

## Doç.Dr. ERDEM CÜCE

### Kişisel Bilgiler

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### Eğitim Bilgileri

Post Doktora, University of Nottingham, Faculty Of Engineering, Institute Of Sustainable Energy Technologies, İngiltere 2014 - 2016

Doktora, The University of Nottingham, Faculty Of Engineering, Institute Of Sustainable Energy Technologies, İngiltere 2012 - 2014

Yüksek Lisans, University of London, Birbeck College, London Foundation Campus, Master's Foundation Programme (Mfp) İn Engineering, İngiltere 2011 - 2012

### Yabancı Diller

İngilizce, C1 İleri

### Araştırma Alanları

Enerji, Alternatif Enerji Kaynakları, Enerji depolama teknolojileri, Güneş Enerjisi, İleri Enerji Teknolojileri, Termodinamik, Isı ve Madde Transferi, Isıtma, Soğutma ve Havalandırma , Isıl Sistemler, Sayısal Analiz

### Akademik Unvanlar / Görevler

Doç.Dr., Recep Tayyip Erdoğan Üniversitesi, Mühendislik Ve Mimarlık Fakültesi, Makine Mühendisliği, 2021 - Devam Ediyor

### Mesleki Deneyim

Anabilim/Bilim Dalı Başkanı, Recep Tayyip Erdoğan Üniversitesi, Mühendislik Ve Mimarlık Fakültesi, Makine Mühendisliği, 2020 - 2021

### Yönetilen Tezler

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

## SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Design and thermal performance investigation of a box cooker with flexible solar collector tubes: An experimental research**  
Saxena A., Cuce E., Tiwari G. N. , Kumar A.  
ENERGY, cilt.206, 2020 (SCI İndekslerine Giren Dergi)
- II. **Enhanced performance figures of solar cookers through latent heat storage and low-cost booster reflectors**  
Cuce P. M. , KOLAYLI S., Cuce E.  
INTERNATIONAL JOURNAL OF LOW-CARBON TECHNOLOGIES, cilt.15, sa.3, ss.427-433, 2020 (SCI İndekslerine Giren Dergi)
- III. **Enhanced performance figures of solar cookers through latent heat storage and low-cost booster reflectors**  
MERT CÜCE A. P. , KOLAYLI S., CÜCE E.  
International Journal of Low-Carbon Technologies, cilt.15, sa.3, ss.427-433, 2020 (SCI İndekslerine Giren Dergi)
- IV. **Thermal performance evaluation of a solar air heater integrated with helical tubes carrying phase change material**  
Saxena A., Agarwal N., Cuce E.  
JOURNAL OF ENERGY STORAGE, cilt.30, 2020 (SCI İndekslerine Giren Dergi)
- V. **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 İndekslerine Giren Dergi)
- VI. **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 İndekslerine Giren Dergi)
- VII. **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 İndekslerine Giren Dergi)
- VIII. **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 İndekslerine Giren Dergi)
- IX. **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 İndekslerine Giren Dergi)
- X. **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 İndekslerine Giren Dergi)
- XI. **Thermoelectric Coolers (TECs): From Theory to Practice**  
Guclu T., Cuce E.  
JOURNAL OF ELECTRONIC MATERIALS, cilt.48, sa.1, ss.211-230, 2019 (SCI İndekslerine Giren Dergi)
- XII. **Improving thermal power of a cylindrical solar cooker via novel micro/nano porous absorbers: A thermodynamic analysis with experimental validation**  
Cuce E.  
SOLAR ENERGY, cilt.176, ss.211-219, 2018 (SCI İndekslerine Giren Dergi)

- XIII. **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 İndekslerine Giren Dergi)
- XIV. **Accurate and reliable U-value assessment of argon-filled double glazed windows: A numerical and experimental investigation**  
Cuce E.  
ENERGY AND BUILDINGS, cilt.171, ss.100-106, 2018 (SCI İndekslerine Giren Dergi)
- XV. **Green roofs and facades: A comprehensive review**  
Besir A. B. , Cuce E.  
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, cilt.82, ss.915-939, 2018 (SCI İndekslerine Giren Dergi)
- XVI. **Concentrating photovoltaic thermal (CPVT) collectors and systems: Theory, performance assessment and applications**  
DANESHAZARIAN R., Cuce E., Cuce P. M. , Sher F.  
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, cilt.81, ss.473-492, 2018 (SCI İndekslerine Giren Dergi)
- XVII. **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 İndekslerine Giren Dergi)
- XVIII. **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 İndekslerine Giren Dergi)
- XIX. **A smart building material for low/zero carbon applications: heat insulation solar glass-characteristic results from laboratory and in situ tests**  
Cuce E., Riffat S. B.  
INTERNATIONAL JOURNAL OF LOW-CARBON TECHNOLOGIES, cilt.12, sa.2, ss.126-135, 2017 (SCI İndekslerine Giren Dergi)
- XX. **Thermal regulation impact of green walls: An experimental and numerical investigation**  
Cuce E.  
APPLIED ENERGY, cilt.194, ss.247-254, 2017 (SCI İndekslerine Giren Dergi)
- XXI. **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 İndekslerine Giren Dergi)
- XXII. **Role of airtightness in energy loss from windows: Experimental results from in-situ tests**  
Cuce E.  
ENERGY AND BUILDINGS, cilt.139, ss.449-455, 2017 (SCI İndekslerine Giren Dergi)
- XXIII. **Thermal and acoustic properties of aerogels: Preliminary investigation of the influence of granule size**  
MORETTI E., MERLI F., CÜCE E., BURATTI C.  
ENERGY, cilt.111, ss.472-480, 2017 (SCI İndekslerine Giren Dergi)
- XXIV. **Experimental and numerical investigation of a novel energy-efficient vacuum glazing technology for low-carbon buildings**  
Cuce E.  
INDOOR AND BUILT ENVIRONMENT, cilt.26, sa.1, ss.44-59, 2017 (SCI İndekslerine Giren Dergi)
- XXV. **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 İndekslerine Giren Dergi)

- XXVI. **A comprehensive assessment of sectoral energy consumption in the UK: past, present and future**  
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INTERNATIONAL JOURNAL OF LOW-CARBON TECHNOLOGIES, cilt.11, sa.3, ss.424-430, 2016 (SCI İndekslerine Giren Dergi)
- XXVII. **Toward multi-functional PV glazing technologies in low/zero carbon buildings: Heat insulation solar glass - Latest developments and future prospects**  
Cuce E.  
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, cilt.60, ss.1286-1301, 2016 (SCI İndekslerine Giren Dergi)
- XXVIII. **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 İndekslerine Giren Dergi)
- XXIX. **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 İndekslerine Giren Dergi)
- XXX. **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 İndekslerine Giren Dergi)
- XXXI. **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 İndekslerine Giren Dergi)
- XXXII. **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 İndekslerine Giren Dergi)
- XXXIII. **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 İndekslerine Giren Dergi)
- XXXIV. **Aerogel-Assisted Support Pillars for Thermal Performance Enhancement of Vacuum Glazing: A CFD Research for a Commercial Product**  
Cuce E., Riffat S. B.  
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, cilt.40, sa.8, ss.2233-2238, 2015 (SCI İndekslerine Giren Dergi)
- XXXV. **Thermal insulation, power generation, lighting and energy saving performance of heat insulation solar glass as a curtain wall application in Taiwan: A comparative experimental study**  
Cuce E., Riffat S. B. , Young C.  
ENERGY CONVERSION AND MANAGEMENT, cilt.96, ss.31-38, 2015 (SCI İndekslerine Giren Dergi)
- XXXVI. **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 İndekslerine Giren Dergi)
- XXXVII. **Vacuum tube window technology for highly insulating building fabric: An experimental and numerical investigation**  
Cuce E., Riffat S. B.  
VACUUM, cilt.111, ss.83-91, 2015 (SCI İndekslerine Giren Dergi)
- XXXVIII. **A state-of-the-art review on innovative glazing technologies**  
Cuce E., Riffat S. B.  
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- XXXIX. **Thermal performance investigation of heat insulation solar glass: A comparative experimental study**  
Cuce E., Young C., Riffat S. B.

- ENERGY AND BUILDINGS, cilt.86, ss.595-600, 2015 (SCI İndekslerine Giren Dergi)
- XL. **Performance investigation of heat insulation solar glass for low-carbon buildings**  
Cuce E., Young C., Riffat S. B.  
ENERGY CONVERSION AND MANAGEMENT, cilt.88, ss.834-841, 2014 (SCI İndekslerine Giren Dergi)
- XLI. **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 İndekslerine Giren Dergi)
- XLII. **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 İndekslerine Giren Dergi)
- XLIII. **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 İndekslerine Giren Dergi)
- XLIV. **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 İndekslerine Giren Dergi)
- XLV. **Comments on "Analytical expression for electrical efficiency of PV/T hybrid air collector" by S. Dubey, G.S. Sandhu, and G.N. Tiwari**  
CÜCE E., CÜCE P. M.  
INTERNATIONAL JOURNAL OF AMBIENT ENERGY, cilt.36, sa.4, ss.206-208, 2013 (SCI Expanded İndekslerine Giren Dergi)
- XLVI. **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 İndekslerine Giren Dergi)
- XLVII. **A comprehensive review on solar cookers**  
Cuce E., Cuce P. M.  
APPLIED ENERGY, cilt.102, ss.1399-1421, 2013 (SCI İndekslerine Giren Dergi)
- XLVIII. **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 İndekslerine Giren Dergi)
- XLIX. **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 İndekslerine Giren Dergi)
- L. **Effects of passive cooling on performance of silicon photovoltaic cells**  
Cüce E., Bali T., Seküçoğlu S. A.  
INTERNATIONAL JOURNAL OF LOW-CARBON TECHNOLOGIES, cilt.6, sa.4, ss.299-308, 2011 (SCI Expanded İndekslerine Giren Dergi)
- LI. **A review on hybrid photovoltaic/thermal collectors and systems**  
Cüce E., Riffat S.  
INTERNATIONAL JOURNAL OF LOW-CARBON TECHNOLOGIES, cilt.6, sa.3, ss.212-241, 2011 (SCI Expanded İndekslerine Giren Dergi)

## Diğer Dergilerde Yayınlanan Makaleler

- I. **Improving thermal resistance of lightweight concrete hollow bricks: A numerical optimisation research for a typical masonry unit**  
CÜCE E., CUCE P. M. , BESIR A. B.  
Journal of Energy Systems, cilt.4, sa.3, ss.121-144, 2020 (Diğer Kurumların Hakemli Dergileri)
- II. **GÜNEŞ BACASI GÜÇ SANTRALLERİNDE TOPLAYICI EĞİMİNİN ÇIKIŞ GÜCÜNE VE SİSTEM VERİMİNE ETKİSİ**  
CÜCE E.  
Uludağ University Journal of The Faculty of Engineering, cilt.25, sa.2, ss.1025-1038, 2020 (Diğer Kurumların Hakemli Dergileri)
- III. **Analysis of solar PV glare in airport environment: Potential solutions**  
Sreenath S., Sudhakar K., Yusop A., CÜCE E., Solomin E.  
Results in Engineering, cilt.5, 2020 (Diğer Kurumların Hakemli Dergileri)
- IV. **Improving thermal resistance of lightweight concrete hollow bricks: A numerical optimisation research for a typical masonry unit**  
CÜCE E., MERT CÜCE A. P. , BEŞİR A. B.  
Journal of Energy Systems, cilt.4, sa.3, ss.121-144, 2020 (Diğer Kurumların Hakemli Dergileri)
- V. **Heat insulative photovoltaic glass: Optical, acoustic, thermal and electricity production performance**  
CÜCE E.  
Nigde Üniversitesi Mühendislik Bilimleri Dergisi, cilt.9, sa.1, ss.494-503, 2020 (Hakemli Üniversite Dergisi)
- VI. **Enerji verimli binalar için sürdürülebilir ve çevre dostu pencere ve cam teknolojileri: Son gelişmeler ve uygulamalar**  
Cuce P. M. , Guclu T., Besir A. B. , CÜCE E.  
ULUDAG UNIVERSITY JOURNAL OF THE FACULTY OF ENGINEERING, cilt.24, sa.3, ss.503-522, 2019 (Hakemli Üniversite Dergisi)
- VII. **Performance assessment of solar chimneys: Part 2 – Impacts of slenderness value and collector slope on power output**  
CÜCE E., Cuce P. M.  
ENERGY RESEARCH JOURNAL, cilt.10, ss.20-26, 2019 (ESCI İndekslerine Giren Dergi)
- VIII. **Performance assessment of solar chimneys: Part I – Impact of chimney height on power output**  
CÜCE E., CUCE P. M.  
ENERGY RESEARCH JOURNAL, cilt.10, ss.11-19, 2019 (ESCI İndekslerine Giren Dergi)
- IX. **Heat transfer enhancement in cylindrical fins through longitudinal parabolic perforations**  
Cuce E., Oztekin E. K. , Cuce P. M.  
INTERNATIONAL JOURNAL OF AMBIENT ENERGY, cilt.40, sa.4, ss.406-412, 2019 (ESCI İndekslerine Giren Dergi)
- X. **Impacts of edge seal material on thermal insulation performance of athermally resistive photovoltaic glazing: CFD research with experimental validation**  
CÜCE E.  
Journal of Energy Systems, cilt.3, sa.1, ss.26-35, 2019 (Diğer Kurumların Hakemli Dergileri)
- XI. **Strategies for ideal indoor environments towards low/zero carbon buildings through a biomimetic approach**  
Cuce E., Nachan Z., Cuce P. M. , Sher F., NEIGHBOUR G. B.  
INTERNATIONAL JOURNAL OF AMBIENT ENERGY, cilt.40, sa.1, ss.86-95, 2019 (ESCI İndekslerine Giren Dergi)
- XII. **Performance Assessment of Solar Chimneys: Part I – Impact of Chimney Height on Power Output**  
CÜCE E., MERT CÜCE A. P.  
Energy Research Journal, cilt.10, sa.1, ss.11-19, 2019 (Diğer Kurumların Hakemli Dergileri)
- XIII. **Performance Assessment of Solar Chimneys: Part 2 – Impacts of Slenderness Value and Collector Slope on Power Output**  
CÜCE E., MERT CÜCE A. P.  
Energy Research Journal, cilt.10, sa.1, ss.20-26, 2019 (Diğer Kurumların Hakemli Dergileri)

- XIV. **Smart Retrofit Solutions of Buildings toward a Low Carbon World**  
CÜCE E., MERT CÜCE P.  
Energy Research Journal, cilt.9, sa.1, ss.77-86, 2018 (Diğer Kurumların Hakemli Dergileri)
- XV. **Impact of humidity on current parameters of solar cells**  
CÜCE E., MERT CÜCE P., BALI T.  
Journal of Energy Systems, cilt.2, sa.3, ss.84-96, 2018 (Diğer Kurumların Hakemli Dergileri)
- XVI. **Hybrid Photovoltaic/Thermal (HPV/T) Systems: From Theory to Applications**  
CÜCE E., ÖZTEKİN E. K. , MERT CÜCE P.  
Energy Research Journal, cilt.9, sa.1, ss.1-71, 2018 (Diğer Kurumların Hakemli Dergileri)
- XVII. **An Overview of Concentrating Photovoltaic Thermal (CPVT) Collectors**  
DANESHAZARIAN R., CÜCE E., MERT CÜCE P.  
Energy Research Journal, cilt.8, sa.1, ss.11-21, 2017 (Diğer Kurumların Hakemli Dergileri)
- XVIII. **Hava sızdırmazlığının konvansiyonel pencerelerin ortalama ısı yalıtım performansındaki rolü**  
CÜCE E.  
Dicle Üniversitesi Mühendislik Fakültesi, cilt.8, sa.1, ss.159-174, 2016 (Hakemli Üniversite Dergisi)
- XIX. **An overview of domestic energy consumption in the UK: past, present and future**  
Cuce E.  
INTERNATIONAL JOURNAL OF AMBIENT ENERGY, cilt.37, sa.4, ss.428-435, 2016 (ESCI İndekslerine Giren Dergi)
- XX. **Comments on "Analytical expression for electrical efficiency of PV/T hybrid air collector" by S. Dubey, G.S. Sandhu, and G.N. Tiwari**  
Cuce P. M. , Cuce E.  
INTERNATIONAL JOURNAL OF AMBIENT ENERGY, cilt.36, sa.4, ss.206-208, 2015 (ESCI İndekslerine Giren Dergi)
- XXI. **Energetic and exergetic performance assessment of solar cookers with different geometrical designs**  
Cuce E., Cuce P. M.  
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- XXII. **Optimization of configurations to enhance heat transfer from a longitudinal fin exposed to natural convection and radiation**  
Cuce P. M. , CÜCE E.  
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- XXIII. **Toward energy-efficient window technologies in low carbon buildings: CFD simulation of novel vacuum tube window**  
CÜCE E., RIFFAT S.  
WORLD SOCIETY OF SUSTAINABLE ENERGY TECHNOLOGIES NEWSLETTER, cilt.6, sa.1, ss.6, 2014 (ESCI İndekslerine Giren Dergi)
- XXIV. **Homotopy perturbation method for temperature distribution, fin efficiency and fin effectiveness of convective straight fins**  
Cuce P. M. , Cuce E., AYGÜN C.  
INTERNATIONAL JOURNAL OF LOW-CARBON TECHNOLOGIES, cilt.9, sa.1, ss.80-84, 2014 (ESCI İndekslerine Giren Dergi)
- XXV. **Improving thermodynamic performance parameters of silicon photovoltaic cells via air cooling**  
CÜCE E., Cuce P. M.  
INTERNATIONAL JOURNAL OF AMBIENT ENERGY, cilt.35, sa.4, ss.193-199, 2014 (ESCI İndekslerine Giren Dergi)
- XXVI. **He's homotopy perturbation method for prey and predator problem considering real life situations**  
CÜCE E., MERT CÜCE P.  
Far East Journal of Applied Mathematics, cilt.76, sa.1, ss.13-24, 2013 (Diğer Kurumların Hakemli Dergileri)
- XXVII. **A novel model of photovoltaic modules for parameter estimation and thermodynamic assessment**  
Cuce P. M. , Cuce E.  
INTERNATIONAL JOURNAL OF LOW-CARBON TECHNOLOGIES, cilt.7, sa.2, ss.159-165, 2012 (ESCI İndekslerine Giren Dergi)
- XXVIII. **Effects of passive cooling on performance of silicon photovoltaic cells**

Cuce E., BALI T., Sekucoglu S. A.

INTERNATIONAL JOURNAL OF LOW-CARBON TECHNOLOGIES, cilt.6, sa.4, ss.299-308, 2011 (ESCI İndekslerine Giren Dergi)

**XXIX. A review on hybrid photovoltaic/thermal collectors and systems**

Riffat S. B. , Cuce E.

INTERNATIONAL JOURNAL OF LOW-CARBON TECHNOLOGIES, cilt.6, sa.3, ss.212-241, 2011 (ESCI İndekslerine Giren Dergi)

## **Kitap & Kitap Bölümleri**

**I. Thermal properties of aerogels: From theory to practice**

CÜCE E., MERT CÜCE A. P. , GUCLU T., BESIR A. B.

Translucent silica aerogel: Properties, preparation and applications, Cinzia Buratti, Editör, Nova Science Publishers, Italy, ss.1-306, 2019

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## Atıflar

Toplam Atıf Sayısı (WOS):1795

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## Burslar

Post-Doctorate Research Fellowship from TUBITAK (The Scientific and Technological Research Council of Turkey) through funding programme 2219/1, 2015, TÜBİTAK, 2015 - 2016

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, 2014 - 2016

Postgraduate Research Scholarship of Turkish Ministry of Education, Doctoral research in Sustainable Energy Technologies at the University of Nottingham, Milli Eğitim Bakanlığı, 2012 - 2015

## Ödüller

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