

## Prof. ÖMER KELEŞ

### Personal Information

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### International Researcher IDs

ScholarID: VaOY9twAAAAJ

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Publons / Web Of Science ResearcherID: D-3554-2009

ScopusID: 6701709455

Yoksis Researcher ID: 11901

### Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Makine Mühendisliği (Dr), Turkey 1993 - 1998

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Makine Mühendisliği (YI) (Tezli), Turkey 1989 - 1992

Undergraduate, Gazi University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, Turkey 1985 - 1989

### Dissertations

Doctorate, Puls genişliği modülasyonu ile hidrolik konum kontrolünün teorik ve deneysel incelenmesi, Gazi University, Fen Bilimleri Enstitüsü, Makine Mühendisliği (Dr), 1998

Postgraduate, Uzay mekanizmalarının bilgisayar destekli kinematik analizi, Gazi University, Fen Bilimleri Enstitüsü, Makine Mühendisliği (YI) (Tezli), 1992

### Research Areas

Construction and Manufacturing, Non-traditional manufacturing methods, Machine Theory and Dynamics, Machine Dynamics, System Dynamics and Control, Mechanisms, Vehicle Systems Dynamics, Robotics, Mechatronics, Modeling and Simulation of Dynamic Systems

### Academic Titles / Tasks

Professor, Gazi University, Mühendislik Fakültesi, Makina Mühendisliği, 2013 - Continues

Associate Professor, Gazi University, Mühendislik Fakültesi, Makina Mühendisliği, 2007 - 2013

Assistant Professor, Gazi University, Mühendislik Fakültesi, Makina Mühendisliği, 2006 - 2007

Lecturer PhD, Gazi University, Mühendislik Fakültesi, Makina Mühendisliği, 2002 - 2006

Research Assistant, Gazi University, Mühendislik Fakültesi, Makina Mühendisliği, 1990 - 2002

Researcher, University of Wisconsin - Madison, Faculty of Engineering, Department of Mechanical Engineering, 1999 - 1999

Researcher, Northeastern University, Faculty of Engineering, Department of Mechanical Engineering, 1995 - 1995

## Academic and Administrative Experience

University Executive Board Member, Gazi University, Mühendislik Fakültesi, Makina Mühendisliği, 2017 - 2020

Dean, Gazi University, Mühendislik Fakültesi, Makina Mühendisliği, 2017 - 2020

Member of the Senate, Gazi University, Mühendislik Fakültesi, Makina Mühendisliği, 2017 - 2020

University Executive Board Member, Gazi University, Mühendislik Fakültesi, Makina Mühendisliği, 2016 - 2017

Member of the Senate, Gazi University, Mühendislik Fakültesi, Makina Mühendisliği, 2016 - 2017

Dean, Gazi University, Mühendislik Fakültesi, Makina Mühendisliği, 2016 - 2017

Fakülte Kurulu Üyesi, Gazi University, Mühendislik Fakültesi, Makina Mühendisliği, 2013 - 2016

## Courses

Industrial Hydraulic, Undergraduate, 2022 - 2023, 2021 - 2022

Otomotive Engineering 1, Undergraduate, 2021 - 2022, 2020 - 2021

## Advising Theses

Keleş Ö., Yılbaş B. S., Characterisation of additively manufactured parts and investigation of postprocess effects on material properties, Doctorate, R.ECMEL(Student), 2022

KELEŞ Ö., Investigation Of The Effect Of Different Piston Pump Types Used In Aviation On Power Consumption, Postgraduate, A.BULUT(Student), 2021

KELEŞ Ö., Production And Characterization Of Re-Entrant Shaped Auxetic Structures And Boron Nitride Mixed Filaments By Additive Manufacturing, Postgraduate, A.Taha(Student), 2021

KELEŞ Ö., Production Of Ti6Al4v Gear By Additive Manufacturing For Helicopter And Investigation Of The Effect Of Post-Processing, Postgraduate, M.Şamil(Student), 2021

Keleş Ö., Structural Design Of Aircraft Wing With Using Integrated Stiffened Panel, Postgraduate, K.TEKKANAT(Student), 2021

Keleş Ö., Design And Modelling Of Control Actuation System With Air Intake, Doctorate, O.FATİH(Student), 2020

KELEŞ Ö., Design And Investigation Of Wing Deployment Mechanism, Postgraduate, İ.YILMAZ(Student), 2018

KELEŞ Ö., Vibration Fatigue Investigation Of Solder Joints Used In Avionic Systems, Postgraduate, N.KAYA(Student), 2018

KELEŞ Ö., Design And Dynamic Investigation Of Fin Deployment System Of An Air Vehicle, Postgraduate, M.AVCI(Student), 2018

KELEŞ Ö., Numerical And Experimental Investigation Of Springback Of Ti Alloys By Hydroforming With Membrane Diaphragm, Postgraduate, C.SERTAÇ(Student), 2015

KELEŞ Ö., Investigation of the effect of severe plastic deformation on the mechanical properties of ceramicparticle reinforced aluminium alloy, Postgraduate, SAHMADZADEH(Student), 2014

KELEŞ Ö., Magnetorheological engine mount design and experimental characterization, Postgraduate, T.TÜRKÜCÜ(Student), 2013

KELEŞ Ö., Lazerle kaynak işleminde kaynak parametrelerinin kaynak kalitesi üzerindeki etkilerinin incelenmesi, Postgraduate, R.ONUR(Student), 2010

KELEŞ Ö., Çift fazlı bir çeliğin 7,62 mm'lik zırh delici mermi karşısında balistik davranışının incelenmesi, Postgraduate, H.DENİZ(Student), 2009

KELEŞ Ö., INVESTIGATION OF THE EFFECT OF CUTTING PARAMETERS ON THE KERF WIDTH AND SURFACE QUALITY

DURING THE LASER CUTTING PROCESS, Postgraduate, U.ÖNER(Student), 2008

KELEŞ Ö., Alümina takviyeli alüminyum esaslı kompozitlerin frezelenmesinde kesme parametrelerinin işleme performansına etkisi, Postgraduate, C.EMRE(Student), 2008

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

- I. **The investigation of open loop performance of electro-pneumatic control actuator system with air intake** Hava alıklı elektro-pnömatik kontrol tahrik sisteminin açık çevrim performansının incelenmesi  
Ercis O. F., KELEŞ Ö.  
Journal of the Faculty of Engineering and Architecture of Gazi University, vol.39, no.4, pp.2329-2342, 2024 (SCI-Expanded)
- II. **Effect of Post Processes on Mechanical Properties of 3D Printed Ti6Al4V Gears**  
Kaya M. Ş., Ece R. E., Keleş Ö., Qader A., Yilbas B. S.  
JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, vol.31, no.8, pp.6300-6309, 2022 (SCI-Expanded)
- III. **Numerical and experimental investigation of deployment behaviour of folded fin mechanism based on the dynamic loading conditions**  
Avci M., Taga O., Keleş Ö.  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.37, no.3, pp.1689-1702, 2022 (SCI-Expanded)
- IV. **Additive manufacturing of Ti-alloy: Thermal analysis and assessment of properties**  
KELEŞ Ö., Shuja S. Z., Yilbas B. S., Al-Qahtani H., Hassan G., Adesina A. Y., Rinaldi A., Khaled M., Al-Sharafi A.  
ADVANCES IN MECHANICAL ENGINEERING, vol.12, no.6, 2020 (SCI-Expanded)
- V. **Magneto-rheological engine mount design and experimental characterization**  
Turkucu T., KELEŞ Ö.  
JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY, vol.32, no.11, pp.5171-5178, 2018 (SCI-Expanded)
- VI. **Laser cutting of triangular geometry into 2024 aluminum alloy: Influence of triangle size on thermal stress field**  
Yilbas B. S., Akhtar S. S., KELEŞ Ö., BORAN K.  
JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY, vol.29, no.8, pp.3239-3248, 2015 (SCI-Expanded)
- VII. **Laser cutting of small diameter hole in aluminum foam**  
Yilbas B. S., Akhtar S. S., KELEŞ Ö.  
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.79, pp.101-111, 2015 (SCI-Expanded)
- VIII. **Laser cutting of rectangular geometry in 2024 aluminum alloy: Thermal stress analysis**  
Kardas O. O., KELEŞ Ö., Akhtar S., Yilbas B. S.  
OPTICS AND LASER TECHNOLOGY, vol.64, pp.247-256, 2014 (SCI-Expanded)
- IX. **Laser cutting of rectangular geometry into aluminum alloy: Effect of cut sizes on thermal stress field**  
Akhtar S., Kardas O. O., KELEŞ Ö., Yilbas B. S.  
OPTICS AND LASERS IN ENGINEERING, vol.61, pp.57-66, 2014 (SCI-Expanded)
- X. **The ballistic performance of SiC-AA7075 functionally graded composite produced by powder metallurgy**  
ÜBEYLİ M., BALCI E., Sarikan B., Oztas M. K., CAMUŞCU N., YILDIRIM R. O., KELEŞ Ö.  
MATERIALS & DESIGN, vol.56, pp.31-36, 2014 (SCI-Expanded)
- XI. **Laser cutting of triangular blanks from thick aluminum foam plate: Thermal stress analysis and morphology**  
Yilbas B. S., Akhtara S., KELEŞ Ö.  
APPLIED THERMAL ENGINEERING, vol.62, no.1, pp.28-36, 2014 (SCI-Expanded)
- XII. **LASER CUTTING OF LARGE DIAMETER HOLES INTO ALUMINUM FOAM**  
Yilbas B. S., Akhtar S., KELEŞ Ö.  
MACHINING SCIENCE AND TECHNOLOGY, vol.17, no.4, pp.524-544, 2013 (SCI-Expanded)

- XIII. **Laser Cutting of Aluminum Foam: Experimental and Model Studies**  
Yilbas B. S., Akhtar S. S., KELEŞ Ö.  
JOURNAL OF MANUFACTURING SCIENCE AND ENGINEERING-TRANSACTIONS OF THE ASME, vol.135, no.5, 2013 (SCI-Expanded)
- XIV. **Laser cutting of triangular geometries in aluminum foam: Effect of cut size on thermal stress levels**  
Yilbas B. S., Akhtar S. S., KELEŞ Ö.  
OPTICS AND LASER TECHNOLOGY, vol.48, pp.523-529, 2013 (SCI-Expanded)
- XV. **Laser hole cutting in aluminum foam: Influence of hole diameter on thermal stress**  
Yilbas B. S., Akhtar S. S., KELEŞ Ö.  
OPTICS AND LASERS IN ENGINEERING, vol.51, no.1, pp.23-29, 2013 (SCI-Expanded)
- XVI. **Laser Cutting Process: Influence of Workpiece Thickness and Laser Pulse Frequency on the Cut Quality**  
KELEŞ Ö., Oner U.  
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.37, no.8, pp.2277-2286, 2012 (SCI-Expanded)
- XVII. **INVESTIGATION EFFECT ON WELDING QUALITY OF LASER WELDING PARAMETERS**  
Uzun R. O., KELEŞ Ö.  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.27, no.3, pp.509-517, 2012 (SCI-Expanded)
- XVIII. **Laser straight cutting of Ti-6Al-4V alloy: Temperature and stress fields**  
Yilbas B., Akhtar S., KELEŞ Ö.  
MATERIALS AND SURFACE ENGINEERING: RESEARCH AND DEVELOPMENT, no.2, pp.243-265, 2012 (SCI-Expanded)
- XIX. **Effect of cutting parameters on cutting force and surface roughness in milling alumina reinforced Al-6Zn-2Mg-2Cu composites**  
Ubeyli M., Acir A., KELEŞ Ö., Akcay C. E.  
POWDER METALLURGY, vol.54, no.2, pp.172-176, 2011 (SCI-Expanded)
- XX. **Ballistic impact performance of an armor material consisting of alumina and dual phase steel layers**  
Ubeyli M., Deniz H., DEMİR T., ÖGEL B., Gurel B., KELEŞ Ö.  
MATERIALS & DESIGN, vol.32, no.3, pp.1565-1570, 2011 (SCI-Expanded)
- XXI. **Laser cutting of 7050 Al alloy reinforced with Al<sub>2</sub>O<sub>3</sub> and B<sub>4</sub>C composites**  
Yilbas B. S., Khan S., Raza K., KELEŞ Ö., Ubeyli M., DEMİR T., Karakas M. S.  
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.50, pp.185-193, 2010 (SCI-Expanded)
- XXII. **Investigation on the ballistic performance of a dual phase steel against 7.62 mm AP projectile**  
Ubeyli M., DEMİR T., Deniz H., YILDIRIM R. O., KELEŞ Ö.  
MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, vol.527, pp.2036-2044, 2010 (SCI-Expanded)
- XXIII. **A Study of the Laser Cutting Process: Influence of Laser Power and Cutting Speed on Cut Quality**  
KELEŞ Ö., Oner U.  
LASERS IN ENGINEERING, vol.20, pp.319-327, 2010 (SCI-Expanded)
- XXIV. **Wedge cutting of mild steel by CO(2) laser and cut-quality assessment in relation to normal cutting**  
Yilbas B. S., Karatas C., Uslan İ., KELEŞ Ö., USTA Y., Yilbas Z., Ahsan M.  
OPTICS AND LASERS IN ENGINEERING, vol.46, no.10, pp.777-784, 2008 (SCI-Expanded)
- XXV. **Laser cutting of Kevlar and mild steel composite structure: End product quality assessment**  
Al-Sulaiman F., Yilbas B. S., Karatas C., KELEŞ Ö., Uslan İ., USTA Y., Ahsan M., Bazoune A.  
JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, vol.16, no.1, pp.22-29, 2007 (SCI-Expanded)
- XXVI. **Design and testing of a hydraulic position control system for profile turning on a conventional lathe**  
**Klasik bir torna tezgahi için bilgisayar kontrollu profil tornalama sistemi geliştirilmesi**  
Keleş Ö., Usta Y., Yeşilbağ Y. Y., Ercan Y.  
Journal of the Faculty of Engineering and Architecture of Gazi University, vol.21, pp.553-565, 2006 (SCI-Expanded)
- XXVII. **Electrochemical properties of the laser nitrided surfaces of Ti-6Al-4V alloy**

- Yibas B. S., Khaled M., Karatas C., Uslan İ., KELEŞ Ö., USTA Y., Ahsan M.  
Surface and Coatings Technology, vol.201, no.3-4, pp.679-685, 2006 (SCI-Expanded)
- XXVIII. **CO2 laser gas assisted nitriding of Ti-6Al-4V alloy**  
Yibas B. S., Karatas C., Uslan U., KELEŞ Ö., Usta I. Y., Ahsan M.  
APPLIED SURFACE SCIENCE, vol.252, no.24, pp.8557-8564, 2006 (SCI-Expanded)
- XXIX. **Laser cutting of steel sheets: Influence of workpiece thickness and beam waist position on kerf size and stria formation**  
Karatas C., KELEŞ Ö., Uslan İ., USTA Y.  
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, vol.172, no.1, pp.22-29, 2006 (SCI-Expanded)
- XXX. **Laser cutting of corners: Assessment of cutting quality**  
Yilbas B., Karatas C., KELEŞ Ö., Uslan İ., USTA Y., Ahsan M., Yilbas Z.  
LASERS IN ENGINEERING, vol.16, pp.157-171, 2006 (SCI-Expanded)
- XXXI. **Thermal stress development and entropy change during laser pulse heating of a steel surface**  
KELEŞ Ö.  
LASERS IN ENGINEERING, vol.15, pp.179-196, 2005 (SCI-Expanded)
- XXXII. **Experimental investigation of a pulse-width modulated electro-hydraulic servo system Puls genişliği modülasyonlu elektrohidrolik bir servo sisteminin deneysel incelenmesi**  
KELEŞ Ö., Ercan Y.  
Journal of the Faculty of Engineering and Architecture of Gazi University, vol.19, no.1, pp.107-117, 2004 (SCI-Expanded)
- XXXIII. **Design and testing of a hydraulic position control system for oval turning on a conventional lathe Torna tezgahlarında oval kesme yapacak hidrolik düzenek geliştirilmesi**  
USTA Y., KELEŞ Ö., Ercan Y.  
Journal of the Faculty of Engineering and Architecture of Gazi University, vol.18, no.3, pp.1-14, 2003 (SCI-Expanded)
- XXXIV. **Theoretical and experimental investigation of a pulse-width modulated digital hydraulic position control system**  
KELEŞ Ö., Ercan Y.  
CONTROL ENGINEERING PRACTICE, vol.10, no.6, pp.645-654, 2002 (SCI-Expanded)
- XXXV. **Theoretical investigation of a pulse-width modulated electro-hydraulic servo system Puls genişliği modülasyonlu elektrohidrolik bir servo sisteminin teorik incelenmesi**  
KELEŞ Ö., Ercan Y.  
Journal of the Faculty of Engineering and Architecture of Gazi University, vol.15, pp.49-69, 2000 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Investigation on post heat treatment parameters of additively manufactured AlSi10Mg parts in terms of time and build direction**  
Ece R. E., Keleş Ö., Yilbaş B. S.  
Niğde Ömer Halisdemir Üniversitesi Mühendislik Bilimleri Dergisi, vol.11, no.4, pp.1146-1153, 2022 (Peer-Reviewed Journal)
- II. **Wetting state of 3D printed Ti-6Al-4V alloy surface**  
KELEŞ Ö., Qadeer A., Yilbas B. S.  
ADVANCES IN MATERIALS AND PROCESSING TECHNOLOGIES, vol.8, no.3, pp.2465-2475, 2022 (ESCI)
- III. **Additive manufacturing of layer of Ti6Al4V alloy: morphology and metallurgical properties**  
KELEŞ Ö., Abdelmagid G., Adesina A. Y., Anand A. R. B., Khaled M., Al-Sharafi A., Yilbas B. S.  
ADVANCES IN MATERIALS AND PROCESSING TECHNOLOGIES, vol.8, no.1, pp.875-883, 2022 (ESCI)
- IV. **Simulation and Modelling of an Electro-Pneumatic System with Air Intake**  
Erciş O. F., Keleş Ö.  
Savunma Bilimleri Dergisi, vol.19, no.38, pp.43-67, 2020 (Peer-Reviewed Journal)

- V. **Structural Design of Aircraft Wing by Using Integrally Stiffened Panel**  
Tekkanat K., Keleş Ö.  
Avrupa Bilim ve Teknoloji Dergisi, no.Ejosat Özel Sayı 2020 (ARACONF), pp.64-71, 2020 (Peer-Reviewed Journal)
- VI. **Biyomedikal Uygulamalar İçin TiN Kaplı Ti6Al4V Alaşımının Mekanik Özelliklerinin Araştırılması**  
URTEKİN L., KELEŞ Ö.  
Savunma Bilimleri Dergisi, vol.18, pp.91-108, 2019 (Peer-Reviewed Journal)
- VII. **Effect of Equal Channel Angular Pressing on Microstructure and Mechanical Properties of Aluminum Based Composite Materials**  
Ahmadzadeh S., KELEŞ Ö., Camuscu N.  
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.30, no.3, pp.51-61, 2017 (ESCI)
- VIII. **Laser cutting of 2024 aluminium alloy and cutting quality assessment**  
KELEŞ Ö., yilbas b. s.  
Advances in Materials and Processing Technologies, vol.1, pp.164-171, 2015 (Scopus)
- IX. **Klasik Bir Torna Tezgahı İçin Bilgisayar Kontrollü Profil Tornalama Tezgahı II**  
KELEŞ Ö., USTA Y., YEŞİLBAĞ Y., ERCAN Y.  
Endüstri & Otomasyon, no.108, pp.52-56, 2006 (Peer-Reviewed Journal)
- X. **Klasik Bir Torna Tezgahı İçin Bilgisayar Kontrollü Profil Torna Tezgahı I**  
KELEŞ Ö., USTA Y., YEŞİLBAĞ Y., ERCAN Y.  
Endüstri & Otomasyon, no.107, pp.24-27, 2006 (Peer-Reviewed Journal)
- XI. **DESIGN AND TESTING OF A HYDRAULIC POSITION CONTROL SYSTEM FOR PROFILE TURNING ON A CONVENTIONAL LATHE**  
Keleş Ö., Usta Y., Yeşilbağ Y. Y., Ercan Y.  
Gazi Üniversitesi Müh. Mim. Fak. Dergisi, vol.21, no.3, pp.553-565, 2006 (Peer-Reviewed Journal)
- XII. **Puls Genişliği Modülasyonlu Elektrohidrolik bir Servo Sisteminin Deneysel İncelenmesi**  
KELEŞ Ö., ERCAN Y.  
Gazi Üniversitesi Müh. Mim. Fak. Dergisi, vol.19, no.1, pp.107-118, 2004 (Peer-Reviewed Journal)
- XIII. **Torna Tezgahlarında Oval Kesme Yapacak Hidrolik Düzenek Geliştirilmesi**  
USTA Y., KELEŞ Ö., ERCAN Y.  
Gazi Üniversitesi Müh. Mim. Fak. Dergisi, vol.18, no.3, pp.1-14, 2003 (Peer-Reviewed Journal)
- XIV. **Puls Genişliği Modülasyonu Tekniğinin Bilgisayar Kontrollü Hidrolik Sistemlere Uygulanması**  
KELEŞ Ö., ERCAN Y.  
Endüstri & Otomasyon, no.40, pp.36-43, 2000 (Peer-Reviewed Journal)
- XV. **Puls Genişliği Modülasyonlu Elektrohidrolik bir Servo Sisteminin Teorik İncelenmesi**  
KELEŞ Ö., ERCAN Y.  
Gazi Üniversitesi Müh. Mim. Fak. Dergisi, vol.15, no.2, pp.49-69, 2000 (Peer-Reviewed Journal)

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

- I. **Muharip Uçaklarda Farklı Değişken Deplasmanlı Pistonlu Pompa Tiplerinin Güç Tüketimine Etkisinin İncelenmesi**  
Bulut A., Keleş Ö.  
IX. Ulusal Hidrolik Pnömatik Kongresi, İzmir, Turkey, 16 - 19 November 2022, pp.1-19
- II. **EKLEMELİ İMALAT İLE ÜRETİLMİŞ Ti6Al4V PARÇAYA UYGULANAN FARKLI ARDIL İŞLEMLERİN MEKANİK ÖZELLİKLERE ETKİSİNİN KIYASLANMASI**  
Kaya M. Ş., Keleş Ö.  
5. ULUSLARARASI ERCİYES BİLİMSEL ARAŞTIRMALAR KONGRESİ, Kayseri, Turkey, 16 - 17 April 2021, vol.5, no.1, pp.103
- III. **FARKLI İÇ DOLULUK ORANLARINA SAHİP PLA'NIN FDM YÖNTEMİ İLE ÜRETİMİ MEKANİK ÖZELLİKLERİNİN ARAŞTIRILMASI**  
Özen A. T., Keleş Ö., Evis Z.

5. ULUSLARARASI ERCİYES BİLİMSEL ARAŞTIRMALAR KONGRESİ, Kayseri, Turkey, 16 - 17 April 2021, pp.18
- IV. **AN INVESTIGATION OF THE EFFECT OF DIFFERENT VARIABLE DISPLACEMENT PISTON PUMP TYPES ON POWER CONSUMPTION IN CIVIL JET AIRCRAFT**  
Bulut A., Keleş Ö.  
EUROASIA CONGRESS ON SCIENTIFIC RESEARCHES AND RECENT TRENDS-VII, Baku, Azerbaijan, 6 - 09 December 2020, pp.107-108
- V. **Structural Design of Aircraft Wing by Using Integrally Stiffened Panel**  
Tekkanat K., Keleş Ö.  
International Conference on Access to Recent Advances in Engineering and Digitalization, Kayseri, Turkey, 5 - 07 March 2020, pp.29-30
- VI. **WETTING STATE OF 3D PRINTED Ti-6Al-4V ALLOY SURFACE**  
KELEŞ Ö., Kılıç D., Qadeer A., Yilbas B. S.  
International Conference on Advances in Materials and Processing Technologies, Taipei, Taiwan, 20 - 24 October 2019
- VII. **HAZIRDA BULUNURLUK HEDEFİNE GÖRE BİR ASKERİ ARACIN ALT SİSTEMLERİ İÇİN ORTALAMA ONARIM SÜRELERİNİN BELİRLENMESİ**  
Kalender B., KELEŞ Ö.  
I. Uluslararası Bilim ve İnovasyon Kongresi, Denizli, Turkey, 26 - 29 August 2019
- VIII. **Additive Manufacturing of Layer of Ti6Al4V alloy: Morphology and Metallurgical Properties**  
KELEŞ Ö., Kılıç D., Abdelmagid G., Adesina A. Y., Bin Anand A. R., Khaled M., AlSharafi A., Yilbas B. S.  
Advances in Materials and Processing Technologies, 4 - 07 September 2018
- IX. **INVESTIGATION OF MECHANICAL PROPERTIES OF TiN COATING OF Ti-6Al-4V ALLOYS**  
URTEKİN L., KELEŞ Ö.  
The International Conference on Materials Science Mechanical and Automotive Engineerings and Technology, 10 - 12 April 2018
- X. **Springback prediction of CP2 titanium sheets in hydroforming with membrane diaphragm process with finite element method**  
Aydoğan C. S., Hatipoğlu H. A., KELEŞ Ö.  
5th International Conference on New Forming Technology (ICNFT), Bremen, Germany, 18 - 21 September 2018, vol.190
- XI. **Environmental dust effects on laser treated Ti-6Al-4V alloy and its potential on sustainable architecture**  
Yilbas B. S., KELEŞ Ö., TOPRAKLI A. Y.  
International Conference on Advances in Materials and Processing Technologies 2017, 11 - 14 December 2017
- XII. **Laser texturing of tungsten surface for enhanced solar absorption: potentials on sustainable architecture**  
Yilbas B. S., KELEŞ Ö., TOPRAKLI A. Y., Ali H., AlSharafi A.  
International Conference on Advances in Materials and Processing Technologies 2017, Chennai, India, 11 - 14 December 2017
- XIII. **Determination of Friction and Damping Coefficients of Folded Cover Mechanism Deployed by Torsion Springs**  
Yılmaz i., Tağa O., Kosar F., KELEŞ Ö.  
19th International Conference on Engineering Systems Design and Analysis, 7 - 08 June 2017
- XIV. **Surface Engineering towards Self-Cleaning Applications: Laser Textured Silicon Surface**  
Yilbas B. S., KELEŞ Ö., TOPRAKLI A. Y.  
Advances in Material and Processing Technologies Conference (AMPT), Kuala-Lumpur, Malaysia, 8 - 11 November 2016, vol.184, pp.716-724
- XV. **SURFACE ENGINEERING TOWARDS SELF CLEANING APPLICATIONS**  
Yilbas B. S., KELEŞ Ö., TOPRAKLI A. Y.  
Advances in Material Processing Technologies Conference, 8 - 11 November 2016
- XVI. **Havacılık Sistemlerinde Kullanılan Baskı Devre Kartları ve Bileşenlerinin Titreşim ve Yorulma Analizi**

Kaya N., Okur E., Nakkaş H. E., Fatih K., KELEŞ Ö.

3rd INTERNATIONAL CONFERENCE ON COMPUTATIONAL AND EXPERIMENTAL SCIENCE AND ENGINEERING, 19 - 24 October 2016

**XVII. Katlanır Kapak Mekanizmasının Sürtünme ve Sönüm Katsayısının Deneysel ve Sayısal Çalışmalara göre Belirlenmesi**

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**XVIII. Manyeto Reolojik Motor Takoza Titreşim Karakteristiklerinin İncelenmesi**

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**XX. Experimental Investigation of Laser-Drilled Holes Variations Depending on Laser Drilling Parameters**

Uslan İ., Erdogan S., KELEŞ Ö., USTA Y., Yilbas B. S., Tuc B.

14th International Conference on Advances in Materials and Processing Technologies (AMPT), İstanbul, Turkey, 13 - 16 July 2011, vol.445, pp.448-449

**XXI. Magnetostrictive Actuator Modeling and Placement**

Sunar M., KELEŞ Ö.

International Conference on Advances in Materials and Processing Technologies, Manama, Bahrain, 2 - 05 November 2008, pp.281-282

## Supported Projects

KELEŞ Ö., Project Supported by Higher Education Institutions, Manyeto-Reolojik Akışkanlı Motor Takoza Tasarımı ve Karakteristiğinin Belirlenmesi, 2011 - 2013

KELEŞ Ö., Project Supported by Higher Education Institutions, TİN Kaplanmış T-6A1-4V Alaşımının Mekanik Özelliklerinin Üç-Noktalı Eğme Testleri İle İncelenmesi, 2005 - 2008

KELEŞ Ö., Project Supported by Higher Education Institutions, Lazerle Kesme Sırasında Kesme Hızının Kesme Aralığı ve Kesme Kalitesi Üzerindeki Etkilerinin İncelenmesi, 2005 - 2007

## Activities in Scientific Journals

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, First Editor, 2014 - 2015

## Metrics

Publication: 71

Citation (WoS): 461

Citation (Scopus): 564

H-Index (WoS): 13

H-Index (Scopus): 15

## Non Academic Experience



University, Turkish-Japanese Science and Technology University, Rectorate

TUSAŞ TEI

Company, TUSAŞ ENGINE INDUSTRIES, INC., Board of Director

Company, SSTEK Defense Industry Technologies Inc., Board of Director

SSTEK A.Ş.

TUBITAK, TÜBİTAK The Scientific and Technological Research Council of Türkiye, TEYDEB Technology and Innovation Support Programs Presidency

Presidency, Defence Industry Agency, Advisory Board

Ministry, Ministry of Science, Industry and Technology, SANTEZ Evaluation Commission

TUBITAK, TÜBİTAK The Scientific and Technological Research Council of Türkiye, Science and Society Programs