

Prof. FATMA ÇANKA KILIÇ

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAC-1733-2020

Yoksis Researcher ID: 15959

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

Head of Department, Kocaeli University, Teknoloji Fakültesi, Enerji Sistemleri Mühendisliği, 2021 - Continues

Courses

ISI TRANSFERİ, Undergraduate, 2017 - 2018

İKLİMLENDİRME-SOĞUTMA LABORATUVARI I, İKLİMLENDİRME SOĞUTMA TEKNOLOJİSİ II, Associate Degree, 2017 - 2018, 2016 - 2017

AKIŞKANLAR MEKANİĞİ, Undergraduate, 2017 - 2018, 2016 - 2017

MESLEK RESMİ, İKLİMLENDİRME SOĞUTMA TEKNOLOJİSİ I, Associate Degree, 2017 - 2018

İKLİMLENDİRME-SOĞUTMA LABORATUVARI I, İKLİMLENDİRME SOĞUTMA TEKNOLOJİSİ (İ.Ö.) II, Associate Degree, 2017 - 2018, 2016 - 2017

PROJE, İKLİMLENDİRME SOĞUTMA TEKNOLOJİSİ II, Associate Degree, 2017 - 2018, 2016 - 2017

SOĞUTMA SİSTEM TASARIMI, İKLİMLENDİRME SOĞUTMA TEKNOLOJİSİ II, Associate Degree, 2017 - 2018

ISITMA SİSTEMLERİ, İKLİMLENDİRME SOĞUTMA TEKNOLOJİSİ (İ.Ö.) II, Associate Degree, 2017 - 2018, 2016 - 2017

SOĞUTMA SİSTEM TASARIMI, İKLİMLENDİRME SOĞUTMA TEKNOLOJİSİ (İ.Ö.) II, Associate Degree, 2017 - 2018

MESLEK RESMİ, İKLİMLENDİRME SOĞUTMA TEKNOLOJİSİ (İ.Ö.) I, Associate Degree, 2017 - 2018

ISITMA SİSTEMLERİ, İKLİMLENDİRME SOĞUTMA TEKNOLOJİSİ II, Associate Degree, 2017 - 2018, 2016 - 2017

ISI TRANSFERİ, Postgraduate, 2016 - 2017

Advising Theses

Çanka Kılıç F., Endüstriyel işletmelerde buhar sıkıştırma mekanik soğutma sistemleri yerine doğal soğutma sistemlerinin uygulamasının enerji verimliliğine etkisi, Postgraduate, B.ARSLAN(Student), 2022

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 (SCI-Expanded)
- II. **Geothermal Energy in Turkey**
Kilic F.
ENERGY & ENVIRONMENT, vol.27, pp.360-376, 2016 (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, no.6, pp.5100-5112, 2016 (SCI-Expanded)
- 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 (SCI-Expanded)

- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)

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 (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 (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 (Peer-Reviewed Journal)
- 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 (ESCI)
- V. **Jeotermal Enerji ve Türkiye**
ÇANKA KILIÇ F., KILIÇ M. K.
Mühendis ve Makina, vol.54, no.639, pp.45-56, 2013 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **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
- II. **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
- III. **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
- IV. **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

- V. **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

- VI. **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

- VII. **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

Tasks In Event Organizations

Özkan A., Gökkaya Ö., Mankolli H., Gillpatrick T., Milenkovic Kerkovic ., Küçük A., Yardımoğlu Yılmaz M., Bobat A., Kaya D., Özdemir E., et al., 7th INTERNATIONAL MARMARA SCIENCES AND SOCIAL SCIENCES CONGRESS, Scientific Congress, Kocaeli, Turkey, Aralık 2021

Metrics

Publication: 79

Citation (WoS): 337

Citation (Scopus): 382

H-Index (WoS): 8

H-Index (Scopus): 8

Non Academic Experience

ALYAP LTD. ŞTİ.

FEDERSAN YAY SAN.