

## Res. Asst. HARUN ZONTUL

### Personal Information

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### Education Information

Doctorate, Cukurova University, Mühendislik Mimarlık Fakültesi, Makine Mühendisliği, Turkey 2015 - Continues

Postgraduate, Cukurova University, Mühendislik Mimarlık Fakültesi, Makine Mühendisliği, Turkey 2012 - 2015

Undergraduate, Mersin University, Faculty Of Engineering, Makine Mühendisliği, Turkey 2006 - 2011

### Research Areas

Mechanical Engineering, Thermodynamics, Engineering and Technology

### Academic Titles / Tasks

Research Assistant, Cukurova University, Fen Bilimleri Enstitüsü, Makina Mühendisliği, 2014 - Continues

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

- I. **Impact of periodic magnetic source on natural convection and entropy generation of ferrofluids in a baffled cavity**  
Zontul H., Hamzah H., Şahin B.  
INTERNATIONAL JOURNAL OF NUMERICAL METHODS FOR HEAT & FLUID FLOW, vol.31, no.12, pp.3547-3575, 2021 (SCI-Expanded)
- II. **Flow analyses of diffuser augmented wind turbines**  
İLHAN A., ZONTUL H., TÛMSE S., BİLGİLİ M., ŞAHİN B.  
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, 2021 (SCI-Expanded)
- III. **Heat transfer and flow characteristics in a sinusoidally curved converging-diverging channel**  
Kurtulmuş N., Zontul H., Şahin B.  
INTERNATIONAL JOURNAL OF THERMAL SCIENCES, vol.148, 2020 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Zamanla Sinüzoidal Olarak Değişen Manyetik Alan Şiddetinin Ters Basamak Geometrisinde Akış Ayrılması ve Isı Transferine Etkisi**  
Zontul H., Şahin B.  
Çukurova Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, vol.35, no.2, pp.413-424, 2020 (Peer-Reviewed Journal)
- II. **Pulsating Flow and Heat Transfer in Wavy Channel with Zero Degree Phase Shift**  
ZONTUL H., KURTULMUŞ N., ŞAHİN B.

## Refereed Congress / Symposium Publications in Proceedings

- I. **Forced Convection in One Side Wavy Channel**  
Kurtulmuş N., Zontul H., Şahin B.  
3rd International Conference on Advances In Mechanical Engineering Istanbul 2017, İstanbul, Turkey, 19 - 21 December 2017
- II. **NUMERICAL SIMULATION OF DEFOGGING IN MICRO-WIREEMBEDDED BUS WINDSHIELD**  
ZONTUL H., KURTULMUŞ N., YILMAZ A.  
THIRD INTERNATIONAL CONFERENCE ON ADVANCES INMECHANICAL ENGINEERING: ICAME 2017, 19 - 21 December 2017
- III. **Effects of vortex generator aspect ratio on enhancement of heat transfer in a straight channe**  
DOĞRU S., TUNAY T., ZONTUL H., ŞAHİN B.  
1stInternational MediterraneanScience and Engineering Congress, Adana, Turkey, 26 - 28 October 2016

## Supported Projects

- ŞAHİN B., ZONTUL H., Project Supported by Higher Education Institutions, Investigation of heat transfer in corrugated channel with pulsating flow, 2016 - 2021
- ŞAHİN B., Zontul H., Kurtulmuş N., Project Supported by Higher Education Institutions, Sinüsoidal kanallarda faz açısının salımlı akış koşullarında ısı transferine etkisi, 2017 - 2020
- ŞAHİN B., ZONTUL H., ÖZBOLAT V., Project Supported by Higher Education Institutions, Sinüs eğrisi şeklindeki oluklu kanallardaki akış karakteristiği ve ısı transferi iyileştirilmesinin su esaslı Al<sub>2</sub>O<sub>3</sub> nano akışkanı kullanılarak sayısal olarak incelenmesi, 2016 - 2016

## Metrics

- Publication: 10  
Citation (WoS): 9  
Citation (Scopus): 11  
H-Index (WoS): 1  
H-Index (Scopus): 1