

## Asst. Prof. CEVAHİR TARHAN

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AAP-1006-2021

ScopusID: 55177963300

Yoksis Researcher ID: 26518

### Education Information

Undergraduate, Erciyes University, Eğitim Fakültesi, --, Turkey 2012 - Continues

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, Makina Mühendisliği, Turkey 2012 - 2018

Postgraduate, Erciyes University, Fen Bilimleri Enstitüsü, Sivil Havacılık, Turkey 2010 - 2012

Undergraduate, Anadolu University, Faculty Of Economics And Administrative Sciences, Department Of Business, Turkey 2008 - 2012

Undergraduate, Anadolu University, Academy Of Civil Aviation, Uçak Gövde Motor Bakım Bölümü, Turkey 2001 - 2005

### Foreign Languages

English, C1 Advanced

### Certificates, Courses and Trainings

Logistics, Boeing 737-600/700/800/900 Tip Kursu, Türk Havayolları Teknik A.Ş., 2006

Logistics, CFM56-7B Tip Kursu Eğitimi, Türk Hava Yolları, 2006

### Dissertations

Doctorate, Numerical and Experimental Investigation of Wind Turbine Airfoils, Erciyes University, Fen Bilimleri Enstitüsü, 2018

Postgraduate, NACA 0012 Kanat Profili Etrafındaki Hava Akışının Sayısal ve Deneysel İncelenmesi, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Sivil Havacılık, 2012

### Research Areas

Aeronautical and Space Engineering, Aeronautical Engineering , Flight Sciences, Aerodynamics, Engineering and Technology

## Academic Titles / Tasks

Assistant Professor, Erciyes University, Havacılık ve Uzay Bilimleri Fakültesi, Uçak Gövde ve Motor Bakımı, 2019 - Continues  
Lecturer, Erciyes University, Sivil Havacılık Yüksekokulu, Uçak Gövde-Motor, 2013 - 2019  
Research Assistant, Erciyes University, Sivil Havacılık Yüksekokulu, Uçak Gövde-Motor, 2011 - 2013  
Lecturer, Kapadokya Meslek Yüksekokulu, Uçak Teknolojisi Programı, Uçak Teknolojisi Programı, 2010 - 2011

## Academic and Administrative Experience

Head of Department, Cappadocia University, 2010 - 2011

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

- I. **The effect of global warming and climate changes on aircraft accidents between 2010-2022**  
Akay T., TARHAN C.  
AIRCRAFT ENGINEERING AND AEROSPACE TECHNOLOGY, vol.96, no.2, pp.215-222, 2024 (SCI-Expanded)
- II. **Investigation of emissions from passenger flights Denizli Çardak Airport, Türkiye**  
Çil M. A., TARHAN C.  
Air Quality, Atmosphere and Health, 2024 (SCI-Expanded)
- III. **A study on hydrogen, the clean energy of the future: Hydrogen storage methods**  
Tarhan C., Çil M. A.  
Journal of Energy Storage, vol.40, 2021 (SCI-Expanded)
- IV. **Numerical and experimental investigations of 14 different small wind turbine airfoils for 3 different reynolds number conditions**  
Tarhan C., Yilmaza İ.  
WIND AND STRUCTURES, vol.28, no.3, pp.141-153, 2019 (SCI-Expanded)
- V. **Effect of turbulence and radiation models on combustion characteristics in propane-hydrogen diffusion flames**  
Yılmaz I., Taştan M., İlbas M., Tarhan C.  
ENERGY CONVERSION AND MANAGEMENT, vol.72, pp.179-186, 2013 (SCI-Expanded)
- VI. **Investigation of hydrogen usage in aviation industry**  
Yılmaz I., İlbas M., Taştan M., Tarhan C.  
ENERGY CONVERSION AND MANAGEMENT, vol.63, pp.63-69, 2012 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Drain Mast Komponentinin Tahribatsız Muayene Yöntemleri Kullanılarak Test Edilmesi**  
Kurt B., TARHAN C.  
Avrupa Bilim ve Teknoloji Dergisi, no.31, pp.852-860, 2021 (Peer-Reviewed Journal)
- II. **The use of wind turbines and the problem of icing**  
TARHAN C., Çil M. A.  
Wind Engineering, vol.45, no.6, pp.1680-1688, 2021 (ESCI)
- III. **Investigation of small wind turbine airfoil's for Kayseri weather conditions**  
Tarhan C., Yılmaz İ.  
Uluslararası Yakıtlar, Yanma Ve Yangın Dergisi, no.4, pp.42-43, 2016 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **POLLUTION EFFECTS OF HYDROGEN PRODUCTION AS AN ENERGY CARRIER**

- Tarhan C.  
15th International Combustion Symposium (INCOS2020), Kayseri, Turkey, 17 - 19 September 2020, pp.1-6
- II. **Numerical and Experimental Investigations Of E387 And SD7032 Wind Turbine Airfoils For 3 Different Reynolds Number Conditions**  
Tarhan C., Taştan M., Yılmaz I.  
International Eurasian Conference On Science, Engineering And Technology, Ankara, Turkey, 22 - 23 November 2018
- III. **Experimental and Numerical Investigations of Small Wind Turbine Airfoils for Low Reynolds Number Condition**  
tarhan c., YILMAZ I.  
9th International Exergy, Energy and Environment Symposium (IEEES-9), Split, Croatia, 14 - 17 May 2017
- IV. **Investigation of small wind turbine airfoil's for Kayseri weather conditions**  
Tarhan C., Yılmaz I.  
9th International Conference on Sustainable Energy and Environmental Protection, Kayseri, Turkey, 22 - 25 September 2016, pp.1-8
- V. **NACA0012 Kanat Profili Etrafındaki Hava Akışının Sayısal ve Deneysel İncelenmesi**  
YILMAZ İ., TARHAN C.  
V. Ulusal Havacılık ve Uzay Konferansı, Kayseri, Turkey, 8 - 10 September 2014, pp.1-10
- VI. **Effect of turbulence and radiation models on combustion characteristics in propane-hydrogen diffusion flames**  
Yılmaz İ., Taştan M., İlbaş M., Tarhan C.  
The Third International Conference on Nuclear and Renewable Energy Resources, İstanbul, Turkey, 20 - 23 May 2012, pp.1-7
- VII. **Biyokütlenin Havacılıkta Kullanımı**  
YILMAZ İ., TAŞTAN M., TARHAN C.  
VI. Yeni ve Yenilenebilir Enerji Kaynakları Sempozyumu, Kayseri, Turkey, 1 - 04 October 2011, pp.197-203
- VIII. **Investigation of hydrogen usage in aviation industry**  
Yılmaz İ., İlbaş M., Taştan M., Tarhan C.  
10th International Conference in Sustainable Energy Technologies, İstanbul, Turkey, 4 - 07 September 2011, pp.1-7

## Supported Projects

YILMAZ İ., TARHAN C., TAŞTAN M., ÇAM Ö., Project Supported by Higher Education Institutions, RÜZGÂR TÜRBİN KANAT PROFİLLERİNİN SAYISAL VE DENEYSEL İNCELENMESİ, 2016 - 2018

KARCI A., TARHAN C., TAŞTAN M., ÇAM Ö., YILMAZ İ., Project Supported by Higher Education Institutions, Farklı Kanat Profillerinin Aerodinamik Özelliklerinin Deneysel İncelenmesi, 2013 - 2014

YILMAZ İ., TARHAN C., Project Supported by Higher Education Institutions, NACA0012 Kanat Profili Etrafındaki Hava Akışının Deneysel ve Sayısal Olarak İncelenmesi, 2012 - 2013

YILMAZ İ., TAŞTAN M., TARHAN C., TANGÖZ S., Project Supported by Higher Education Institutions, GAZ TÜRBİN MOTOR YANMA ODASININ PERFORMANS DEĞERLERİNİN BELİRLENMESİ ÇİN TEST SİSTEMİNİN OLUSTURULMASI, 2009 - 2012

## Metrics

Publication: 17

Citation (WoS): 146

Citation (Scopus): 171

H-Index (WoS): 4

H-Index (Scopus): 4

## **Congress and Symposium Activities**

International Eurasian Conference On Science, Engineering And Technology, Working Group, Ankara, Turkey, 2018  
9th International Exergy, Energy and Environment Symposium (IEEEES-9), Working Group, Split, Croatia, 2017  
9th International Conference on Sustainable Energy and Environmental Protection, Working Group, Kayseri, Turkey, 2016  
V. Ulusal Havacılık ve Uzay Konferansı, Working Group, Kayseri, Turkey, 2014  
VI. Yeni ve Yenilenebilir Enerji Kaynakları Sempozyumu, Working Group, Kayseri, Turkey, 2011

## **Non Academic Experience**

Other Public Institution, Ulaştırma Bakanlığı Sivil Havacılık Genel Müdürlüğü  
Sivil Havacılık Genel Müdürlüğü  
Other Public Institution, Milli Eğitim Bakanlığı  
Milli Eğitim Bakanlığı  
Business Establishment Private, Pegasus Hava Yolları A.Ş.  
Pegasus Havayolları