

## Assoc. Prof. MUSTAFA MUTLU

### Personal Information

Office Phone: [+90 545 667 5025](tel:+905456675025)

Email: [mustafamutlu@uludag.edu.tr](mailto:mustafamutlu@uludag.edu.tr)

Web: <https://avesis.uludag.edu.tr/mustafamutlu>

### International Researcher IDs

ScholarID: YnKLLWYAAAAJ

ORCID: 0000-0001-6816-8377

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

ScopusID: 56998409300

Yoksis Researcher ID: 155487

### 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

- Numerical Simulation and Analytical Evaluation of the Collection Efficiency of the Particles in a Gas by the Wire-Plate Electrostatic Precipitators**  
Kilic M., Mutlu M., Altun A. F.  
APPLIED SCIENCES, vol.12, no.6401, pp.1-19, 2022 (SCI-Expanded)
- 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)

- III. **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)
- IV. **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)
- V. **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)
- VI. **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)
- VII. **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.  
in: Progress in Exergy, Energy, and the Environment, Dinçer, İ., Midilli, A. and Küçük, A., Editor, Springer, pp.421-434, 2014

- IV. **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, İbrahim Dinçer, Adnan Midilli, Haydar Küçük, Editor, Springer International Publishing, pp.585-593, 2014
- 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., Kamaş 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., Çalıřkan E.  
13. Ulusal Tesisat Mühendislięi 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 Teknięi 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: 32

Citation (WoS): 32

Citation (Scopus): 32

H-Index (WoS): 4

H-Index (Scopus): 4