

# 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, Yildiz Technical University, Makine Mühendisliği, Turkey 1999 - 2007

Postgraduate, Marmara University, İşletme, Turkey 1998 - 2000

Postgraduate, Yildiz Technical University, Makine Mühendisliği, Turkey 1996 - 1999

Undergraduate, Yildiz Technical University, Faculty Of Mechanical Engineering, Makine Mühendisliği, Turkey 1992 - 1996

## Research Areas

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

## Academic Titles / Tasks

Professor, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, 2017 - Continues

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

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

Research Assistant PhD, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, 2007 - 2011

Research Assistant, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, 1997 - 2007

## Academic and Administrative Experience

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

Fakülte Kurulu Üyesi, Yildiz Technical University, Faculty Of Applied Sciences, 2019 - 2023

Fakülte Yönetim Kurulu Üyesi, Yildiz Technical University, Faculty Of Applied Sciences, 2019 - 2023

Bölüm Akademik Teşvik Değerlendirme Komisyonu Başkanı, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, 2017 - 2020

Fakülte Kurulu Üyesi, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, 2017 - 2020

Fakülte Yönetim Kurulu Üyesi, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, 2017 - 2020

Head of Department, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, 2017 - 2020

Head of Department, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, 2017 - 2020

Assistant Manager of Research and Application Center, Yildiz Technical University, 2016 - 2017

## Advising Theses

Atayılmaz Ş. Ö., Ev tipi kurutma makinelerinde tambur içi hava akışının optimizasyonu, Postgraduate, V.AHMET(Student), 2023

Atayılmaz Ş. Ö., Isı pompalı çamaşır kurutma makinesinin sistem tasarım parametreleri optimizasyon modelinin oluşturulması, Doctorate, G.SIR(Student), 2023

Atayılmaz Ş. Ö., KANATLI BORULU ISI DEĞİŞTİRİCİLERDE DEVRELEMENİN DENEYSEL İNCELENMESİ, Postgraduate, F.TEMEL(Student), 2022

Atayılmaz Ş. Ö., Karşı akışlı ıslak tip soğutma kulelerindeki film dolgu malzemelerinin performanslarının incelenmesi, Postgraduate, C.TUKTA(Student), 2019

Atayılmaz Ş. Ö., Kombi ısı değiştiricilerinin optimizasyonu, Postgraduate, T.ARDA(Student), 2019

DEMİR H., ATAYILMAZ Ş. Ö., Bina Temeli Altı Toprak Isı Değiştiricisindeki Isı Transferinin İncelenmesi, Doctorate, N.Kayacı(Student), 2018

Atayılmaz Ş. Ö., Kanatlı borulu ısı değiştiricilerinde devrelemenin ısı transferi ve basınç düşümüne etkisinin sayısal olarak incelenmesi ve optimizasyonu, Postgraduate, A.YILDIRIM(Student), 2018

Atayılmaz Ş. Ö., Eysel tip soğutucularda kullanılan aksel fan ve hava yönlendirme muhafaza yapısının ürün gürültüsüne etkisi ve gürültü düşürülmesi, Postgraduate, K.ERDOĞAN(Student), 2017

Atayılmaz Ş. Ö., Açık çevrimli sistemde aeroakustik optimizasyonu, Postgraduate, B.ALKAN(Student), 2017

Atayılmaz Ş. Ö., Gözenekli yatay bir yüzeyden buharlaşmanın deneysel olarak incelenmesi, Postgraduate, M.İNAN(Student), 2017

Gemici Z., Atayılmaz Ş. Ö., Yüzeyden ısıtma sistemli modüler hibrit duvar panelindeki alüminyum folyonun ölçülerinin belirlenmesi, Postgraduate, M.GÜRSEL(Student), 2016

DEMİR H., ATAYILMAZ Ş. Ö., Natural convection heat transfer from vertically arranged horizontal cylinders, Postgraduate, S.Kalay(Student), 2016

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

Atayılmaz Ş. Ö., BUZDOLABI HAVA DAĞITIM SİSTEMİNİN MODELLENMESİ, Postgraduate, F.ERDEM(Student), 2014

Atayılmaz Ş. Ö., Isı Pompası Uygulamaları İçin Donatılı Bina Temeli Isıl Özelliklerinin İncelenmesi, Postgraduate, B.Burak(Student), 2014

Atayılmaz Ş. Ö., NO-FROST DERİN DONDURUCULARDA ENERJİ VERİMLİLİĞİ, Postgraduate, H.Anıl(Student), 2013

Atayılmaz Ş. Ö., Farklı Soğutucu Akışkan Karışımlarının Performanslarının İncelenmesi, Postgraduate, U.KEMERLİ(Student), 2013

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Numerical modeling and experimental validation of air-side forced convection on a Wire-on-tube condenser for a domestic refrigerator**  
Erdem Şahnalı F., Atayılmaz Ş. Ö., Gemici Z.  
NUMERICAL HEAT TRANSFER; PART A: APPLICATIONS, vol.5, no.1, pp.1-23, 2024 (SCI-Expanded)
- II. **Numerical analysis of the heat transfer and pressure drop of a wavy fin and Kammtail tube condenser: An investigative study**  
Erdem Şahnalı F., Atayılmaz Ş. Ö., Gemici Z.  
CASE STUDIES IN THERMAL ENGINEERING, vol.55, pp.1-21, 2024 (SCI-Expanded)
- III. **Numerical and experimental examinations of free convection condensation of steam in the presence of air over the cooled panel**

Koca A., ATAYILMAZ Ş. Ö.

ENERGY AND BUILDINGS, vol.269, 2022 (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. **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)
- IX. **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 (SCI-Expanded)
- X. **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 (SCI-Expanded)
- XI. **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 (SCI-Expanded)
- XII. **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)
- XIII. **A correlation development for predicting the pressure drop of various refrigerants during condensation and evaporation in horizontal smooth and micro-fin tubes**  
Balcılar 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)
- XIV. **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)
- XV. **Experimental and numerical study of natural convection heat transfer from horizontal concentric cylinders**  
Atayılmaz Ş. Ö.  
INTERNATIONAL JOURNAL OF THERMAL SCIENCES, vol.50, no.8, pp.1472-1483, 2011 (SCI-Expanded)
- XVI. **Transient and steady-state natural convection heat transfer from a heated horizontal concrete cylinder**  
Atayılmaz Ş. Ö.  
INTERNATIONAL JOURNAL OF THERMAL SCIENCES, vol.49, no.10, pp.1933-1943, 2010 (SCI-Expanded)

- XVII. **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)
- XVIII. **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 (SCI-Expanded)
- XIX. **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)
- XX. **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 (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)

## Articles Published in Other Journals

- I. **Theoretical and Experimental Investigation of Mass and Heat Transfer in the Drum in Household Heat Pump Laundry Dryers**  
Sır G., ATAYILMAZ Ş. Ö.  
Journal of Fluid Flow, Heat and Mass Transfer, vol.9, pp.31-37, 2022 (Scopus)
- II. **Investigation of number and methods of circuits in finned tube heat exchangers**  
TEMEL F., ATAYILMAZ Ş. Ö.  
Recent Advances in Science and Engineering, vol.2, no.1, pp.24-32, 2022 (Peer-Reviewed Journal)
- III. **Numerical and Experimental Investigation of Air Distribution System of Larder Type Refrigerator**  
Şahneli Erdem F., ATAYILMAZ Ş. Ö., Aynur T. N.  
Mechanical and Mechatronics Engineering, vol.13, no.12, pp.728-736, 2019 (Non Peer-Reviewed Journal)
- IV. **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 (ESCI)
- V. **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 (ESCI)
- VI. **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 (Peer-Reviewed Journal)
- VII. **Değişik Tipteki Radyatörlerin Performanslarının Deneysel İncelenmesi**  
DEMİR H., KELEŞOĞLU B., ATAYILMAZ Ş. Ö.  
Tesisat Mühendisliği, vol.102, pp.5-9, 2007 (Peer-Reviewed Journal)
- VIII. **Değişken Soğutuculu Akışkan Debili Sistem Uygulamaları**  
KELEŞOĞLU B., ATAYILMAZ Ş. Ö., DEMİR H.  
Tesisat Mühendisliği, vol.102, pp.53-55, 2007 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **NUMERICAL SIMULATION AND EXPERIMENTAL VALIDATION OF FLOW AND HEAT TRANSFER IN AUTOCLAVING PROCESS**  
Terziođlu H., Erdem M. Y., Gungör B., Gemici Z., Atayılmaz Ş. Ö., Demir H.  
16th International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics (HEFAT-ATE 2022), Amsterdam, Netherlands, 8 - 10 August 2022, pp.793-1061
- II. **Numerical Investigation and Optimization of the Effect of Heat Transfer and Pressure Drop on the Circuit in Finned Tube Heat Exchangers**  
Yıldırım A., Atayılmaz Ş. Ö.  
5th International Anatolian Energy Symposium, Trabzon, Turkey, 24 - 26 March 2021, pp.22-31
- III. **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
- IV. **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
- V. **Bina temeline ve altındaki toprađa 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
- 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. **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. **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
- IX. **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
- X. **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
- XI. **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
- XII. **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

- 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.  
Proceedings of 2nd International Conference on Mechanical and Aeronautical Engineering, BANGKOK, 13 - 14 July 2016
- XIV. **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
- XV. **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 International Conference on Mechanical and Aeronautical Engineering, 13 - 14 July 2016
- XVI. **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 International Conference on Mechanical and Aeronautical Engineering, 13 - 14 July 2016
- XVII. **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
- XVIII. **EXPERIMENTAL APPARATUS FOR DETERMINATION OF HEAT TRANSFER PERFORMANCE FOR HYBRID WALL PANEL HEATING COOLING SYSTEM**  
ÇETİN G., ATAYILMAZ Ş. Ö.  
INTERNATIONAL CONFERENCE ON ENERGY SYSTEMS ISTANBUL 2015 - ICES'15 23-25 December 2015, Yıldız Technical University, Istanbul, Turkey, 23 - 25 December 2015
- XIX. **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
- XX. **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
- XXI. **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
- XXII. **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
- XXIII. **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
- 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., 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

- XXV. **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
- XXVI. **Thermo-economical Optimization Of Ground Source Heat Pump With Horizontal Ground Heat Exchangers**  
Gönül A., Kayacı N., ATAYILMAZ Ş. Ö., Agra 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
- XXVII. **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., Agra 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
- XXVIII. **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
- XXIX. **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
- XXX. **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
- XXXI. **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
- XXXII. **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
- XXXIII. **PREDICTION OF PRESSURE DROP OF VARIOUS REFRIGERANTS DURING CONDENSATION IN HORIZONTAL SMOOTH AND MICRO-FIN TUBES BY MEANS OF ARTIFICIAL NEURAL NETWORKS**  
Balcılar 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
- XXXIV. **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
- XXXV. **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.  
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## Non Academic Experience

Business Establishment Private, KaleKalıp, AR-GE

Presidency, Milli Saraylar İdaresi Başkanlığı, Danışmanlar Komitesi

State Economic Organization SEO, TUSAŞ, AR-GE

Municipality, İstanbul Büyükşehir Belediyesi, Altyapı Projeler Müdürlüğü ve Üstyapı Projeler Müdürlüğü

Wilo Pompa

Ortek Isı