

Personal Information

Email: iteke@yildiz.edu.tr

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

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.

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