

Assoc. Prof. Özgen AÇIKGÖZ

Personal Information

Office Phone: +90 383 Extension: 2914

Email: oacikgoz@yildiz.edu.tr

Other Email: ozgen.acikgoz@gmail.com

Web: <https://avesis.yildiz.edu.tr/oacikgoz>

Address: Görüşme saatleri: Pazartesi: 11:00-12:00 Çarşamba: 11:00-12:00

International Researcher IDs

ScholarID: gN6bmyUAAAAJ

ORCID: 0000-0002-0095-829X

Publons / Web Of Science ResearcherID: Q-8108-2019

ScopusID: 55682489100

Yoksis Researcher ID: 174860

Education Information

Doctorate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Turkey 2007 - 2013

Postgraduate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Turkey 2005 - 2007

Undergraduate, Bursa Uludağ University, Faculty Of Engineering-Architecture, Turkey 2001 - 2005

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, DUVARLARINDAN ISITILAN VE SOĞUTULAN KAPALI HACİMLERDE DOĞAL TAŞINIMIN İNCELENMESİ, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Makine Mühendisliği Bölümü, 2013

Postgraduate, BİR BİRLEŞİK ENERJİ SİSTEMİNDE GÜNEŞ ENERJİSİ DESTEĞİNİN ARAŞTIRILMASI, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Makine Mühendisliği , 2007

Research Areas

Mechanical Engineering, Energy, Thermodynamics, Heat and Mass Transfer, Heating, Refrigerating and Air Conditioning, Computational fluid dynamics, Engineering and Technology

Academic Titles / Tasks

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

Academic and Administrative Experience

Rectorate Commissioner, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, 2020 - Continues

Internship Committee Member, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, 2018 - Continues

Erasmus Program Department Coordinator, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, 2016 - Continues

Courses

Proje 1, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

Graduation Thesis, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

Thermodynamics 2, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

İleri Termodinamik, Doctorate, 2022 - 2023

Fluid Mechanics 1, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

Termodinamik 1, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

Heat Transfer in Bioengineering, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

Heat Transfer 1, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

Project 2, Undergraduate, 2022 - 2023, 2020 - 2021, 2019 - 2020, 2018 - 2019

Graduation Thesis, Postgraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

Uzmanlık Alan Dersi, Postgraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

Isı deęiřtirici tasarımı, Postgraduate, 2019 - 2020

Thermodynamics, Undergraduate, 2019 - 2020

BUILDING AUTOMATION AND ENERGY MANAGEMENT, Undergraduate, 2017 - 2018

Bilgisayar Destekli Teknik Resim, Undergraduate, 2013 - 2014

Advising Theses

Açıkğöz Ö., Sürtünme Karıştırma Kaynağı ile Üretilen Sıvı Kanallarında Tolerans Açıklığının Isı Transferi ve Akış Karakteristiklerine Etkisinin Sayısal Olarak İncelenmesi, Postgraduate, A.ŞAHİN(Student), 2022

Dalkılıç A. S., Açıkğöz Ö., BİR YÜZEYİNE RADYANT SOĞUTMA UYGULANAN KAPALI BİR HACİMDE CEBRİ HAVALANDIRMANIN ISI GEÇİŞİ KARAKTERİSTİKLERİNE ETKİSİNİN İNCELENMESİ , Doctorate, M.CAMCI(Student), 2022

Açıkğöz Ö., Yüzeylerinden soğutulan bir yaşam mahalinde gerçekleşen farklı termal koşullarda ısıyınım ve taşıyınının sayısal olarak incelenmesi, Postgraduate, C.SEZER(Student), 2020

Açıkğöz Ö., Çatı tipi klimalarda kullanılan soğutucu akışkanların performans ve çevresel etkileri, Postgraduate, K.SÜERDEM(Student), 2020

Jury Memberships

Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, April, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Yıldız Teknik Üniversitesi, April, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Yıldız Teknik Üniversitesi, January, 2022

Doctoral Examination, Doctoral Examination, Yıldız Teknik Üniversitesi, December, 2021

Doctoral Examination, Doctoral Examination, Yıldız Teknik Üniversitesi, December, 2021

Doctoral Examination, Doctoral Examination, Yıldız Teknik Üniversitesi, December, 2021

Doctoral Examination, Doctoral Examination, Yıldız Teknik Üniversitesi, December, 2021

Doctoral Examination, Doctoral Examination, Yıldız Teknik Üniversitesi, December, 2021

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Yıldız Teknik Üniversitesi, October, 2019

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Yıldız Teknik Üniversitesi, June, 2019

Doctoral Examination, Doctoral Examination, Yıldız Teknik Üniversitesi, April, 2019

Doctoral Examination, Doctoral Examination, İstanbul Teknik Üniversitesi, December, 2018

Taught Courses And Trainings

Açıköz Ö., BİNA ENERJİ YÖNETİCİSİ EĞİTİMİ, 2011 - 2011

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Experimental and numerical investigations on the heat transfer characteristics of a real-sized radiant cooled wall system supported by machine learning**
Çolak A. B., Acikgoz Ö., Karakoyun Y., Koca A., Dalkılıç A. S.
International Journal of Thermal Sciences, vol.191, 2023 (SCI-Expanded)
- II. **Performance of refrigerants employed in rooftop air-conditioners**
Suerdem K., Taner T., Açıköz Ö., Dalkilic A. S., Panchal H.
JOURNAL OF BUILDING ENGINEERING, vol.70, pp.1-19, 2023 (SCI-Expanded)
- III. **Prediction of nanofluid flows' optimum velocity in finned tube-in-tube heat exchangers using artificial neural network**
Çolak A. B., Mercan H., Açıköz Ö., Dalkılıç A. S., Wongwises S.
Kerntechnik, vol.88, no.1, pp.100-113, 2023 (SCI-Expanded)
- IV. **An experimental investigation on the radiant cooled wall's heat transfer characteristics in a fully conditioned real-sized living environment**
Koca A., Karakoyun Y., Acikgoz Ö., Dogu M., Dalkilic A. S.
Energy and Buildings, vol.277, 2022 (SCI-Expanded)
- V. **Experimental investigation of mixed and forced convection generated by displacement ventilation with radiant wall heating**
Camci M., Karakoyun Y., Acikgoz Ö., Dalkilic A. S.
International Communications in Heat and Mass Transfer, vol.139, 2022 (SCI-Expanded)
- VI. **Prediction of heat transfer coefficient, pressure drop, and overall cost of double-pipe heat exchangers using the artificial neural network**
Çolak A. B., Açıköz Ö., Mercan H., Dalkılıç A. S., Wongwises S.
CASE STUDIES IN THERMAL ENGINEERING, vol.39, no.November, pp.1-30, 2022 (SCI-Expanded)
- VII. **Machine learning approach to predict the heat transfer coefficients pertaining to a radiant cooling system coupled with mixed and forced convection**
Açıköz Ö., Çolak A. B., Camcı M., Karakoyun Y., Dalkılıç A. S.
INTERNATIONAL JOURNAL OF THERMAL SCIENCES, vol.178, pp.1-14, 2022 (SCI-Expanded)
- VIII. **An experimental study on the heat transfer characteristics over a radiant cooled wall exposed to mixed and forced convection driven by displacement ventilation**
Camci M., Karakoyun Y., Açıköz Ö., Dalkilic A. S.
International Communications in Heat and Mass Transfer, vol.135, 2022 (SCI-Expanded)
- IX. **CFD analyses on the thermal comfort conditions of a cooled room: a case study**
Ozsagiroglu S., Camcı M., Taner T., Açıköz Ö., Dalkılıç A. S., Wongwises S.
Journal of Thermal Analysis and Calorimetry, vol.147, no.3, pp.2615-2639, 2022 (SCI-Expanded)
- X. **A NUMERICAL STUDY AIMED AT FINDING OPTIMAL ARTIFICIAL NEURAL NETWORK MODEL COVERING EXPERIMENTALLY OBTAINED HEAT TRANSFER CHARACTERISTICS OF HYDRONIC**

UNDERFLOOR RADIANT HEATING SYSTEMS RUNNING VARIOUS NANOFLUIDS

Colak A. B., Karakoyun Y., AÇIKGÖZ Ö., YUMURTACI Z., DALKILIÇ A. S.

HEAT TRANSFER RESEARCH, vol.53, no.5, pp.51-71, 2022 (SCI-Expanded)

- XI. **A Numerical Study Aimed at Finding Optimal Artificial Neural Network Model Covering Experimentally Obtained Heat Transfer Characteristics of Hydronic Underfloor Radiant Heating**
Çolak A. B., Karakoyun Y., Açıkgöz Ö., Yumurtacı Z., Dalkılıç A. S.
Heat Transfer Research, vol.53, pp.51-71, 2022 (SCI-Expanded)
- XII. **Heat transfer and pressure drop characteristics of two phase flow in helical coils**
Onal B. S., Kırkar Ş. M., Akgül D., Celen A., Açıkgöz Ö., Dalkılıç A. S., Kazi S. N., Wongwises S.
Thermal Science and Engineering Progress, vol.27, 2022 (SCI-Expanded)
- XIII. **An experimental investigation on the effect of use of nanofluids in radiant floor heating systems**
Karakoyun Y., Açıkgöz Ö., Küçükıldırım B. O., Yumurtacı Z., Dalkılıç A. S.
Energy and Buildings, vol.252, 2021 (SCI-Expanded)
- XIV. **A comparative study on convective heat transfer in indoor applications**
Camcı M., Karakoyun Y., Açıkgöz Ö., Dalkılıç A. S.
Energy and Buildings, vol.242, 2021 (SCI-Expanded)
- XV. **A comprehensive approach to analyze the discrepancies in heat transfer characteristics pertaining to radiant ceiling heating system**
Karakoyun Y., AÇIKGÖZ Ö., ÇEBİ A., Koca A., Çetin G., DALKILIÇ A. S., Wongwises S.
Applied Thermal Engineering, vol.187, 2021 (SCI-Expanded)
- XVI. **An experimental investigation on heat transfer characteristics arising over an underfloor cooling system exposed to different radiant heating loads through walls**
Karakoyun Y., Açıkgöz Ö., Yumurtacı Z., Dalkılıç A. S.
APPLIED THERMAL ENGINEERING, vol.164, 2020 (SCI-Expanded)
- XVII. **Single phase flow of nanofluid including graphite and water in a microchannel**
Yıldız O., Açıkgöz Ö., Yıldız G., Bayrak M., Dalkılıç A. S., Wongwises S.
Heat and Mass Transfer/Waerme- und Stoffuebertragung, vol.56, no.1, pp.1-24, 2020 (SCI-Expanded)
- XVIII. **Realistic experimental heat transfer characteristics of radiant floor heating using sidewalls as heat sinks**
Açıkgöz Ö., Karakoyun Y., Yumurtacı Z., Dukhan N., Dalkılıç A. S.
ENERGY AND BUILDINGS, vol.183, pp.515-526, 2019 (SCI-Expanded)
- XIX. **A COMPUTATIONAL STUDY FOCUSED ON REVEALING THE RELATION BETWEEN CONVECTIVE AND RADIATIVE HEAT TRANSFER FROM A RADIANT HEATED WALL**
Açıkgöz Ö.
HEAT TRANSFER RESEARCH, vol.50, no.15, pp.1437-1455, 2019 (SCI-Expanded)
- XX. **Experimental investigation on the viscosity characteristics of water based SiO₂-graphite hybrid nanofluids**
DALKILIÇ A. S., AÇIKGÖZ Ö., KÜÇÜKYILDIRIM B. O., Eker A., Lüleci B., Jumpholkul C., Wongwises S.
International Communications in Heat and Mass Transfer, vol.97, pp.30-38, 2018 (SCI-Expanded)
- XXI. **An experimental investigation devoted to determine heat transfer characteristics in a radiant ceiling heating system**
Koca A., Açıkgöz Ö., Çebi A., Çetin G., Dalkılıç A. S., Wongwises S.
Heat and Mass Transfer/Waerme- und Stoffuebertragung, vol.54, pp.363-375, 2018 (SCI-Expanded)
- XXII. **Prediction of frictional pressure drop of R134a during condensation inside smooth and corrugated tubes**
DALKILIÇ A. S., Çebi A., AÇIKGÖZ Ö., WONGWISES S.
International Communications in Heat and Mass Transfer, vol.88, pp.183-193, 2017 (SCI-Expanded)
- XXIII. **A novel ANN-based approach to estimate heat transfer coefficients in radiant wall heating systems**
Açıkgöz Ö., Çebi A., Dalkılıç A. S., Koca A., Çetin G., Gemici Z., Wongwises S.
ENERGY AND BUILDINGS, vol.144, pp.401-415, 2017 (SCI-Expanded)
- XXIV. **Determination of Optimum Velocity for Various Nanofluids Flowing in a Double-Pipe Heat Exchanger**

- DALKILIÇ A. S., AÇIKGÖZ Ö., GÜMÜŞ M. A., WONGWISES S.
HEAT TRANSFER ENGINEERING, vol.38, no.1, pp.11-25, 2017 (SCI-Expanded)
- XXV. **Fundamental basis and implementation of shell and tube heat exchanger project design: condenser and evaporator study**
DALKILIÇ A. S., AÇIKGÖZ Ö., TAPAN Ş., WONGWISES S.
HEAT AND MASS TRANSFER, vol.52, no.12, pp.2863-2878, 2016 (SCI-Expanded)
- XXVI. **Prediction of graphite nanofluids' dynamic viscosity by means of artificial neural networks**
Dalkılıç A. S., Cebı A., Celen A., Yıldız O., Açıkgöz Ö., Jumholkul C., Bayrak M., Surana K., Wongwises S.
INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, vol.73, pp.33-42, 2016 (SCI-Expanded)
- XXVII. **Experimental and numerical investigation of the correlation between radiative and convective heat-transfer coefficients at the cooled wall of a real-sized room**
AÇIKGÖZ Ö., Kincay O.
ENERGY AND BUILDINGS, vol.108, pp.257-266, 2015 (SCI-Expanded)
- XXVIII. **A Review of Recent Empirical Correlations for the Calculation of Determination of R134a's Convective Heat Transfer Coefficient in Vertical Condensers**
DALKILIÇ A. S., AKTAŞ M. S., AÇIKGÖZ Ö., WONGWISES S.
INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, vol.69, pp.41-50, 2015 (SCI-Expanded)
- XXIX. **A novel evaluation regarding the influence of surface emissivity on radiative and total heat transfer coefficients in radiant heating systems by means of theoretical and numerical methods**
Acikgoz O.
ENERGY AND BUILDINGS, vol.102, pp.105-116, 2015 (SCI-Expanded)
- XXX. **INVESTIGATION ON THE RELATION BETWEEN EXERGY LOSS AND NTU**
KINCAY O., Celık M. S., Acikgoz O., Dalkilic A. S., Wongwises S.
ISI BILIMI VE TEKNIGI DERGISI-JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY, vol.35, no.2, pp.153-164, 2015 (SCI-Expanded)
- XXXI. **Numerical Determination of Effects of Wall Temperatures on Nusselt Number and Convective Heat Transfer Coefficient in Real-Size Rooms**
AÇIKGÖZ Ö., Kincay O.
ADVANCES IN MECHANICAL ENGINEERING, 2013 (SCI-Expanded)

Articles Published in Other Journals

- I. **Case studies on local mixed convection heat transfer coefficients along a radiant heated wall subjected to displacement ventilation**
Camci M., Karakoyun Y., Açıkgöz Ö., Dalkılıç A. S.
Journal of Thermal Analysis and Calorimetry, 2023 (Scopus)
- II. **COMPREHENSIVE REVIEW ON THE FLOW CHARACTERISTICS OF TWO-PHASE FLOWS IN INCLINED TUBES**
Karademir H., Ozcelik G., Açıkgöz Ö., Dalkılıç A. S., İnce İ. T., Meyer J., Wongwises S.
JOURNAL OF THERMAL ENGINEERING, vol.7, no.3, pp.483-549, 2021 (ESCI)
- III. **An experimental investigation on radiant floor heating systems at various operating conditions**
Karakoyun Y., AÇIKGÖZ Ö., DALKILIÇ A. S., YUMURTACI Z.
Journal of Thermal Engineering, vol.6, no.5, pp.751-771, 2020 (ESCI)
- IV. **DETERMINATION OF CONVECTIVE, RADIATIVE, AND TOTAL HEAT TRANSFER CHARACTERISTICS OVER A RADIANT HEATED CEILING: A COMPUTATIONAL APPROACH**
Açıkgöz Ö.
JOURNAL OF THERMAL ENGINEERING, vol.5, no.5, pp.372-384, 2019 (ESCI)
- V. **DETERMINATION OF SOME DOMESTIC RADIATORS' THERMAL CAPACITY NUMERICALLY**
Dalkılıç A. S., Açıkgöz Ö., Ekici E., Wongwises S.
JOURNAL OF THERMAL ENGINEERING, vol.5, pp.251-270, 2019 (ESCI)

- VI. **Dikey Tip Toprak Kaynaklı Isı Pompası Destekli Duvardan Isıtma Sisteminin Enerjistik Performans İncelenmesi**
Akbulut U., Açıkgöz Ö., Kıncay O.
Tesisat Mühendisliği, no.146, pp.87-93, 2015 (Peer-Reviewed Journal)
- VII. **Duvarın Isıtılmal Yapılarda Dış Cephe Kaplamasının Isıl Performansa Etkisi**
Kıncay O., Akbulut U., Yörü Y., Açıkgöz Ö., Başkal A.
Tesisat Mühendisliği, vol.119, pp.11-18, 2010 (Peer-Reviewed Journal)
- VIII. **COMBINING TREND OF RENEWABLE ENERGY SOURCES**
Kıncay O., Utlü Z., Ağustos H., Akbulut U., Açıkgöz Ö.
Sigma Journal of Engineering and Natural Sciences, vol.27, pp.60-82, 2009 (ESCI)
- IX. **Dikey Tip Toprak Kaynaklı Isı Pompası Kullanımında Güneş Enerji Desteğinin Araştırılması**
Ağustos H., Açıkgöz Ö., Akbulut U., Kıncay O.
Tesisat Mühendisliği, vol.106, pp.47-53, 2008 (Peer-Reviewed Journal)
- X. **Güneş Enerjisi ve Toprak Kaynaklı Isı Pompası Sistemlerinin Konvansiyonel Sistemlerle Ekonomik Olarak Karşılaştırılması**
Kıncay O., Akbulut U., Ağustos H., Açıkgöz Ö., Çetin Ö.
Tesisat Mühendisliği, vol.106, pp.5-12, 2008 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Exergetic analysis of a vertical ground-source heat pump system with wall heating/cooling**
Akbulut U., Açıkgöz Ö., Kıncay O., Karakoç T. H.
in: Progress in Exergy, Energy, and the Environment, İbrahim Dinçer, Adnan Midilli, Haydar Küçük, Editor, Springer, London/Berlin, Lausanne, pp.305-312, 2014

Refereed Congress / Symposium Publications in Proceedings

- I. **TECHNICALITY OF THE EXPERIMENTAL SETUP FOR THE INVESTIGATION OF RADIANT HEATING/COOLING SYSTEMS**
Camcı M., Karakoyun Y., Açıkgöz Ö., Dalkılıç A. S.
6th International Conference on Advances in Mechanical Engineering, İstanbul, Turkey, 20 - 22 October 2021, pp.1422-1431
- II. **A short review of internal mixed convective heat transfer at building applications**
Camcı M., Açıkgöz Ö., Dalkılıç A. S.
5th international conference on advances in mechanical engineering İstanbul 2019, İstanbul, Turkey, 17 - 19 December 2019, pp.1386-1393
- III. **BRIEF LITERATURE REVIEW ON THE BOILING HEAT TRANSFER CHARACTERISTICS OF INCLINED TUBES**
Karademir H., AÇIKGÖZ Ö., CELEN A., DALKILIÇ A. S., Wongwises S.
5TH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2019, İstanbul, Turkey, 17 - 19 December 2019
- IV. **BRIEF LITERATURE REVIEW ON THE CONDENSATION HEAT TRANSFER CHARACTERISTICS OF HELICAL COILS**
ÖNAL B. S., KIRKAR Ş. M., Akgül D., CELEN A., AÇIKGÖZ Ö., DALKILIÇ A. S., Wongwises S.
5TH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2019, İstanbul, Turkey, 17 - 19 December 2019
- V. **BRIEF LITERATURE REVIEW ON THE SINGLE-PHASE FLOW HEAT TRANSFER CHARACTERISTICS OF HELICAL COILS**
Akgül D., KIRKAR Ş. M., ÖNAL B. S., CELEN A., AÇIKGÖZ Ö., DALKILIÇ A. S., Wongwises S.

5TH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2019, İstanbul, Turkey, 17 - 19 December 2019

- VI. **An Experimental Investigation on Heat Transfer Characteristics over an Underfloor Heating System**
Açıkgöz Ö., Karakoyun Y., Dalkılıç A. S.
4TH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2018, 19-21 DECEMBER 2018, İstanbul, Turkey, 19 - 21 December 2018, vol.1, pp.1831-1843
- VII. **DETERMINATION OF THE VISCOSITY CHARACTERISTICS OF WATER BASED SiO₂-GRAPHITE HYBRID NANOFUIDS**
Dalkılıç A. S., Açıkgöz Ö., Küçükyıldırım B. O., Akdoğan Eker A.
4TH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2018, 19-21 DECEMBER 2018, İstanbul, Turkey, 19 - 21 December 2018, vol.1, pp.1844-1855
- VIII. **Experiments on Determination of Heat Transfer Coefficients for a Radiant Heated Enclosure**
Karakoyun Y., Dalkılıç A. S., Yumurtacı Z., Açıkgöz Ö., Demirtaş S.
INTERNATIONAL ENGINEERING AND TECHNOLOGY SYMPOSIUM, Batman, Turkey, 3 - 05 May 2018, vol.1, no.1, pp.1240-1245
- IX. **An Investigation to Determine Heat Transfer Characteristics of R134a Used In Smooth and Microfin Pipes**
Celen A., Dalkılıç A. S., Açıkgöz Ö.
3rd INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2017, İstanbul, Turkey, 19 - 21 December 2017, pp.1-15
- X. **An Investigation to Acquire Radiative Heat Transfer Coefficients in a Radiant Ceiling Cooling Application**
Açıkgöz Ö., Celen A., Dalkılıç A. S.
3rd INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2017, İstanbul, Turkey, 19 - 21 December 2017, pp.1-15
- XI. **AN EXAMINATION OF FLOW BOILING OF R134A THROUGH A MULTI-MICROCHANNEL HEAT SINK**
Dalkılıç A. S., Açıkgöz Ö., Wongwises S.
3rd INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2017, İstanbul, Turkey, 19 - 21 December 2017, pp.1-15
- XII. **Validation of domestic radiators' thermal capacity with a numerical software**
Dalkılıç A. S., Açıkgöz Ö., Ekici E., Wongwises S.
INTERNATIONAL CONFERENCE ON ENERGY AND THERMAL ENGINEERING: ISTANBUL 2017, İstanbul, Turkey, 4 - 06 January 2017, pp.1-15
- XIII. **Investigation and generalization of convective heat transfer in different room geometries**
Açıkgöz Ö., Dalkılıç A. S., Wongwises S.
Conference on Mechanical and Production Engineering, Chon-Buri, Thailand, 13 - 14 July 2016, pp.1-15
- XIV. **Determination of R134a s convective heat transfer coefficient in horizontal evaporators having smooth and corrugated tubes**
Dalkılıç A. S., Açıkgöz Ö., Tapan Ş., Wongwises S.
International Conference on Mechanical and Production Engineering, Chon-Buri, Thailand, 13 - 14 May 2016
- XV. **Experimental apparatus design for study of pool boiling heat transfer characteristics of Al₂O₃ water nanofluids on a horizontal cylindrical heating surface**
Dalkılıç A. S., Açıkgöz Ö.
International Conference on Advances in Mechanical Engineering, İstanbul, Turkey, 10 - 13 May 2016, pp.1-15
- XVI. **A numerical investigation on the convective heat transfer coefficient in radiant ceiling cooling systems**
Açıkgöz Ö., Dalkılıç A. S.
International Conference on Advances in Mechanical Engineering, İstanbul, Turkey, 10 - 13 May 2016, pp.1-15
- XVII. **New approach on the determination of the total heat transfer coefficient in radiant wall heating systems**
Açıkgöz Ö., Dalkılıç A. S.

- International Conference on Advances in Mechanical Engineering, İstanbul, Turkey, 10 - 13 May 2016, pp.1-15
- XVIII. **Experimental apparatus design for study of heat transfer and flow characteristics of water flowing through internally grooved tubes**
Dalkılıç A. S., Açıköz Ö.
- International Conference on Advances in Mechanical Engineering, İstanbul, Turkey, 10 - 13 May 2016, pp.1-15
- XIX. **Fundamental Basis and Implementation of Shell and Tube Heat Exchanger Project Design: Condenser Study**
Açıköz Ö., Dalkılıç A. S.
- INTERNATIONAL CONFERENCE ON ENERGY SYSTEMS ISTANBUL 2015, İstanbul, Turkey, 23 - 25 December 2015, pp.1059-1066
- XX. **COMPUTATIONAL INVESTIGATION OVER CONVECTIVE HEAT TRANSFER IN RADIANT HEATED LIVING PLACES**
Açıköz Ö., Dalkılıç A. S.
- INTERNATIONAL CONFERENCE ON ENERGY SYSTEMS ISTANBUL 2015, İstanbul, Turkey, 23 - 25 December 2015, pp.1055-1058
- XXI. **The investigation of convective heat transfer in different room geometries by means of numerical solution techniques**
AÇIKGÖZ Ö., DALKILIÇ A. S., Kincay O., Wongwises S.
- Energy Technologies Conference (ENTECH14), 22 - 24 December 2014
- XXII. **Determination of the Effect of Wall Heating Systems on Convective Heat Transfer Coefficient in Buildings**
AÇIKGÖZ Ö., Kincay O., Utlü Z.
- International Conference on Advanced Material and Manufacturing Science (ICAMMS 2012), Beijing, China, 20 - 21 December 2012, pp.1630-1631
- XXIII. **Support of solar energy on hybrid system**
Açıköz Ö., Akbulut U., Ağustos H.
- 21st International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems, Krakow, Poland, 24 - 27 June 2008, vol.1, no.1, pp.1177-1183

Supported Projects

AÇIKGÖZ Ö., CANBAY TÜRKİYILMAZ Ç., CAMCI M., KARAKOYUN Y., Rahmanparast A., WONGWİSES S., DALKILIÇ A. S., ÇELİK E., Bardakçı A. T., Project Supported by Higher Education Institutions, Isıtma Sezonunda Radyant Sistemlerle Beraber Farklı Hibrit İklimlendirme Sistemlerin Termal Konfora Etkisi, 2022 - Continues

DALKILIÇ A. S., KIRKAR Ş. M., KOYUN A., AÇIKGÖZ Ö., AKYOL E., KIRBOĞA OKUMUŞ S., Önal B. S., Akgül D., WONGWİSES S., CELEN A., Project Supported by Higher Education Institutions, İki Fazlı Akışlarda İyileştirilmiş Düz ve Helezon Borularda Isı Transferi Katsayısı ve Basınç Düşümünün Deneysel Araştırılması, 2019 - 2023

ÖZKAYA B., AÇIKGÖZ Ö., BALIK D., DALKILIÇ A. S., BİLGİLİ M. S., KAVANOZ S., ACAR VURAL R., TOPUZOĞULLARI M., KAYA İ., ŞEHİTOĞLU Y., et al., Project Supported by Higher Education Institutions, Yayıncısı Yıldız Teknik Üniversitesi olan akademik dergilerimiz için iyileştirilmiş güncel ve sürdürülebilir bir yapılanma sağlanarak dergilerin etkinliğinin ve Üniversitemizin tanınırlığının artırılması, 2021 - 2022

AÇIKGÖZ Ö., CAMCI M., DALKILIÇ A. S., KARAKOYUN Y., Project Supported by Higher Education Institutions, Radyant Yüzeyle Isıtma Sistemlerinde Havalandırmanın Isı Geçişi Karakteristiklerine Etkisinin İncelenmesi, 2019 - 2021

Açıköz Ö., Dalkılıç A. S., Karakoyun Y., Camcı M., Project Supported by Higher Education Institutions, Radyant Yüzeyle Isıtma Sistemlerinde Havalandırmanın Isı Geçişi Karakteristiklerine Etkisinin İncelenmesi, 2019 - 2021

Açıköz Ö., Celen A., Dalkılıç A. S., Bilge Z. D., Project Supported by Higher Education Institutions, Nano Soğutucu Akışkanlı Buhar Sıkıştırma Soğutma Çevriminin Performansının Deneysel Olarak İncelenmesi, 2015 - 2018

TEMİR G., DALKILIÇ A. S., KARAKOYUN Y., AKDOĞAN EKER A., AÇIKGÖZ Ö., KÜÇÜKYILDIRIM B. O., Project Supported by Higher Education Institutions, Nano akışkanlarla radyant döşemeden ısıtmanın konveksiyon ve radyasyon açısından incelenmesi, 2015 - 2018

Kıncay O., Açıkgöz Ö., Keyf S., Yumurtacı Z., Project Supported by Higher Education Institutions, Rüzgar Enerjisi, Güneş Enerjisi, Toprak Kaynaklı Dikey Tip Isı Pompası, Isıl Enerji Depolama Sistem Bileşenleri ile Isıtma, Soğutma ve Aydınlatma Amaçlı Oluşturulacak Birleşik Yenilenebilir Enerji Sisteminin Modelleme ve Analizlerinin Gerçekleştirilmesi,, 2007 - 2011

Activities in Scientific Journals

Journal of Thermal Engineering, Editor, 2015 - Continues

Memberships / Tasks in Scientific Organizations

TMMOB Makine Mühendisleri Odası, Member, 2005 - Continues

Scientific Refereeing

APPLIED THERMAL ENGINEERING, Journal Indexed in SCI-E, September 2019

Applied Thermal Engineering, Journal Indexed in SCI-E, June 2019

Journal of Thermal Engineering, Journal Indexed in ESCI, November 2018

BUILDING AND ENVIRONMENT, SCI Journal, August 2018

Journal of Thermal Engineering, Journal Indexed in ESCI, September 2016

ENERGY, SCI Journal, August 2016

APPLIED THERMAL ENGINEERING, Journal Indexed in SCI-E, August 2016

ENERGY CONVERSION AND MANAGEMENT, SCI Journal, July 2016

Journal of Thermal Engineering, Journal Indexed in ESCI, February 2016

Energy And Buildings, Journal Indexed in SCI-E, October 2014

ENERGY AND BUILDINGS, Journal Indexed in SCI-E, September 2014

ENERGY AND BUILDINGS, Journal Indexed in SCI-E, April 2014

ENERGY AND BUILDINGS, Journal Indexed in SCI-E, July 2013

ENERGY AND BUILDINGS, Journal Indexed in SCI-E, May 2012

Metrics

Publication: 67

Citation (WoS): 304

Citation (Scopus): 390

H-Index (WoS): 10

H-Index (Scopus): 11

Congress and Symposium Activities

2nd International Conference on Mechanical and Aeronautical Engineering, Working Group, Thanyaburi, Thailand, 2016

CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2016, Working Group, İstanbul, Turkey, 2016

International Conference on Energy Systems, Working Group, İstanbul, Turkey, 2015

Energy Technologies Conference (ENTECH 14), Working Group, İstanbul, Turkey, 2014

11th International Conference on Sustainable Energy Technologies (SET-2012), Working Group, Vancouver, Canada, 2012

Uluslararası Katılımlı Nükleer ve Alternatif Enerji Kaynakları TÜBAV Konferansı, NUYEK-2009, Working Group, Ankara, Turkey, 2009

ECOS 2008, Working Group, Krakow, Poland, 2008

Ulusal İklimlendirme Kongresi, Working Group, Antalya, Turkey, 2007

Awards

Açıköz Ö., Tübitak Yayın Teşvik Ödülü, Tübitak, March 2016

Açıköz Ö., Tübitak Yayın Teşvik Ödülü, Tübitak, March 2016

Açıköz Ö., YAYIN TEŞVİK ÖDÜLÜ, Tübitak, August 2015