

Prof. FATMA ÇANKA KILIÇ

Personal Information

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Address: Prof. Dr. Fatma ÇANKA KILIÇ Kocaeli Üniversitesi, Teknoloji Fakültesi, Enerji Sistemleri Mühendisliği Bölümü, Yenilenebilir Enerji Ana Bilim Dalı Başkanı, Umuttepe, Kocaeli, TÜRKİYE

Education Information

Doctorate, Clemson University, Department of Mechanical Engineering (EIB), Department of Mechanical Engineering, United States Of America 1999 - 2000

Doctorate, Sakarya University, Institute Of Science, Makine Mühendisliği (Dr), Turkey 1996 - 2000

Postgraduate, Kocaeli University, Fen Bilimleri Enstitüsü, Turkey 1993 - 1996

Undergraduate, Yildiz Technical University, Faculty Of Mechanical Engineering, Makine Mühendisliği Bölümü, Turkey 1987 - 1991

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Investigation of Total Pressure Drop in Loop Heat Pipes, Clemson University, Department Of Mechanical Engineering (Eib), 2000

Doctorate, Borusu Devrelerinde Toplam Basınç Kayıplarının Araştırılması (Investigation of Total Pressure Drop in Loop Heat Pipes), Sakarya Üniversitesi, Fen Bilimleri Enstitüsü, Makine Mühendisliği (Dr), 2000

Postgraduate, İklimlendirme Sistemlerinde Hava Kanallarının Dizaynı ve Boyutlandırılması Prosedürleri, Kocaeli Üniversitesi, Fen Bilimleri Enstitüsü, 1996

Research Areas

Engineering and Technology

Academic Titles / Tasks

Professor, Kocaeli University, Teknoloji Fakültesi, Enerji Sistemleri Mühendisliği, 2018 - Continues

Associate Professor, Kocaeli University, Kocaeli Meslek Yüksekokulu, Elektrik Ve Enerji, 2012 - 2018

Assistant Professor, Kocaeli University, Kocaeli Meslek Yüksekokulu, Elektrik Ve Enerji, 2001 - 2012

Lecturer, Kocaeli University, Kocaeli Meslek Yüksekokulu, Elektrik Ve Enerji, 1994 - 2001

Academic and Administrative Experience

Courses

ISI TRANSFERİ, Undergraduate

İKLİMLENDİRME-SOĞUTMA LABORATUVARI I, İKLİMLENDİRME SOĞUTMA TEKNOLOJİSİ II, Associate Degree

AKIŞKANLAR MEKANİĞİ, Undergraduate

MESLEK RESMİ, İKLİMLENDİRME SOĞUTMA TEKNOLOJİSİ I, Associate Degree

İKLİMLENDİRME-SOĞUTMA LABORATUVARI I, İKLİMLENDİRME SOĞUTMA TEKNOLOJİSİ (İ.Ö.) II, Associate Degree

PROJE, İKLİMLENDİRME SOĞUTMA TEKNOLOJİSİ II, Associate Degree

SOĞUTMA SİSTEM TASARIMI, İKLİMLENDİRME SOĞUTMA TEKNOLOJİSİ II, Associate Degree

ISITMA SİSTEMLERİ, İKLİMLENDİRME SOĞUTMA TEKNOLOJİSİ (İ.Ö.) II, Associate Degree

SOĞUTMA SİSTEM TASARIMI, İKLİMLENDİRME SOĞUTMA TEKNOLOJİSİ (İ.Ö.) II, Associate Degree

MESLEK RESMİ, İKLİMLENDİRME SOĞUTMA TEKNOLOJİSİ (İ.Ö.) I, Associate Degree

ISITMA SİSTEMLERİ, İKLİMLENDİRME SOĞUTMA TEKNOLOJİSİ II, Associate Degree

ISI TRANSFERİ, Postgraduate

Advising Theses

Çanka Kılıç F., Aydın ili Didim ilçesindeki kırsal bölgede yer alan bir konutun elektrik ihtiyacının hibrit güneş-rüzgar enerji sistemi ile karşılanmasının analizi, Postgraduate, B.KAYIKCI(Student), 2020

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Investigation of Organic Rankine Cycle (ORC) technologies in Turkey from the technical and economic point of view**
EYİDOĞAN M., ÇANKA KILIÇ F., KAYA D., Coban V., Cagman S.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.58, pp.885-895, 2016 (Journal Indexed in SCI)
- II. **Geothermal Energy in Turkey**
Kilic F.
ENERGY & ENVIRONMENT, vol.27, pp.360-376, 2016 (Journal Indexed in SSCI)
- III. **Energy and exergy analysis of an organic Rankine cycle in a biomass-based forest products manufacturing plant**
Eyidogan M., ÇANKA KILIÇ F., KAYA D., ÖZKAYMAK M., Coban V., Cagman S.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.24, no.6, pp.5100-5112, 2016 (Journal Indexed in SCI)
- IV. **New markets for renewable industries: Developing countries - Turkey, its potential and policies**
KAYA D., Kilic F.
JOURNAL OF ENERGY IN SOUTHERN AFRICA, vol.26, no.1, pp.25-35, 2015 (Journal Indexed in SCI)
- V. **Selection of compressors for petrochemical industry in terms of reliability, energy consumption and maintenance costs examining different scenarios**
SAPMAZ S., Kilic F., EYİDOĞAN M., Taylan O., ÇOBAN V., ÇAĞMAN S., KILIÇASLAN İ., KAYA D.
ENERGY EXPLORATION & EXPLOITATION, vol.33, no.1, pp.43-62, 2015 (Journal Indexed in SCI)
- VI. **Energy Saving and Emission Reduction Opportunities in Mixed-Fueled Industrial Boilers**
Kaya D., Eyidogan M., Kilic F., Cay Y., Cagman S., Coban V.
ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY, vol.33, no.4, pp.1350-1356, 2014 (Journal Indexed in SCI)
- VII. **An energy efficiency analysis of an industrial reheating furnace and an implementation of efficiency enhancements methods**

KILINÇ E., Kaya D., Kilic F., Eyidogan M., ÖZKAYMAK M., Taylan O., Pedrycz W.

ENERGY EXPLORATION & EXPLOITATION, vol.32, no.6, pp.989-1003, 2014 (Journal Indexed in SCI)

VIII. **A study of techno-economic feasibility analysis of solar photovoltaic (PV) power generation in the province of Adana in Turkey**

DAĞTEKİN M., Kaya D., ÖZTÜRK H. H. , Kilic F.

ENERGY EXPLORATION & EXPLOITATION, vol.32, no.4, pp.719-735, 2014 (Journal Indexed in SCI)

Articles Published in Other Journals

I. **AN EVALUATION OF ENERGY AND EXERGY EFFICIENCIES FOR A BIOGAS COGENERATION PLANT**

KAYA D., ÖZTÜRK H. H. , Taylan O., Kilic F., Alidrisi H.

INTERNATIONAL JOURNAL OF ECOSYSTEMS AND ECOLOGY SCIENCE-IJEES, vol.7, no.1, pp.27-34, 2017 (Journal Indexed in ESCI)

II. **EVALUATION OF SOLAR ENERGY, ITS PRESENT STATUS, POTENTIALS, POLICIES AND THE LATEST DEVELOPMENTS IN TURKEY**

Kilic F.

INTERNATIONAL JOURNAL OF ECOSYSTEMS AND ECOLOGY SCIENCE-IJEES, vol.6, no.3, pp.415-424, 2016 (Journal Indexed in ESCI)

III. **Güneş Enerjisi Türkiye deki Son Durumu ve Üretim Teknolojileri**

ÇANKA KILIÇ F.

Mühendis ve Makina, vol.56, no.671, pp.28-40, 2015 (Other Refereed National Journals)

IV. **An experimental examination of energy production from domestic-based waste water treatment sludge**

Cagman S., Coban V., Eyidogan M., Kilic F., KAYA D.

WORLD JOURNAL OF ENGINEERING, vol.12, no.1, pp.45-49, 2015 (Journal Indexed in ESCI)

V. **Mühendislik Temel Alanı-Makine Mühendisliği Anahtar Kelimeler: Yenilenebilir Enerji Sistemleri ,Enerji ,**

ÇANKA KILIÇ F., KILIÇ M. K.

MÜHENDİS VE MAKİNA, vol.54, no.639, pp.45-56, 2013 (Other Refereed National Journals)

Books & Book Chapters

I. **Energy Management and Energy Efficiency in Industry**

KAYA D., ÖZTÜRK H. H. , ÇANKA KILIÇ F.

Springer-Verlag, Londrina, 2020

Refereed Congress / Symposium Publications in Proceedings

I. **Energy Efficiency Analysis of an Automobile Assembly Plant**

ÇANKA KILIÇ F., EYİDOĞAN M., SAPMAZ S., YÜCE M.

2 nd International Energy Engineering Conference, Gaziantep, Turkey, 12 - 13 October 2017, vol.1, pp.126

II. **ENERGY EFFICIENCY STUDIES IN THE PRODUCTION OF THE CERAMIC TILE MATERIALS IN TURKEY**

EYİDOĞAN M., ÇANKA KILIÇ F., YÜCE M., KAYA D.

2nd International Energy Engineering Conference, Gaziantep, Turkey, 12 - 13 October 2017, vol.1, pp.511

III. **ENERGY EFFICIENCY STUDIES IN CERAMIC SANITARY WARE INDUSTRY IN TURKEY**

ÇANKA KILIÇ F., EYİDOĞAN M., YÜCE M., UZUN E.

2nd International Energy Engineering Conference, Gaziantep, Turkey, 12 - 13 October 2017, vol.1, pp.512

IV. **Energy Efficiency Studies in Ceramic Sanitary Ware Industry in Turkey**

ÇANKA KILIÇ F., EYİDOĞAN M., YÜCE M., UZUN E.

UEMK 2017 "2nd International Energy and Engineering Conference, Gaziantep, Turkey, 12 - 13 October 2017, pp.512

V. Energy Efficiency Studies in The Production of the Ceramic Tile Materials in Turkey

EYİDOĞAN M., ÇANKA KILIÇ F., YÜCE M., KAYA D.

2nd International Energy Engineering Conference 12-13 October 2017, Gaziantep, Turkey, Gaziantep, Turkey, 12 - 13 October 2017, pp.511

VI. Energy saving in industrial annealing furnaces through an ORC system application

ÇANKA KILIÇ F., SERT M. Ö. , EYİDOĞAN M., KAYA D., ÖZDEMİR N. C.

III. International Iron and Steel Symposium (UDCS'17) Iron and Steel Institute, Karabuk University, Karabuk, Turkey, 3-5 April 2017, Karabük, Turkey, 3 - 05 April 2017, pp.83-88

VII. Capacity Increase and Energy Efficiency Improvement Studies in a Biogas Power Generation Plants

keskin kılıç m., ÇANKA KILIÇ F., ÇOBAN V., KAYA D.

7th International Conference of Ecosystems (ICE2017) Tirana, Albania, 2 - 05 June 2017

VIII. Wind energy and its status in Turkey

ÇANKA KILIÇ F.

7th International Conference of Ecosystems (ICE2017), Tirana, Albania, ICE2017, Tirane, Albania, 2 - 05 June 2017, pp.51-64

IX. The effect of temperature on biogas production by co-digestion of cattle manure with poultry manure and cheese whey

ÇALHAN R., KAYA D., ÇANKA KILIÇ F., EYİDOĞAN M., SAPMAZ S.

The 2nd International Conference on Civil and Environmental Engineering (ICOCEE - Cappadocia), Nevşehir, Turkey, 8 - 10 May 2017, pp.3493-3500

Metrics

Publication: 80

Citation (WoS): 293

Citation (Scopus): 331

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H-Index (Scopus): 7