

## Asst. Prof. ADEM KARCI

### Personal Information

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### International Researcher IDs

ScholarID: AI4uTBIAAAAJ

ORCID: 0000-0002-0205-0103

Publons / Web Of Science ResearcherID: AAH-3857-2021

ScopusID: 6602929074

Yoksis Researcher ID: 116296

### Education Information

Doctorate, Anadolu University, Fen Bilimleri, Sivil Havacılık, Turkey 2003 - 2009

Postgraduate, Anadolu University, Fen Bilimleri, Sivil Havacılık, Turkey 2000 - 2002

Undergraduate, Anadolu University, Sivil Havacılık Y.O., Uçak Gövde Motor, Turkey 1993 - 1999

### Foreign Languages

English, B2 Upper Intermediate

### Certificates, Courses and Trainings

Occupational Health and Safety, İş güvenliği ve sağlığı, Erciyes Üniversitesi, 2014

Other, Human Factors for Aircraft Maintenance, Turkish Airlines, 2013

Education Management and Planning, EASA PART 66/147 Regulations Training, Turkish Airlines, 2013

Education Management and Planning, Eğiticinin Eğitimi, Erciyes Üniversitesi, 2011

Other, Serbest Uçuş Rehber Öğretmen, Türk Hava Kurumu, 2010

Security, Sivil Havacılık Güvenliği, Anadolu Üniversitesi, 2008

Other, Airbus 319/320/321 Familiarization, Turkish Airlines, 2004

Education Management and Planning, Yağ Analiz Operatörlük ve Kalibre Eğitimi, 1nci Hava İkmal Bakım Merkezi, 2001

Other, Aircraft Powerplant & Airframe Technician Certificate Course, Anadolu Üniversitesi, 1999

### Dissertations

Doctorate, Uçak yapısal parçalarında kullanılan karbon/epoksi kompozit malzemelerin yorulma davranışı, Anadolu Üniversitesi, Fen Bilimleri Ens., Sivil Havacılık, 2009

Postgraduate, 2024-T3 Al alaşımının tek aşırı yük altında yorulma davranışı, Anadolu Üniversitesi, Fen Bilimleri Ens., Sivil Havacılık, 2002

## Research Areas

Aeronautical and Space Engineering, Metallurgical and Materials Engineering, Material science and engineering, Mechanical Properties, Composites, Aeronautical Engineering , Material Technologies, Metallic Materials, Engineering and Technology

## Academic Titles / Tasks

Assistant Professor, Erciyes University, Havacılık ve Uzay Bilimleri Fakültesi, Uçak Gövde ve Motor Bakımı, 2018 - Continues

Assistant Professor, Erciyes University, Havacılık ve Uzay Bilimleri Fakültesi, Uçak Gövde ve Motor Bakımı, 2015 - 2018

Assistant Professor, Erciyes University, Sivil Havacılık Yüksekokulu, Uçak Gövde-Motor, 2011 - 2015

Assistant Professor, Kahramanmaraş Sutcu Imam University, Mühendislik Mimarlık Fakültesi , Makine Mühendisliği, 2009 - 2011

Research Assistant, Anadolu University, Sivil Havacılık Y.O., Uçak Gövde Motor, 1999 - 2009

## Academic and Administrative Experience

Erciyes University, 2017 - 2020

Head of Department, Erciyes University, 2016 - 2020

Erciyes University, 2016 - 2020

Erciyes University, 2016 - 2017

Erciyes Üniversitesi, Sivil Havacılık Y.O., Uçak Gövde-Motor, 2011 - 2015

Erciyes University, 2011 - 2014

Kahramanmaraş Sütçü İmam Üniversitesi, Mühendislik Ve Mimarlık Fakültesi, Makine Mühendisliği, 2009 - 2011

## Courses

Bakım Uygulamaları, Undergraduate, 2011 - 2012

Uçak Bakımında Hasarsız Kontrol Yön., Postgraduate, 2011 - 2012

Kompozit Malzemeler, Undergraduate, 2011 - 2012

Hava Aracı Yapıları, Undergraduate, 2010 - 2011

Uçak Yapı ve Malzemelerinin Yorulma Davranışları, Postgraduate, 2011 - 2012

Havacılık Kuralları, Undergraduate, 2010 - 2011

## Advising Theses

KARCI A., Parçacık Takviyeli Al Matrisli Kompozitleri Yorulma Çatlak İlerleme Hızı Ve Yorulma Çatlak İlerleme Mekanizmaları, Postgraduate, E.ÇAKIR(Student), 2016

## Jury Memberships

Post Graduate, Tez Savunma Jürisi, Erciyes Üniversitesi, November, 2011

Post Graduate, Tez Savunma Jürisi, Kahramanmaraş Sütçü İmam Üni., May, 2010

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

- I. **Fatigue crack growth rate and propagation mechanisms of SiC particle reinforced Al alloy matrix composites**  
KARCI A., ERTURUN V., Cakir E., ÇAM Y.  
AIRCRAFT ENGINEERING AND AEROSPACE TECHNOLOGY, vol.96, no.2, pp.185-192, 2024 (SCI-Expanded)
- II. **Mikro Hava Aracında Çırpan Kanat Profiline Deneysel İncelenmesi,**  
YILMAZ İ., Keiyinci S., ÇAM Ö., KARCI A.  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.32, no.4, pp.1035-1050, 2017 (SCI-Expanded)
- III. **Çırpan kanadın aerodinamik parametrelerinin deneysel olarak incelenmesi**  
YILMAZ İ., Keiyinci S., ÇAM Ö., KARCI A.  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.32, no.4, pp.1035-1050, 2017 (SCI-Expanded)
- IV. **Experimental investigation of aerodynamic parameters on flapping wing**  
YILMAZ İ., KEİYİNCİ S., ÇAM Ö., KARCI A.  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.32, no.4, pp.1035-1050, 2017 (SCI-Expanded)
- V. **Failure analysis of an aircraft piston engine components**  
TURAN D., KARCI A.  
ENGINEERING FAILURE ANALYSIS, vol.16, no.4, pp.1339-1345, 2009 (SCI-Expanded)
- VI. **Microstructural observation of overload effect on the fatigue crack growth of 2024-T3 aluminium alloy**  
TURAN D., KARCI A., TURAN S.  
Inst. Phys. Conf. Ser., vol.179, pp.281-285, 2004 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Fatigue Crack Behaviour of Silicon Carbide Reinforced Aluminum Matrix Composites Under Single Overloads**  
Çam Y., Karıcı A.  
Academic Perspective Procedia, vol.2, no.3, pp.994-1007, 2019 (Peer-Reviewed Journal)
- II. **Experimental Investigation of Aerodynamic Performance of Different Wind Turbine Airfoils**  
Yılmaz İ., Cam O., Taştan M., Karıcı A.  
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, vol.19, no.4, pp.577-584, 2016 (ESCI)
- III. **Farklı Rüzgar Türbin Kanat Profillerinin Aerodinamik Performansının Deneysel İncelenmesi**  
Yılmaz I., Çam Ö., Taştan M., Karıcı A.  
Politeknik Dergisi, vol.19, no.4, pp.577-584, 2016 (Peer-Reviewed Journal)
- IV. **Periyodik Aşırı Yüklerin 2024-Al Alaşımında Yorulma Çatlak İlerleme Hızına Etkisi**  
KARCI A., TURAN D.  
Makine Teknolojileri Elektronik Dergisi, vol.6, pp.57-62, 2009 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Fatigue Crack Behaviour of Silicon Carbide Reinforced Aluminum Matrix Composites Under Single Overloads**  
Çam Y., Karıcı A.  
7. ULUSLARARASI MÜHENDİSLİK VE BİLİM ALANINDA YENİLİKÇİ TEKNOLOJİLER SEMPOZYUMU, Şanlıurfa, Turkey, 22 - 24 November 2019, vol.2, no.3, pp.994-1007
- II. **Parçacık Takviyeli Al Matrisli Kompozitlerin Yorulma Çatlak İlerleme Hızı ve Yorulma Çatlak İlerleme Mekanizmaları**

Karci A., Çakır E.

V. Ulusal Havaçlık ve Uzay Konferansı, Kayseri, Turkey, 8 - 10 September 2014, vol.1, no.50, pp.1-8

III. **Sürekli Elyafli Karbon/Epoksi Kompozit Plakaların Yorulma Davranışı**

KARCI A., TURAN D., ULUDAĞ A.

13th International Materials Symposium (IMSP'2010), Turkey, 1 - 04 October 2010, pp.1301-1308

IV. **Failure analysis of an aircraft piston engine components**

TURAN D., KARCI A.

Third International Conference on Engineering Failure Analysis, Spain, 13 - 16 July 2008

V. **Fatigue behaviour of woven carbon/epoxy composites used as aircraft structural components**

KARCI A., TURAN D.

5th INTERNATIONAL CONFERENCE ON POLYMERS, COMPOSITES AND ADHESIVES, Les Diablerets, New Zealand, 7 - 11 September 2008

VI. **The effect of block overloading on the fatigue behavior of 2024-T3 Al alloy**

KARCI A., TURAN D.

International Conference on Fatigue Damage of Structural Materials VII, Hyanis, Ma, United States Of America, 6 - 10 September 2008, pp.12

VII. **Fatigue Crack Growth Under Periodic Block Tensile Overloading**

KARCI A., TURAN D.

The 12th International Conference on Machine Design and Production, Turkey, 1 - 04 August 2006, pp.356-362

VIII. **Single and periodic overload effects on fatigue crack growth behaviour of 2024-T3 Alloy**

TURAN D., YIDIRIM B., KARCI A.

Ankara International Aerospace Conference, Turkey, 1 - 04 August 2005, pp.508-516

IX. **Microstructural observation of overload effect on the fatigue crack growth of 2024-T3 Al-alloy**

Turan D., KARCI A., Turan S.

Electron Microscopy and Analysis 2003 - Proceedings of the Institute of Physics Electron Microscopy and Analysis Group Conference, Oxford, United Kingdom, 3 - 05 September 2003, vol.179, pp.281-284

X. **2024-T3 Al Alaşımının Tek Aşırı Yük Altında Yorulma Çatlak İlerleme Davranışı**

KARCI A., TURAN D.

Kayseri 5. Havacılık Sempozyumu, Kayseri, Turkey, 1 - 04 July 2004, pp.918-925

## Other Publications

I. **Hasarsız Kontrol (NDI) Laboratuvarı İşletme ve Kalite El Kitabı**

KARCI A., KIRAN A., CELEBİ C.

Other, pp.65, 2009

## Supported Projects

KARCI A., CAM Y., Project Supported by Higher Education Institutions, SiC parçacık takviyeli alüminyum matrisli kompozitlerin tek aşırı yük altında yorulma davranışı, 2016 - 2018

KARCI A., ÇAKIR E., Project Supported by Higher Education Institutions, PARÇACIK TAKVİYELİ AL MATRİSLİ KOMPOZİTLERİN YORULMA ÇATLAK İLERLEME HIZI VE YORULMA ÇATLAK İLERLEME MEKANİZMALARI, 2014 - 2016

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

## Scientific Refereeing

AIRCRAFT ENGINEERING AND AEROSPACE TECHNOLOGY, Journal Indexed in SCI-E, February 2016

Project Supported by Higher Education Institutions, April 2011

## **Metrics**

Publication: 21

Citation (WoS): 8

Citation (Scopus): 6

H-Index (WoS): 2

H-Index (Scopus): 2

## **Congress and Symposium Activities**

13th International Materials Symposium (IMSP2010), Attendee, Denizli, Turkey, 2010

International Conference on Fatigue Damage of Structural Materials VII, Attendee, Hyannis, MA, United States Of America, 2008

The 12th International Conference on Machine Design and Production, Attendee, İzmir, Turkey, 2006

Kayseri 5. Havacılık Sempozyumu, Attendee, Kayseri, Turkey, 2004