

Prof. Şevket Özgür ATAYILMAZ

Personal Information

Email: atayil@yildiz.edu.tr

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

Address: YTÜ Makine Fak. Makine Müh. Böl. Merkez Yerleşim E1 Blok No:25 Barbaros/Beşiktaş/İST

Education Information

Doctorate, Yıldız Teknik Üniversitesi, Makine Mühendisliği, Turkey Continues

Marmara Üniversitesi, İşletme, Turkey Continues

Yıldız Teknik Üniversitesi, Makine Mühendisliği, Turkey Continues

Undergraduate, Yıldız Teknik Üniversitesi, Faculty of Mechanical Engineering, Makine Mühendisliği, Turkey Continues

Research Areas

Mechanical Engineering, Thermodynamics, Heat and Mass Transfer, Engineering and Technology

Academic Titles / Tasks

Professor, Yildiz Technical University, Faculty of Mechanical Engineering, 2017 - Continues

Associate Professor, Yildiz Technical University, Faculty of Mechanical Engineering, 2012 - 2017

Assistant Professor, Yildiz Technical University, Faculty of Mechanical Engineering, 2011 - 2012

Research Assistant, Yildiz Technical University, Faculty of Mechanical Engineering, 1997 - 2011

Advising Theses

ATAYILMAZ Ş. Ö. , Farklı Soğutucu Akışkan Karışımlarının Performanslarının İncelenmesi, Postgraduate, U.KEMERLİ(Student), 2016

ATAYILMAZ Ş. Ö. , NO-FROST DERİN DONDURUCULARDA ENERJİ VERİMLİLİĞİ, Postgraduate, H.Anıl(Student), 2016

ATAYILMAZ Ş. Ö. , BUZDOLABI HAVA DAĞITIM SİSTEMİNİN MODELLENMESİ, Postgraduate, F.ERDEM(Student), 2016

ATAYILMAZ Ş. Ö. , SOĞUTMA SİSTEMLERİNDE KULLANILAN KILCAL BORULARDAKİ AKIŞIN İNCELENMESİ, Postgraduate, K.ÖRGÜNAL(Student), 2016

ATAYILMAZ Ş. Ö. , Isı Pompası Uygulamaları İçin Donatılı Bina Temeli Isıl Özelliklerinin İncelenmesi, Postgraduate, B.Burak(Student), 2016

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

- I. **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 (Journal Indexed in SCI)
- II. **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 (Journal Indexed in SCI)

- III. **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 (Journal Indexed in SCI)
- IV. **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 (Journal Indexed in SCI)
- V. **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 (Journal Indexed in SCI)
- VI. **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 İ.
JOURNAL OF RENEWABLE AND SUSTAINABLE ENERGY, vol.7, no.6, 2015 (Journal Indexed in SCI)
- VII. **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 İ.
ENERGY, vol.90, pp.1563-1568, 2015 (Journal Indexed in SCI)
- VIII. **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 İ., AĞRA Ö., DEMİR H., ATAYILMAZ Ş. Ö.
Energy, vol.78, pp.114-121, 2014 (Journal Indexed in SCI)
- IX. **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 (Journal Indexed in SCI)
- X. **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 (Journal Indexed in SCI)
- XI. **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 (Journal Indexed in SCI)
- XII. **Experimental and numerical study of natural convection heat transfer from horizontal concentric cylinders**
Atayilmaz Ş. Ö.
INTERNATIONAL JOURNAL OF THERMAL SCIENCES, vol.50, no.8, pp.1472-1483, 2011 (Journal Indexed in SCI)
- XIII. **Transient and steady-state natural convection heat transfer from a heated horizontal concrete cylinder**
Atayilmaz Ş. Ö.
INTERNATIONAL JOURNAL OF THERMAL SCIENCES, vol.49, no.10, pp.1933-1943, 2010 (Journal Indexed in SCI)
- XIV. **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 (Journal Indexed in SCI)
- XV. **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 (Journal Indexed in SCI)
- XVI. **Experimental and numerical study of the natural convection from a heated horizontal cylinder wrapped with a layer of textile material**
ATAYILMAZ Ş. Ö., Teke I.
INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, vol.37, no.1, pp.58-67, 2010 (Journal Indexed in SCI)
- XVII. **Experimental and numerical study of the natural convection from a heated horizontal cylinder**
ATAYILMAZ Ş. Ö., Teke I.
INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, vol.36, no.7, pp.731-738, 2009 (Journal Indexed in SCI)
- XVIII. **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 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Numerical and Experimental Investigation of Air Distribution System of Larder Type Refrigerator**
Şahnali Erdem F., ATAYILMAZ Ş. Ö., Aynur T. N.
Mechanical and Mechatronics Engineering, vol.13, no.12, pp.728-736, 2019 (Non-Refereed Journal)
- II. **A hybrid numerical/experimental study of the aerodynamic noise prediction**
Alkan B., ATAYILMAZ Ş. Ö.
Journal of Thermal Engineering, vol.4, no.4, pp.2201-2210, 2018 (Journal Indexed in ESCI)
- III. **EXPERIMENTAL INVESTIGATION OF EVAPORATION FROM A HORIZONTAL FREE WATER SURFACE**
İNAN M., ATAYILMAZ Ş. Ö.
Sigma Journal of Engineering and Natural Sciences, vol.35, pp.119-131, 2017 (Journal Indexed in ESCI)
- IV. **Farklı Radyant Panel Konfigürasyonlarına Göre Elde Edilen Panel Isı Akılarının İncelenmesi**
Kanbur B. B., Çalıkran C., ÇUBUK M. H., Kaya K., ATAYILMAZ Ş. Ö.
Tesisat Mühendisliği, no.135, pp.14-25, 2013 (Other Refereed National Journals)
- V. **Değişken Soğutuculu Akışkan Debili Sistem Uygulamaları**
KELEŞOĞLU B., ATAYILMAZ Ş. Ö., DEMİR H.
Tesisat Mühendisliği, vol.102, pp.53-55, 2007 (Other Refereed National Journals)
- VI. **Değişik Tipteki Radyatörlerin Performanslarının Deneysel İncelenmesi**
DEMİR H., KELEŞOĞLU B., ATAYILMAZ Ş. Ö.
Tesisat Mühendisliği, vol.102, pp.5-9, 2007 (Other Refereed National Journals)

Refereed Congress / Symposium Publications in Proceedings

- I. **İKİ FARKLI HATVE DEĞERİNE SAHİP KARŞI AKIŞLI, ISLAK TİP SOĞUTMA KULESİ PVC FİLM DOLGU MALZEMELERİNİN PERFORMANS DEĞERLENDİRMESİ**
TUKTA C., ATAYILMAZ Ş. Ö.
4TH INTERNATIONAL CONGRESS ON ENGINEERING, ARCHITECTURE AND DESIGN, Turkey, 23 - 24 April 2019
- II. **EXPERIMENTAL AND NUMERICAL STUDY OF ALUMINUM HEAT EXCHANGER DESIGNED FOR DOMESTIC HEATING**
Keser T. A., ATAYILMAZ Ş. Ö.
4TH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2018, 19-21 DECEMBER 2018, 19 - 21 December 2018
- III. **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

- 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. **KANATLI BORULU ISI DEĞİŞTİRİCİLERİNDE SIRA VE DEVRE SAYISININ ISI TRANSFERİ VE BASINÇ DÜŞÜMÜNE ETKİSİNİN SAYISAL ANALİZİ**
YILDIRIM A., ATAYILMAZ Ş. Ö.
4. Uluslararası Katılımlı Anadolu Enerji Sempozyumu, Edirne, Turkey, 18 April 2018, pp.411-426
- VII. **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
- VIII. **A HYBRID NUMERICAL/EXPERIMENTAL STUDY OF THEAERODYNAMIC NOISE PREDICTION**
ALKAN B., ATAYILMAZ Ş. Ö.
INTERNATIONAL CONFERENCE ON ENERGY AND THERMAL ENGINEERING: ISTANBUL 201725-28 April 2017, Yıldız Technical University, Istanbul, Turkey, 25 - 28 April 2017
- IX. **EXAMINATION OF THE EFFECT OF AXIAL FAN AND SHROUD ON NOISE**
ERDOĞAN K., ATAYILMAZ Ş. Ö.
INTERNATIONAL CONFERENCE ON ENERGY AND THERMAL ENGINEERING: ISTANBUL 2017, 25 - 28 April 2017
- X. **An Experimental Study on Water Evaporation Using Climatic Test Chamber**
İNAN M., ATAYILMAZ Ş. Ö.
INTERNATIONAL CONFERENCE ON ADVANCES IN SCIENCE AND ARTS ISTANBUL 2017, 29 - 31 March 2017
- XI. **Numerical Modeling Of Horizontal Ground Source Heat Pump System For Snow Melting On Pavements**
KAYACI N., GÖNÜL A., DEMİR H., ATAYILMAZ Ş. Ö. , SEVİNDİR M. K.
2nd Internaional Conference on Mechnical and Aeronautical Engineering, 13 - 14 July 2016
- XII. **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
- XIII. **The Economic Comparison of Seawater Source Heat Pump Application and Electric Heating on Bridge Heating in Winter**
SEVİNDİR M. K. , DEMİR H., ATAYILMAZ Ş. Ö. , KAYACI N., GÖNÜL A.
2nd Internaional Conference on Mechnical and Aeronautical Engineering, 13 - 14 July 2016
- XIV. **EXPERIMENTAL APPARATUS FOR DETERMINATION OF HEAT TRANSFERPERFORMANCE FOR HYBRID WALL PANEL HEATING COOLING SYSTEM**
ÇETİN G., ATAYILMAZ Ş. Ö.
INTERNATIONAL CONFERENCE ON ENERGY SYSTEMS ISTANBUL 2015 - ICES'1523-25 December 2015, Yıldız Technical University, Istanbul, Turkey, 23 - 25 December 2015
- XV. **Natural Heat Transfer Between Vertically Arranged Horizontal Cylinders**
KALAY S., DEMİR H., ATAYILMAZ Ş. Ö.
International Conference On Energy Systems Istanbul 2015 - ICES'15, 23 - 25 December 2015
- XVI. **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 & Exposition IMECE 2015, 13 - 19 November 2015, pp.1-11

XVII. 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 & Exposition IMECE 2015, 13 - 19 November 2015, pp.1-10

XVIII. 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

XIX. 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

XX. 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

XXI. 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

XXII. Thermo-economical Optimization Of Ground Source Heat Pump With Horizontal Ground Heat Exchangers

Gönül A., Kayacı N., ATAYILMAZ Ş. Ö. , Ağra Ö.

Proceedings of the ASME 2014 4th Joint US-European Fluids Engineering Division Summer Meeting and 11th International Conference on Nanochannels, Microchannels, and Minichannels, FEDSM2014, 2014, Chicago, Illinois, 01 August 2014

XXIII. Smoke control of a car park by means of CFD analyses using jet fans

Celen A., Kundu B., Dalkılıç A. S. , Atayılmaz Ş. Ö. , Kayacı N., Wongwises S.

ASME 2014 4th Joint US-European Fluids Engineering Division Summer Meeting, FEDSM 2014, Collocated with the ASME 2014 12th International Conference on Nanochannels, Microchannels, and Minichannels, Illinois, United States Of America, 3 - 07 August 2014

XXIV. 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., Kayacı N., ATAYILMAZ Ş. Ö. , Ağra Ö.

ASME 2014 4th Joint US-European Fluids Engineering Division Summer Meeting, FEDSM 2014, Collocated with the ASME 2014 12th International Conference on Nanochannels, Microchannels, and Minichannels, Illinois, United States Of America, 3 - 07 August 2014

XXV. Investigating the Thermal Conductivity of Different Concrete and Reinforced Concrete Models with Numerical and Experimental Methods

KANBUR B. B. , ATAYILMAZ Ş. Ö. , DEMİR H., KOCA A., GEMİCİ Z.

4th European Conference of Mechanical Engineering (ECME'13), Paris, France, 29 - 31 October 2013, pp.95-101

XXVI. A STUDY ON THE OPTIMUM INSULATION THICKNESS AND ENERGY SAVINGS OF A RADIANT HEATING PANEL MOUNTED WALL FOR VARIOUS PARAMETERS

KANBUR B. B. , ATAYILMAZ Ş. Ö. , KOCA A., GEMİCİ Z., TEKE İ.

CLIMAMED VII. Mediterranean Congress of Climatization, İstanbul, Turkey, 3 - 04 October 2013, pp.791-797

XXVII. RADYANT ISITMA PANELLERİ UYGULAMASI İÇİN BİNALARDAKİ OPTİMUM YALITIM KALINLIKLARININ İNCELENMESİ

KANBUR B. B. , ATAYILMAZ Ş. Ö. , KOCA A., GEMİCİ Z., TEKE İ.

ULIBTK'13 19. Ulusal Isı Bilimi ve Tekniği Kongresi, Samsun, Turkey, 9 - 12 September 2013, pp.1493-1497

- XXVIII. **RADYANT ISITMA PANELLERİNDE AÇIĞA ÇIKAN ISI AKILARININ SAYISAL OLARAK İNCELENMESİ**
KANBUR B. B. , ATAYILMAZ Ş. Ö. , KOCA A., GEMİCİ Z., TEKE İ.
ULIBTK'13 19. Ulusal Isı Bilimi ve Tekniği Kongresi, Samsun, Turkey, 9 - 12 September 2013, pp.1498-1502
- XXIX. **PREDICTION OF PRESSURE DROP OF VARIOUS REFRIGERANTS DURING CONDENSATION IN HORIZONTAL SMOOTH AND MICRO-FIN TUBES BY MEANS OF ARTIFICIAL NEURAL NETWORKS**
Balçılar M., Dalkılıç A. S. , Atayılmaz Ş. Ö. , Demir H., Wongwises S.
ASME International Mechanical Engineering Congress and Exposition, Texas, United States Of America, 9 - 15 November 2012, pp.303-312
- XXX. **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 I.
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
- XXXI. **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
- XXXII. **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
- XXXIII. **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
- XXXIV. **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
- XXXV. **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
- XXXVI. **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
- XXXVII. **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
- XXXVIII. **Experimental research on the comparison of LDA and PIV measuring systems for the determination of the air velocity inside a square channel**
DALKILIÇ A. S. , KÜREKÇİ N. A. , ATAYILMAZ Ş. Ö.
ASME 2009 International Mechanical Engineering Congress and Exposition, IMECE2009, Lake Buena Vista, FL, United States Of America, 13 - 19 November 2009, vol.9, pp.1853-1866
- XXXIX. **Experimental apparatus for the determination of nusselt and rayleigh numbers during natural convection from a heated horizontal cylinder**
ATAYILMAZ Ş. Ö. , DALKILIÇ A. S. , DEMİR H., KÜREKÇİ N. A.
ASME 2009 International Mechanical Engineering Congress and Exposition, IMECE2009, Lake Buena Vista, FL, United States Of America, 13 - 19 November 2009, vol.9, pp.1029-1037
- XL. **Experimental Apparatus for the determination of Nusselt and Rayleigh numbers during natural convection from heated horizontal cylinders**
ATAYILMAZ Ş. Ö. , DALKILIÇ A. S. , DEMİR H., KÜREKÇİ N. A.

International Mechanical Engineering Congress and Exposition, ASME (2009), 13 - 19 November 2009

XLI. Determination of Optimum Design Parameters of Horizontal Parallel Pipe and Vertical U-Tube Ground Heat Exchangers

DEMİR H., KOYUN A., ATAYILMAZ Ş. Ö.

ASME Summer Heat Transfer Conferences, Usa, United States Of America, 01 August 2009, pp.1

XLII. 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

Supported Projects

AĞRA Ö., SEVİNDİR M. K. , GÖNÜL A., TEKE İ., ATAYILMAZ Ş. Ö. , DEMİR H., Project Supported by Higher Education Institutions, Endüstriyel soğutucularda kullanılan telli kondenserlerin performanslarının iyileştirilmesi, 2017 - 2019
Zorer Gedik G., Atayılmaz Ş. Ö. , Gemici Z., Industrial Thesis Project, Yüzeysel ısıtma soğutma sistemli modüler hibrit duvar yapısının geliştirilmesi, 2014 - 2016

DEMİR H., AĞRA Ö., ATAYILMAZ Ş. Ö. , Industrial Thesis Project, Toprak ve Donatılı Bina Temeli Kaynaklı Isı Pompalarında Kaynak Isı Değiştiricisi Performansının İyileştirilmesi İçin Yeni Bir Uygulama Yönteminin Geliştirilmesi, 2014 - 2016

DEMİR H., ATAYILMAZ Ş. Ö. , TUBITAK Project, Çok Yüksek Mukavemetli ve veya Yüksek Modüllü Esneklik Katsayılı Polietilen Tereftalat PET İplik Üretimi İçin Endüstriyel Ekipman ve Proses Modellenmesi ve Tasarımı, 2014 - 2015

ATAYILMAZ Ş. Ö. , TUBITAK Project, RADYANT SOĞUTMA SİSTEMLERİNDE NEMİN PASİF VE EKONOMİK BİR ŞEKİLDE KONTROL EDİLMESİ VE PENCERENİN TERMAL KONFOR ÜZERİNDEKİ OLUMSUZ ETKİSİNİ ORTADAN KALDIRACAK YENİLİKÇİ ÇÖZÜMÜN SAYISAL VE DENEYSEL OLARAK İNCELENMESİ, 2014 - 2015

ATAYILMAZ Ş. Ö. , Eysel Soğutucularda Optimum Yalıtım Kalınlığının Belirlenmesi, 2012 - 2014

ATAYILMAZ Ş. Ö. , Other Supported Projects, Bütünleşik TG-DSC Cihazı Geliştirilmesi, 2012 - 2013

ATAYILMAZ Ş. Ö. , Soğutma Devrelerinde Kullanılan Kılcal Boru İçerisindeki Akışın Görsellenerek İncelenmesi, 2011 - 2013

Gemici Z., Atayılmaz Ş. Ö. , Koca A. İ. , TUBITAK Project, DUVARDAN YERDEN TAVANDAN ISITMA SOĞUTMA UYGULAMALARINDA KULLANILABİLECEK RADYANT KLİMA PANELLERİNİN GELİŞTİRİLMESİ, 2011 - 2013

Atayılmaz Ş. Ö. , Demir H., Teke İ., TUBITAK Project, Soğutucularda Kondenser Performansının İyileştirilmesi, 2008 - 2011

Scientific Refereeing

International Journal of Heat and Mass Transfer, SCI Journal, August 2014

Heat Transfer Engineering Journal, SCI Journal, July 2011

The Arabian Journal for Science and Engineering, SCI Journal, February 2011

Isı Bilimi ve Tekniği Dergisi, SCI Journal, January 2011

Citations

Total Citations (WOS):224

h-index (WOS):8