

Res. Asst. MURAT CAN ÖNEN



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International Researcher IDs

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Publons / Web Of Science ResearcherID: [AIA-6253-2022](https://publons.com/author/1111111111/AIA-6253-2022)

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Education Information

Doctorate, Kocaeli University, Mühendislik Fakültesi, Makina Mühendisliği, Turkey 2022 - Continues

Postgraduate, Sakarya University, Institute Of Science, Mechanical Engineering , Turkey 2019 - 2022

Undergraduate, Sakarya University, Faculty Of Engineering, Department Of Mechanical Engineering, Turkey 2015 - 2019

Biography

He graduated from Sakarya University Mechanical Engineering Department in June 2019 with the top-scoring student award in the department. He studied on CFD analysis of non-Newtonian fluids during his graduate education, which he started at Sakarya University in 2019. He worked in the R&D department of Basak Tractor as a Drive-train design and analysis engineer between 2020-2021, and started to work at Kocaeli University as a research assistant since March-2021.

Foreign Languages

English, C1 Advanced

Dissertations

Postgraduate, Performing CFD Analysis Of Non-Newtonian MR Fluid Flow With Generalized UPWIND and TVD Schemes, Sakarya University, Institute Of Science, Mechanical Engineering, 2022

Research Areas

Energy, Fluid Mechanics, Fluid Machinery, Thermodynamics, Heat and Mass Transfer, Computational fluid dynamics, Thermal Systems

Academic Titles / Tasks

Research Assistant, Kocaeli University, Mühendislik Fakültesi, Makina Mühendisliği, 2021 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Investigation of a non-Newtonian MR fluid flow between parallel plates by developed CFD code for different numerical schemes**
Önen M. C., Parlak Z.
SMART MATERIALS AND STRUCTURES, vol.0, no.0, 2022 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Enhancing natural convection through mechanical vibration: Eccentric rotation of square cavity**
Önen M. C., Arıcı M.
Fourteen International Conference on Thermal Engineering: Theory and Applications, Yalova, Turkey, 25 - 27 May 2023, vol.1, no.1
- II. **Modelling laminar non-newtonian fluid flow between parallel plates by a developed cfd code**
Önen M. C., Parlak Z.
8. ULUSLARARASI MÜHENDİSLİK MİMARLIK VE TASARIM KONGRESİ, İstanbul, Turkey, 6 - 07 December 2021, vol.8, pp.522-532

Supported Projects

Arıcı M., Yıldız Ç., TUBITAK Project, Ultrasonik Titreşimin Bir Gizli Isı Depolama Ünitesinde Yer Alan Faz Değiştiren Malzemenin Şarj ve Deşarj Süreçleri Üzerine Etkisinin Deneysel Olarak Araştırılması, 2023 - 2024

Metrics

Publication: 3

Awards

Önen M. C., Graduate ranking first in department (CGPA : 3.65/4), Sakarya Üniversitesi, June 2019

Non Academic Experience

Business Establishment Private, Başak Traktör, R&D / Drive-Train
Başak Traktör