalınlığının Belirlenmesi**

Ağra Ö., Emanet Ö., Kürekçi N. A.

Tesisat Mühendisliği, no.109, pp.21-27, 2009 (Peer-Reviewed Journal)

- VII. **İklimlermede Kullanılan Soğutkanlar Arasında Bir Karşılaştırma**

ÖZKAN D. B., AĞRA Ö., Çetin Ö.

Türkiye Tesisat Mühendisleri Derneği Dergisi, vol.52, pp.26-31, 2007 (Peer-Reviewed Journal)

Papers Published in Refereed Scientific Meetings

- I. **FANLI PİŞİRİCİ CİHAZLARDA MOTOR DÖNÜŞ DEVRİ VE YÖNÜNÜN SİRKÜLASYON DEBİSİNE ETKİSİNİN NÜMERİK VE DENEYSEL İNCELENMESİ**

Önal M., Ağra Ö., Sevindir M. K.

ULUSLARARASI KATILIMLI 24. ISI BİLİMİ VE TEKİNİĞİ KONGRESİ, Ankara, Turkey, 6 - 08 September 2023, vol.2, pp.562-571

- II. **Artificial Neural Networks for Drying Characteristics Determination: An Application in Fluidized Bed Drying**
Yıldırım A., Ergök H., Ağra Ö.
5th International Anatolian Energy Symposium, Trabzon, Turkey, 24 - 26 March 2021, pp.11-20
- III. **Energy Consumption Optimization for Heat Pump Domestic Heater**
SAĞLICAN E., AĞRA Ö.
International Conference on Engineering Technologies'18 Konya, Konya, Turkey, 26 September 2018, pp.418-425
- IV. **Bina temeline ve altındaki toprağa uygulanan toprak kaynaklı ısı pompası sisteminin deneysel çalışması**
KAYACI N., DEMİR H., ATAYILMAZ Ş. Ö., AĞRA Ö., ACET R. C., GEMİCİ Z.
4. Uluslararası Katılımlı Anadolu Enerji Sempozyumu, 18 - 20 April 2018
- V. **FARKLI TEL ÇAPLARINA GÖRE TELLİ TİP YOĞUŞTURUCULARDA HAVA TARAFI ISI GEÇİŞİNİN SAYISAL İNCELENMESİ**
GÖNÜL A., SEVİNDİR M. K., AĞRA Ö., DEMİR H., ATAYILMAZ Ş. Ö.
4 Uluslararası Katılımlı Anadolu Enerji Sempozyumu, 18 - 20 April 2018
- VI. **KONVEKTİF KURUTMA FIRININDA TUĞLA ÇAMURUNUN KURUTMA KARAKTERİSTİĞİNİN İNCELENMESİ**
Kuş B., YILDIRIM A., SEVİNDİR M. K., AĞRA Ö.
4. Uluslararası Katılımlı Anadolu Enerji Sempozyumu, 18 - 20 April 2018
- VII. **BİNA TEMELİNE VE ALTINDAKİ TOPRAĞA UYGULANAN TOPRAK KAYNAKLI ISI POMPASI SİSTEMİNİN DENEYSEL ÇALIŞMASI**
KAYACI N., DEMİR H., ATAYILMAZ Ş. Ö., AĞRA Ö., Acet R. C., Gemici Z.
4. Uluslararası Katılımlı Anadolu Enerji Sempozyumu, Edirne, Turkey, 18 April 2018, pp.1
- VIII. **THE DETERMINATION OF THE BEST CFD MODELS FOR CALCULATION OF AIR-SIDE HEAT TRANSFER ON WIRE-ON-TUBE TYPE CONDENSERS**
GÖNÜL A., DEMİREL E., GÜNERİ B., GEZE E., DEMİR H., ATAYILMAZ Ş. Ö., AĞRA Ö.
3rd INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2017, İstanbul, Turkey, 19 - 21 December 2017
- IX. **AKIŞKAN YATAKLI KURUTUCUDA KÜLTÜR MANTARININ KURUMA KARAKTERİSTİĞİNİN İNCELENMESİ**
Çermaoğlu M. F., YILDIRIM A., SEVİNDİR M. K., AĞRA Ö.
21. Ulusal Isı Bilimi ve Tekniği Kongresi, Turkey, 13 - 16 September 2017
- X. **Experimental setup for the determination of heat transfer inside the soil region in ground source heat pump**
KAYACI N., DEMİR H., ATAYILMAZ Ş. Ö., AĞRA Ö.
Proceedings of 2nd International Conference on Mechanical and Aeronautical Engineering, in Bangkok, 13 - 14 July 2016
- XI. **Experimental Setup For The Determination Of Heat Transfer Inside The Soil Region In Ground Source Heat Pump GSHP**
KAYACI N., DEMİR H., ATAYILMAZ Ş. Ö., AĞRA Ö.
2nd Internaional Conference on Mechnical and Aeronautical Engineering, 13 - 14 July 2016
- XII. **EFFECTS OF SURFACE CONDITIONS ON TEMPERATURE DISTRIBUTION IN THE SOIL AND GROUND SOURCE HEAT PUMP PERFORMANCE**
KAYACI N., DEMİR H., ATAYILMAZ Ş. Ö., AĞRA Ö.
the ASME International Mechanical Engineering Congress & ExpositionIMECE 2015, 13 - 19 November 2015, pp.1-11
- XIII. **LONG TIME SIMULATION OF HORIZONTAL GROUND HEAT EXCHANGER FOR GROUND SOURCE HEAT PUMP**
KAYACI N., DEMİR H., ATAYILMAZ Ş. Ö., AĞRA Ö.
ASME International Mechanical Engineering Congress & ExpositionIMECE 2015, 13 - 19 November 2015, pp.1-10
- XIV. **Effects Of Surface Conditions For Different Climatic Zones In Turkey On Temperature Distribution In**

The Soil

KAYACI N., DEMİR H., ATAYILMAZ Ö., AĞRA Ö.

ASME 2015 International Mechanical Engineering Congress & Exposition (2015), November 13-19, 01 November 2015

- XV. **Numerical Analysis for Energy Performance of Ground Source Heat Exchanger Under Environmental Conditions of Istanbul, Turkey**
DUMAN Ö., DEMİR H., KOCA A., ATAYILMAZ Ş. Ö., AĞRA Ö.
The European Conference on Sustainability, Energy the Environment 2015, 13 - 16 July 2015
- XVI. **Long term simulation of horizontal Ground Heat Exchanger for ground source Heat Pump**
Kayaci N., ATAYILMAZ Ş. Ö., DEMİR H., AĞRA Ö.
ASME 2015 International Mechanical Engineering Congress and Exposition, IMECE 2015, Texas, United States Of America, 13 - 19 November 2015
- XVII. **Free convection film condensation of steam in presence of non-condensation gases using CFD based approach in a room filled with humid air**
KOCA A., ATAYILMAZ Ş. Ö., AĞRA Ö.
ASME International Mechanical Engineering Congress and Exposition, IMECE 2014, 14 - 20 November 2014
- XVIII. **Thermo economical optimization of ground source heat pump with horizontal ground heat exchangers for a heating season in Istanbul: A case study**
DEMİR H., GÖNÜL A., KAYACI N., ATAYILMAZ Ş. Ö., AĞRA Ö.
4th Joint US-European Fluids Engineering Summer Meeting FEDSM2014, Chicago, United States Of America, 3 - 07 August 2014
- XIX. **DRYING CHARACTERISTICS OF ÇINI CERAMIC RAW MATERIALS IN A CONVECTIVE DRYER**
GÖNÜL A., AĞRA Ö.
19th International Drying Symposium (IDS 2014), Lyon, France, 24 August 2014, pp.15-20
- XX. **Drying Kinetics of kiwi fruits**
GÖNÜL A., AĞRA Ö., SEVİNDİR M. K., ATAYILMAZ Ş. Ö., DEMİR H.
19th International Drying Symposium (IDS 2014) Lyon, France, 2014, 24 - 27 August 2014
- XXI. **Application of artificial neural networks to predict heat transfer from buried pipe for ground source heat pump applications**
DEMİR H., Atayılmaz Ö. Ş., AĞRA Ö., DALKILIÇ A. S.
ASME 2013 Heat Transfer Summer Conference, HT 2013 Collocated with the ASME 2013 7th International Conference on Energy Sustainability and the ASME 2013 11th International Conference on Fuel Cell Science, Engineering and Technology, Minneapolis, MN, United States Of America, 14 - 19 July 2013, vol.4
- XXII. **Effects of the nano particle concentration and type on natural convection heat transfer from horizontal concentric cylinder systems cooling in the ambient air**
DEMİR H., ATAYILMAZ Ş. Ö., AĞRA Ö., TEKE İ.
ASME 2012 International Mechanical Engineering Congress and Exposition, IMECE 2012, Houston, TX, United States Of America, 9 - 15 November 2012, vol.7, pp.2913-2924
- XXIII. **Determination of two-phase flow void fraction of r600a in a horizontal smooth tube**
AĞRA Ö., DEMİR H., ATAYILMAZ Ş. Ö., YURTSEVEN A., DALKILIÇ A. S., WONGWISES S.
ASME 2012 International Mechanical Engineering Congress and Exposition, IMECE 2012, Houston, TX, United States Of America, 9 - 15 November 2012, vol.7, pp.2547-2561
- XXIV. **Energy Efficient Building in Third Climatic Region of Turkey**
ÇUBUK M. H., EMANET Ö., AĞRA Ö.
World Renewable Energy Congress 2011, Linköping, Sweden, 08 May 2011, pp.10
- XXV. **Economical analysis of a chemical heat pump system for waste heat recovery**
DEMİR H., AĞRA Ö., ATAYILMAZ Ş. Ö.
World Renewable Energy Congress, 1 - 02 May 2011
- XXVI. **Environmental impact of optimum insulation thickness in buildings**
AĞRA Ö., ATAYILMAZ Ş. Ö., DEMİR H., TEKE İ.
World Renewable Energy Congress, 1 - 02 May 2011

- XXVII. **Experimental ground source heat pump system to investigate heat transfer in soil**
DEMİR H., ATAYILMAZ Ş. Ö., AĞRA Ö.
World Renewable Energy Congress, 1 - 02 May 2011
- XXVIII. **Predicting two phase flow pressure drop with CFD and ANN**
Teke I., AĞRA Ö., DEMİR H., ATAYILMAZ Ş. Ö.
ASME 2010 International Mechanical Engineering Congress and Exposition, IMECE 2010, Vancouver, Canada, 12 - 18 November 2010, vol.7, pp.111-117
- XXIX. **An experimental apparatus to investigate natural convection heat transfer from a vertical array of isothermal horizontal cylinders**
ATAYILMAZ Ş. Ö., DEMİR H., AĞRA Ö., Teke I.
ASME 2010 International Mechanical Engineering Congress and Exposition, IMECE 2010, Vancouver, Canada, 12 - 18 November 2010, vol.7, pp.461-471
- XXX. **Predicting Two Phase Pressure Drop with CFD and ANN**
TEKE İ., AĞRA Ö., DEMİR H., ATAYILMAZ Ş. Ö.
ASME International Mechanical Engineering Congress and Exposition, 2010, Vancouver, 12 - 18 November 2010
- XXXI. **Determination of optimum insulation thickness for different climatic zones of Turkey**
KÜREKÇİ N. A., AĞRA Ö., EMANET Ö.
2009 ASME International Mechanical Engineering Congress and Exposition, IMECE2009, Lake Buena Vista, FL, United States Of America, 13 - 19 November 2009, vol.6, pp.499-505
- XXXII. **Experimental apparatus for the determination of condensation heat transfer coefficient for R134A and R600A flowing inside vertical and horizontal tubes respectively**
DALKILIÇ A. S., AĞRA Ö.
2009 ASME Summer Heat Transfer Conference, HT2009, San Francisco, CA, United States Of America, 19 - 23 July 2009, vol.1, pp.549-563
- XXXIII. **Numerical Study of Natural Convection Around an Isolated Horizontal Cylinder and Determination of Critical Radius Effect with a Variable Heat Transfer Coefficient**
ATAYILMAZ Ş. Ö., DEMİR H., AĞRA Ö.
ASME Summer Heat Transfer Conferences, Usa, United States Of America, 01 August 2009, pp.1
- XXXIV. **Experimental apparatus for the determination of condensation heat transfer coefficient for R134a and R600a flowing inside vertical and horizontal tubes**
Dalkılıç A. S., Ağra Ö.
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Invited Talks

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