

Doç. Dr. AYŞE PINAR MERT CÜCE

Kişisel Bilgiler

İş Telefonu: [+90 464 223 7518](tel:+904642237518) Dahili: 4400

E-posta: pinar.mertcuce@erdogan.edu.tr

Web: <https://avesis.erdogan.edu.tr/pinar.mertcuce>

Posta Adresi: Recep Tayyip Erdogan University, Faculty of Engineering and Architecture, Department of Architecture, Zihni Derin Campus, 53100, Rize, Turkey

Uluslararası Araştırmacı ID'leri

ScholarID: eS1uYBQAAAAJ

ORCID: 0000-0002-6522-7092

Publons / Web Of Science ResearcherID: ABG-5253-2020

ScopusID: 55221885200

Yoksis Araştırmacı ID: 267488

Eğitim Bilgileri

Post Doktora, The University of Nottingham, Faculty of Engineering, Department of Architecture and Built Environment, İngiltere 2023 - Devam Ediyor

Post Doktora, The University of Nottingham, Faculty of Engineering, Department of Architecture and Built Environment, İngiltere 2016 - 2017

Doktora, University of Nottingham, Faculty of Engineering, Mechanical Engineering, İngiltere 2013 - 2016

Doktora, The University of Nottingham, Faculty of Engineering, Department of Architecture and Built Environment, İngiltere 2013 - 2016

Yabancı Diller

İngilizce, C2 Ustalık

Yaptığı Tezler

Doktora, Innovative Heating, Cooling and Ventilation Technologies For Low-Carbon Buildings, University of Nottingham, Faculty Of Engineering, Department Of Mechanical Engineering, 2016

Araştırma Alanları

Makina Mühendisliği, Enerji, Akışkanlar Mekaniği , Alternatif Enerji Kaynakları, Güneş Enerjisi, İleri Enerji Teknolojileri, Termodinamik, Isı ve Madde Transferi, Isıtma, Soğutma ve Havalandırma , Isıl Sistemler, Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Doç. Dr., Recep Tayyip Erdoğan Üniversitesi, Mühendislik ve Mimarlık Fakültesi, Mimarlık, 2021 - Devam Ediyor

Doç. Dr., Recep Tayyip Erdoğan Üniversitesi, Mühendislik ve Mimarlık Fakültesi, Enerji Sistemleri Mühendisliği, 2020 -

2021

Yrd. Doç. Dr., Recep Tayyip Erdoğan Üniversitesi, Mühendislik ve Mimarlık Fakültesi, Enerji Sistemleri Mühendisliği, 2018 - 2020

Yrd. Doç. Dr., Bayburt Üniversitesi, Faculty Of Engineering, Department Of Mechanical Engineering, 2017 - 2018

Uzman Dr., University of Nottingham, Faculty Of Engineering, Department Of Architecture And Built Environment, 2015 - 2016

Araştırma Görevlisi, University of Nottingham, Faculty Of Engineering, Department Of Architecture And Built Environment, 2012 - 2015

Akademik İdari Deneyim

Bölüm Başkanı, Recep Tayyip Erdoğan Üniversitesi, Mühendislik ve Mimarlık Fakültesi, Mimarlık, 2023 - Devam Ediyor
Yapı Bilgisi Anabilim Dalı Başkanı, Recep Tayyip Erdoğan Üniversitesi, Mühendislik ve Mimarlık Fakültesi, Mimarlık, 2021 - Devam Ediyor

Bölüm Başkan Yardımcısı, Recep Tayyip Erdoğan Üniversitesi, Mühendislik ve Mimarlık Fakültesi, Enerji Sistemleri Mühendisliği, 2018 - 2021

Verdiği Dersler

ADVANCED FLUID MECHANICS, Yüksek Lisans, 2020 - 2021

ENERGY EFFICIENCY AND MANAGEMENT, Lisans, 2018 - 2019

FLUID MECHANICS II, Lisans, 2018 - 2019

CLIMATE CHANGE AND ENVIRONMENT, Yüksek Lisans, 2018 - 2019

ENERGY MANAGEMENT IN INDUSTRY AND BUILDINGS, Yüksek Lisans, 2018 - 2019

ADVANCED THERMODYNAMICS, Yüksek Lisans, 2018 - 2019

FLUID MECHANICS I, Lisans, 2018 - 2019

ENERGY MANAGEMENT IN INDUSTRY, Lisans, 2018 - 2019

HYDROELECTRIC POWER PLANTS, Lisans, 2018 - 2019

HEAT PUMPS AND APPLICATIONS, Yüksek Lisans, 2018 - 2019

HEAT TRANSFER II, Lisans, 2017 - 2018

HEAT TRANSFER I, Lisans, 2017 - 2018

Yönetilen Tezler

Cüce E., Mert Cüce A. P., Güneş bacası güç santrallerinin parametrik optimizasyonu, Yüksek Lisans, H.ŞEN(Öğrenci), 2021

Cüce E., Mert Cüce A. P., Termoelektrik soğutucularda nanoakışkan kullanımının soğutma gücü ve temel performans parametreleri üzerine etkisi, Yüksek Lisans, T.GÜÇLÜ(Öğrenci), 2020

Cüce E., Mert Cüce A. P., Boşluklu yapı elemanlarında geometrik optimizasyon ile ısı direncin iyileştirilmesi için termal stratejilerin geliştirilmesi, Yüksek Lisans, A.BURHANEDDİN(Öğrenci), 2020

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Design and experimental investigation of a thermoelectric vaccine cabinet integrated with photovoltaic and nanofluids**

MERT CÜCE A. P.

Journal of Thermal Analysis and Calorimetry, cilt.149, sa.17, ss.9955-9965, 2024 (SCI-Expanded)

- II. **Unlocking energy efficiency: Experimental investigation of bamboo fibre reinforced briquettes as sustainable solution with enhanced thermal resistance**

Cuce P., Alvur E., Cuce E., Alshahrani S., Prakash C., Tan H., Ustabas I.

CASE STUDIES IN THERMAL ENGINEERING, cilt.60, ss.104680, 2024 (SCI-Expanded)

- III. **A Review and Classification of Conventional, Advanced, Smart and Multifunctional Glazing Technologies for Low-Carbon Building and Applications**
Mert Cüce A. P., Güçlü T., Cüce E.
INTERNATIONAL JOURNAL OF GLOBAL WARMING, cilt.34, ss.1-3, 2024 (SCI-Expanded)
- IV. **ANN and CFD driven research on main performance characteristics of solar chimney power plants: Impact of chimney and collector angle**
MERT CÜCE A. P., CÜCE E., Mandal D., Gayen D., Asif M., Bouabidi A., Alshahrani S., Prakash C., Soudagar M.
CASE STUDIES IN THERMAL ENGINEERING, cilt.60, ss.104568, 2024 (SCI-Expanded)
- V. **Impact of support pillars geometry on thermal insulation performance of vacuum glazing: CFD research and exergy analysis**
Mert Cüce A. P., Cüce E., Şen H.
INTERNATIONAL JOURNAL OF EXERGY, cilt.44, sa.3/4, ss.188-203, 2024 (SCI-Expanded)
- VI. **Assessing performance of an external compound parabolic concentrator solar collector with cascaded latent heat thermal storage**
Satchi C., Muthuraman P., Thakur A., MERT CÜCE A. P., CÜCE E., Balavadivel R.
ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY, cilt.43, sa.4, 2024 (SCI-Expanded)
- VII. **Design, modelling, environmental, economic and performance analysis of parabolic trough solar collector (PTC) based cogeneration systems assisted by thermoelectric generators (TEGs)**
MERT CÜCE A. P., Guclu T., CÜCE E.
SUSTAINABLE ENERGY TECHNOLOGIES AND ASSESSMENTS, cilt.64, ss.103745, 2024 (SCI-Expanded)
- VIII. **Contemporary Evaporative Cooling System with Indirect Interaction in Construction Implementations: A Theoretical Exploration**
MERT CÜCE A. P., CÜCE E., Riffat S.
BUILDINGS, cilt.14, sa.4, ss.994, 2024 (SCI-Expanded)
- IX. **Thermal and energy analysis of a novel solar updraft tower design with divergent chimney and convergent collector concept: CFD analysis with experimental validation**
Mert Cüce A. P., Saxena A., Cüce E., Kontoleon K. J., Oztekin E. K., Shaik S., Guo S.
INTERNATIONAL JOURNAL OF LOW CARBON TECHNOLOGIES, cilt.19, ss.714-722, 2024 (SCI-Expanded)
- X. **Fire retardation, compressive strength and durability analysis of concrete reinforced with novel plasters: An experimental, computational and statistical research**
Ustabas I., Cuce P., Alvur E., Kesepara D., Yilmaz Y., Cuce E., Alshahrani S.
CASE STUDIES IN THERMAL ENGINEERING, cilt.55, ss.104156, 2024 (SCI-Expanded)
- XI. **Thermal Analysis of Building Roofs with Latent Heat Storage for Reduction in Energy Consumption and CO₂ Emissions: An Experimental and Numerical Research**
CÜCE E., Shaik S., Roy A., Arumugam C., Afzal A., MERT CÜCE A. P., Ghosh A., Alam T., Shaik S.
ADVANCES IN CIVIL ENGINEERING, cilt.2024, ss.1-15, 2024 (SCI-Expanded)
- XII. **Passive sustainability strategies in traditional Gaziantep residences: a critical report on historical development**
Anaç M., Mert Cüce P., Cüce E.
INTERNATIONAL JOURNAL OF LOW CARBON TECHNOLOGIES, cilt.19, ss.245-256, 2024 (SCI-Expanded)
- XIII. **Analysis of the benefits of adopting roof sandwich panels integrated with PCM versus PUR to mitigate energy costs and carbon dioxide emissions**
Arumugam C., Shaik S., Roy A., Kontoleon K. J., CÜCE E., Shaik A. H., Chakraborty S., Alwetaishi M., MERT CÜCE A. P., Gupta M.
Journal of Energy Storage, cilt.77, 2024 (SCI-Expanded)
- XIV. **Experimental performance assessment of a novel insulation plaster as an energy-efficient retrofit solution for external walls: A key building material towards low/zero carbon buildings**
Cüce E., Mert Cüce A. P., Alvur E., Yilmaz Y. N., Saboor S., Ustabas İ., Linul E., Asif M.
CASE STUDIES IN THERMAL ENGINEERING, cilt.49, 2023 (SCI-Expanded)

- XV. **Thermodynamic Performance Analysis of a Low-Cost, Recycled and Energy-Efficient Solar Air Heater with Waste Beverage Cans: An Experimental Research**
Mert Cüce A. P., Saxena A., Cüce E., Yilmaz Y. N., Shaik S., Guo S.
JOURNAL OF THERMAL SCIENCE, cilt.32, sa.4, ss.1657-1670, 2023 (SCI-Expanded)
- XVI. **Renewable energy potential towards attainment of net-zero energy buildings status-A critical review**
Christopher S., Vikram M., Bakli C., Thakur A., Ma Y., Ma Z., Xu H., MERT CÜCE A. P., CÜCE E., Singh P.
JOURNAL OF CLEANER PRODUCTION, cilt.405, ss.136942, 2023 (SCI-Expanded)
- XVII. **Experimental studies of latent heat storage based solar air heater for space heating: A comparative analysis**
Saxena A., CÜCE E., Singh D., Sethi M., MERT CÜCE A. P., Sagade A., Kumar A.
JOURNAL OF BUILDING ENGINEERING, cilt.69, ss.106282, 2023 (SCI-Expanded)
- XVIII. **Detection, location, and diagnosis of different faults in large solar PV system-a review**
Venkatakrishnan G., Rengaraj R., Tamilselvi S., Harshini J., Sahoo A., Saleel C., Abbas M., CÜCE E., Jazlyn C., Shaik S., et al.
INTERNATIONAL JOURNAL OF LOW-CARBON TECHNOLOGIES, cilt.18, ss.659-674, 2023 (SCI-Expanded)
- XIX. **Effect of using hybrid nanofluids as a coolant on the thermal performance of portable thermoelectric refrigerators**
MERT CÜCE A. P., CÜCE E., Guclu T., Shaik S., Alshahrani S., Saleel C. A.
SUSTAINABLE ENERGY TECHNOLOGIES AND ASSESSMENTS, cilt.53, 2022 (SCI-Expanded)
- XX. **Performance Evaluation of Solar Chimney Power Plants with Bayburt Stone and Basalt on the Ground as Natural Energy Storage Material**
MERT CÜCE A. P., CÜCE E., Alshahrani S., Saboor S., Sen H., Veza I., Saleel C. A.
SUSTAINABILITY, cilt.14, sa.17, 2022 (SCI-Expanded)
- XXI. **UV coated acrylics as a substitute for generic glazing in buildings of Indian climatic conditions: Prospective for energy savings, CO2 abatement, and visual acceptability**
Maduru V. R., Shaik S., CÜCE E., Afzal A., Panchal H., MERT CÜCE A. P.
ENERGY AND BUILDINGS, cilt.268, 2022 (SCI-Expanded)
- XXII. **A thermodynamic review on solar ponds**
Saxena A., CÜCE E., Singh D. B., MERT CÜCE A. P., Gupta P., Suryavanshi A., Farrokhi M., El-Sebaai A. A.
SOLAR ENERGY, cilt.242, ss.335-363, 2022 (SCI-Expanded)
- XXIII. **Floating PVs in Terms of Power Generation, Environmental Aspects, Market Potential, and Challenges**
CÜCE E., MERT CÜCE A. P., Saboor S., Ghosh A., Sheikhejad Y.
SUSTAINABILITY, cilt.14, sa.5, 2022 (SCI-Expanded)
- XXIV. **Performance assessment of solar chimney power plants with natural thermal energy storage materials on ground: CFD analysis with experimental validation**
Cüce E., Saxena A., Mert Cüce A. P., Sen H., Eroğlu H., Selvanathan S. P., Sudhakar K., Hasanuzzaman M.
INTERNATIONAL JOURNAL OF LOW-CARBON TECHNOLOGIES, cilt.17, ss.752-759, 2022 (SCI-Expanded)
- XXV. **Applications of solar PV tree systems with different design aspects and performance assessment**
MERT CÜCE A. P., Saxena A., CÜCE E., Riffat S.
INTERNATIONAL JOURNAL OF LOW-CARBON TECHNOLOGIES, cilt.17, ss.266-278, 2022 (SCI-Expanded)
- XXVI. **Solar Chimney Power Plants: A Review of the Concepts, Designs and Performances**
CÜCE E., MERT CÜCE A. P., Carlucci S., Sen H., Sudhakar K., Hasanuzzaman M., Daneshazarian R.
SUSTAINABILITY, cilt.14, sa.3, 2022 (SCI-Expanded)
- XXVII. **TiO₂ nano-coated thin film PV glazing with superior thermal resistance, self-cleaning, electricity generation and adaptive optical control**
CÜCE E., MERT CÜCE A. P., Riffat S.
INTERNATIONAL JOURNAL OF LOW-CARBON TECHNOLOGIES, cilt.17, ss.130-139, 2022 (SCI-Expanded)
- XXVIII. **Performance analysis of a novel solar desalination system - Part 2: The unit with sensible energy storage with thermal insulation and cooling system**
MERT CÜCE A. P., CÜCE E., Tonyali A.

- SUSTAINABLE ENERGY TECHNOLOGIES AND ASSESSMENTS, cilt.48, 2021 (SCI-Expanded)
- XXIX. **Harmonic problems in renewable and sustainable energy systems: A comprehensive review**
EROĞLU H., CÜCE E., MERT CÜCE A. P., GÜL F., İSKENDEROĞLU A.
SUSTAINABLE ENERGY TECHNOLOGIES AND ASSESSMENTS, cilt.48, 2021 (SCI-Expanded)
- XXX. **Performance assessment of solar chimney power plants with the impacts of divergent and convergent chimney geometry**
CÜCE E., Saxena A., MERT CÜCE A. P., Sen H., Guo S., Sudhakar K.
INTERNATIONAL JOURNAL OF LOW-CARBON TECHNOLOGIES, cilt.16, sa.3, ss.704-714, 2021 (SCI-Expanded)
- XXXI. **Thin film coated windows towards low/zero carbon buildings: Adaptive control of solar, thermal, and optical parameters**
CÜCE E., MERT CÜCE A. P., Riffat S.
SUSTAINABLE ENERGY TECHNOLOGIES AND ASSESSMENTS, cilt.46, 2021 (SCI-Expanded)
- XXXII. **Impacts of Ground Slope on Main Performance Figures of Solar Chimney Power Plants: A Comprehensive CFD Research with Experimental Validation**
CÜCE E., MERT CÜCE A. P., Sen H., Sudhakar K., Berardi U., SERENCAM U.
INTERNATIONAL JOURNAL OF PHOTOENERGY, cilt.2021, 2021 (SCI-Expanded)
- XXXIII. **Enhanced performance figures of solar cookers through latent heat storage and low-cost booster reflectors**
Cuce P. M., Kolaylı S., Cuce E.
INTERNATIONAL JOURNAL OF LOW-CARBON TECHNOLOGIES, cilt.15, sa.3, ss.427-433, 2020 (SCI-Expanded)
- XXXIV. **Improving thermal performance of thermoelectric coolers (TECs) through a nanofluid driven water to air heat exchanger design: An experimental research**
Cuce E., Guclu T., Cuce P. M.
ENERGY CONVERSION AND MANAGEMENT, cilt.214, 2020 (SCI-Expanded)
- XXXV. **On the Use of Nanofluids in Solar Energy Applications**
Cuce E., Cuce P. M., Guclu T., Besir A. B.
JOURNAL OF THERMAL SCIENCE, cilt.29, sa.3, ss.513-534, 2020 (SCI-Expanded)
- XXXVI. **Numerical performance modelling of solar chimney power plants: Influence of chimney height for a pilot plant in Manzanares, Spain**
CÜCE E., SEN H., CUCE P. M.
SUSTAINABLE ENERGY TECHNOLOGIES AND ASSESSMENTS, cilt.39, 2020 (SCI-Expanded)
- XXXVII. **Performance analysis of a novel solar desalination system - Part 1: The unit with sensible energy storage and booster reflector without thermal insulation and cooling system**
CÜCE E., Cuce P. M., SAXENA A., GÜÇLÜ T., BESİR A. B.
SUSTAINABLE ENERGY TECHNOLOGIES AND ASSESSMENTS, cilt.37, 2020 (SCI-Expanded)
- XXXVIII. **Sustainable ventilation strategies in buildings: CFD research**
CÜCE E., Sher F., Sadiq H., Cuce P. M., GÜÇLÜ T., BESİR A. B.
SUSTAINABLE ENERGY TECHNOLOGIES AND ASSESSMENTS, cilt.36, 2019 (SCI-Expanded)
- XXXIX. **Optimised performance of a thermally resistive PV glazing technology: An experimental validation**
CÜCE E., Cuce P. M.
ENERGY REPORTS, cilt.5, ss.1185-1195, 2019 (SCI-Expanded)
- XL. **A novel method based on thermal conductivity for material identification in scrap industry: An experimental validation**
Cuce E., Cuce P. M., Guclu T., Besir A., Gokce E., Serencam U.
MEASUREMENT, cilt.127, ss.379-389, 2018 (SCI-Expanded)
- XLI. **Box type solar cookers with sensible thermal energy storage medium: A comparative experimental investigation and thermodynamic analysis**
Cuce P. M.
SOLAR ENERGY, cilt.166, ss.432-440, 2018 (SCI-Expanded)
- XLII. **Concentrating photovoltaic thermal (CPVT) collectors and systems: Theory, performance assessment and applications**

- DANESHZARIAN R., Cuce E., Cuce P. M., Sher F.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, cilt.81, ss.473-492, 2018 (SCI-Expanded)
- XLIII. **Toward cost-effective and energy-efficient heat recovery systems in buildings: Thermal performance monitoring**
Cuce P. M., Cuce E.
ENERGY, cilt.137, ss.487-494, 2017 (SCI-Expanded)
- XLIV. **An accurate model for photovoltaic (PV) modules to determine electrical characteristics and thermodynamic performance parameters**
Cuce E., Cuce P. M., Karakas I. H., BALI T.
ENERGY CONVERSION AND MANAGEMENT, cilt.146, ss.205-216, 2017 (SCI-Expanded)
- XLV. **Solar Pond Window Technology for Energy-Efficient Retrofitting of Buildings: An Experimental and Numerical Investigation**
Cuce E., Cuce P. M.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, cilt.42, sa.5, ss.1909-1916, 2017 (SCI-Expanded)
- XLVI. **Thermal performance assessment of a novel liquid desiccant-based evaporative cooling system: An experimental investigation**
Cuce P. M.
ENERGY AND BUILDINGS, cilt.138, ss.88-95, 2017 (SCI-Expanded)
- XLVII. **Renewable and sustainable energy saving strategies for greenhouse systems: A comprehensive review**
Cuce E., Harjunowibowo D., Cuce P. M.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, cilt.64, ss.34-59, 2016 (SCI-Expanded)
- XLVIII. **Novel glazing technologies to mitigate energy consumption in low-carbon buildings: a comparative experimental investigation**
Cuce E., Cuce P. M., Riffat S.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, cilt.40, sa.4, ss.537-549, 2016 (SCI-Expanded)
- XLIX. **The impact of internal aerogel retrofitting on the thermal bridges of residential buildings: An experimental and statistical research**
Cuce E., Cuce P. M.
ENERGY AND BUILDINGS, cilt.116, ss.449-454, 2016 (SCI-Expanded)
- L. **Energy saving potential of heat insulation solar glass: Key results from laboratory and in-situ testing**
Cuce E., Cuce P. M., Young C.
ENERGY, cilt.97, ss.369-380, 2016 (SCI-Expanded)
- LI. **A state of the art review of evaporative cooling systems for building applications**
Cuce P. M., Riffat S.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, cilt.54, ss.1240-1249, 2016 (SCI-Expanded)
- LII. **Vacuum glazing for highly insulating windows: Recent developments and future prospects**
Cuce E., Cuce P. M.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, cilt.54, ss.1345-1357, 2016 (SCI-Expanded)
- LIII. **A novel roof type heat recovery panel for low-carbon buildings: An experimental investigation**
Cuce P. M., Cuce E., Riffat S.
ENERGY AND BUILDINGS, cilt.113, ss.133-138, 2016 (SCI-Expanded)
- LIV. **Theoretical investigation of hot box solar cookers having conventional and finned absorber plates**
Cuce E., Cuce P. M.
INTERNATIONAL JOURNAL OF LOW-CARBON TECHNOLOGIES, cilt.10, sa.3, ss.238-245, 2015 (SCI-Expanded)
- LV. **A comprehensive review of heat recovery systems for building applications**
Cuce P. M., Riffat S.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, cilt.47, ss.665-682, 2015 (SCI-Expanded)
- LVI. **A successful application of homotopy perturbation method for efficiency and effectiveness assessment of longitudinal porous fins**
Cuce E., Cuce P. M.

- ENERGY CONVERSION AND MANAGEMENT, cilt.93, ss.92-99, 2015 (SCI-Expanded)
- LVII. **Tilt Angle Optimization and Passive Cooling of Building-Integrated Photovoltaics (BIPVs) for Better Electrical Performance**
Cuce E., Cuce P. M.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, cilt.39, sa.11, ss.8199-8207, 2014 (SCI-Expanded)
- LVIII. **Optimizing insulation thickness and analysing environmental impacts of aerogel-based thermal superinsulation in buildings**
Cuce E., Cuce P. M., Wood C. J., Riffat S. B.
ENERGY AND BUILDINGS, cilt.77, ss.28-39, 2014 (SCI-Expanded)
- LIX. **Toward aerogel based thermal superinsulation in buildings: A comprehensive review**
Cuce E., Cuce P. M., Wood C. J., Riffat S. B.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, cilt.34, ss.273-299, 2014 (SCI-Expanded)
- LX. **An experimental analysis of illumination intensity and temperature dependency of photovoltaic cell parameters**
Cuce E., Cuce P. M., BALI T.
APPLIED ENERGY, cilt.111, ss.374-382, 2013 (SCI-Expanded)
- LXI. **Homotopy perturbation method for temperature distribution, fin efficiency and fin effectiveness of convective straight fins with temperature-dependent thermal conductivity**
Cuce E., Cuce P. M.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, cilt.227, sa.8, ss.1754-1760, 2013 (SCI-Expanded)
- LXII. **A comprehensive review on solar cookers**
Cuce E., Cuce P. M.
APPLIED ENERGY, cilt.102, ss.1399-1421, 2013 (SCI-Expanded)
- LXIII. **Effects of concavity level on heat loss, effectiveness and efficiency of a longitudinal fin exposed to natural convection and radiation**
Cuce E., Cuce P. M.
INTERNATIONAL JOURNAL OF NUMERICAL METHODS FOR HEAT & FLUID FLOW, cilt.23, sa.7, ss.1169-1178, 2013 (SCI-Expanded)
- LXIV. **A novel model of photovoltaic modules for parameter estimation and thermodynamic assessment**
Mert Cüce A. P., Cüce E.
INTERNATIONAL JOURNAL OF LOW-CARBON TECHNOLOGIES, cilt.7, sa.2, ss.159-165, 2012 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Performance assessment of photovoltaic and photovoltaic/thermal systems under the impact of shadowing**
Cüce E., Mert Cüce A. P.
Gazi Mühendislik Bilimleri Dergisi, cilt.10, sa.2, ss.206-224, 2024 (Hakemli Dergi)
- II. **The Potential and Challenges of Bim in Enhancing Energy Efficiency in Existing Buildings: A Comprehensive Review**
Alvur E., Anaç M., Mert Cüce A. P., Cüce E.
SUSTAINABLE AND CLEAN BUILDINGS, cilt.1, sa.1, ss.42-65, 2024 (Hakemli Dergi)
- III. **A Novel Moist Airflow Heating System for Low/Zero Carbon Buildings: a Numerical Study**
Mert Cüce A. P., Riffat S.
SUSTAINABLE AND CLEAN BUILDINGS, cilt.1, sa.1, ss.23-41, 2024 (Hakemli Dergi)
- IV. **Experimental Investigation of Internal Aerogel Insulation Towards Low/Zero Carbon Buildings: A Comprehensive Thermal Analysis for a UK Building**
Cüce E., Mert Cüce A. P., Wood C., Gillott M., Riffat S.
Sustainable and Clean Buildings, cilt.1, sa.1, ss.1-22, 2024 (Hakemli Dergi)

- V. **Internal Or External Thermal Superinsulation Towards Low/Zero Carbon Buildings? A Critical Report**
Mert Cüce A. P., Cüce E., Alvir E.
Gazi Mühendislik Bilimleri Dergisi, cilt.9, sa.3, ss.435-442, 2023 (Hakemli Dergi)
- VI. **Rotary desiccant wheel systems: A review**
Cüce E., Mert Cüce A. P., Yılmaz Y. N., Alvir E.
Turkish Journal of Electromechanics and Energy, cilt.8, sa.2, ss.56-65, 2023 (Hakemli Dergi)
- VII. **Global technological advancement and challenges of glazed window, facade system and vertical greenery-based energy savings in buildings: A comprehensive review**
Akram M., Hasannuzaman M., Cuce E., Cuce P.
ENERGY AND BUILT ENVIRONMENT, cilt.4, ss.206-226, 2023 (Scopus)
- VIII. **Performance Analysis of Fresnel Lens Driven Hot Water/Steam Generator for Domestic and Industrial Use: A CFD Research**
Mert Cüce A. P., Cüce E.
Hittite Journal of Science and Engineering, cilt.10, sa.1, ss.1-9, 2023 (Hakemli Dergi)
- IX. **New approaches in solar chimney power plants: Recent applications of hybrid power production**
ŞEN H., MERT CÜCE A. P., CÜCE E.
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- X. **Collector factor in a solar chimney power plant: CFD analysis for the pilot plant in Manzanares**
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Burslar

Post-Doctorate Research Fellowship Post in the Institute of Sustainable Energy Technologies, Department of Architecture and Built Environment, Faculty of Engineering, University of Nottingham, Üniversite, 2015 - 2016

Postgraduate Research Scholarship of Doctoral research in Sustainable Energy Technologies at the University of Nottingham, Üniversite, 2013 - 2015

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