

Res. Asst. OĞUZ KAAAN YAĞCI

Personal Information

Office Phone: [+90 462 377 2919](tel:+904623772919)

Email: o.kaanyagci@ktu.edu.tr

Web: <https://avesis.ktu.edu.tr/o.kaanyagci>

Address: Karadeniz Teknik Üniversitesi Makina Mühendisliği Bölümü Oda:113 61080 Ortahisar/Trabzon Türkiye

International Researcher IDs

ScholarID: w3a4zc4AAAAJ

ORCID: 0000-0002-4132-7734

Publons / Web Of Science ResearcherID: AAK-2920-2021

ScopusID: 57209280006

Yoksis Researcher ID: 223034

Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Makina Mühendisliği Anabilim Dalı, Turkey 2017 - Continues

Postgraduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Makine Mühendisliği Anabilim Dalı, Turkey 2014 - 2017

Undergraduate, Selcuk University, Faculty Of Engineering, Department Of Mechanical Engineering, Turkey 2009 - 2013

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Postgraduate, DÜŞEY SİLİNDİRİK BİR HALKA ARALIK İÇERİSİNDE ENERJİ DEPOLAMA: KANATÇIK ETKİSİ, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Makina Mühendisliği Anabilim Dalı, 2017

Research Areas

Mechanical Engineering, Energy, Fluid Mechanics, Alternative Energy Resources, Solar energy, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Karadeniz Technical University, Mühendislik Fakültesi, Makine Mühendisliği, 2014 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Laminar flow and convective heat transfer of ferrofluid in a tube under oscillating magnetic fields: Effect of magnetic phase shift**
Yağcı E., Yağcı O. K., Bali T., Aydın O.
EXPERIMENTAL THERMAL AND FLUID SCIENCE, vol.159, 2024 (SCI-Expanded)
- II. **An experimental study on the performance of PCM-based heat sink with air for thermal regulation of PVs**
YAĞCI O. K., AVCI M., AYDIN O., MARKAL B.
SOLAR ENERGY, vol.278, 2024 (SCI-Expanded)
- III. **Melting and solidification of PCM in a tube-in-shell unit: Effect of fin edge lengths' ratio**
YAĞCI O. K., Avci M., AYDIN O.
JOURNAL OF ENERGY STORAGE, vol.24, 2019 (SCI-Expanded)

Papers Published in Refereed Scientific Meetings

- I. **Laminar flow and heat transfer of magnetic nanofluid in a cylindrical tube under constant magnetic fields**
Yağcı E., Yağcı O. K., Bali T., Aydın O.
18th International Nanoscience and Nanotechnology Conference, İstanbul, Turkey, 26 - 28 August 2024, no.14, pp.58
- II. **Enhancing Photovoltaic Panel Efficiency Using Ferrofluid-Based Cooling: An Experimental Study**
Yağcı O. K., Yağcı E., Avci M., Aydın O.
18th International Nanoscience and Nanotechnology Conference, İstanbul, Turkey, 26 - 28 August 2024, no.123, pp.52
- III. **FOTOVOLTAİK PANELLERİN FAZ DEĞİŞTİREN MADDE DESTEKLİ ISI ALICISIYLA SOĞUTULMASI**
YAĞCI O. K., AVCI M., AYDIN O., MARKAL B.
15. ULUSAL TESİSAT MÜHENDİSLİĞİ KONGRESİ, İzmir, Turkey, 26 - 29 April 2023, pp.1502-1516
- IV. **FOTOVOLTAİK PANELLERİN SUYA DALDIRMA METODU İLE SOĞUTULMALARI**
Yağcı O. K.
Uluslararası Katılımlı 23. Isı Bilimi ve Tekniği Kongresi, 08-10 Eylül 2021, GAZİANTEP, Gaziantep, Turkey, 8 - 10 September 2021, vol.2, pp.1912-1919
- V. **Düşey Eksenli Silindirik Bir Aralık İçerisinde Faz Değiştiren Madde İle Gizli Isı Depolama**
YAĞCI O. K., AVCI M., AYDIN O.
21. Ulusal Isı Bilimi ve Tekniği Kongresi, Çorum, Turkey, 13 - 16 September 2017, pp.1363-1377

Supported Projects

Yağcı O. K., Markal B., Aydın O., TUBITAK Project, Cooling of Photovoltaic Panels Via Air and PCM Based Systems, 2021 - 2023

Metrics

Publication: 8

Citation (WoS): 98

Citation (Scopus): 104

H-Index (WoS): 1

H-Index (Scopus): 2