

## Asst. Prof. SİNAN KEYİNCİ

### Personal Information

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### International Researcher IDs

ORCID: 0000-0003-2948-3846

Publons / Web Of Science ResearcherID: E-7727-2018

Yoksis Researcher ID: 122361

### Education Information

Doctorate, Cukurova University, Mühendislik Fakültesi, Otomotiv Mühendisliği, Turkey 2016 - 2021

Postgraduate, Erciyes University, Sivil Havacılık Yüksekokulu, Sivil Havacılık, Turkey 2013 - 2015

Undergraduate, Erciyes University, Sivil Havacılık Yüksekokulu, Uçak Gövde-Motor, Turkey 2006 - 2011

### Foreign Languages

English, B1 Intermediate

### Certificates, Courses and Trainings

IT, İHA Başlangıç Eğitimi Kursu, ZANKA MÜHENDİSLİK, 2017

Security, İş sağlığı ve Güvenliği, Çukurova Üniversitesi, 2017

Education Management and Planning, BOEİNG 757 TYPE COURSE, MNG TECHNİC A.Ş., 2012

Education Management and Planning, SAFETY MANAGEMENT SYSTEM, MNG TECHNİC A.Ş., 2012

Security, Human Factor, THY TEKNİK A.Ş., 2011

Other, B1 HAVA ARACI BAKIM LİSANSI, SİVİL HAVACILIK GENEL MÜDÜRLÜĞÜ, 2011

Education Management and Planning, SOLİD WORKS, ERCİYES ÜNİVERSİTESİ SÜREKLİ EĞİTİM MERKEZİ, 2009

### Dissertations

Doctorate, MİNİ İNSANSIZ HAVA ARAÇLARININ HAVADA KALMA SÜRESİNİ ARTIRMAK AMACIYLA ÇOKLU HİBRİT GÜÇ PAKETİ GELİŞTİRİLMESİ, Cukurova University, 2021

Postgraduate, Mikro Hava Aracında Çırpan Kanat Profilinin Deneysel İncelenmesi, Erciyes University, Havacılık Ve Uzay Bilimleri Fakültesi, Sivil Havacılık Ana Bilim Dalı, 2015

### Research Areas

Hydrogen Technologies and Fuel Cells , Electrical Power Systems, Engineering and Technology

### Academic Titles / Tasks

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

- I. **The effect of fusel oil as a reductant over the multi-metallic catalyst for selective catalytic reduction of NOx in diesel exhaust at low-temperature conditions**  
Sumer S. U. H., KEİYİNCİ S., KESKİN A., ÖZARSLAN H., Keskin Z.  
PETROLEUM SCIENCE AND TECHNOLOGY, vol.41, no.20, pp.1901-1917, 2023 (SCI-Expanded)
- II. **Investigation on Flow Characteristics of Generic Car Body with Different Boundary Conditions**  
Keiyinci S., Baş O., Akar M. A.  
SCIENTIA IRANICA INTERNATIONAL JOURNAL OF SCIENCE & TECHNOLOGY, vol.1, no.1, pp.1-12, 2023 (SCI-Expanded)
- III. **One-day ahead forecasting of energy production from run-of-river hydroelectric power plants with a deep learning approach**  
BİLGİLİ M., KEİYİNCİ S., Ekinci F.  
SCIENTIA IRANICA, vol.29, no.4, pp.1838-1852, 2022 (SCI-Expanded)
- IV. **Ground simulation of fuel cell/battery hybrid propulsion system for small unmanned air vehicles**  
Keiyinci S., Aydin K.  
AIRCRAFT ENGINEERING AND AEROSPACE TECHNOLOGY, vol.93, no.5, pp.783-793, 2021 (SCI-Expanded)
- V. **Experimental investigation of aerodynamic parameters on flapping wing**  
YILMAZ İ., KEİYİNCİ S., Cam O., KARCI A.  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.32, no.4, pp.1035-1050, 2017 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Evaluation of Water-in-Diesel Emulsion Fuel in Compression Ignition Engines: Effects, Advantages, and Drawbacks**  
Tosun E., Keiyinci S.  
Cukurova University Journal of Natural and Applied Sciences, vol.1, no.3, pp.8-14, 2022 (Peer-Reviewed Journal)
- II. **TAŞIT AERODİNAMİĞİNDE KULLANILAN AHMED CİSMİNİN AKIŞ MODELİ İÇİN PRİZMATİK AĞ KATMANI OLUŞTURURKEN İZLENECEK STRATEJİ**  
KEİYİNCİ S., AKAR M. A., BAŞ O., ÖZCANLI M.  
Mühendislik Bilimleri ve Tasarım Dergisi, vol.10, no.3, pp.776-785, 2022 (Peer-Reviewed Journal)
- III. **Assessment of binary metallic-based nanoparticles addition effects on performance, emission, and vibration behaviors of a diesel engine**  
YAŞAR A., KEİYİNCİ S., BİLGİLİ M.  
European Mechanical Science, vol.6, no.1, pp.9-16, 2022 (Peer-Reviewed Journal)
- IV. **Progress in carbon emission reduction technology in fossil fuel-based hydrogen production**  
KEİYİNCİ S., AYDIN K.  
ADVANCES IN ENVIRONMENTAL RESEARCH-AN INTERNATIONAL JOURNAL, vol.10, no.2, pp.147-163, 2021 (ESCI)
- V. **Conceptual Design of Fuel Cell Based Hybrid Unmanned Air Vehicle**  
KEİYİNCİ S., AYDIN K.  
European Mechanical Science, vol.5, no.1, pp.14-20, 2021 (Peer-Reviewed Journal)
- VI. **ANALYZING PASSENGER BEHAVIOR TOWARDS ON PERCEPTION IN-FLIGHT FOOD SAFETY QUALITY**  
ÖZÇİÇEK DÖLEKOĞLU C., VEZİROĞLU P., KEİYİNCİ S.  
The Journal of Turk-Islam World Social Studies, vol.15, no.15, pp.296-306, 2017 (Peer-Reviewed Journal)
- VII. **MEASUREMENT OF SERVICE QUALITY IN AIR TRANSPORTATION**

## Refereed Congress / Symposium Publications in Proceedings

- I. **RECENT ADVANCES AND CHALLENGES IN FUEL CELL ELECTRIC VEHICLES**  
KEİYİNCİ S.  
INTERNATIONAL CONFERENCE ON ENGINEERING, NATURAL AND APPLIED SCIENCE 2021, Osmaniye, Turkey, 24 November 2021
- II. **THE EFFECT OF SUPERCAPACITOR USAGE IN FUEL CELL HYBRID SYSTEMS**  
KEİYİNCİ S.  
INTERNATIONAL CONFERENCE ON ENGINEERING, NATURAL AND APPLIED SCIENCE 2021, Osmaniye, Turkey, 24 November 2021
- III. **A Study to Investigate The Effect of Dimpled Surfaces and Linking Tunnels on Ahmed Car Model Flow Characteristics**  
Aydın V. K., Akar M. A., Baş O., Özcanlı M., Keiyinci S.  
6th International Mediterranean Science and Engineering Congress (IMSEC 2021), Antalya, Turkey, 25 - 27 October 2021, pp.155
- IV. **Taşıt Aerodinamiği Araştırmalarında Daha Gerçekçi bir Model: DrivAer**  
Baş O., Akar M. A., Özcanlı M., Serin H., Keiyinci S.  
6th International Mediterranean Science and Engineering Congress (IMSEC 2021), Antalya, Turkey, 25 - 27 October 2021, pp.370
- V. **Sodium Borohydride-Based Fuel Cell Powered Air Vehicle: Recent progress and prospect**  
KEİYİNCİ S., AYDIN K.  
5th International Mediterranean Science and Engineering Congress (IMSEC 2020), Alanya, Turkey, 21 October 2020, pp.342-347
- VI. **Hydrogen production from fossil fuels using chemical looping technology: An overview**  
KEİYİNCİ S., AYDIN K.  
5th International Mediterranean Science and Engineering Congress (IMSEC 2020), Alanya, Turkey, 21 October 2020, pp.611-617
- VII. **Hafif Bir Hava Aracının Hibrit İtici Sistem Tasarımı**  
AYDIN K., KEİYİNCİ S.  
4th International Mediterranean Science and Engineering Congress (IMSEC 2019), Antalya, Turkey, 25 - 27 April 2019, pp.902-907
- VIII. **Mini-İHA'arda Kullanılan Yakıt Hücreli Hibrit Sistem İncelemesi**  
Keiyinci S., Aydın K.  
4th International Mediterranean Science and Engineering Congress (IMSEC 2019), Antalya, Turkey, 25 - 27 April 2019, pp.908-912
- IX. **Design of VTOL Unmanned Air Vehicle with Fixed Wing**  
AYDIN K., KEİYİNCİ S., AKTAŞ A. E., YILDIZHAN Ş.  
2nd International Mediterranean Science and Engineering Congress, 25 - 27 October 2017
- X. **Analyzing passenger behavior towards on perception in-flight food safety quality**  
ÖZÇİÇEK DÖLEKOĞLU C., VEZİROĞLU P., KEİYİNCİ S.  
6th World Conference on Business, Economics and Management, 4 - 06 May 2017
- XI. **In Flight Meals Preference and Food Safety in Airport Transportation: A Study on the Perception of Air Passengers**  
Özçiçek Dölekoğlu C., Veziroğlu P., Keiyinci S.  
6th World Conference on Business, Economics and Management (BEM-2017), Girne, Cyprus (Kktc), 4 - 06 May 2017, vol.1, no.1, pp.30
- XII. **Hassas Tarımda İnsansız Hava Aracı Kullanım**

BOZDOĞAN A. M., YARPUZ BOZDOĞAN N., ÖZTEKİN M. E., KEİYİNCİ S.

International Multidisciplinary Congress of Eurasia (IMCOFE'16), Odessa, Ukraine, 11 - 13 July 2016, pp.564-569

**XIII. GEÇMİŞTEN GÜNÜMÜZE UÇAK KAZALARINDA İNSAN FAKTÖRÜ**

KEİYİNCİ S., UZUN M., KARATAY E., ŞAHİN M.

V. ULUSAL HAVACILIK VE UZAY KONFERANSI, Kayseri, Turkey, 8 - 10 September 2014, pp.1-10

**XIV. Uçakların Kalkış Mesafelerinin Yapay Sinir Ağları İle Tahmini**

KEİYİNCİ S.

Proje Tabanlı Mekatronik Çalıştayı, Sinop, Turkey, 22 - 24 May 2014, pp.73

## Supported Projects

AYDIN K., SERİN H., KEİYİNCİ S., Aydın A., Project Supported by Higher Education Institutions, Polimer ve Kompozit Malzemelerin Seçici Lazer Sinterleme (SLS) Yöntemiyle Üretimi için Yeni Nesil Eklemeli İmalat Teknolojisinin Geliştirilmesi, 2023 - Continues

TOSUN E., YILDIZHAN Ş., KEİYİNCİ S., YAKARYILMAZ A. C., Project Supported by Higher Education Institutions, Lityum İyon Bataryaların Farklı Sıcaklık Şartlarında Termal Performansının Araştırılması, 2022 - Continues

TOSUN E., YILDIZHAN Ş., KEİYİNCİ S., YAKARYILMAZ A. C., Project Supported by Higher Education Institutions, Bataryalar İçin Termal Yönetim Sistemi Tasarımı, 2022 - Continues

YILDIZHAN Ş., KEİYİNCİ S., Project Supported by Higher Education Institutions, Geri Dönüşüm Ürünlerinin Kompozit Malzeme Üretiminde Kullanımı, 2021 - 2024

KEYİNCİ S., YILDIZHAN Ş., Project Supported by Higher Education Institutions, İnsansız kara aracı için pasif yakıt hücreli hibrit güç sistemi geliştirilmesi, 2021 - 2023

BİLGİLİ M., KESKİN A., KEİYİNCİ S., Project Supported by Higher Education Institutions, İçten Yanmalı Motorlarda ve Enerji Üretim Sistemlerinde İleri Uygulamalar: Nano Teknolojiler, Yapay Zekâ ve Makine Öğrenmesi, 2019 - 2021

AYDIN K., KEİYİNCİ S., Project Supported by Higher Education Institutions, Mini İnsansız Hava Araçlarının Havada Kalma Süresini Artırmak Amacıyla Çoklu Hibrit Güç Paketi Geliştirilmesi, 2019 - 2021

AYDIN K., YILDIZHAN Ş., ÖZARSLAN H., Büyük N., KEİYİNCİ S., AKTAŞ A. E., Ün Ç., Project Supported by Higher Education Institutions, Karada ve Havada Gidebilen Elektrikli Araç Prototipi Geliştirilmesi, 2017 - 2018

ÖZÇİÇEK DÖLEKOĞLU C., VEZİROĞLU P., KEİYİNCİ S., Project Supported by Higher Education Institutions, Havayolu Ulaştırıcılığında Gıda Hizmetleri Güvenilirliği; Tüketici Memnuniyeti, 2014 - 2016

## Student Project

R & D Project, İNSANSIZ KARA ARACI DETAY TASARIMI VE ÜRETİMİ, Cukurova University, Mühendislik Fakültesi, Otomotiv Mühendisliği, Turkey, 2022 - Continues

R & D Project, SRT Akış Görüntüleme, Cukurova University, Mühendislik Fakültesi, Otomotiv Mühendisliği, Turkey, 2020 - 2021

## Metrics

Publication: 32

Citation (WoS): 1

Citation (Scopus): 1

H-Index (WoS): 1

H-Index (Scopus): 1

## Congress and Symposium Activities

Ulusal Havacılık ve Uzay Kongresi, 2014, Attendee, Kayseri, Turkey, 2014

11. Ulaştırma, Denizcilik ve Haberleşme Şurası, Attendee, İstanbul, Turkey, 2013

### **Non Academic Experience**

Business Establishment Private, Thy Technic A.Ş.

MNG Technic A.Ş.