

## Asst. Prof. AYŞE NUR ALTUNKAYA

### Personal Information

**Office Phone:** [+90 464 223 7518](tel:+904642237518) Extension: 1202

**Email:** [aysenur.altunkaya@erdogan.edu.tr](mailto:aysenur.altunkaya@erdogan.edu.tr)

**Web:** <https://avesis.erdogan.edu.tr/aysenur.altunkaya>

### International Researcher IDs

ScholarID: 0gE3u9cAAAAJ

ORCID: 0000-0003-0643-921X

Publons / Web Of Science ResearcherID: KCZ-0211-2024

ScopusID: 57193878052

Yoksis Researcher ID: 299701

### Education Information

Doctorate, Karadeniz Technical University, Mühendislik Fakültesi, Makine Mühendisliği, Turkey 2017 - 2023

Postgraduate, Karadeniz Technical University, Mühendislik Fakültesi, Makine Mühendisliği, Turkey 2014 - 2017

Undergraduate, Yıldız Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Mathematics Engineering, Turkey 2007 - 2012

### Dissertations

Doctorate, Atımlı newtonumsu olmayan akışkan akışının hidrodinamik ve ısı incelenmesi, Karadeniz Technical University, Fen Bilimleri Enstitüsü, 2023

Postgraduate, MİKROKANALLARDA KARMA TAŞINIM: VİSKOZ YAYILIM ETKİSİ, Karadeniz Technical University, Mühendislik Fakültesi, Makine Mühendisliği, 2017

### Research Areas

Mechanical Engineering, Thermodynamics, Heat and Mass Transfer, Engineering and Technology

### Academic Titles / Tasks

Assistant Professor, Recep Tayyip Erdogan University, Mühendislik Ve Mimarlık Fakültesi, Makine Mühendisliği, 2024 - Continues

Research Assistant, Recep Tayyip Erdogan University, MÜHENDİSLİK VE MİMARLIK FAKÜLTESİ, MAKİNE MÜHENDİSLİĞİ, 2019 - 2024

### Academic and Administrative Experience

Deputy Head of Department, Recep Tayyip Erdogan University, Mühendislik Ve Mimarlık Fakültesi, Makine Mühendisliği, 2024 - 2024

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

- I. **Pulsating non-Newtonian heat and fluid flow in a concentric annular duct: An analysis using perturbation series method**  
ALTUNKAYA A. N., AYDIN O., AVCI M.  
International Communications in Heat and Mass Transfer, vol.154, 2024 (SCI-Expanded)
- II. **Pulsating flow and heat transfer of power-law fluid in a circular pipe**  
Altunkaya A. N., Aydın O., Avci M.  
NONLINEAR ANALYSIS-MODELLING AND CONTROL, vol.28, no.1, pp.56-73, 2023 (SCI-Expanded)
- III. **Effects of viscous dissipation on mixed convection in a vertical parallel-plate microchannel with asymmetric uniform wall heat fluxes: The slip regime**  
Altunkaya A. N., Avci M., Aydın O.  
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, vol.111, pp.495-499, 2017 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Non-Newtonian laminar pulsating heat and fluid flow in plane duct**  
Altunkaya A. N., Aydın O., Avci M.  
Heat Transfer, vol.53, no.2, pp.805-825, 2024 (ESCI)

## Refereed Congress / Symposium Publications in Proceedings

- I. **KATI VE SIVILARIN ÖZGÜL ISILARININ BELİRLENMESİNE YÖNELİK DENEY SİSTEMİ TASARIM VE İMALATI**  
Sandıkçı M., Altunkaya A. N., Avci M.  
12. ULUSLARARASI MÜHENDİSLİK MİMARLIK VE TASARIM KONGRESİ, İstanbul, Turkey, 23 - 25 December 2023, pp.935-943
- II. **MIXED CONVECTION IN A VERTICAL PARALLEL-PLATE MICROCHANNEL WITH VISCOUS DISSIPATION EFFECT**  
Altunkaya A. N., Avci M., Aydın O.  
Proceedings of the 5th International Anatolian Energy Symposium, Trabzon, Turkey, 24 - 25 March 2021, pp.57-68
- III. **INVESTIGATION OF MIXED CONVECTION IN A VERTICAL MICROANNULUS: VISCOUS DISSIPATION EFFECT**  
ALTUNKAYA A. N., AVCI M., AYDIN O.  
International Symposium on Thermal Effects in Gas flows in Microscale, Karlsruhe, Germany, 24 - 25 October 2019, pp.1-12
- IV. **MIXED CONVECTION IN A UNIFORMLY HEATED VERTICAL MICROTUBE WITH VISCOUS DISSIPATION EFFECT**  
ALTUNKAYA A. N., AVCI M., AYDIN O.  
22nd Congress on Thermal Science and Technology, Kocaeli, Turkey, 11 - 14 September 2019, vol.1, pp.861-868
- V. **İki Düşey Levha Arasındaki Couette-Poiseuille Akışı: Karma Taşınımın İncelenmesi**  
ALTUNKAYA A. N., AVCI M., AYDIN O.  
21. Ulusal Isı Bilimi ve Tekniği Kongresi, Turkey, 13 - 16 September 2017

## Supported Projects

Altunkaya A. N., Sandıkçı M., TUBITAK Project, Katı ve Sıvıların Özgül Isılarının Belirlenmesine Yönelik Deney Sistemi Tasarım ve İmalatı, 2022 - 2023

## **Metrics**

Publication: 9

Citation (WoS): 17

Citation (Scopus): 17

H-Index (WoS): 2

H-Index (Scopus): 2