

## Assoc. Prof. MUSTAFA MUTLU

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AAH-6309-2021

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### Education Information

Doctorate, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Makine Mühendisliği (Dr), Turkey 2009 - 2015

Postgraduate, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Makine Mühendisliği (YI) (Tezli), Turkey 2007 - 2009

Undergraduate, Bursa Uludağ University, Mühendislik-Mimarlık Fakültesi, Makine Mühendisliği Bölümü, Turkey 2005 - 2007

Undergraduate, Celâl Bayar Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, Turkey 2003 - 2005

### Foreign Languages

English, C1 Advanced

### Research Areas

Energy

### Academic Titles / Tasks

Lecturer, Bursa Uludağ University, YENİŞEHİR İBRAHİM ORHAN MYO, ELEKTRİK VE ENERJİ, 2017 - Continues

Research Assistant, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, MAKİNA MÜHENDİSLİĞİ, 2009 - 2015

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

- A review of relevant parameters for assessing indoor air quality in educational facilities**  
Branco P. T., Sousa S. I., Dudzińska M. R., Ruzgar D. G., Mutlu M., Panaras G., Papadopoulos G., Saffell J., Scutaru A. M., Struck C., et al.  
Environmental Research, vol.261, 2024 (SCI-Expanded)
- Numerical Simulation and Analytical Evaluation of the Collection Efficiency of the Particles in a Gas by the Wire-Plate Electrostatic Precipitators**

Kılıç M., Mutlu M., Altun A. F.

APPLIED SCIENCES-BASEL, vol.12, no.13, 2022 (SCI-Expanded)

- III. **Numerical investigation of an air cleaning device performance**  
Kılıç M., Mutlu M., Saldamli I. H.  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.37, no.4, pp.2077-2089, 2022 (SCI-Expanded)
- IV. **Particle Concentration Comparison of Radiator and Floor Heating Systems under Zero Air Change Rate Condition**  
Mutlu M.  
AEROSOL AND AIR QUALITY RESEARCH, vol.21, no.11, 2021 (SCI-Expanded)
- V. **Numerical investigation of indoor air quality in a floor heated room with different air change rates**  
MUTLU M.  
BUILDING SIMULATION, vol.13, no.5, pp.1063-1075, 2020 (SCI-Expanded)
- VI. **Evaluation of windshield defogging process in an automobile**  
Mutlu M., Sevilgen G., Kılıç M.  
INTERNATIONAL JOURNAL OF VEHICLE DESIGN, vol.71, pp.103-121, 2016 (SCI-Expanded)
- VII. **THREE-DIMENSIONAL CONJUGATE NUMERICAL ANALYSIS OF FIN AND TUBE HEAT EXCHANGERS WITH VARIOUS FIN THERMAL CONDUCTIVITY VALUES AND GEOMETRIC PARAMETERS**  
Mutlu M., Kılıç M.  
ISI BILIMI VE TEKNIGI DERGISI-JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY, vol.36, pp.85-98, 2016 (SCI-Expanded)
- VIII. **EFFECTS OF PISTON SPEED, COMPRESSION RATIO, AND CYLINDER GEOMETRY ON SYSTEM PERFORMANCE OF A LIQUID PISTON**  
Mutlu M., Kılıç M.  
THERMAL SCIENCE, vol.20, pp.1953-1961, 2016 (SCI-Expanded)

## Articles Published in Other Journals

- I. **DYNAMIC MODELLING OF HEATING COSTS OF AN AIR CONDITIONER IN THREE DIFFERENT CLIMATE REGIONS IN TURKEY**  
MUTLU M.  
European Journal of Technique, vol.8, no.1, pp.50-62, 2020 (Peer-Reviewed Journal)
- II. **Experimental and theoretical analysis of an infra red heated stress relieving oven**  
Mutlu M., Kılıç M.  
Uludağ University Journal of The Faculty of Engineering, vol.21, no.1, pp.99-110, 2016 (Peer-Reviewed Journal)
- III. **Bina Duvarlarına Uygulanan Isıl Yalıtım Kalınlığının Enerji Maliyeti Odaklı Optimizasyonu**  
KAYNAKLI Ö., MUTLU M., KILIÇ M.  
Tesisat Mühendisliği, no.156, pp.48-54, 2011 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Three-Dimensional Numerical Analysis of Thermal Output of a Steel Panel Radiator**  
KILIÇ M., SEVİLGEN G., MUTLU M.  
in: Progress in Exergy, Energy, and the Environment, Dinçer, İ., Midilli, A. and Küçük, A., Editor, Springer, pp.585-593, 2014
- II. **Investigation of Humidity Effects on the Thermal Comfort and Heat Balance of the Body**  
KAYNAKLI Ö., MUTLU M., ATMACA İ., KILIÇ M.  
in: Progress in Exergy, Energy and the Environment, İbrahim Dinçer, Adnan Midilli, Haydar Küçük, Editor, Springer International Publishing, pp.421-434, 2014

- III. **Investigation of Humidity Effects on the Thermal Comfort and Heat Balance of the Body**  
KAYNAKLI Ö., MUTLU M., ATMACA İ., KILIÇ M.  
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- IV. **Three Dimensional Numerical Analysis of Thermal Output of a Steel Panel Radiator**  
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- V. **Three-Dimensional Numerical Analysis of Thermal Output of a Steel Panel Radiator**  
Kılıç M., Sevilgen G., Mutlu M.  
in: Progress in Exergy Energy and the Environment, Dincer,İbrahim,Midilli,Adnan,Kucuk,Haydar, Editor, Springer-Verlag , Basel, pp.585-593, 2014
- VI. **Mathematical modeling of a small scale compressed air energy storage system**  
KILIÇ M., KAMIŞ KOCABIÇAK Z., ERZAN TOPÇU E., MUTLU M.  
in: Progress in Exergy Energy and the EnvironmentPart II, , Editor, Springer International Publishing Switzerland, pp.477-486, 2014
- VII. **Mathematical Modeling of a Small Scale Compressed Air Energy Storage System.**  
Kılıç M., Kamiş Kocabiçak Z., Erzan Topçu E., Mutlu M.  
in: Progress in Exergy, Energy, and the Environment, Dinçer,İ.,Midilli,A. and Küçük,A., Editor, Springer, London/Berlin , Basel, pp.477-434, 2014

## Refereed Congress / Symposium Publications in Proceedings

- I. **EXPERIMENTAL EVALUATION OF CIGARETTE SMOKE REMOVAL PERFORMANCE OF VARIOUS INDOOR AIR CLEANING DEVICES**  
KILIÇ M., MUTLU M., ALTUN A. F.  
15th International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics (ATE-HEFAT 2021), South Africa, 26 - 28 July 2021, pp.875-878
- II. **NUMERICAL SIMULATION ON THE COLLECTION EFFICIENCY OF THE PARTICLES IN THE AIR BY THE WIRE-PLATEELECTROSTATIC PRECIPITATORS**  
Kılıç M., Mutlu M., Altun A. F.  
15th International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics (ATE-HEFAT 2021), Johannesburg, South Africa, 26 - 28 July 2021, pp.1672-1676
- III. **Bursa İlindeki Bir Konutun Isıtılmasında Klima Sistemlerinin Kullanılmasının İncelenmesi**  
MUTLU M., ÇALIŞKAN E.  
13. Ulusal Tesisat Mühendisliği Kongresi, Turkey, 19 - 22 April 2018, vol.1, pp.783-794
- IV. **Suggestion of an Indicator to evaluate material deposition in resistance spot welding weld surface interaction**  
Kinagu M., Erhuy C. G., Gökçe M., MUTLU M., Ateş F., UZUNSOY D.  
Euromat 2017, 17 - 22 September 2017
- V. **KARŞIT AKIŞLI VORTEKS TÜPÜ SOĞUTMA PERFORMANSINA ETKİ EDEN PARAMETRELERİNHAD YÖNTEMİ KULLANILARAK İNCELENMESİ**  
KINAGU H. M., MUTLU M., GÖKÇEDAĞLIOĞLU M., KORUKÇU M. Ö.  
13.ULUSAL TESİSAT MÜHENDİSLİĞİ KONGRESİ, İzmir, Turkey, 19 - 22 April 2017, vol.1, pp.1083-1094
- VI. **FOTOVOLTAİK SİSTEMLERİN EKONOMİK ANALİZİ: TÜRKİYE'DEKİ BİR MÜSTAKİL KONUT ÖRNEĞİ**  
MUTLU M., KILIÇ M.  
3. Anadolu Enerji Sempozyumu, Turkey, 1 - 03 October 2015, vol.1, pp.284-291
- VII. **SIVI PİSTON İLE HAVA SIKIŞTIRMA VE GENİŞLEME SÜRECİNİN MATEMATİKSEL MODELLENMESİ**  
MUTLU M., KILIÇ M.  
20. Ulusal Isı Bilimi ve Tekniği Kongresi, Turkey, 2 - 05 September 2015, pp.674-681

**VIII. MATHEMATICAL MODELING OF A SMALL SCALE COMPRESSED AIR ENERGY STORAGE SYSTEM**

KILIÇ M., KAMIŞ KOCABIÇAK Z., ERZAN TOPÇU E., Mutlu M.

The Sixth International Exergy, Energy and Environment Symposium, Rize, Turkey, 1 - 04 July 2013, pp.1063-1072

**IX. Fotovoltaik Sistemler için Depolama Sistemlerinin Karşılaştırılması**

MUTLU M., KILIÇ M.

2.Anadolu Sempozyumu, France, 01 May 2013

**X. Sıkıştırılmış Hava İle Elektrik Enerjisi Depolama Sistemi**

KILIÇ M., KAMIŞ KOCABIÇAK Z., ERZAN TOPÇU E., MUTLU M., ÖZCAN F.

Uludağ Üniversitesi II. Bilgilendirme ve Ar-Ge Günleri, Bursa, Turkey, 13 - 15 November 2012

**XI. Soğutma Sürecinde Otomobil Kabini İçerisindeki İç Hava Kalitesinin İncelenmesi**

Korukçu M. Ö., Mutlu M., Kılıç M.

6. Otomotiv Teknolojileri Kongresi, Bursa, Turkey, 4 - 05 June 2012, pp.1-6

## **Metrics**

Publication: 33

Citation (WoS): 36

Citation (Scopus): 37

H-Index (WoS): 4

H-Index (Scopus): 4