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

- I. **Applications of the Temperature-Based Solar Radiation Estimation Models in Turkey**  
Ekici C., TEKE İ.  
JOURNAL OF THE CHINESE SOCIETY OF MECHANICAL ENGINEERS, vol.42, no.4, pp.413-422, 2021 (SCI-Expanded)
- II. **The Role of Calender Gap in Barrel and Screw Wear in Counterrotating Twin Screw Extruders**  
Demirci A., TEKE İ., Polychronopoulos N. D., Vlachopoulos J.  
POLYMERS, vol.13, no.7, 2021 (SCI-Expanded)
- III. **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)
- IV. **Global solar radiation estimation from measurements of visibility and air temperature extremes**  
Ekici C., TEKE İ.  
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.41, no.11, pp.1344-1359, 2019 (SCI-Expanded)
- V. **Gelation of poly(vinyl chloride) inside a single screw extruder and its effect on product properties**  
Demirci A., TEKE İ., Goger A., Canbaz E., Vlachopoulos J.  
JOURNAL OF VINYL & ADDITIVE TECHNOLOGY, vol.25, 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. **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)
- IX. **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)
- X. **Renovating thermal power plant to trigeneration system for district heating/cooling: Evaluation of performance variation**  
Erdem H. H., Akkaya A. V., Dagdas A., Sevilgen S. H., Çetin B., Şahin B., Teke İ., Gungor C., Atas S., Basak M. Z.  
APPLIED THERMAL ENGINEERING, vol.86, pp.35-42, 2015 (SCI-Expanded)
- XI. **Effects of Bed Height and Particle Size on Drying of a Turkish Lignite**  
PUSAT Ş., Akkoyunlu M. T., ERDEM H. H., Teke İ.  
INTERNATIONAL JOURNAL OF COAL PREPARATION AND UTILIZATION, vol.35, no.4, pp.196-205, 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. **Heat transfer enhancement during downward laminar flow condensation of R134a in vertical smooth and microfin tubes**  
DALKILIÇ A. S., Teke I., WONGWISES S.  
Isi Bilimi Ve Teknigi Dergisi/ Journal of Thermal Science and Technology, vol.32, no.1, pp.19-31, 2012 (SCI-Expanded)
- XIV. **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)
- XV. **Experimental analysis for the determination of the convective heat transfer coefficient by measuring pressure drop directly during annular condensation flow of R134a in a vertical smooth tube**  
DALKILIÇ A. S., Teke I., Wongwises S.  
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, vol.54, no.4, pp.1008-1014, 2011 (SCI-Expanded)
- XVI. **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)
- XVII. **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)
- XVIII. **Performance analysis and optimization of heat exchangers: a new thermoeconomic approach**  
ŞAHİN B., ÜST Y., Teke I., ERDEM H. H.  
APPLIED THERMAL ENGINEERING, vol.30, pp.104-109, 2010 (SCI-Expanded)
- XIX. **Thermodynamic analysis of an existing coal-fired power plant for district heating/cooling application**  
Erdem H. H., Dagdas A., Sevilgen S. H., Çetin B., Akkaya A. V., Şahin B., Teke I., Gungor C., Atas S.  
APPLIED THERMAL ENGINEERING, vol.30, pp.181-187, 2010 (SCI-Expanded)
- XX. **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)
- XXI. **Comparative energetic and exergetic performance analyses for coal-fired thermal power plants in Turkey**  
Erdem H. H., Akkaya A. V., Çetin B., Dagdas A., Sevilgen S. H., Şahin B., Teke I., Gungor C., Atas S.  
INTERNATIONAL JOURNAL OF THERMAL SCIENCES, vol.48, pp.2179-2186, 2009 (SCI-Expanded)
- XXII. **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)
- XXIII. **Currency of district cooling systems and alternative energy sources**  
Ulusarslan D., Gemici Z., Teke İ.  
ENERGY EDUCATION SCIENCE AND TECHNOLOGY PART A-ENERGY SCIENCE AND RESEARCH, vol.23, pp.31-53, 2009 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Kombine Isı Pompası-Buhar Türbini Tesisinin Termodinamik ve Ekonomik Etüdü**  
ŞAHİN B., TEKE İ.  
Yıldız Üniversitesi Dergisi, pp.45-55, 1992 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **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
- II. **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
- III. **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
- IV. **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
- V. **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
- VI. **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 İ.  
ASME 2010 International Mechanical Engineering Congress and Exposition, IMECE 2010, Vancouver, Canada, 12 - 18 November 2010, vol.7, pp.461-471
- VII. **Predicting two phase flow pressure drop with CFD and ANN**  
Teke İ., 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
- VIII. **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
- IX. **Comparison of Mathematical Expressions and Experimental Findings for Pressure Drops in the Flow of Low Density Spherical Capsule Train with General Expressions Regarding Spherical Capsule Flows**  
Ulusarslan D., Teke İ.  
The 5th International Conference for Conveying and Handling of Particulate Solids, Naples, Italy, 27 - 31 August 2006, pp.1-12
- X. **Experimental Set-Up and Capsule Feeding System Designed for Spherical Capsule Train Flows**  
Ulusarslan D., Teke İ.  
The 5th International Conference for Conveying and Handling of Particulate Solids, Naples, Italy, 27 - 31 August 2006, pp.1-8
- XI. **Boru Üretimindeki Kaynak Süreçlerinde Isı Olayları**  
Mamedov S., Koyun A., Varol S., Teke İ., Alekberov V., Belen H., Öksüz S., Can N.

II.Ulusal Atom ve Molekül Fiziği Sempozyumu (Sözlü Bildiri), Ankara, Turkey, 9 - 11 September 1998, pp.34

**XII. Linyit gazlaştırması kinetiği**

KOYUN A., Teke İ.

**XIII. Effect of Heat Treatment and Recycled Material on Mechanical and Tech. Properties of Polypropylene and Polyethylene**

KOYUN A., Mamedov Ş., Lenger Y., Alekperov V., Teke İ., Varol S., Belen H., Öksüz S.

Türk Fizik Derneği 17. Fizik Kongresi Alanya

**XIV. Boru üretimindeki kaynak süreçlerinde ısı olayları**

KOYUN A., Mamedov Ş., Varol S., Teke İ., Alekperov V., Belen H., Öksüz S., Can N.

## **Metrics**

Publication: 42

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