

Personal Information

Email: can.coskun@erdogan.edu.tr

Web: <https://avesis.erdogan.edu.tr/can.coskun>

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Mechanical Engineering, Energy, Alternative Energy Resources, Solar energy, Geothermal energy, Wind power, Engineering and Technology

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Sensitivity analysis of implicit correlations for photovoltaic module temperature: A review**
Coskun C., TOYGAR U., Sarpdag O., Oktay Z.
JOURNAL OF CLEANER PRODUCTION, vol.164, pp.1474-1485, 2017 (SCI-Expanded)
- II. **A new approach to calculation of energy demand and amount of emission according to different indoor temperature**
Erturk M., Oktay Z., COSKUN C., Kilic G. A., DASDEMIR A.
INTERNATIONAL JOURNAL OF GLOBAL WARMING, vol.7, no.3, pp.395-408, 2015 (SCI-Expanded)
- III. **Comparing advanced exergetic assessments of two geothermal district heating systems for residential buildings**
Kecebas A., COSKUN C., Oktay Z., Hepbasli A.
ENERGY AND BUILDINGS, vol.81, pp.141-151, 2014 (SCI-Expanded)
- IV. **A new approach to determine the outdoor temperature distributions for building energy calculations**
COSKUN C., Erturk M., Oktay Z., Hepbasli A.
ENERGY CONVERSION AND MANAGEMENT, vol.78, pp.165-172, 2014 (SCI-Expanded)
- V. **Change in heating energy requirements for various interior space temperatures: A case study of Karabuk**
Erturk M., Alevay Kocyigit G., Cay Y., Coskun C., OKTAY Z.
Energy Education Science and Technology Part A: Energy Science and Research, vol.31, no.4, pp.1983-1990, 2013 (SCI-Expanded)
- VI. **Change in heating energy requirements for various interior space temperatures: A case study of Karabuk**
ERTURK M., KILIC G. A., Çay Y., COSKUN C., OKTAY COŞKUN Z.
Energy Education Science and Technology Part A:ENERGY EDUCATION SCIENCE AND TECHNOLOGY PART A-ENERGY SCIENCE AND RESEARCH, vol.31, no.4, pp.1983-1990, 2013 (SCI-Expanded)
- VII. **Estimation of the Monthly Based Hourly Wind Speed Characteristics and the Generated Power Characteristics for Developing Bidding Strategies in an Actual Wind Farm: A Case Study**

Akyuz E., Demiral D., COSKUN C., Oktay Z.

ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.38, no.2, pp.263-275, 2013 (SCI-Expanded)

VIII. **Performance assessment of a novel hybrid district energy system**

COSKUN C., Oktay Z., DINCER I.

APPLIED THERMAL ENGINEERING, vol.48, pp.268-274, 2012 (SCI-Expanded)

IX. **Investigation of biogas and hydrogen production from waste water of milk-processing industry in Turkey**

COSKUN C., Bayraktar M., Oktay Z., DINCER I.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.37, no.21, pp.16498-16504, 2012 (SCI-Expanded)

X. **Thermodynamic analyses and case studies of geothermal based multi-generation systems**

COSKUN C., Oktay Z., Dinçer I.

JOURNAL OF CLEANER PRODUCTION, vol.32, pp.71-80, 2012 (SCI-Expanded)

XI. **A novel approach for estimation of photovoltaic exergy efficiency**

Akyuz E., COSKUN C., Oktay Z., DINCER I.

ENERGY, vol.44, no.1, pp.1059-1066, 2012 (SCI-Expanded)

XII. **Investigation of a hybrid solar and geothermal driven absorption cooling system for district applications**

COSKUN C., Oktay Z., DINCER I.

INTERNATIONAL JOURNAL OF EXERGY, vol.11, no.2, pp.205-215, 2012 (SCI-Expanded)

XIII. **A novel approach to degree-hour calculation: Indoor and outdoor reference temperature based degree-hour calculation**

Coskun C.

ENERGY, vol.35, no.6, pp.2455-2460, 2010 (SCI-Expanded)

XIV. **Energy and exergy analyses of an industrial wood chips drying process**

Coskun C., Bayraktar M., Oktay Z., DINCER I.

International Journal of Low-Carbon Technologies, vol.4, no.4, pp.224-229, 2009 (SCI-Expanded)

Articles Published in Other Journals

I. **Winter Season Analysis of Global Warming Impact on Sivas Province**

ERTÜRK M. A. E., BALCI K., COŞKUN C.

Cumhuriyet Science Journal, vol.40, no.3, pp.708-714, 2019 (Peer-Reviewed Journal)

Books & Book Chapters

I. **Prediction of daily average global solar radiation and parabolic monthly irradiation model parameters for Turkey**

OKTAY COŞKUN Z., COSKUN C., ERTURK M.

in: Progress in Exergy, Energy, and the Environment, İbrahim Dinçer, Editor, Springer International Publishing, Londra, pp.867-874, 2014

II. **New parameters for reduction of heating-based greenhouse gas emissions: A case study**

COSKUN C., ERTURK M., OKTAY COŞKUN Z., DINCER I.

in: Causes, Impacts and Solutions to Global Warming, İbrahim Dinçer, Editor, Springer New Basic Books, New York, New York, pp.1067-1076, 2013

III. **A new parameter for comparison of flue gas enthalpy values: Flue gas petrol equivalence coefficient**

COSKUN C., OKTAY COŞKUN Z.

in: Handbook of Sustainable Energy, Lee Cho, Editor, Nova Science Publishers, New York, pp.707-712, 2011

IV. **Environmental benefits of geothermal-based absorption cooling systems**

COŞKUN C., OKTAY Z., DINCER I.

Refereed Congress / Symposium Publications in Proceedings

- I. **Isıtma ve Soğutma Yüklerindeki Değişimin Uzun Dönemli Tahmini: Karabük Örneği**
COŞKUN C., ERTÜRK M. A. E., BALCI K., OKTAY COŞKUN Z.
1st International Conference on Energy Systems Engineering, (ICESE'17) 2017, Karabük, Turkey, 2 - 04 November 2017, pp.60-65
- II. **SENSITIVITY ANALYSIS OF ELECTRICITY PRODUCTION BASED HOURLY AND DAILY CO2 EMISSION ESTIMATION FOR TURKEY**
Coşkun C., Balci K., Aktaş M., Oktay Coşkun Z., Toygar U.
ISS2017 2nd International Science Symposium "Science Festival", Tbilisi, Georgia, 5 - 08 September 2017, pp.4
- III. **INVESTIGATION OF POWER PLANT WASTE HEAT UTILIZATION IN BIOGAS BASED ELECTRICITY PRODUCTION PROCESS**
COŞKUN C., OKTAY COŞKUN Z., BALCI K., TOYGAR U., AKTAŞ M.
ISS2017 2nd International Science Symposium "Science Festival", Tbilisi, Georgia, 5 - 08 September 2017, pp.5
- IV. **Energy and Economic Analysis of a Hydroelectric Power Plant: A Case Study**
COŞKUN C., COŞKUN Z., KOÇYİĞİT N., SAVCI M., BAMYA S.
6th International Conference of Ecosystems-ICE 2016, Tiran, Albania, 3 - 06 June 2016, pp.49
- V. **Energy and Economic Analysis of a Hydroelectric Power Plant: A Case Study**
COŞKUN C., COŞKUN Z., KOÇYİĞİT N., SAVCI M., BAMYA S.
6th International Conference of Ecosystems-ICE 2016, Tiran, Albania, 3 - 06 June 2016, pp.49
- VI. **YAPAY SİNİR AĞLARI İLE PV MODÜL YÜZEY SICAKLIĞININ TAHMİNİ**
COŞKUN C., KOÇYİĞİT N., COŞKUN Z.
3. ANADOLU ENERJİ SEMPOZYUMU, Muğla, Turkey, 1 - 03 October 2015, pp.523-530

Supported Projects

COŞKUN C., Project Supported by Other Official Institutions, Bina Isıtma ve Soğutma Enerji Gereksinimlerini Sınırlandıran U Değerlerinin Belirlenmesi, 2014 - 2015

Scientific Refereeing

International Journal of Hydrogen Energy, SCI Journal, May 2016

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