

## Kişisel Bilgiler

**Eposta:** fatihbayrak@siirt.edu.tr

**Birim:** TERMODİNAMİK

**Dahili :** -

## Makaleler (YOKSIS)

- 1 A bibliometric and performance evaluation of nano-PCM-integrated photovoltaic panels: Energy, exergy, environmental and sustainability perspectives**

Beştaş Şükrü, AKTAŞ İLTER ŞAHİN, BAYRAK FATİH

Renewable Energy, <https://doi.org/10.1016/j.renene.2024.120383>

- 2 A review on exergy analysis of solar electricity production**

BAYRAK FATİH, Abu-Hamdeh Nidal, Alnefaie Khaled A, ÖZTOP HAKAN FEHMI

Renewable and Sustainable Energy Reviews, <http://linkinghub.elsevier.com/retrieve/pii/S1364032117303283>

- 3 Effects of different fin parameters on temperature and efficiency for cooling of photovoltaic panels under natural convection**

BAYRAK FATİH, ÖZTOP HAKAN FEHMI, SELİMEFENDİĞİL FATİH

Solar Energy, <https://linkinghub.elsevier.com/retrieve/pii/S0038092X19306115>

- 4 Effects of partial shading on energy and exergy efficiencies for photovoltaic panels**

BAYRAK FATİH, Ertürk Gamze, ÖZTOP HAKAN FEHMI

Journal of Cleaner Production, <http://linkinghub.elsevier.com/retrieve/pii/S0959652617312799>

- 5 Effects of static and dynamic shading on thermodynamic and electrical performance for photovoltaic panels**

BAYRAK FATİH, ÖZTOP HAKAN FEHMI

APPLIED THERMAL ENGINEERING, <https://linkinghub.elsevier.com/retrieve/pii/S1359431119346095>

- 6 Energetic and exergetic aspects of solar air heating (solar collector) systems**

ÖZTOP HAKAN FEHMI, BAYRAK FATİH, HEPBAŞLI ARİF

Renewable and Sustainable Energy Reviews, <http://linkinghub.elsevier.com/retrieve/pii/S1364032112007228>

- 7 Energy and exergy analyses of porous baffles inserted solar air heaters for building applications**

BAYRAK FATİH, ÖZTOP HAKAN FEHMI, HEPBAŞLI ARİF

- 7** Energy and Buildings,<http://linkinghub.elsevier.com/retrieve/pii/S0378778812005890>
- 8** **Energy, Exergy and Sustainability Indicators of Photovoltaic Panel Cooling under Forced Convection**  
BAYRAK FATİH  
Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi,<http://dx.doi.org/10.18185/erzifbed.971321>
- 9** **Enerji Depolamalı Bir Boruda Nanoakışkan Kullanımının Isıl Performansı Etkisinin Sayısal Olarak İncelenmesi**  
BAKIR EDA, IŞIK ERDEM, UÇAR AYNUR, BAYRAK FATİH  
International Journal of Pure and Applied Sciences,<http://dx.doi.org/10.29132/ijpas.987436>
- 10** **Experimental analysis and dynamic modeling of a photovoltaic module with porous fins**  
SELİMEFENDİĞİL FATİH,BAYRAK FATİH,ÖZTOP HAKAN FEHMİ  
RENEWABLE ENERGY,
- 11** **Experimental Analysis of Thermal Performance of Solar Air Collectors with Aluminum Foam Obstacles**  
BAYRAK FATİH,ÖZTOP HAKAN FEHMİ  
Journal of Thermal Science and Technology,
- 12** **Experimental study for the application of different cooling techniques in photovoltaic (PV) panels**  
BAYRAK FATİH,ÖZTOP HAKAN FEHMİ,SELİMEFENDİĞİL FATİH  
ENERGY CONVERSION AND MANAGEMENT,<https://linkinghub.elsevier.com/retrieve/pii/S0196890420303277>
- 13** **Flipped Öğrenme Uygulamasının Öğretmen Adaylarının Teknolojiyi Kullanma Becerilerine ve Akademik Başarılarına Etkisi**  
KOÇ AKRAN SEVDA,BAYRAK FATİH  
Anadolu Eğitim Liderliği ve Öğretim Dergisi,
- 14** **FLIPPED ÖĞRENME UYGULAMASININ ÖĞRETMENADYLARININ PROBLEM ÇÖZME BECERİLERİNE ETKİSİ**  
KOÇ AKRAN SEVDA,BAYRAK FATİH  
Uluslararası Eğitim Bilim ve Teknoloji Dergisi,
- 15** **Natural convection and entropy generation in a nanofluid filled cavity with thick bottom wall: Effects of non-isothermal heating**  
Bouchoucha Abd el,Bessaïh Rachid,ÖZTOP HAKAN FEHMİ,Al-Salem Khaled,BAYRAK FATİH  
International Journal of Mechanical Sciences,<http://linkinghub.elsevier.com/retrieve/pii/S0020740316306488>
- 16** **Poroz Kanatçık İlaveli Hava Isıtmalı PV/T Kolektörünün Sürdürülebilirlik İndeksi ve Termodinamik Analizi**  
BAYRAK FATİH  
International Journal of Pure and Applied Sciences,<http://dx.doi.org/10.29132/ijpas.931021>
- 17** **Şebekeden Bağımsız Ev Tipi Uygulamaları için PCM Destekli PV/T Kollektörlerinin Deneysel Analizi**  
BAKIR EDA, BAYRAK FATİH, ÖZTOP HAKAN FEHMİ  
European Journal of Science and Technology,<http://dx.doi.org/10.31590/ejosat.841922>

## **Bildiriler (YOKSIS)**

- 1 AN EXPERIMENTAL ANALYSIS OF HYBRID PHOTOVOLTAIC-THERMOELECTRIC (PV/TE) SYSTEM**  
BAYRAK FATİH, SELİMEFENDİGİL FATİH, ÖZTOP HAKAN FEHMİ  
INTERNATIONAL CONFERENCE ON ENERGY AND THERMAL ENGINEERING:ISTANBUL 2017 ,
- 2 APPLICATION OF MACHINE LEARNING ALGORITHMS FOR PREDICTING THE OUTPUT POWER OF PHOTOVOLTAIC PANEL**  
BAYRAK FATİH  
7TH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ,  
<https://icame2024conference.com/>
- 3 Bibliometric analysis of postgraduate thesis in the field of photovoltaics between 2020-2023**  
BAYRAK FATİH, GÖNÜL ALİŞAN  
II. International Conference on Scientific and Innovation Research , <https://www.iksadkongre.com/sivas>
- 4 COMPARISON OF I-V CURVES OF PHOTOVOLTAIC PANELS BY USING PASSIVE COOLING METHOD**  
BAYRAK FATİH, ÖZTOP HAKAN FEHMİ, SELİMEFENDİGİL FATİH  
INVENT 2019, İstanbul, Turkey ,
- 5 Determination of the effects of twisted tape applications in tubes on heat transfer characteristics with different response surface methodologies**  
GÖNÜL ALİŞAN, BAYRAK FATİH, DALKILIÇ AHMET SELİM  
IV. International Siirt Conference on Scientific Research , <https://www.kongreuzmani.com/site.html?>  
<https://www.umteb.com>
- 6 Effect in output power and efficiency of dust accumulation on photovoltaic panels**  
BAYRAK FATİH, CAMCI MUHAMMET, ÖZTOP HAKAN FEHMİ  
International Engineering and Science Symposium, Turkey, Siirt , <http://www.kongre2019.com/site.php?>  
<http://www.iesppublishing.com>
- 7 Effects on panel efficiency and cooling methods of photovoltaic panels by passive methods**  
BAYRAK FATİH, CAMCI MUHAMMET, ÖZTOP HAKAN FEHMİ  
International Engineering and Science Symposium, Turkey, Siirt , <http://www.kongre2019.com/site.php?>  
<http://www.iesppublishing.com>
- 8 Increasing the efficiencies of PV module via aluminium foam fins**  
BAYRAK FATİH, ÖZTOP HAKAN FEHMİ, SELİMEFENDİGİL FATİH  
Solar Conference Exhibition - Solar TR ,
- 9 Numerical Computational analysis of heat transfer in a photovoltaic panel with Phase Change Materials**  
SELİMEFENDİGİL FATİH, ÖZTOP HAKAN FEHMİ, BAYRAK FATİH  
14th INTERNATIONAL CONFERENCE ON ENERGY STORAGE. 25-28 APRIL 2018 ,
- 10 The effect of different tilt angles on a PV/T collector**  
Bakır Eda, BAYRAK FATİH, ÖZTOP HAKAN FEHMİ  
Sempozyum ,

**11 The effect on output power of photovoltaic panels with and without PCM at horizontal and vertical shading**

BAYRAK FATİH,ÖZTOP HAKAN FEHMİ,Ertürk Gamze

4th International Mediterranean Science and Engineering Congress, ,