

# Prof. NİMETİ KALAYCI

## Personal Information

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## International Researcher IDs

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ScopusID: 22985016300

Yoksis Researcher ID: 23498

## Biography

Nimeti Kalaycı received undergraduate degree from the Department of Mechanical Engineering at Anadolu University and MS and doctorate from the Department of Mechanical Engineering at Eskişehir Osmangazi University. She entered her academic career as a research assistant at Dumlupınar University (Department of Mechanical Engineering). She has been continuing her studies at the Department of Mechanical Engineering, Gazi University since January 2019.

Nimeti Kalaycı has published a course book on numerical analysis and many papers on radiative heat transfer. She has served as a reviewer for many prestigious journals. Her research areas mainly include the radiative properties and calculation of particles and gases.

## Foreign Languages

English, B2 Upper Intermediate

## Dissertations

Doctorate, Katılımcı silindirik ortamlarda ışıınım ısı transferinin SKN yöntemi ile hesabı, Eskişehir Osmangazi University, Fen Bilimleri Enstitüsü, Makine Mühendisliği (Dr), 2003

Postgraduate, Bir buhar güç santralinin termoeconomik fonksiyonel analizi, Eskişehir Osmangazi University, Fen Bilimleri Enstitüsü, Makine Mühendisliği (YI) (Tezli), 1996

## Research Areas

Mechanical Engineering, Energy, Thermodynamics, Engineering and Technology

## Academic Titles / Tasks

Professor, Gazi University, Mühendislik Fakültesi, Makina Mühendisliği, 2023 - Continues

## Academic and Administrative Experience

Mevlana Exchange Program Institutional Coordinator, Kütahya Dumlupınar University, Engineering Faculty, Mechanical Engineering Department, 2013 - 2018

## Courses

Introduction to Programming for Engineers, Undergraduate, 2023 - 2024, 2021 - 2022, 2020 - 2021, 2019 - 2020

Introduction to Numerical Analysis, Undergraduate, 2023 - 2024, 2021 - 2022, 2020 - 2021, 2019 - 2020

Radiative Heat Transfer, Postgraduate, 2023 - 2024, 2021 - 2022, 2020 - 2021, 2019 - 2020

Applied Mathematics for Mechanical Engineers, Undergraduate, 2020 - 2021

ISI TRANSFERİ PROBLEMLERİNE YAKLAŞIK ÇÖZÜMLER, Postgraduate, 2019 - 2020, 2017 - 2018, 2016 - 2017

Design of Heat Exchangers, Undergraduate, 2019 - 2020

Thermodynamics I, Undergraduate, 2017 - 2018

ISI TRANSFERİNDE YAKLAŞIK YÖNTEMLER, Postgraduate, 2017 - 2018

## Advising Theses

Döner N., Experimental investigation of flame and cold flow characteristics in household cookers, Postgraduate, B.ŞAHİN(Student), 2022

Döner N., Sert Z., Investigation of Thermal Performances at Addition Microparticles to Greases Used in Outdoor Environment, Postgraduate, G.GÖKDEMİR(Student), 2021

Döner N., Erçetin U., Determining Energy Losses and Saving Methods in Compressed Air Systems, Postgraduate, Ö.TUTU(Student), 2021

DÖNER N., Detailed Thermal Design And Analysis Of An Observation Satellite In Low Earth Orbit, Postgraduate, H.SUNDU(Student), 2020

DÖNER N., Türkiye'de belli bölgelerden alınan toprakların ısıtım özelliklerinin incelenmesi, Postgraduate, E.SÜTÇÜ(Student), 2019

Döner N., Özgören M. K., Design and Construction of a Foot Motion Based Robotic Gait Training Device, Doctorate, K.CEM(Student), 2018

Döner N., Aygahoglu A., Investigation of Radiative Properties of Particles in Gas After Welding Procedure, Postgraduate, A.RIZA(Student), 2018

Döner N., Timuralp Ç., Tekstil terbiye fabrikalarında enerji kayıplarının belirlenmesi ve kızgın yağlı merkezi kazandan atık enerji geri kazanım uygulaması, Postgraduate, H.KAVAK(Student), 2018

Döner N., Mare T., Experimental Study of Heat Exchange in Microchannels Using Carbonnanotube based Nanofluids: Solar Application, Postgraduate, S.AHLATLI(Student), 2016

Döner N., Mare T., Performance Analysis and Use of Carbon Nanotube/Water Nanofluid in microchannel Heat Sink, Postgraduate, A.ARSLAN(Student), 2014

Döner N., Mare T., Experimental Investigation of Rheological Properties of Carbon Nanotube/Water Nanofluids, Postgraduate, B.ALADAĞ(Student), 2011

DÖNER N., Pem tipi yakıt pili prototipinin hazırlanarak çalışma parametrelerinin performans etkilerinin deneysel olarak incelenmesi, Postgraduate, M.GÜVENLİ(Student), 2011

DÖNER N., İmal edilen ve ticari PEM tipi yakıt hücrelerinin performanslarının kıyaslanması, Postgraduate, R.KAPLAN(Student), 2008

## Jury Memberships

Doctorate, Doctorate, Eskisehir Osmangazi University, February, 2024

Doctorate, Doctorate, Trakya Üniversitesi, January, 2024

Doctorate, Doctorate, Orta Doğu Teknik Üniversitesi, December, 2023

Doctorate, Doctorate, Hacettepe University, December, 2022  
Doctoral Examination, Doctoral Examination, Gazi University, June, 2021  
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Eskişehir Osmangazi Üniversitesi, June, 2021  
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Gazi University, January, 2021  
Post Graduate, Post Graduate, Gazi Üniversitesi, October, 2019  
Post Graduate, Post Graduate, Gazi Üniversitesi, June, 2019  
Doctorate, Doctorate, Middle East Technical University, August, 2018  
Doctorate, Doctorate, Kütahya Dumlupınar Üniversitesi, August, 2018  
Post Graduate, Post Graduate, Kütahya Dumlupınar Üniversitesi, February, 2011  
Post Graduate, Post Graduate, Kütahya Dumlupınar Üniversitesi, November, 2010  
Post Graduate, Post Graduate, Kütahya Dumlupınar Üniversitesi, September, 2008  
Post Graduate, Post Graduate, Kütahya Dumlupınar Üniversitesi, July, 2007  
Doctorate, Doctorate, Kütahya Dumlupınar Üniversitesi, March, 2007  
Post Graduate, Post Graduate, Kütahya Dumlupınar Üniversitesi, August, 2006  
Post Graduate, Post Graduate, Kütahya Dumlupınar Üniversitesi, July, 2006

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

- I. **Entropy and exergy analyses of a direct absorption solar collector: A detailed thermodynamic model**  
Zhang Z., Lou C., Kalaycı N., Cai W.  
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, vol.239, pp.1-20, 2025 (SCI-Expanded)
- II. **Soot formation in laminar ammonia-ethylene counterflow diffusion flames: Isolation of chemical, thermal, and dilution effects**  
Li Z., Liu S., Lou C., Kalaycı N., Zhang Z., Zhao K., Tang S.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.94, pp.444-455, 2024 (SCI-Expanded)
- III. **Transport characteristics of gas in an alkaline water electrolyser with the addition of baffles: Analysis of mechanism and performance**  
Cai W., Shen F., Döner N., Zhang Z., Wang Z., Li Q.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.84, pp.1004-1020, 2024 (SCI-Expanded)
- IV. **Flow analysis in different geometries for optimization of exhaust manifold in a locomotive diesel engine**  
Apaydin S., Döner N.  
AIN SHAMS ENGINEERING JOURNAL, vol.15, no.9, pp.1-14, 2024 (SCI-Expanded)
- V. **Effects of piston cooling gallery geometry on temperature and flow in a heavy-duty diesel engine**  
Apaydin S., Döner N.  
Thermal Science and Engineering Progress, vol.51, pp.1-13, 2024 (SCI-Expanded)
- VI. **Artificial neural network models for heat transfer in the freeboard of a bubbling fluidised bed combustion system**  
Döner N., Ciddi K., Yalcin I. B., Sarivaz M.  
CASE STUDIES IN THERMAL ENGINEERING, vol.49, pp.1-11, 2023 (SCI-Expanded)
- VII. **Entropy generation analysis of a three-dimensional coal-fired furnace: A realistic study**  
Zhang Z., Doner N., Lou C., Zhang C.  
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, vol.209, pp.1-12, 2023 (SCI-Expanded)
- VIII. **Entropy and exergy analysis of coupled radiative heat transfer and heat conduction: A new thermodynamics approach**  
Zhang Z., Döner N., Long ., Lou C.  
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, vol.215, pp.1-12, 2023 (SCI-Expanded)
- IX. **Energy Generation through Thermopower Waves using Multi-walled Carbon Nanotube Yarn**  
Döner N., Burhan H., Bayat R., Altuner E. E., Şen F.

FUEL, vol.331, no.2, pp.1-7, 2023 (SCI-Expanded)

- X. **Simulation-based investigations of geometrical design effects on the efficiency of the intake manifold of a six-cylinder diesel engine**  
Apaydın Ş., Döner N.  
ADVANCES IN ENGINEERING SOFTWARE, vol.173, pp.1-10, 2022 (SCI-Expanded)
- XI. **Regression analysis of the operational parameters and energy-saving potential of industrial compressed air systems**  
Döner N., Ciddi K.  
ENERGY, vol.252, no.1, pp.1-10, 2022 (SCI-Expanded)
- XII. **Study on particle radiative properties of lignite, hard coal and biomass fly ashes in the infrared wavelength range**  
Döner N., Topal H., Aygahoğlu A., Şen F., Karimi-Maleh H.  
CHEMOSPHERE CHEMISTRY, BIOLOGY AND TOXICOLOGY AS RELATED TO ENVIRONMENTAL PROBLEMS, vol.291, no.1, pp.1-10, 2022 (SCI-Expanded)
- XIII. **Modeling and simulation of steam methane reforming and methane combustion over continuous and segmented catalyst beds in autothermal reactor**  
Cherif A., Nebbali R., Şen F., Sheffield J. W., Döner N., Nasser L.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.47, no.15, pp.9127-9138, 2022 (SCI-Expanded)
- XIV. **Numerical investigation of hydrogen production via autothermal reforming of steam and methane over Ni/Al<sub>2</sub>O<sub>3</sub> and Pt/Al<sub>2</sub>O<sub>3</sub> patterned catalytic layers**  
Cherif A., Nebbali R., Sheffield J. W., Döner N., Şen F.  
International Journal of Hydrogen Energy, vol.46, pp.37521-37532, 2021 (SCI-Expanded)
- XV. **Effects of CuO, TiO<sub>2</sub> and graphite microparticles on the heat transfer properties of greases**  
Gökdemir G., Döner N., Sert Z., Şen F., Ciddi K.  
ENGINEERING SCIENCE AND TECHNOLOGY-AN INTERNATIONAL JOURNAL-JESTECH, vol.25, pp.1-10, 2021 (SCI-Expanded)
- XVI. **Design and kinematic analysis of a novel rehabilitative robotic walking simulation device**  
Kose K. C., ÖZGÖREN M. K., Tekce F., DÖNER N.  
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART H-JOURNAL OF ENGINEERING IN MEDICINE, vol.235, no.7, pp.770-779, 2021 (SCI-Expanded)
- XVII. **Hematite particles' radiative properties within the ultraviolet-visible spectrum and thermal properties at low temperatures**  
AYGAHOĞLU A., DÖNER N., PARGAN A. R.  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.36, no.1, pp.191-200, 2021 (SCI-Expanded)
- XVIII. **A comparative study of waste energy recovery from a hot-oil central boiler in a textile finishing factory**  
Kavak H., Timuralp Ç., Döner N.  
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, 2020 (SCI-Expanded)
- XIX. **Morphological and radiative characteristics of soot aggregates: Experimental and numerical research**  
Sutcu E., DÖNER N., Liu F., ERÇETİN Ü., ŞEN F., Yon J., Moran J., Fuentes A.  
SCIENTIFIC REPORTS, vol.10, no.1, 2020 (SCI-Expanded)
- XX. **Radiative properties of hematite particles in the UV-visible spectrum**  
Doner N., Pargan A. R., Aygahoglu A., Liu F., Sen F.  
INTERNATIONAL JOURNAL OF THERMAL SCIENCES, vol.139, pp.79-87, 2019 (SCI-Expanded)
- XXI. **Study of the Heat Transfer of a Large-Scale Tunnel Furnace Based on Numerical Modeling**  
Ercetin U., Doner N.  
JOURNAL OF THERMAL SCIENCE AND ENGINEERING APPLICATIONS, vol.10, no.3, 2018 (SCI-Expanded)
- XXII. **Impact of necking and overlapping on radiative properties of coated soot aggregates**  
Doner N., Liu F., Yon J.

- AEROSOL SCIENCE AND TECHNOLOGY, vol.51, no.4, pp.532-542, 2017 (SCI-Expanded)
- XXIII. **Impact of morphology on the radiative properties of fractal soot aggregates**  
Doner N., Liu F.  
JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER, vol.187, pp.10-19, 2017 (SCI-Expanded)
- XXIV. **Comments on "Investigation of design parameters of a domestic refrigerator by artificial neural networks and numerical simulations" by D. Kumlutas et al. [Int. J. Refrigeration 35, 1678-1689, 2012]**  
Doner N.  
INTERNATIONAL JOURNAL OF REFRIGERATION-REVUE INTERNATIONALE DU FROID, vol.65, pp.332-334, 2016 (SCI-Expanded)
- XXV. **M-1 model for radiative heat transfer in absorbing, emitting, and scattering medium**  
Doner N.  
INTERNATIONAL JOURNAL OF THERMAL SCIENCES, vol.79, pp.34-39, 2014 (SCI-Expanded)
- XXVI. **Viscosity of carbon nanotubes water-based nanofluids: Influence of concentration and temperature**  
Halefadi S., Estelle P., Aladag B., Doner N., Mare T.  
INTERNATIONAL JOURNAL OF THERMAL SCIENCES, vol.71, pp.111-117, 2013 (SCI-Expanded)
- XXVII. **Shear History Effect on the Viscosity of Carbon Nanotubes Water-based Nanofluid**  
Estelle P., Halefadi S., Doner N., Mare T.  
CURRENT NANOSCIENCE, vol.9, no.2, pp.225-230, 2013 (SCI-Expanded)
- XXVIII. **An application of Spectral line-based weighted sum of grey gases (SLW) model with geometric optics approximation for radiative heat transfer in 3-D participating media**  
Doner N., SELÇUK N.  
APPLIED THERMAL ENGINEERING, vol.50, no.1, pp.89-93, 2013 (SCI-Expanded)
- XXIX. **Experimental investigations of the viscosity of nanofluids at low temperatures**  
Aladag B., Halefadi S., Doner N., Mare T., Duret S., Estelle P.  
APPLIED ENERGY, vol.97, pp.876-880, 2012 (SCI-Expanded)
- XXX. **A 3-D radiation model for non-grey gases**  
SELÇUK N., DÖNER N.  
JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER, vol.110, no.3, pp.184-191, 2009 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Anti-icing and de-icing methods used for icing at wings of aircrafts**  
Akgun O., KALAYCI N.  
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, 2024 (ESCI)
- II. **Flame and Flow Analysis of LPG in Household Cookers with Rectangular Ports**  
Sahin B., DÖNER N., İLBAŞ M.  
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, no.3, 2024 (ESCI)
- III. **Impact of Steam Traps On Energy Efficiency and Energy Cost Analysis: The Case of a Textile Factory**  
Kavak H., Döner N.  
Mühendis ve Makina, vol.63, no.709, pp.651-671, 2022 (Peer-Reviewed Journal)
- IV. **Investigation of Temperature and Absorption Properties of ZnO Additived Greases**  
Gökdemir G., Döner N., Sert Z., Şen F.  
Erciyes Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.37, no.2, pp.240-248, 2021 (Peer-Reviewed Journal)
- V. **Detailed Thermal Design and Control of an Observation Satellite in Low Earth Orbit**  
Sundu H., Döner N.  
European Mechanical Science, vol.4, no.4, pp.171-178, 2020 (Peer-Reviewed Journal)
- VI. **Numerical Investigations of Stall Development in a Transonic Axial Compressor Stage**  
Özkara M., Erçetin Ü., Döner N., Şen F.

BioNanoScience, vol.9, no.2, pp.461-473, 2019 (ESCI)

VII. **İS (SİYAH KARBON) TOPAKLANMALARINDA YAPISAL DURUMLARIN IŞINIM ÖZELLİKLERİNE ETKİLERİ**

Döner N.

Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, vol.22, no.1, pp.125, 2017 (Peer-Reviewed Journal)

VIII. **THERMAL PERFORMANCE OF CARBON NANOTUBE NANOFUIDS IN SOLAR MICROCHANNEL COLLECTORS: AN EXPERIMENTAL STUDY**

Ahlatli S., Mare T., Estelle P., Doner N.

INTERNATIONAL JOURNAL OF TECHNOLOGY, vol.7, no.2, pp.219-226, 2016 (ESCI)

IX. **Ticari Nükleer Santral Modellerinin Yakıt Masraflarına göre Elektrik Üretim Maliyetlerinin Değerlendirilmesi**

Döner N.

Eskişehir Osmangazi Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi, vol.17, no.2, pp.95-104, 2004 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Investigation of Laminar Co-flow Ethylene Flames in Air Combustion at Near-Infrared Wavelengths: Fundamental Case**  
Zhou Y., Döner N., Lou C., Li Z., Zhang Z.  
in: Advances in Computational Heat and Mass Transfer, Ali Cemal Benim, Rachid Bennacer, Abdulmajeed A. Mohamad, Paweł Ochoń, Sang-Ho Suh, Jan Taler, Editor, Springer-Verlag, Zürich, pp.192-204, 2024
- II. **Carbon-polymer hybrid-supported nanomaterials for alcohol fuel cells**  
Bayat R., Döner N., Şen F.  
in: Nanomaterials for Direct Alcohol Fuel Cells, Fatih SEN, Editor, Elsevier, Cambridge, pp.371-387, 2021
- III. **Catalysts for high-temperature fuel cells operated by alcohol fuels**  
Cherif A., Döner N., Şen F.  
in: Nanomaterials for Direct Alcohol Fuel Cells, Fatih SEN, Editor, Elsevier, Cambridge, pp.173-186, 2021
- IV. **Sayısal Analiz Uygulamaları**  
DÖNER N.  
Academia Yayınevi, Kütahya, 2016

## Refereed Congress / Symposium Publications in Proceedings

- I. **Effect of Fibre Orientation on the Electrical Resistance Changing Behaviour of Glass Fibre Reinforced Composites**  
Bekgöz M. H., Turan F., Kalayci N.  
25th International Conference on Advances in Materials & Processing Technologies AMPT2024, İstanbul, Turkey, 30 October - 01 November 2024, pp.1-6
- II. **Investigation of Laminar Co-flow Ethylene Flames in Air Combustion at Near-infrared Wavelengths: Fundamental Case**  
Zhou Y., Döner N., Lou C., Li Z., Zhang Z.  
14th International Conference on Computational Heat and Mass Transfer, Düsseldorf, Germany, 4 - 08 September 2023, vol.1, pp.192-204
- III. **Investigations of flame characteristics of LPG used in three different size household cookers**  
Şahin B., Döner N., İlbaş M.  
16th Combustion Symposium (INCOS2022), Aydın, Turkey, 8 - 11 September 2022, pp.1-10
- IV. **Investigation of Thermal Conductivity Properties of Greases Added Metallic Microparticles**  
Döner N., Sert Z., Şen F., Gökdemir G.

23. Uluslararası Katılımlı Isı Bilimi ve Tekniği Kongresi, Gaziantep, Turkey, 8 - 10 September 2021, pp.1-8
- V. **İs Topaklanmalarının Modellenmesi ve Işınım Analizi**  
Sütçü E., DÖNER N., Ercetin U., ŞEN F.  
22nd Congress on Thermal Science and Technology, Kocaeli, Turkey, 11 - 14 September 2019, vol.2, pp.1090-1100
- VI. **Numerical Simulations of The Heat Transfer on Liquid-cooled and Air-Cooled Computer Processors**  
ERÇETİN Ü., KEÇECİLER A., DÖNER N., ERBAŞ O.  
International Congress on Applied Science and Technology (ASTECH'xx2017), 17 - 20 April 2017
- VII. **Thermal performance of carbon nanotube nanofluids in solar microchannel collectors An experimental study**  
AHLATLI S., MARE T., ESTELLE P., DÖNER N.  
8th International Meeting on Advances in Thermofluids (IMAT), 2015, Jakarta, Indonesia, 11 - 12 November 2015
- VIII. **Experimental Investigation of PEM Fuel Cells Operating Parameters with Nafion 212 Membrane**  
GÜVENLİ M., DÖNER N., İÇİNGÜR Y.  
5th International Conference on Applied Energy ICAE 2013, Pretoria, South Africa, 1 - 04 July 2013
- IX. **Experimental Investigation of a Micro channel Heat Sink Performance Using Aqueous Carbon Nanotubes Based Nanofluid**  
Arslan A., Halelfadl S., Mare T., Patrice E., DÖNER N., Norma-M G.  
5th International Conference on Applied Energy ICAE 2013, Pretoria, South Africa, 1 - 04 July 2013
- X. **Bir Boyutlu Katılımcı Homojen Silindirik Ortamlarda Işınım Isı Transferinin SKN Yöntemi ile Hesaplanması**  
DÖNER N., ALTAÇ Z.  
15. Ulusal Isı Bilimi ve Tekniği Kongresi, Trabzon, Turkey, 7 - 09 September 2005, vol.1, pp.326-331
- XI. **Solution of The Radiative Transfer Problems in Two Dimensional Participating Cylindrical Medium with Isotropic Scattering Using the SKN Approximation**  
DÖNER N., ALTAÇ Z.  
9th International Conference on Advanced Computational Methods and Experimental Measurements in Heat and Mass Transfer, The New Forest, United Kingdom, 5 - 07 July 2006, pp.109-120
- XII. **The Synthetic Kernel SKN Method Applied to Radiative Transfer in Anisotropically Scattering and Participating One Dimensional Cylindrical Medium**  
DÖNER N., ALTAÇ Z.  
Eurotherm78-Computational Thermal Radiation in Participating Media II, Poitiers, France, 5 - 07 April 2006, pp.1-10
- XIII. **Solution of The Radiative Transfer Equation Using The Synthetic Kernel SKN Method in inhomogeneous Participating and Anisotropically Scattering One Dimensional Cylindrical Medium**  
DÖNER N., ALTAÇ Z.  
2nd International Conference on Thermal Engineering Theory and Applications, Al Ain, United Arab Emirates, 3 - 06 January 2006, pp.176-180
- XIV. **Application of the SKN Method to Two Dimensional Cylindrical Medium with Isotropic Scattering**  
DÖNER N., ALTAÇ Z.  
Fourth International Symposium on Radiative Heat Transfer, İstanbul, Turkey, 20 - 25 June 2004
- XV. **Çatalağzı Termik Santralinin TermoekonomikFonksiyonel Analizi**  
DÖNER N., Erbay L. B.  
11. Ulusal Isı Bilimi ve Tekniği Kongresi, Edirne, Turkey, 17 - 19 September 1997, vol.2, pp.726-735

## Supported Projects

- Döner N., Universities of Other Countries Supported Project, Low Carbon Technologies, 2023 - 2023
- Döner N., Şen F., Project Supported by Higher Education Institutions, Isıl Güce Dayalı Yenilenebilir Enerji Sistemi Geliştirilmesi (TGES), 2020 - 2022
- DÖNER N., Project Supported by Higher Education Institutions, Türkiye'de Belli Bölgelerdeki Havadan Alınan İs

Topaklanmalarının Yapısal ve Işınım Özelliklerinin İncelenmesi, 2018 - 2019

Liu F., Döner N., TUBITAK Project, Investigations of morphology and radiative properties of soot aggregates, 2015 - 2015

DÖNER N., Project Supported by Higher Education Institutions, Mikro kanallı kolektör kullanılarak karbon nanotüplü nanoakışkanların ışınımsal özelliklerinin tespit edilmesi ve güneş kolektörünün verim analizi, 2012 - 2014

DÖNER N., Project Supported by Higher Education Institutions, Farklı Malzemeler Kullanılarak Polimer Elektrolit Membran Yakıt Pili Yapımı Parametrik Olarak İncelenmesi ve Maliyet analizi, 2009 - 2012

## Activities in Scientific Journals

Mühendis ve Makina, Advisory Committee Member, 2021 - Continues

## Memberships / Tasks in Scientific Organizations

Turkish Society of thermal Sciences and Technology, Member, 1995 - Continues, Turkey

## Scientific Refereeing

TUBITAK Project, 2247 - A National Leading Researchers Program, Gazi University, Turkey, August 2024

ENERGY JOURNAL, Journal Indexed in SCI-E, May 2024

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, Journal Indexed in SCI-E, October 2023

PROCEEDINGS OF THE INSTITUTION OF CIVIL ENGINEERS: ENGINEERING SUSTAINABILITY, Journal Indexed in ESCI, September 2022

Eskişehir Osmangazi Üniversitesi mühendislik ve mimarlık fakültesi dergisi (online), National Scientific Refreed Journal, July 2022

Project Supported by Higher Education Institutions, BAP Research Project, Gazi University, Turkey, July 2022

ENTROPY, Journal Indexed in SCI-E, June 2022

Journal of Thermal Engineering, Journal Indexed in ESCI, May 2022

TÜBİTAK International Bilateral Joint Cooperation Program Project, The Slovenian Research Agency, ARRS Bilateral Joint Cooperation Program, Gazi University, Turkey, May 2022

CHEMICAL ENGINEERING RESEARCH & DESIGN, SCI Journal, April 2022

PROCEEDINGS OF INSTITUTION OF CIVIL ENGINEERS: ENERGY, SCI Journal, March 2022

Journal of scientific reports-A (Online), National Scientific Refreed Journal, September 2021

Journal of Thermal Engineering, Journal Indexed in ESCI, September 2021

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Gazi University, Turkey, May 2021

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, TUBITAK, Turkey, May 2021

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, TUBITAK, Turkey, May 2021

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, TUBITAK, Turkey, May 2021

International Journal of Thermodynamics, Journal Indexed in ESCI, April 2021

JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER, SCI Journal, October 2020

Journal of Thermal Engineering, Journal Indexed in ESCI, May 2020

JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY, Journal Indexed in SCI-E, May 2020

HELIYON, Journal Indexed in SCI-E, January 2020



Thermal Science and Engineering Process, Other Indexed Journal, December 2019  
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, Journal Indexed in SCI-E, June 2019  
FUEL, SCI Journal, May 2019  
JOURNAL OF THERMAL ENGINEERING, Journal Indexed in ESCI, December 2018  
JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER, SCI Journal, August 2018  
APPLIED MATHEMATICAL MODELLING, SCI Journal, March 2018  
ENERGY & FUELS, SCI Journal, December 2017  
INTERNATIONAL JOURNAL OF REFRIGERATION-REVUE INTERNATIONALE DU FROID, SCI Journal, August 2017  
PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES, SCI Journal, October 2016  
INTERNATIONAL JOURNAL OF THERMAL SCIENCES, SCI Journal, May 2014  
INTERNATIONAL JOURNAL OF THERMAL SCIENCES, SCI Journal, October 2013  
HEAT AND MASS TRANSFER, Journal Indexed in SCI-E, September 2009  
Eskişehir Osmangazi Üniversitesi mühendislik ve mimarlık fakültesi dergisi (online), National Scientific Refreed Journal, September 2005

## Scientific Consultations

TUBITAK, Scientific Consultancy, Gazi University, Mühendislik Fakültesi, Makina Mühendisliği, Turkey, 2023 - Continues

## Tasks In Event Organizations

Döner N., DİNLER N., 23rd Congress on Thermal Science and Technology (ULIBTK 2021) September 8-10, 2021, Scientific Congress, Gaziantep, Turkey, Eylül 2021

## Metrics

Publication: 58  
Citation (WoS): 754  
Citation (Scopus): 754  
H-Index (WoS): 10  
H-Index (Scopus): 10

## Congress and Symposium Activities

14. International Conference on Computational Heat and Mass Transfer ICCHMT 2023 4-8 September 2023, Düsseldorf, Germany, Session Moderator, Düsseldorf, Germany, 2023  
23rd Congress on Thermal Science and Technology (ULIBTK 2021), Session Moderator, Gaziantep, Turkey, 2021

## Scholarships

2219 International Postdoctoral Research Fellowship Program for Turkish Citizens, TUBITAK, 2015 - 2015  
Araştırma Bursu, YOK, 2011 - 2012

## Awards

Sutcu E., Döner N., Liu F., Şen F., Erçetin Ü., Yon J., Moran J., Fuentes A., UBYT-Incentive Program, Tubitak, November

2020

Ahlath S., Mare T., Estelle P., Döner N., Best Paper, 8Th International Meeting On Advances In Thermofluids (Imat), 2015, November 2015

### **Non Academic Experience**

State Agency, National Research Council of Canada, Measurement Science and Standards