



# AHMET ÇAĞLAR

## ASSOC. PROF.

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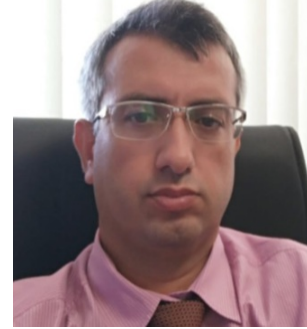
Address : Akdeniz Üniversitesi Mühendislik Fakültesi Makine  
Mühendisliği Bölümü Kampüs/Antalya

**International Researcher IDs**

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Publons / Web Of Science ResearcherID: A-6646-2016

Yoksis Researcher ID: 119221



### Education

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Doctorate 2007 - 2012	Middle East Technical University, Faculty Of Engineering, Makine Mühendisliği, Turkey
Postgraduate 2003 - 2006	Middle East Technical University, Faculty Of Engineering, Makine Mühendisliği, Turkey
Undergraduate 1997 - 2001	Kocaeli University, Mühendislik Fakültesi, Makine Mühendisliği, Turkey

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### Foreign Languages

English, A2 Elementary

### Dissertations

Doctorate, Design and experimental testing of an adsorbent bed for a thermal wave adsorption cooling cycle, Middle East Technical University, Mühendislik Fakültesi, Makine Mühendisliği, 2012

Postgraduate, Theoretical and experimental performance analysis of a solar assisted heat pump, Middle East Technical University, Mühendislik Fakültesi, Makine Mühendisliği, 2006

### Academic Titles / Tasks

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Associate Professor  
2022 - Continues

Akdeniz University, Faculty of Engineering, Department of Mechanical Engineering

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Assistant Professor

2018 - 2022

Akdeniz University, Faculty of Engineering, Department of Mechanical Engineering

Assistant Professor

2014 - 2018

Akdeniz University, Faculty of Engineering, Department of Mechanical Engineering

Research Assistant

2013 - 2014

Akdeniz University, Faculty of Engineering, Department of Mechanical Engineering

Research Assistant

2002 - 2012

Middle East Technical University, Faculty Of Engineering, Makine Mühendisliği

## Supported Projects

1. ÇAĞLAR A., Project Supported by Higher Education Institutions, Dikey Eksenli Bir Rüzgar Türbini Tasarım ve İmalatı, 2019 - 2020
2. Çağlar A., Atmaca İ., Doğan A., Project Supported by Higher Education Institutions, Güneş Enerjisi Kaynaklı Absorpsiyonlu Soğutma Çevriminin Deneysel Olarak İncelenmesi, 2014 - 2020
3. Çağlar A., Pınar B., TUBITAK Project, Rüzgar Türbini CFD Analizi ve Güneş Panelinin Rüzgar Türbinine Entegrasyonu İle Hibrit Bir Sistem Üretimi, 2018 - 2019
4. Çağlar A., Yurdakul C., TUBITAK Project, Savonius Tipi Rüzgar Türbin Grubu Kullanarak Açık Bir Kanalda Rüzgar enerjisi Üretimi, 2018 - 2018
5. ÇAĞLAR A., Project Supported by Higher Education Institutions, Bilim İnsanı Yetiştirme ve Geliştirme Projesi, 2016 - 2018
6. Çağlar A., Başpınar M. İ., TUBITAK Project, Yansıtma Oranı Yüksek Bir Yansıtıcılığa Sahip Parabolik Güneş Kollektörü Tasarımı ve İmalatı, 2015 - 2015
7. Çağlar A., Bahadır M. B., TUBITAK Project, Güneş Enerjisiyle Su Damıtma Sistemi Tasarımı ve İmalatı, 2015 - 2015
8. Yamalı C., TUBITAK Project, Isıl Dalga Adsorpsiyonlu Soğutma Sisteminde Adsorban Yatak Tasarımı ve İmalatı, 2010 - 2011

## Jury Memberships

Post Graduate, Yüksek Lisans Tez Savunma Sınavı, Akdeniz Üniversitesi, August, 2020

Doctoral Examination, Doktora Yeterlik Sınavı, Pamukkale Üniversitesi, May, 2020

Doctoral Examination, Doktora Yeterlik Sınavı, Pamukkale Üniversitesi, May, 2020

Post Graduate, Yüksek Lisans Tez Savunma Sınavı, Akdeniz Üniversitesi, June, 2019

Post Graduate, Yüksek Lisans Tez Savunma Sınavı, Akdeniz Üniversitesi, June, 2019

Doctoral Examination, Doktora Yeterlik Sınavı, Akdeniz Üniversitesi, July, 2018

Post Graduate, Tez Savunma Jürisi, Süleyman Demirel Üniversitesi, May, 2016

Post Graduate, Tez Savunma Jürisi, Akdeniz Üniversitesi, June, 2015

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

1. **Effects of using BN/water nanofluid on the thermal performance, energy saving, and power consumption of a panel radiator heating system**

- Çağlar A.  
CASE STUDIES IN THERMAL ENGINEERING, vol.69, no.69, pp.106024, 2025 (SCI-Expanded)
2. **Performance testing and optimization of a split-type air conditioner with evaporatively-cooled condenser**  
ATMACA İ., Şenol A., ÇAĞLAR A.  
Engineering Science and Technology, an International Journal, vol.32, 2022 (SCI-Expanded)
  3. **Thermal Performance Testing of a Solar Water Heating System Using Core-Shell Structured Nanofluids**  
ATMACA İ., Özdemir O. S., ÇAĞLAR A., Koçak Soylu S., Asiltürk M.  
Nanoscale and Microscale Thermophysical Engineering, vol.26, no.4, pp.218-241, 2022 (SCI-Expanded)
  4. **Energy-efficient heat exchanger design for indoor air quality in intercity buses**  
ATMACA İ., Demirezen A., ÇAĞLAR A.  
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, 2021 (SCI-Expanded)
  5. **Design and experimental investigation of a novel thermoelectric water dispenser unit**  
ÇAĞLAR A.  
APPLIED THERMAL ENGINEERING, vol.149, pp.822-828, 2019 (SCI-Expanded)
  6. **EXPERIMENTAL ANALYSIS AND TRANSIENT SIMULATION OF HEAT TRANSFER INSIDE THE FINNED TUBE ADSORBENT BED OF A THERMAL WAVE CYCLE**  
ÇAĞLAR A., Yamali C.  
JOURNAL OF POROUS MEDIA, vol.22, no.4, pp.467-479, 2019 (SCI-Expanded)
  7. **Optimization of operational conditions for a thermoelectric refrigerator and its performance analysis at optimum conditions**  
ÇAĞLAR A.  
INTERNATIONAL JOURNAL OF REFRIGERATION-REVUE INTERNATIONALE DU FROID, vol.96, pp.70-77, 2018 (SCI-Expanded)
  8. **The effect of fin design parameters on the heat transfer enhancement in the adsorbent bed of a thermal wave cycle**  
ÇAĞLAR A.  
APPLIED THERMAL ENGINEERING, vol.104, pp.386-393, 2016 (SCI-Expanded)
  9. **Two dimensional transient coupled analysis of a finned tube adsorbent bed for a thermal wave cycle**  
ÇAĞLAR A., Yamali C., BAKER D. K.  
INTERNATIONAL JOURNAL OF THERMAL SCIENCES, vol.73, pp.58-68, 2013 (SCI-Expanded)
  10. **MEASUREMENT OF SOLAR RADIATION IN ANKARA, TURKEY**  
Caglar A., Yamali C., BAKER D. K., Kaftanoglu B.  
ISI BILIMI VE TEKNIGI DERGISI-JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY, vol.33, no.2, pp.135-142, 2013 (SCI-Expanded)
  11. **Performance analysis of a solar-assisted heat pump with an evacuated tubular collector for domestic heating**  
Caglar A., Yamali C.  
ENERGY AND BUILDINGS, vol.54, pp.22-28, 2012 (SCI-Expanded)
  12. **Adsorption properties of a natural zeolite-water pair for use in adsorption cooling cycles**  
Solmus I., Yamali C., Kaftanoglu B., BAKER D. K., ÇAĞLAR A.  
APPLIED ENERGY, vol.87, no.6, pp.2062-2067, 2010 (SCI-Expanded)

## Articles Published in Other Journals

1. **Thermodynamic Analysis of Solar Organic Rankine Cycle Using Evacuated Tubular Collector**  
Çağlar A., Bahadır M. B.  
JOURNAL of POLYTECHNIC, vol.0, no.0, 2022 (ESCI)
2. **Tasarım parametrelerinin parabolik oluk tipi bir güneş kollektörünün performansına etkisi**

- ÇAĞLAR A., Talay İ. B.  
Uludağ University Journal of The Faculty of Engineering, vol.24, no.2, pp.15-24, 2019 (Peer-Reviewed Journal)
3. **Investigation of Wind Characteristics for Antalya Region by Using Weibull Distribution**  
ÇAĞLAR A.  
Cumhuriyet Science Journal, vol.38, no.4, pp.156-164, 2017 (Peer-Reviewed Journal)
4. **Farklı Derece-Gün Bölgelerindeki Şehirler İçin Optimum Eğim Açısının Belirlenmesi**  
ÇAĞLAR A.  
Sileyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.22, no.2, pp.849-854, 2017 (Peer-Reviewed Journal)
5. **ANALYSIS OF HEAT AND MASS TRANSFER IN THE ADSORBENT BED OF A THERMAL WAVE ADSORPTION COOLING CYCLE**  
ÇAĞLAR A., YAMALI C.  
Computational Thermal Sciences, vol.5, no.2, pp.97-106, 2013 (Scopus)

## Books

1. **Yapılara Entegre Güneş Pilleri ve Türkiye'deki son durumu**  
Çağlar A., Coşgun A.  
in: Makine Teknolojileri ve Taşıt Enerji Sektörleri için Malzeme ve Tasarım Medotları I, Doç.Dr. Murat MAKARNACI, Editor, Bidge Yayınları, Ankara, pp.6-18, 2023
2. **AMELİYATHANELERDE İÇ HAVA KALİTESİNİ ETKİLEYEN FAKTÖRLERİN ARAŞTIRILMASI (AKDENİZ ÜNİVERSİTESİ ÖRNEĞİ)**  
Coşgun A., Çağlar A.  
in: Mühendislik Alanında Akademik Araştırma ve Derlemeler I, Prof.Dr.Birol KILIÇ, Editor, Platanus Publishing, Ankara, pp.5-26, 2023
3. **Thermoelectric Coolers as an Alternative And Practical Cooling Method**  
ÇAĞLAR A., ARICIOĞLU A. K.  
in: Pragmatic Approaches to Science and Engineering Studies, Kılıç Bayram, Editor, SRA Academic Publishing, pp.43-57, 2022
4. **Temiz ve Portatif Güç Üretim Sistemleri: Termoelektrik Jeneratörler**  
ÇAĞLAR A., GÖRGÜLÜ S.  
in: Doğa ve Mühendislik Bilimlerinde Güncel Tartışmalar 6, Coşgun Hikmet Y., Üzmuş Hasan, Parlar İshak, Editor, Bilgin Kültür Sanat Yayınları, pp.405-411, 2022
5. **Rüzgâr Hızı Potansiyel Hesabında Kullanılan Dağılım Yöntemleri**  
GÖRGÜLÜ S., ÇAĞLAR A.  
in: Mühendislik Bilimleri Alanında Yeni Trendler, Kılıç Birol, Başyigit Kılıç Gülден, Editor, Duvar Yayınları, pp.659-670, 2022
6. **Organic Rankine Cycle (ORC) Applications and Selection of Working Fluid**  
Bahadır M. B., Çağlar A.  
in: NOVEL APPROACHES TO ENGINEERING SCIENCES, GÜNGÖR,Afşin,AKYÜZ,Ali Özhan, Editor, Akademisyen Yayınevi Kitabevi, Ankara, pp.91-102, 2021
7. **Işınım İle Enerji Transferi**  
Koçak Soylu S., Çağlar A., Doğan A., Atmaca İ.  
in: Kapalı Hacimlerde ve İklimlendirme Sistemlerinde Ultraviyole Işınım ile Dezenfeksiyon Teori ve Pratik, Macit Toksoy Sait C. Sofuoğlu Z. Haktan Karadeniz Orhan Ekren, Editor, Doğa Yayıncılık Ltd. Şti., İstanbul, pp.29-46, 2021

## Papers Published in Refereed Scientific Meetings

1. **ENDÜSTRİYEL ÜÇ BOYUTLU YAZICIDA KULLANILACAK ÖZGÜN SU SOĞUTMALI EXTRUDER**

## SİSTEMİNİN TERMAL KOŞULLARININ SAYISAL OLARAK İNCELENMESİ

Yurdakul C., ÇAĞLAR A., Uğur M., Nurel A., Sevinç S.

INTERNATIONAL PARIS CONGRESS ON APPLIED SCIENCES, Paris, France, 01 April 2023, pp.100-111

### 2. EFFECT OF DIFFERENT PARAMETERS ON THE DOUBLE-STAGE PARALLEL FLOW ABSORPTION CHILLER SYSTEM

Şahin A., Özdemir M. R., ÇAĞLAR A.

6th INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING, 20 October 2021

### 3. SIMULATION AND ANALYSIS OF A SOLAR ORGANIC RANKINE CYCLE

BAHADIR M. B., ÇAĞLAR A., Özdemir M. R.

6th INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING, 20 October 2021

### 4. Parabolik Çanak Tipi Güneş Kolektöründe Odaklama Hassasiyetinin Isıl Performansa Etkisi

ÇAĞLAR A.

Selçuk 1. Uluslararası Uygulamalı Bilimler Kongresi, Konya, Turkey, 7 - 08 December 2019, pp.124-132

### 5. Dikey Eksenli Bir Rüzgâr Türbin Grubu Tasarımı ve Deneysel Olarak İncelenmesi

ÇAĞLAR A.

Selçuk 1. Uluslararası Uygulamalı Bilimler Kongresi, Konya, Turkey, 7 - 08 December 2019, pp.133-139

### 6. Güneş Enerjili Su Isıtma Sistemlerinin Farklı İklim Bölgelerinde Sergilediği Performansın Karşılaştırmalı Bir Şekilde İncelenmesi

ÇAĞLAR A., ATMACA İ.

22nd Congress on Thermal Science and Technology, Kocaeli, Turkey, 11 - 14 September 2019, pp.761-765

### 7. Fresnel Aynası ve Güneş Takip Sisteminin Güneş Paneli Güç Üretimine Etkisi

ÇAĞLAR A., Sarıkaya A., Eyyupoğlu Ö. F.

8. Güneş Enerjisi Sistemleri Sempozyumu ve Sergisi, Mersin, Turkey, 8 - 09 November 2019, pp.1-8

### 8. Otobüsler İçin Düz Plakalı Isı Geri Kazanım Eşanjörü Tasarımı

ATMACA İ., Demirezen A., ÇAĞLAR A.

22nd Congress on Thermal Science and Technology, Kocaeli, Turkey, 11 - 14 September 2019, pp.1081-1089

### 9. Fotovoltaik Sistem Destekli Kontrollü Atmosferli Soğuk Hava Deposu Tasarımı

ATMACA İ., ÇAĞLAR A., Kocaer E.

22nd Congress on Thermal Science and Technology, Kocaeli, Turkey, 11 - 14 September 2019, pp.631-638

### 10. Uzak ve Havacılık Uygulamaları için Dalgalı-Kanatçıklı Isı Eşanjörü Tasarımı ve Analizi

ÇAĞLAR A., Yılmazcan C., ATMACA İ.

22nd Congress on Thermal Science and Technology, Kocaeli, Turkey, 11 - 14 September 2019, pp.200-205

### 11. Estimation of Wind Characteristics for İstanbul City Using Rayleigh Distribution Method

ÇAĞLAR A., GÖRGÜLÜ S.

5th International Congress on Fundamental and Applied Sciences 2018, Skopje-Üsküp, Macedonia, 18 - 22 June 2018, pp.139

### 12. Design-Based Performance Analysis of a Parabolic Trough Solar Collector

ÇAĞLAR A., TALAY İ. B.

3rd INTERNATIONAL CONFERENCE ON ADVANCES IN NATURAL APPLIED SCIENCES (ICANAS 2018), Antalya, Turkey, 9 - 12 May 2018, pp.275

### 13. Wind Speed Estimation with Artificial Neural Network

ÇAĞLAR A., EKER İ. M., GÖRGÜLÜ S.

3rd International Conference on Advances in Natural and Applied Sciences (ICANAS 2018), Antalya, Turkey, 9 - 12 May 2018, pp.290

### 14. Investigation of Optimum Tilt Angle of Mersin City for Solar Energy Systems

ÇAĞLAR A., BAHADIR M. B.

3rd INTERNATIONAL CONFERENCE ON ADVANCES IN NATURAL APPLIED SCIENCES, Antalya, Turkey, 9 - 12 May 2018, pp.276

### 15. Application of Solar-Wind Hybrid Power System in Antalya Weather Conditions: A Case Study

ÇAĞLAR A., Özen E.

International Congress of the New Approaches and Technologies for Sustainable Development, Isparta, Turkey, 21

- 24 September 2017, pp.53-54

16. **Hidrolik Kol Tasarımı ve İmalatı**

ÇAĞLAR A., Aydın A., Özen E.

International Congress of the New Approaches and Technologies for Sustainable Development, 21 - 24 September 2017, pp.16-28

17. **Neme Duyarlı Güneş Destekli Otomatik Sulama Sistemi**

ÇAĞLAR A., Özçelikel H., Başelçin E., Özen E.

International Congress of the New Approaches and Technologies for Sustainable Development, Isparta, Turkey, 21 - 24 September 2017, pp.29-36

18. **Investigation of Wind Characteristics for Antalya Region Using Weibull Distribution**

ÇAĞLAR A., Özen E.

International Congress of the New Approaches and Technologies for Sustainable Development, Isparta, Turkey, 21 - 24 September 2017, pp.55-56

19. **Bir güneş ışınımı hesaplama programının geliştirilmesi ve elde edilen verilerin ölçülen verilerle kıyaslanması**

ÇAĞLAR A., BAHADIR M. B.

1st International Mediterranean Science and Engineering Congress, Adana, Turkey, 26 - 28 October 2016, pp.3210-3215

20. **Key Factors for the Operation of a Solar Air Collector A Parametric Study**

ÇAĞLAR A., BAHADIR M. B.

8th International Exergy, Energy and Environment Symposium, Antalya, Turkey, 1 - 04 May 2016, pp.302-306

21. **Design of a parabolic trough solar collector using a concentrator with high reflectivity**

ÇAĞLAR A.

3th International Conference on Heat Transfer and Fluid Flow, Budapest, Hungary, 22 - 23 August 2016

22. **A Novel Desalination System with Evacuated Tube Solar Collector**

BAHADIR M. B., ÇAĞLAR A.

3th International Conference on Heat Transfer and Fluid Flow, Budapest, Hungary, 22 - 23 August 2016

23. **Egzersiz Bisikletinden Elektrik Üretimi**

ÇAĞLAR A., Özen E.

International Science and Technology Conference, St. Petersburg, Russia, 2 - 04 September 2015, pp.170-172

24. **Klima Dış Ünitesi Giriş Havaasının Evaporatif Soğutulmasında Kullanılması Planlanan Sistem Performansının Deneysel Olarak İncelenmesi**

ATMACA İ., KOÇAK SOYLU S., ÇAĞLAR A.

2. Ulusal İklimlendirme Soğutma Eğitimi Sempozyumu ve Sergisi, Balıkesir, Turkey, 23 - 25 October 2014, pp.483-492

25. **Isıl Dalga Adsorpsiyonlu Soğutma Sisteminde Adsorban Yataktaki Isı Transferinin Kanatçık Kullanılarak İyileştirilmesi**

ÇAĞLAR A., KOÇAK SOYLU S., ATMACA İ.

2. Ulusal İklimlendirme Soğutma Eğitimi Sempozyumu ve Sergisi, Balıkesir, Turkey, 23 - 25 October 2014, pp.554-560

26. **Taşıtlarda Kullanılan Alternatif Yakıt Türlerinin Karşılaştırmalı Olarak Genel Değerlendirmesi**

ÇAĞLAR A., ATMACA İ., DOĞAN A., DÜZGÜN M.

7.Otomotiv Teknolojileri Kongresi, Turkey, 26 - 27 May 2014

27. **Heat Transfer Analysis Of The Adsorbent Bed Of A Thermal Wave Cycle Using Silica Gel**

ÇAĞLAR A., YAMALI C.

VII. Mediterranean Congress of Climatization, İstanbul, Turkey, 3 - 04 October 2013, pp.378-386

28. **Measurement Of The Thermal Conductivity Of Porous Materials Used In Adsorption Cooling Cycles**

ÇAĞLAR A.

2nd International Scientific Conference on Engineering "Manufacturing and Advanced Technologies, Antalya, Turkey, 22 - 24 November 2012, pp.32-35

29. **ANALYSIS OF HEAT AND MASS TRANSFER IN THE ADSORBENT BED OF A THERMAL WAVE**

## ADSORPTION COOLING CYCLE

ÇAĞLAR A., YAMALI C.

9th International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics, Malta, 16 - 18 July 2012, pp.1298-1303

### 30. Testing the Thermal Performances of Solar Collectors

ÇAĞLAR A., YAMALI C., BAKER D. K., KAFTANOĞLU B.

7th International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics, Antalya, Turkey, 19 - 21 July 2010, pp.1969-1972

### 31. Vakum borulu toplayıcı kullanılarak güneş enerjisi destekli bir ısı pompası performansının analizi

ÇAĞLAR A., YAMALI C.

IV. Ege Enerji Sempozyumu, İzmir, Turkey, 21 - 23 May 2008, pp.141-148

## Academic and Administrative Experience

2021 - Continues	<b>Deputy Head of Department</b>	Akdeniz University, Faculty Of Engineering, Department of Mechanical Engineering
2015 - 2022	<b>Farabi Program Institutional Coordinator</b>	Akdeniz University, Faculty Of Engineering, Department of Mechanical Engineering
2017 - 2020	<b>Head of Department</b>	Akdeniz University, Faculty of Engineering, Department of Mechanical Engineering
2015 - 2018	<b>Deputy Head of Department</b>	Akdeniz University, Faculty of Engineering, Department of Mechanical Engineering

## Peer Reviews in Scientific Publications

ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, Journal Indexed in SCI-E, April 2022

ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, Journal Indexed in SCI-E, April 2022

ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, Journal Indexed in SCI-E, April 2022

ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, Journal Indexed in SCI-E, February 2022

ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, Journal Indexed in SCI-E, January 2022

ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, Journal Indexed in SCI-E, January 2022

ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, Journal Indexed in SCI-E, November 2021

JOURNAL OF CLEANER PRODUCTION, Journal Indexed in SCI-E, November 2021

Journal of Polytechnic, Journal Indexed in ESCI, July 2021

RENEWABLE ENERGY, Journal Indexed in SCI-E, May 2021

RENEWABLE ENERGY, Journal Indexed in SCI-E, March 2021

Kocaeli Üniversitesi Fen Bilimleri Dergisi, Other Journals, March 2021

ENERGY, Journal Indexed in SCI-E, February 2021

RENEWABLE ENERGY, Journal Indexed in SCI-E, January 2021  
El Cezeri Fen Ve Mühendislik Dergisi, Other Journals, January 2021  
AVRUPA BİLİM VE TEKNOLOJİ DERGİSİ, National Scientific Refreed Journal, August 2020  
International Journal of Energy Applications and Technologies, Other Journals, July 2020  
Isi Bilimi Ve Teknigi Dergisi-Journal Of Thermal Science And Technology, Journal Indexed in SCI-E, July 2020  
ISI BILIMI VE TEKNIGI DERGISI-JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY, Journal Indexed in SCI-E, June 2020  
International Journal Of Refrigeration-Revue Internationale Du Froid, Journal Indexed in SCI-E, December 2019  
ULUDAĞ ÜNİVERSİTESİ MÜHENDİSLİK FAKÜLTESİ DERGİSİ, National Scientific Refreed Journal, November 2019  
International Journal Of Refrigeration-Revue Internationale Du Froid, Journal Indexed in SCI-E, October 2019  
MÜHENDİS VE MAKİNA, National Scientific Refreed Journal, May 2019  
Applied Energy, Journal Indexed in SCI-E, February 2019  
ISI BILIMI VE TEKNIGI DERGISI-JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY, Journal Indexed in SCI-E, September 2018  
Isi Bilimi Ve Teknigi Dergisi-Journal Of Thermal Science And Technology, Journal Indexed in SCI-E, February 2018  
Isi Bilimi Ve Teknigi Dergisi-Journal Of Thermal Science And Technology, Journal Indexed in SCI-E, December 2017  
SUSTAINABLE CITIES AND SOCIETY, Journal Indexed in SCI-E, May 2017  
SUSTAINABLE CITIES AND SOCIETY, Journal Indexed in SCI-E, April 2017  
1. Uluslararası Akdeniz Bilim ve Mühendislik Kongresi Bildiriler Kitabı, Scientific / Professional Book Published by Other Publishers, October 2016  
ENERGY AND BUILDINGS, Journal Indexed in SCI-E, April 2016  
International Journal of Thermodynamics, Other Indexed Journal, January 2016  
INTERNATIONAL JOURNAL OF EXERGY, Journal Indexed in SCI-E, November 2014  
ENERGY AND BUILDINGS, Journal Indexed in SCI-E, December 2013  
ENERGY AND BUILDINGS, Journal Indexed in SCI-E, January 2013  
ENERGY AND BUILDINGS, Journal Indexed in SCI-E, September 2012  
HEFAT2012 Conference, Other journals, April 2012  
HEFAT2012 Conference, Other journals, April 2012  
International Journal of Thermodynamics, Other Indexed Journal, November 2011  
International Journal of Thermodynamics, Other Indexed Journal, November 2011  
International Journal of Thermodynamics, Other Indexed Journal, April 2010

## Scientific Project Refereeing

Project Supported by Higher Education Institutions, November 2020  
Project Supported by Higher Education Institutions, August 2020  
TUBITAK Project, May 2020  
Project Supported by Higher Education Institutions, June 2018  
Project Supported by Higher Education Institutions, December 2015

## Metrics

Publication: 56  
Citation (Scopus): 307  
H-Index (WoS): 7  
H-Index (Scopus): 7

## Congress and Symposium Activities



6th International Conference on Advances in Mechanical Engineering , Attendee, İstanbul, Turkey, 2021  
Selçuk 1. Uluslararası Uygulamalı Bilimler Kongresi, Attendee, Konya, Turkey, 2019  
8. Güneş Enerjisi Sistemleri Sempozyumu ve Sergisi, Attendee, Mersin, Turkey, 2019  
22nd Congress on Thermal Science and Technology, Attendee, Kocaeli, Turkey, 2019  
3rd International Conference on Advances in Natural and Applied Sciences, Attendee, Antalya, Turkey, 2018  
International Congress of the New Approaches and Technologies for Sustainable Development, Attendee, Isparta, Turkey, 2017  
1st International Mediterranean Science and Engineering Congress, Attendee, Adana, Turkey, 2016  
3th International Conference on Heat Transfer and Fluid Flow, Attendee, Budapest, Hungary, 2016  
8th International Exergy, Energy and Environment Symposium, Attendee, Antalya, Turkey, 2016  
International Science and Technology Conference, Attendee, Sankt-Peterburg, Russia, 2015  
2. Ulusal İklimlendirme Soğutma Eğitimi Sempozyumu ve Sergisi, Attendee, Balıkesir, Turkey, 2014  
OTEKON2014 7.Otomotiv Teknolojileri Kongresi, Attendee, Bursa, Turkey, 2014  
Ulusal Nanoteknoloji ve Çevre Çalıştayı, Attendee, Antalya, Turkey, 2013  
CLIMAMED'13 VII. Mediterranean Congress of Climatization, Attendee, İstanbul, Turkey, 2013  
2nd International Scientific Conference on Engineering "Manufacturing and Advanced Technologies, Attendee, Antalya, Turkey, 2012  
9th International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics, Attendee, Malta, 2012  
HEFAT2010 7th International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics, Attendee, Turkey, 2010  
IV. Ege Enerji Sempozyumu, Attendee, İzmir, Turkey, 2008

## Research Areas

Mechanical Engineering, Energy, Conventional Energy Systems and Their Technology, Renewable Energy Systems, Alternative Energy Resources, Solar energy, Thermodynamics, Heat and Mass Transfer, Heating, Refrigerating and Air Conditioning, Internal Combustion Engines, Thermal Systems, Thermal machines, Engineering and Technology