

# **Prof. ALİ CAN DALOĞLU**

## **Personal Information**

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## **International Researcher IDs**

**ORCID:** 0000-0003-1831-4983

**Yoksis Researcher ID:** 5912

## **Education Information**

Doctorate, Texas Tech University, Mühendislik Fakültesi, Makina Mühendisliği Bölümü, United States Of America 1988 - 1992

Postgraduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Makina Mühendisliği Bölümü, Turkey 1981 - 1982

Undergraduate, Karadeniz Technical University, Makina-Elektrik Fakültesi, Makina Mühendisliği Bölümü, Turkey 1975 - 1979

## **Research Areas**

Mechanical Engineering, Energy, Fluid Mechanics, Thermodynamics, Heat and Mass Transfer, Engineering and Technology

## **Academic Titles / Tasks**

Professor, Karadeniz Technical University, Mühendislik Fakültesi, Makina Mühendisliği Bölümü, 2007 - Continues

Associate Professor, Karadeniz Technical University, Mühendislik Fakültesi, Makina Mühendisliği Bölümü, 2000 - 2007

Assistant Professor, Karadeniz Technical University, Mühendislik Fakültesi, Makina Mühendisliği Bölümü, 1993 - 2000

## **Academic and Administrative Experience**

Karadeniz Technical University, Mühendislik Fakültesi, Makina Mühendisliği, 2014 - Continues

Karadeniz Technical University, Mühendislik Fakültesi, 2007 - 2013

Karadeniz Technical University, Mühendislik Fakültesi, Makina Mühendisliği, 2000 - 2005

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

- I. Optimum design of steel frames against progressive collapse by guided simulated annealing algorithm

Tayfur B., DALOĞLU A. C.

Steel and Composite Structures, vol.50, no.5, pp.583-594, 2024 (SCI-Expanded)

- II. Numerical and experimental study of air flow by natural convection in a rectangular open cavity:

### **Application in a top refrigerator**

Durmus A., DALOĞLU A. C.

EXPERIMENTAL HEAT TRANSFER, vol.21, no.4, pp.281-295, 2008 (SCI-Expanded)

### **III. Pressure drop in a channel with cylinders in tandem arrangement**

Daloglu A. C.

INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, vol.35, no.1, pp.76-83, 2008 (SCI-Expanded)

### **IV. An overview of advanced space/terrestrial power generation device: AMTEC**

LODHI M., VIJAYARAGHAVAN P., Daloglu A. C.

JOURNAL OF POWER SOURCES, vol.103, no.1, pp.25-33, 2001 (SCI-Expanded)

### **V. Simulation and analysis of time-dependent degradation behavior of AMTEC**

LODHI M., VIJAYARAGHAVAN P., Daloglu A. C.

JOURNAL OF POWER SOURCES, vol.96, no.2, pp.343-351, 2001 (SCI-Expanded)

### **VI. Design and material variation for an improved power output of AMTEC cells**

LODHI M., Daloglu A. C.

JOURNAL OF POWER SOURCES, vol.93, pp.32-40, 2001 (SCI-Expanded)

### **VII. Time-dependent BASE performance and power degradation in AMTEC**

LODHI M., VIJAYARAGHAVAN P., Daloglu A. C.

JOURNAL OF POWER SOURCES, vol.93, pp.41-49, 2001 (SCI-Expanded)

### **VIII. Effect of radiation shield on pressure losses and power output of AMTEC cell**

LODHI M., Daloglu A. C.

JOURNAL OF POWER SOURCES, vol.93, pp.258-267, 2001 (SCI-Expanded)

### **IX. Effect of geometrical variations on AMTEC cell heat losses**

LODHI M., Daloglu A. C.

JOURNAL OF POWER SOURCES, vol.91, no.2, pp.99-106, 2000 (SCI-Expanded)

### **X. Heat transfer from a cylinder in the wake flow**

Daloglu A. C., UNAL A.

INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, vol.27, no.4, pp.569-580, 2000 (SCI-Expanded)

### **XI. Performance parameters of material studies for AMTEC cell**

LODHI M., Daloglu A. C.

JOURNAL OF POWER SOURCES, vol.85, no.2, pp.203-211, 2000 (SCI-Expanded)

### **XII. Natural convection in a periodically finned vertical channel**

Daloglu A. C., AYHAN T.

INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, vol.26, no.8, pp.1175-1182, 1999 (SCI-Expanded)

### **XIII. Study on overall heat transfer coefficient for a rotating cavity type heat exchanger**

Daloglu A. C.

INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, vol.26, no.6, pp.861-867, 1999 (SCI-Expanded)

## **Refereed Congress / Symposium Publications in Proceedings**

### **I. Performance analysisi for an earth tube heat exchanger for summer cooling in Ankara**

DALOĞLU A. C.

The 8th Mediterranean Congress of Heating, Ventilating and Air-Conditioning (CLIMAMED 2015), Juan-Les-Pins, France, 9 - 11 September 2015, pp.1-6

### **II. Kanal Akışında Akışa Dik Yerleştirilen Silindirik Engellerin Basınç Düşümüne Etkisinin İncelenmesi**

DALOĞLU A. C.

1. Ulusal Havacılık ve Uzay Konferansı, Ankara, Turkey, 21 - 23 September 2006, pp.1-6

### **III. Engel Arkasındaki Bir Silindirden Isı Transferinin İncelenmesi**

- DALOĞLU A. C.  
11. Ulusal Isı bilimi ve Tekniği Kongresi, Edirne, Turkey, 17 - 19 September 1997, pp.903-912
- IV. **Taşit Yanal Rüzgar Hassasiyetine Kaldırma Kuvveti Etkisinin İncelenmesi**  
DALOĞLU A. C.  
8. Ulusal Makina Teorisi Sempozyumu, Elazığ, Turkey, 17 - 19 September 1997, pp.426-429
- V. **Response of the Driver-Vehicle System to Cross-Wind Excitations**  
DALOĞLU A. C.  
ETC&E Conference: Structural Dynamics Vibration and Buckling Symposium, Houston, United States Of America, 9 - 11 September 1995, pp.11-16
- VI. **Küresel Şekilli Kompozit Cisimlerde Isı Transferi**  
DALOĞLU A. C.  
10. Ulusal Isı bilimi ve Tekniği Kongresi, Ankara, Turkey, 6 - 08 September 1995, pp.139-148
- VII. **Taşit Kontrolundan Rüzgar Etkisi**  
DALOĞLU A. C.  
6. Ulusal Makina Teorisi Sempozyumu, Trabzon, Turkey, 9 - 11 September 1993, pp.537-546

## Metrics

Publication: 20  
Citation (WoS): 127  
Citation (Scopus): 144  
H-Index (WoS): 7  
H-Index (Scopus): 8

## Non Academic Experience

DSİ 22. Bölge Müd.