

## Prof. Zeki Argunhan

### Personal Information

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### Education Information

Doctorate, Firat University, Institute Of Science, Turkey 2000 - 2003

Postgraduate, Harran University, Institute Of Science, MAKINE MÜHENDISLIGI, Turkey 1995 - 1997

Undergraduate, Middle East Technical University, Faculty Of Engineering, Department Of Mechanical Engineering, Turkey 1981 - 1987

### Academic Titles / Tasks

Professor, Bitlis Eren University, 2017 - Continues

Associate Professor, Batman University, 2012 - 2017

Assistant Professor, Batman University, 2005 - 2008

Lecturer, Batman University, 2003 - 2005

Lecturer, Dicle University, 1995 - 2003

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

- I. **Statistical Evaluation of Indoor Air Quality Parameters in Classrooms of a University**  
Argunhan Z., Avci A. S.  
ADVANCES IN METEOROLOGY, vol.2018, 2018 (SCI-Expanded)
- II. **Combustion, performance and emissions of a diesel power generator fueled with biodiesel-kerosene and biodiesel-kerosene-diesel blends**  
Bayindir H., Isik M. Z., Argunhan Z., Yucel H. L., Aydin H.  
ENERGY, vol.123, pp.241-251, 2017 (SCI-Expanded)
- III. **EXPERIMENTAL INVESTIGATION OF SOLAR STILLS INTEGRATED WITH SOLAR WATER HEATING COLLECTORS**  
Emin E. L., Cakmak G., Argunhan Z., Yildiz C.  
ISI BILIMI VE TEKNIGI DERGISI-JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY, vol.37, no.2, pp.97-107, 2017 (SCI-Expanded)
- IV. **Experimental and Numerical Investigation of the Effect of Turbulator on Heat Transfer in a Concentric-type Heat Exchanger**  
Budak N., Yucel H. L., Argunhan Z.  
EXPERIMENTAL HEAT TRANSFER, vol.29, no.3, pp.322-336, 2016 (SCI-Expanded)
- V. **EFFECT OF THE AIR FLOW RATE OF BLOWER ON THE PERFORMANCE OF SOLAR STILL**  
El E., Argunhan Z., Cakmak G., Yucel H. L., Yildiz C.

ISI BILIMI VE TEKNİĞİ DERGİSİ-JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY, vol.35, no.2, pp.145-152, 2015 (SCI-Expanded)

- VI. **Experimental Investigation of Thermal Performance in a Concentric-Tube Heat Exchanger with Wavy Inner Pipe**  
Cakmak G., Yucel H. L., Argunhan Z., Yildiz C.  
INTERNATIONAL JOURNAL OF THERMOPHYSICS, vol.33, no.6, pp.1055-1067, 2012 (SCI-Expanded)
- VII. **Second Law analysis in concentric heat exchangers with vortex flow generators**  
Argunhan Z., Behcet R., Yildiz C., Cakmak G.  
ENERGY EDUCATION SCIENCE AND TECHNOLOGY PART A-ENERGY SCIENCE AND RESEARCH, vol.28, no.1, pp.285-292, 2011 (SCI-Expanded)
- VIII. **The effect of rotary type turbulator placed in entrance of heat exchanger on heat transfer and frictional loss**  
Behcet R., Yakut A. K., Argunhan Z.  
ENERGY EDUCATION SCIENCE AND TECHNOLOGY PART A-ENERGY SCIENCE AND RESEARCH, vol.28, no.1, pp.239-248, 2011 (SCI-Expanded)
- IX. **Effect of swirl generators with different sized propeller on heat transfer enhancement**  
Cakmak G., Argunhan Z., Yildiz C.  
ENERGY EDUCATION SCIENCE AND TECHNOLOGY PART A-ENERGY SCIENCE AND RESEARCH, vol.27, no.2, pp.323-330, 2011 (SCI-Expanded)
- X. **Dimension and insulation thickness optimization of circular flat plate solar collectors**  
Argunhan Z.  
ENERGY EDUCATION SCIENCE AND TECHNOLOGY PART A-ENERGY SCIENCE AND RESEARCH, vol.27, no.2, pp.287-294, 2011 (SCI-Expanded)
- XI. **Experimental investigation of the effects of diesel-like fuel obtained from waste lubrication oil on engine performance and exhaust emission**  
Arpa O., Yumrutas R., Argunhan Z.  
FUEL PROCESSING TECHNOLOGY, vol.91, no.10, pp.1241-1249, 2010 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Comparison of Thermal Performance of Newly Produced Lightweight Wall and Roof Elements for Energy-efficient Buildings**  
Oktay H., Yumrutas R., Argunhan Z.  
Hittite Journal of Science and Engineering, vol.7, no.1, pp.17-26, 2020 (Peer-Reviewed Journal)
- II. **An Experimental Investigation of the Effect of Thermophysical Properties on Time Lag and Decrement Factor for Building Elements**  
Oktay H., Yumrutas R., Argunhan Z.  
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.33, no.2, pp.492-508, 2020 (ESCI)
- III. **Comparison of heat gain values obtained for building structures with real and constant properties**  
Argunhan Z., Oktay H., Yumrutas R.  
Bitlis Eren Üniversitesi Fen Bilimleri Dergisi, vol.8, no.4, pp.1518-1532, 2019 (Peer-Reviewed Journal)
- IV. **Yapı elemanlarında kullanılan atık lastiklerin ısıl performansının incelenmesi**  
Argunhan Z.  
Dicle Üniversitesi Mühendislik Fakültesi Mühendislik Dergisi, vol.8, no.3, pp.621-630, 2017 (Peer-Reviewed Journal)
- V. **Investigation of the thermal and acoustic performance of perlite- based building materials**  
Argunhan Z., Oktay H., Doğmuş R.  
European Journal of Technique, vol.6, no.1, pp.26-36, 2016 (Peer-Reviewed Journal)
- VI. **ÇOK KATMANLI DUVAR VE ÇATI TİPLERİNİN ISIL VE FİZİKSEL ÖZELLİKLERİNİN DİNAMİK ISIL KARAKTERLERİNE OLAN ETKİSİNİN İNCELENMESİ**

Oktay H., Argunhan Z., Yumrutaş R., Işık M. Z., Budak N.

Mugla Journal of Science and Technology, vol.2, no.1, pp.48-54, 2016 (Peer-Reviewed Journal)

**VII. Evaluation of fly ash and polypropylene in production of composite materials**

Yıldız T., Argunhan Z., Haksever A.

Energy Education Science and Technology Part A: Energy Science and Research , vol.30, no.SUPPL.2, pp.1-10, 2012  
(Peer-Reviewed Journal)

**VIII. Dikdörtgen delikli türbülötörlerde delik sayısının ısı geçişine ve basınç düşüşüne etkisi**

Argunhan Z., Yıldız C.

Fırat Üniversitesi Mühendislik Bilimleri Dergisi, vol.18, no.2, pp.243-247, 2006 (Peer-Reviewed Journal)

**IX. DAİRESEL KESİTLİ BİR BORUNUN GİRİŞİNE YERLEŞTİRİLEN DELİKLİ SABİT KANATÇIKLI DÖNME ÜRETİCİNİN ISI GEÇİŞİ VE BASINÇ DÜŞÜŞÜNE ETKİLERİ**

Argunhan Z., Yıldız C.

PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSİTESİ MUHENDİSLİK BİLİMLERİ DERGİSİ, vol.12, no.2, pp.217-223, 2006 (Peer-Reviewed Journal)

**X. THE EFFECTS OF SWIRL GENERATOR HAVING WINGS WITH HOLES ON HEAT TRANSFER AND PRESSURE DROP IN TUBE HEAT EXCHANGER**

Argunhan Z., Yıldız C.

PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSİTESİ MUHENDİSLİK BİLİMLERİ DERGİSİ, vol.12, no.2, pp.217-223, 2006 (ESCI)

## Metrics

Publication: 21

Citation (WoS): 172

Citation (Scopus): 210

H-Index (WoS): 6

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