

Asst. Prof. VEHBİ EMRAH ATASOY

Personal Information

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International Researcher IDs

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Yoksis Researcher ID: 122973

Education Information

Doctorate, Eskişehir Technical University, Faculty Of Aeronautical And Space Sciences, Department Of Air Traffic Control, Turkey 2015 - 2020

Postgraduate, Anadolu University, Faculty Of Aeronautics And Astronautics, Department Of Pilotage, Turkey 2013 - 2015

Undergraduate, Yıldız Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, Turkey 2005 - 2009

Research Areas

Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Erzincan Binali Yildirim University, Ali Cavit Çelebioğlu Sivil Havacılık Yüksekokulu, Pilotaj Bölümü, 2022 - Continues

Research Assistant PhD, Erzincan Binali Yildirim University, Ali Cavit Çelebioğlu Sivil Havacılık Yüksekokulu, Pilotaj Bölümü, 2021 - 2022

Academic and Administrative Experience

Yüksekokul Kurulu Üyesi, Erzincan Binali Yildirim University, Ali Cavit Çelebioğlu Sivil Havacılık Yüksekokulu, Uçak Bakım ve Onarım Bölümü, 2022 - Continues

Head of Department, Erzincan Binali Yildirim University, Ali Cavit Çelebioğlu Sivil Havacılık Yüksekokulu, Pilotaj Bölümü, 2022 - Continues

Head of Department, Erzincan Binali Yildirim University, Ali Cavit Çelebioğlu Sivil Havacılık Yüksekokulu, Hava Trafik Kontrol Bölümü, 2022 - Continues

Head of Department, Erzincan Binali Yildirim University, Ali Cavit Çelebioğlu Sivil Havacılık Yüksekokulu, Uçak Bakım ve Onarım Bölümü, 2022 - Continues

Internship Committee Member, Erzincan Binali Yildirim University, Ali Cavit Çelebioğlu Sivil Havacılık Yüksekokulu, Uçak Bakım Ve Onarım Bölümü, 2021 - 2022

Courses

Uçuş Teorisi ve Temel Uçak Bilgisi, Undergraduate, 2022 - 2023

Uçuş Performans, Undergraduate, 2021 - 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Improved Modelling of Low-Pressure Rotor Speed in Commercial Turbofan Engines: A Comprehensive Analysis of Machine Learning Approaches**
Atasoy V. E.
ENERGY, vol.312, pp.1-14, 2024 (SCI-Expanded)
- II. **Detailed Analysis of Aircraft Fuel Flow Using Data from Flight Data Recorder**
Atasoy V. E.
TRANSPORTATION RESEARCH RECORD, vol.2677, pp.759-772, 2023 (SCI-Expanded)
- III. **A Comparative Analysis of Exhaust Gas Temperature Based on Machine Learning Models for Aviation Applications**
ATASOY V. E., Suzer A. E., Ekici S.
Journal of Energy Resources Technology, Transactions of the ASME, vol.144, no.8, 2022 (SCI-Expanded)
- IV. **A framework on the investigation of wind characteristics based on Weibull distribution function by comparative scrutiny of estimation methods: application to an airport**
Suzer A. E., ATASOY V. E., Ekici S.
International Journal of Green Energy, vol.19, no.3, pp.254-269, 2022 (SCI-Expanded)
- V. **Environmental impact of pollutants from commercial aircrafts at Hasan Polatkan airport**
Atasoy V. E., Suzer A. E., Ekici S.
AIRCRAFT ENGINEERING AND AEROSPACE TECHNOLOGY, vol.93, no.3, pp.417-428, 2021 (SCI-Expanded)
- VI. **Enhanced cruise range prediction for narrow-body turbofan commercial aircraft based on QAR data**
ATASOY V. E., Cetek C.
AERONAUTICAL JOURNAL, vol.125, no.1286, pp.672-701, 2021 (SCI-Expanded)
- VII. **Developing a holistic simulation approach for parametric techno-economic analysis of wind energy**
Suzer A. E., ATASOY V. E., Ekici S.
ENERGY POLICY, vol.149, 2021 (SCI-Expanded)
- VIII. **Exploring experiential indicators in flight training organization: a case study**
Atasoy V. E., Ekici S.
AIRCRAFT ENGINEERING AND AEROSPACE TECHNOLOGY, vol.92, no.4, pp.541-549, 2020 (SCI-Expanded)

Articles Published in Other Journals

- I. **Fuel estimation of commercial aircraft for the climb-out phase using gaussian process regression model**
ATASOY V. E.
International journal of energy studies (Online), vol.7, no.2, pp.179-194, 2022 (Peer-Reviewed Journal)
- II. **Serviceability analysis of training aircraft subject to maintenance operations in a flight training organisation: a case study**
Aydin E., Isilak C., Suzer A. E., Atasoy V. E.
INTERNATIONAL JOURNAL OF SUSTAINABLE AVIATION, vol.7, no.1, pp.93-112, 2021 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **THE IMPORTANCE OF MAINTENANCE AND REPAIR IN THE FLIGHT TRAINING ORGANIZATION**
ATASOY V. E.
International Symposium on Sustainable Aviation ISEAS-2019-BUDAPEST, 26 - 29 May 2019
- II. **ÜNİVERSİTELERDE TİCARİ UÇAKLAR İÇİN PİLOTAJ EĞİTİMİ ALAN ÖĞRENCİLERE VE PİLOTAJ EĞİTİMİ ÜZERİNE BİR ARAŞTIRMA**
ATASOY V. E., EKİCİ S., BÖCÜ E.
II. Ulusal Havacılık Teknolojisi ve Uygulamaları Kongresi UHAT 2013-İZMİR, İzmir, Turkey, 29 - 30 November 2013
- III. **TÜRKİYE'DE HAVAYOLU PİLOTLUĞU EĞİTİM SİSTEMLERİNİN KARŞILAŞTIRILMASI**
CANER A., ATASOY V. E., ÖZLER M. Ö.
II. Ulusal Havacılık Teknolojisi ve Uygulamaları Kongresi UHAT 2013-İZMİR, İzmir, Turkey, 29 - 30 November 2013

Scientific Refereeing

ISA TRANSACTIONS, Journal Indexed in SCI-E, August 2024
ISA TRANSACTIONS, Journal Indexed in SCI-E, November 2023
CLEAN TECHNOLOGIES AND ENVIRONMENTAL POLICY, Journal Indexed in SCI-E, September 2023
ENVIRONMENTAL PROGRESS AND SUSTAINABLE ENERGY, Journal Indexed in SCI-E, October 2022
AIRCRAFT ENGINEERING AND AEROSPACE TECHNOLOGY, Journal Indexed in SCI-E, February 2022
Journal of Aeronautics, Astronautics and Aviation, Journal Indexed in ESCI, January 2022
AIRCRAFT ENGINEERING AND AEROSPACE TECHNOLOGY, Journal Indexed in SCI-E, November 2021
International Journal of Aviation Science and Technology, Other Indexed Journal, December 2020
ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY, Journal Indexed in SCI-E, June 2020

Metrics

Publication: 13
Citation (WoS): 1
Citation (Scopus): 2
H-Index (WoS): 1
H-Index (Scopus): 1

Awards

Atasoy V. E., 2021 yılı Yılın Makalesi Ödülü, Eskişehir Teknik Üniversitesi, April 2022