

Hüseyin KAYA

Arş. Gör.

Makine Mühendisliği

Bartın Üniversitesi

Tel.: 0378 501 10 00; E-posta: hkaya@personel.bartın.edu.tr

EĞİTİM BİLGİLERİ:

Doktora: (Devam ediyor) Makine Mühendisliği, Karabük Üniversitesi, Karabük, TÜRKİYE.

Yüksek Lisans: (2014) Makine Mühendisliği, Karabük Üniversitesi, Karabük, TÜRKİYE.

Lisans: (2011) Makine Mühendisliği, Gazi Üniversitesi, Ankara, TÜRKİYE.

ÜNVAN:

2012- Araştırma Görevlisi Makine Mühendisliği, Bartın Üniversitesi, Bartın, Türkiye.

YAYINLANMIŞ MAKALELER (SCI indeks):

1. **Kaya, H.**, Arslan, K, Eltugral, N. (2018). "Experimental Investigation of Thermal Performance of an Evacuated U-Tube Solar Collector with ZnO/Ethylene Glycol-Pure Water Nanofluids." *Renewable Energy* 122: 329-338.
2. **Kaya, H.**, Gunver, F., Kırmacı, V. (2018). "Experimental Investigation of Thermal Performance of Parallel Connected Vortex Tubes with Various Nozzle Materials." *Applied Thermal Engineering*, 136: 287-292.
3. Kırmacı, V., **Kaya, H.**, Topcuoğlu, U. (2018). "An experimental and exergy analysis of a thermal performance of a counter flow ranque-hilsch vortex tube with different nozzle materials." *International Journal of Refrigeration*, 85: 240-254.
4. **Kaya, H.**, Gunver, F., Uluer, O., Kırmacı, V. (2018). "Experimental Study about Performance Analysis of Parallel Connected Ranquee-Hilsch Counter Flow Vortex Tubes with Different Nozzle Numbers and Materials." *Journal of Heat Transfer*,
5. **Kaya, H.**, Kırmacı, V. (2018). "Effects of working fluid, nozzle number, nozzle material and connection type on thermal performance of a Ranque–Hilsch vortex tube: A review" *International Journal of Refrigeration*, 91: 254-266
6. **Kaya, H.**, Arslan, K. (2018). "Numerical investigation of efficiency and economic analysis of an evacuated U-tube solar collector with different nanofluids" *Heat and Mass Transfer* (accepted).
7. **Kaya, H.**, Ekiciler, R., Arslan, K. (2018). "Entropy generation analysis of forced convection flow in a semi-circular shaped microchannel with TiO₂/water nanofluid" *Heat Transfer Research* (accepted).
8. **Kaya, H.**, Ekiciler, R., Arslan, K. (2019). "CFD Analysis of Laminar Forced Convective Heat Transfer for TiO₂/Water Nanofluid in a Semi-Circular Cross-Sectioned Micro-Channel" *Journal of Thermal Engineering* (accepted).

YAYINLANMIŞ ULUSAL MAKALELER:

1. Kırmacı, V., Gülsevinçler, E., **Kaya, H.** (2017) “Determination of Freeze Drying Behaviors for Various Thicknesses of Apples by Using Taguchi Method” Nevşehir Science and Technology Journal 6: 529-540.

YAYINLANMIŞ KONFERANS MAKALELERİ:

1. Kırmacı, V., **Kaya, H.**, Gunver, F. (2018). “Tek Ve Seri Bağlı Karşıt Akışlı Ranque-Hilsch Vorteks Tüp Performansının Deneysel Olarak İncelenmesi” The Internatinonal Conference on Materials Science, Mechanical and Automotive Engineerings and Technology, İzmir, TÜRKİYE.
2. **Kaya, H.**, Arslan K. (2018). “A Brief Review For Thermal Performance of Solar Collectors Using Nanofluids” The Internatinonal Conference on Materials Science, Mechanical and Automotive Engineerings and Technology, İzmir, TÜRKİYE.
3. Kırmacı, V., **Kaya, H.**, Gunver, F. (2018). “Akışkan Olarak Oksijen Kullanılan Tek Ve Seri Bağlı Karşıt Akışlı Ranque-Hilsch Vorteks Tüp Sisteminin Performansının Deneysel Olarak Karşılaştırılması” The Internatinonal Conference on Materials Science, Mechanical and Automotive Engineerings and Technology, İzmir, TÜRKİYE.
4. Kırmacı, V., **Kaya, H.**, Gunver, F. (2018). “Akışkan Olarak Oksijen Kullanılan Paralel Bağlı Karşıt Akışlı Ranque-Hilsch Vorteks Tüp Sisteminin Performansının Deneysel İncelenmesi” The Internatinonal Conference on Materials Science, Mechanical and Automotive Engineerings and Technology, İzmir, TÜRKİYE.
5. Kırmacı, V., **Kaya, H.**, Eren, H., Gunver, F., (2018). “Comparison Of Performances Of Parallel And Serial Connected Counter Flow Ranque-Hilsch Vortex Tubes System Experimentally” 2nd International Conference on Engineering Technology and Innovation, Budapeşte, MACARİSTAN.
6. Kırmacı, V., **Kaya, H.**, Topcuoğlu, U. (2017). “Seri Bağlı Karşıt Akışlı Ranque-Hilsch Vorteks Tüpün Isıtma–Soğutma Sıcaklık Performansının Deneysel Olarak İncelenmesi” 1. Uluslararası Türk Dünyası Mühendislik ve Fen Bilimleri Kongresi, Antalya, TÜRKİYE.
7. **Kaya, H.**, Kırmacı, V. (2017). “Toprak Destekli Isı Pompasının Karabük İlinde Kullanılabilirliğinin Teorik Olarak İncelenmesi” 1. Uluslararası Türk Dünyası Mühendislik ve Fen Bilimleri Kongresi, Antalya, TÜRKİYE
8. Kırmacı, V., **Kaya, H.**, Gunver, F. (2017). “An Investigation Performance Analysis Of Parallel Connected Two Counter Flow Ranque-Hilsch Vortex Tubes With Made Of Bronzed Teflon

And Steel Nozzles” 2nd International Conference on Material Science and Technology in Cappadocia, Nevşehir, TÜRKİYE

9. Kırmacı, V., **Kaya, H.**, Gunver, F. (2017). “An Experimental Performance Analysis Of Two Parallel Connected Counter Flow Ranque-Hilsch Vortex Tubes System With Nozzles Made Of Polyamide And Brass Using Oxygen As A Working Fluid” 2nd International Conference on Material Science and Technology in Cappadocia, Nevşehir, TÜRKİYE.
10. **Kaya, H.**, Arslan, K. (2017). “Thermal Performance of an Evacuated U-Tube Solar Collector Using TiO₂/EG-Water Nanofluid” 1st International Energy Systems Symposium, Karabük, TÜRKİYE.
11. Kırmacı, V., **Kaya, H.**, Gunver, F. (2017). “Paralel Bağlı Karşıt Akışlı Ranque-Hilsch Vorteks Tüplerde Farklı Sayı Ve Malzemelerdeki Nozulların Enerji-Ekserji Analizlerinin İncelenmesi” 1. Uluslararası Türk Dünyası Mühendislik ve Fen Bilimleri Kongresi, Antalya, TÜRKİYE
12. **Kaya, H.**, Arslan, K. (2016). “Numerical investigation on convective heat transfer characteristics of different types of nanofluids flowing in a semi-circular cross-sectioned microchannel” 13th International Conference on Flow Dynamics, Sendai, JAPONYA.
13. **Kaya, H.**, Arslan, K. (2015). “CFD Analysis of Forced Convection Flow and Heat Transfer in Semi-Circular Cross-Sectioned Micro-Channel” 3rd International Symposium on Innovative Technologies in Engineering and Science, Valencia, SPAIN.
14. **Kaya, H.**, Özkaymak, M., Arcaklıoğlu, E. (2014). “Soğutucu Akışkan Karışımlarının Kullanıldığı Soğutma Sistemlerinin Termoekonomik Optimizasyonu” 2nd International Symposium on Innovative Technologies in Engineering and Science, Karabük, TÜRKİYE

ARAŞTIRMA PROJELERİ:

1. Araştırmacı, ZnO/Etilen Glikol-Saf su Nanoakışkan Kullanılan Vakum Tüplü Güneş Kollektörünün Veriminin Deneysel Araştırılması, (Karabük Üniversitesi – TL 30,000), 2016-2018
2. Araştırmacı, ZnO/Etilen glikol-Saf su Nanoakışkan Karakterizasyonu, (Karabük Üniversitesi – TL 5000), 2018-devam ediyor.