

Prof. MELİH CEMAL KUŞHAN

Personal Information

Email: mkushan@ogu.edu.tr

Other Email: erzesk@gmail.com

Web: <https://avesis.ogu.edu.tr/mkushan>

International Researcher IDs

ORCID: 0000-0002-9427-6192

Yoksis Researcher ID: 171731

Education Information

Post Doctorate, James Cook University, Engineering, Mechanical Engineering, Australia 2008 - 2009

Doctorate, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Makine Mühendisliği (Dr), Turkey 1988 - 1996

Postgraduate, Anadolu University, Institute Of Science, Endüstri Mühendisliği (YI) (Tezli), Turkey 1985 - 1988

Undergraduate, Dokuz Eylül University, Mühendislik Fakültesi, Makina Mühendisliği Bölümü, Turkey 1981 - 1985

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Vocational Course, Sıvı Penetrant Kontrol (Seviye-I) Kursu, TMMOB MMO, 2014

Occupational Health and Safety, İş Yeri Hekimliği ve İş Güvenliği Uzmanlığı, ÇSGB, 2014

R&D Management, Ürün Belgelendirme Temel Eğitimi, TSE, 2013

Occupational Health and Safety, Basınçlı Kaplar Dış İnceleme Uzmanlığı Sertifikası , TSE, 2013

Quality Management, ISO 9001 Kalite Yönetim Sistemi, KGS Danışmanlık, 2010

Quality Management, Öğretim Tasarımı Eğitim Programı, Eskişehir Osmangazi Üniversitesi, 2009

Quality Management, Öğrenci İlgisi ve Öğrenme, Eskişehir Osmangazi Üniversitesi, 2009

Quality Management, Öğrenciler Arası İşbirliği Becerileri, Eskişehir Osmangazi Üniversitesi, 2009

Vocational Course, Model Uçak ve Model Roket Sertifikası , THK, 2007

Dissertations

Post Doctorate, A New APU Failure Warning and Record Control System in Aircraft, James Cook University, College of Science and Engineering, Mechanical Engineering, 2009

Doctorate, Elektron bombardıman kaynaklı Fe-Ni esaslı inconel 718'xxin ısı tesiri altındaki bölgedeki mikroçatlakların incelenmesi, Eskişehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Makine Mühendisliği (Dr), 1996

Postgraduate, Endüstri İşletmelerinde Robot Kullanımının Ekonomik Analizi, Anadolu University, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği (YI) (Tezli), 1988

Research Areas

Engineering and Technology

Academic Titles / Tasks

Associate Professor, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, MAKİNE MÜHENDİSLİĞİ BÖLÜMÜ, 2015 - 2020

Associate Professor, Uluslararası Türkmen Türk Üniversitesi, İnşaat Fakültesi, Sanat İnşaatlığı, 2014 - 2015

Assistant Professor, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, MAKİNE MÜHENDİSLİĞİ BÖLÜMÜ, 2009 - 2014

Assistant Professor, James Cook University, College of Science and Engineering, Division of Mechanical Engineering, 2008 - 2009

Assistant Professor, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, MAKİNE MÜHENDİSLİĞİ BÖLÜMÜ, 1996 - 2008

Research Assistant, Anadolu University, Faculty Of Engineering-Architecture, Department Of Mechanical Engineering, 1988 - 1993

Research Assistant, Anadolu University, Faculty Of Engineering-Architecture, Department Of Industrial Engineering, 1985 - 1988

Academic and Administrative Experience

Faculty Management Board Member, Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, 2024 - Continues
Rectorate Commissioner, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, UÇAK MÜHENDİSLİĞİ BÖLÜMÜ, 2021 - Continues

Fakülte Akademik Kurul Üyesi, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, UÇAK MÜHENDİSLİĞİ BÖLÜMÜ, 2021 - Continues

Scientific Award Committee Member, Eskisehir Osmangazi University, REKTÖRLÜK, 2021 - Continues

Head of Department, Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Uçak Mühendisliği Bölümü, 2021 - Continues

Bölüm Akademik Teşvik Değerlendirme Komisyonu Başkanı, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, UÇAK MÜHENDİSLİĞİ BÖLÜMÜ, 2021 - Continues

Head of Department, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, UÇAK MÜHENDİSLİĞİ BÖLÜMÜ, 2020 - Continues

Uygulama ve Araştırma Merkezi Yönetim Kurulu Üyesi, Eskisehir Osmangazi University, REKTÖRLÜK, 2020 - Continues

Head of Department, Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Uçak Mühendisliği Bölümü, 2020 - Continues

YÖKAK Kurumsal Dış Değerlendirme Komisyonu Üyesi, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, UÇAK MÜHENDİSLİĞİ BÖLÜMÜ, 2018 - Continues

Erasmus Program Institutional Coordinator, Eskisehir Osmangazi University, 2016 - Continues

Erasmus Coordinator, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Havacılık Bilimi ve Teknolojileri, 2015 - Continues

Head of Department, Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Fen Bil.Enst.Md.Lüğü, 2016 - 2022

University Executive Board Member, Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, 2021 - 2021

Academic Performance D. Board Member, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, MAKİNE MÜHENDİSLİĞİ BÖLÜMÜ, 2018 - 2020

IAESTE ESOGÜ Koordinatörlüğü, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, UÇAK MÜHENDİSLİĞİ BÖLÜMÜ, 2008 - 2009

Deputy Head of Department, Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Metalurji Ve Malzeme

Mühendisliği Bölümü, 2003 - 2004

Deputy Head of Department, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, METALURJİ VE MALZEME MÜHENDİSLİĞİ BÖLÜMÜ, 2001 - 2002

Courses

Doctorate

MOTORSUZ UÇUŞ PRENSİBİ, Doctorate, 2023 - 2024

MOTORSUZ UÇUŞ PRENSİBİ, Doctorate, 2021 - 2022

UZMANLIK ALAN DERSİ, Doctorate, 2021 - 2022

DOKTORA YETERLİK, Doctorate, 2021 - 2022

DOKTORA TEZ ÇALIŞMASI, Doctorate, 2021 - 2022

MOTORSUZ UÇUŞ PRENSİBİ, Doctorate, 2021 - 2022

DOKTORA SEMİNER, Doctorate, 2020 - 2021

UZMANLIK ALAN DERSİ, Doctorate, 2021 - 2022

DOKTORA YETERLİK, Doctorate, 2021 - 2022

DOKTORA TEZ ÇALIŞMASI, Doctorate, 2021 - 2022

MOTORSUZ UÇUŞ PRENSİBİ, Doctorate, 2020 - 2021

DOKTORA TEZ ÇALIŞMASI, Doctorate, 2020 - 2021

Postgraduate

UZMANLIK ALAN DERSİ, Postgraduate, 2022 - 2023

UZMANLIK ALAN DERSİ, Postgraduate, 2021 - 2022

YÜKSEK LİSANS TEZ ÇALIŞMASI, Postgraduate, 2021 - 2022

YÜKSEK LİSANS TEZ ÇALIŞMASI, Postgraduate, 2021 - 2022

HAVACILIK MALZEMELERİ, Postgraduate, 2021 - 2022

UÇAK GÖVDESİ, Postgraduate, 2021 - 2022

506701702 YÜKSEK LİSANS TEZ ÇALIŞMASI, Postgraduate, 2020 - 2021

HAVACILIK MALZEMELERİ, Postgraduate, 2021 - 2022

YÜKSEK LİSANS TEZ ÇALIŞMASI, Postgraduate, 2020 - 2021

SEMİNER, Postgraduate, 2020 - 2021

UZMANLIK ALAN DERSİ, Postgraduate, 2021 - 2022

YÜKSEK LİSANS TEZ ÇALIŞMASI, Postgraduate, 2021 - 2022

UZMANLIK ALAN DERSİ, Postgraduate, 2021 - 2022

YÜKSEK LİSANS TEZ ÇALIŞMASI, Postgraduate, 2021 - 2022

UZMANLIK ALAN DERSİ, Postgraduate, 2020 - 2021

HAVACILIK MALZEMELERİ, Postgraduate, 2017 - 2018

AIRCRAFT FUSELAGE, Postgraduate, 2016 - 2017

Undergraduate

HAVA ARAÇLARI TASARIMI, Undergraduate, 2021 - 2022

Savunma Sanayi Malzemeleri, Undergraduate, 2021 - 2022

PRODUCTION PLANNING, Undergraduate, 2021 - 2022

ZIRHLI TAŞIT TASARIMI, Undergraduate, 2021 - 2022

PRODUCTION PLANNING, Undergraduate, 2021 - 2022

UÇAK MOTOR GÖVDE ARAŞTIRMALARI, Undergraduate, 2020 - 2021

MALZEME BİLİMİ, Undergraduate, 2017 - 2018, 2016 - 2017

MÜHENDİSLİK MALZEMELERİ, Undergraduate, 2017 - 2018

ZIRHLI TAŞIT TASARIMI, Undergraduate, 2017 - 2018, 2016 - 2017

HAVA ARAÇLARI TASARIMI, Undergraduate, 2017 - 2018

UÇAK MOTOR GÖVDE, Undergraduate, 2017 - 2018, 2016 - 2017

SAVUNMA SANAYİİ MALZEMELERİ, Undergraduate, 2017 - 2018

ÜRETİM PLANLAMASI, Undergraduate, 2017 - 2018, 2016 - 2017

Rapor Yazma Tekniği, Undergraduate, 2002 - 2003

Rapor Yazma Tekniği, Undergraduate, 2001 - 2002

Rapor Yazma Tekniği, Undergraduate, 2001 - 2002

Rapor Yazma Tekniği, Undergraduate, 2001 - 2002

Malzeme Bilgisi, Undergraduate, 1996 - 1997

Mekanizma Tekniği, Undergraduate, 1996 - 1997

Supervised Theses

Kuşhan M. C., Seviye 4 Düzeyinde Alüminyum Köpük Takviyeli Yeni Bir Addon Zırh Tasarımı ve İmalatı, Doctorate, T.ÜNALIR(Student), 2021

Kuşhan M. C., YENİ BİR SERAMİK ESASLI SÖKÜLEBİLİR-TAKILABİLİR MODÜLER HARİCİ ARAÇ ZIRHI TASARIMI, Doctorate, E.GÖDE(Student), 2021

Kuşhan M. C., Yasa E., A Study on the Effect of Varying Selective Laser Melting Process Parameters by Build Process Simulation, Postgraduate, P.RUGU(Student), 2020

Kuşhan M. C., Türk genel maksatlı helikopterinde kullanılan "Push Rod" parçaları için imalat yöntemi geliştirilmesi ve oluşan mikro çatlak oluşumunun engellenmesi, Postgraduate, B.KONAGAR(Student), 2020

Gürgen S., Kuşhan M. C., Uçak kompozit yapılarında termografik analiz ile tahribatsız muayene, Postgraduate, E.EROĞLU(Student), 2019

POTOĞLU ERKARA İ., KUŞHAN M. C., Kuşlardan esinlenmiş motorlu bir insansız planör konsept tasarımı, Postgraduate, G.KESKİN(Student), 2019

Kuşhan M. C., 5052 alüminyum alaşım oranı 0, 6 olan metal matrisli kompozit malzeme ile mekanik araç krikosu gerilme analizi ve Taguchi metodu, Postgraduate, M.KORAL(Student), 2018

Kuşhan M. C., Metallerin lazer katmanlı imalatında kullanılan proses parametrelerinin etkisinin, modelleme ve simülasyon yöntemleri kullanılarak incelenmesi, Doctorate, Ö.POYRAZ(Student), 2018

Gürgen S., Kuşhan M. C., Lazerle metal toz ergitme (SLM) prosesi sonrası proses parametrelerinin yüzey kalitesine olan etkisinin incelenmesi, Postgraduate, E.UĞUR(Student), 2018

Kuşhan M. C., Kayma altında katılan sıvı takviyeli zırh kumaşının seramik toz katkıları ile özelliklerinin geliştirilmesi, Doctorate, S.GÜRGEN(Student), 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Effect of Heat Treatment and Hot Isostatic Pressing on the Corrosion Behavior of Ti6Al4 V Parts Produced by Electron Beam Melting Additive Manufacturing Technology**
Karasoglu M., ÖTEYAKA M. Ö., YASA E., Tan E., KUŞHAN M. C.
ACS Omega, vol.9, no.27, pp.29904-29916, 2024 (SCI-Expanded)
- II. **An experimental study on the ballistic performance of ultra-high hardness armor steel (Armox 600T) against 7.62 mm × 51 M61 AP projectile in the multi-hit condition**
Göde E., Teoman A., Çetin B., Tonbul K., Davut K., KUŞHAN M. C.
Engineering Science and Technology, an International Journal, vol.38, 2023 (SCI-Expanded)
- III. **Improvement of spall liner performance with smart fluid applications**
Guergen S., KUŞHAN M. C.
THIN-WALLED STRUCTURES, vol.180, 2022 (SCI-Expanded)
- IV. **Investigation of electromechanical impedance and residual stress relation for samples machined by hot ultrasonic-assisted turning**
SOFUOĞLU M. A., HAYDARLAR G., Kuşhan M. C., ORAK S., TEKKALMAZ M.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, vol.236, no.8, pp.4180-4193, 2022 (SCI-Expanded)

- V. **Designing and producing a bird-inspired unmanned sailplane**
Keskin G., Durmus S., KARAKAYA M., KUŞHAN M. C.
Aircraft Engineering and Aerospace Technology, vol.93, pp.1052-1059, 2021 (SCI-Expanded)
- VI. **An investigation on wear behavior of UHMWPE/carbide composites at elevated temperatures**
Gürgen S., Sert A., Kuşhan M. C.
Journal of Applied Polymer Science, vol.138, no.16, 2021 (SCI-Expanded)
- VII. **Development of Eco-friendly Shock-absorbing Cork Composites Enhanced by a Non-Newtonian Fluid**
GÜRGEN S., Fernandes F. A. O., de Sousa R. J. A., KUŞHAN M. C.
APPLIED COMPOSITE MATERIALS, vol.28, no.1, pp.165-179, 2021 (SCI-Expanded)
- VIII. **Fatigue and corrosion behavior of in-service AA7075 aircraft component after thermo-mechanical and retrogression and re-aging treatments**
GÜRGEN S., Sackesen I., KUŞHAN M. C.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART L-JOURNAL OF MATERIALS-DESIGN AND APPLICATIONS, vol.233, no.9, pp.1764-1772, 2019 (SCI-Expanded)
- IX. **Tribological behavior of UHMWPE matrix composites reinforced with PTFE particles and aramid fibers**
GÜRGEN S., ÇELİK O. N., KUŞHAN M. C.
COMPOSITES PART B-ENGINEERING, vol.173, 2019 (SCI-Expanded)
- X. **Optimization of different non-traditional turning processes using soft computing methods**
SOFUOĞLU M. A., ÇAKIR F. H., KUŞHAN M. C., ORAK S.
SOFT COMPUTING, vol.23, no.13, pp.5213-5231, 2019 (SCI-Expanded)
- XI. **Multi-criteria decision-making analysis of different non-traditional machining operations of Ti6Al4V**
GÜRGEN S., ÇAKIR F. H., SOFUOĞLU M. A., ORAK S., KUŞHAN M. C., Li H.
SOFT COMPUTING, vol.23, no.13, pp.5259-5272, 2019 (SCI-Expanded)
- XII. **Rheological compatibility of multi-phase shear thickening fluid with a phenomenological model**
GÜRGEN S., SOFUOĞLU M. A., KUŞHAN M. C.
SMART MATERIALS AND STRUCTURES, vol.28, no.3, 2019 (SCI-Expanded)
- XIII. **Surface topography of nickel-based superalloy manufactured with direct metal laser sintering (DMLS) method**
Solakoglu E. U., GÜRGEN S., KUŞHAN M. C.
SURFACE TOPOGRAPHY-METROLOGY AND PROPERTIES, vol.7, no.1, 2019 (SCI-Expanded)
- XIV. **Residual Stress-induced Distortions in Laser Powder Bed Additive Manufacturing of Nickel-based Superalloys**
Poyraz O., KUŞHAN M. C.
STROJNISKI VESTNIK-JOURNAL OF MECHANICAL ENGINEERING, vol.65, no.6, pp.343-350, 2019 (SCI-Expanded)
- XV. **Experimental investigation of machining characteristics and chatter stability for Hastelloy-X with ultrasonic and hot turning**
SOFUOĞLU M. A., ÇAKIR F. H., GÜRGEN S., ORAK S., KUŞHAN M. C.
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.95, pp.83-97, 2018 (SCI-Expanded)
- XVI. **Numerical investigation of hot ultrasonic assisted turning of aviation alloys**
SOFUOĞLU M. A., ÇAKIR F. H., GÜRGEN S., ORAK S., KUŞHAN M. C.
Journal of the Brazilian Society of Mechanical Sciences and Engineering, vol.40, no.3, 2018 (SCI-Expanded)
- XVII. **Investigation of the effect of different process parameters for laser additive manufacturing of metals**
Poyraz O., KUŞHAN M. C.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.33, no.2, pp.699-711, 2018 (SCI-Expanded)
- XVIII. **The ballistic performance of aramid based fabrics impregnated with multi-phase shear thickening fluids**
GÜRGEN S., KUŞHAN M. C.

- POLYMER TESTING, vol.64, pp.296-306, 2017 (SCI-Expanded)
- XIX. **Shear thickening fluids in protective applications: A review**
GÜRGEN S., KUŞHAN M. C., Li W.
PROGRESS IN POLYMER SCIENCE, vol.75, pp.48-72, 2017 (SCI-Expanded)
- XX. **Effect of heat treatment on the bending behavior of aluminum alloy tubes**
SERT A., GÜRGEN S., ÇELİK O. N., KUŞHAN M. C.
JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY, vol.31, no.11, pp.5273-5278, 2017 (SCI-Expanded)
- XXI. **The stab resistance of fabrics impregnated with shear thickening fluids including various particle size of additives**
GÜRGEN S., KUŞHAN M. C.
COMPOSITES PART A-APPLIED SCIENCE AND MANUFACTURING, vol.94, pp.50-60, 2017 (SCI-Expanded)
- XXII. **Oxidation and thermal shock behavior of thermal barrier coated 18/10CrNi alloy with coating modifications**
GÜRGEN S., Diltemiz S. F., KUŞHAN M. C.
JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY, vol.31, no.1, pp.149-155, 2017 (SCI-Expanded)
- XXIII. **The effect of silicon carbide additives on the stab resistance of shear thickening fluid treated fabrics**
GÜRGEN S., KUŞHAN M. C.
MECHANICS OF ADVANCED MATERIALS AND STRUCTURES, vol.24, no.16, pp.1381-1390, 2017 (SCI-Expanded)
- XXIV. **The rheology of shear thickening fluids with various ceramic particle additives**
GÜRGEN S., Li W., KUŞHAN M. C.
MATERIALS & DESIGN, vol.104, pp.312-319, 2016 (SCI-Expanded)
- XXV. **The effect of carbide particle additives on rheology of shear thickening fluids**
GÜRGEN S., KUŞHAN M. C., Li W.
KOREA-AUSTRALIA RHEOLOGY JOURNAL, vol.28, no.2, pp.121-128, 2016 (SCI-Expanded)
- XXVI. **Electron beam welding varestment test of ALLVAC 718 Plus™ for aviation technology**
Uzgur S., Li H., Cemal Kushan M. C., Yan M., Uzunonat Y., Diltemiz F.
Advanced Science Letters, vol.13, pp.831-832, 2012 (SCI-Expanded)
- XXVII. **Effect of dent geometry on fatigue life of aircraft structural cylinder part**
Diltemiz S. F., Uzunonat Y., Kushan M. C., ÇELİK O. N.
ENGINEERING FAILURE ANALYSIS, vol.16, no.4, pp.1203-1207, 2009 (SCI-Expanded)
- XXVIII. **Failure analysis of an aircraft propeller**
Kushan M. C., Diltemiz S. F., Sackesen I.
ENGINEERING FAILURE ANALYSIS, vol.14, no.8, pp.1693-1700, 2007 (SCI-Expanded)
- XXIX. **Hot cracking susceptibilities in the heat-affected zone of electron beam-welded inconel 718**
Yaman Y., Kushan M. C.
JOURNAL OF MATERIALS SCIENCE LETTERS, vol.17, no.14, pp.1231-1234, 1998 (SCI-Expanded)

Articles Published in Other Journals

- I. **Global Navigation Satellite System (GNSS) Independent Navigation for Unmanned Aerial Vehicles (UAV)**
göde e., teoman A., KUŞHAN M. C., Tonbul K., ÖĞÜNÇ G. İ., Daz B.
Journal of Aviation Research, vol.6, pp.20-29, 2024 (Peer-Reviewed Journal)
- II. **MOTORSUZ UÇUŞ**
DURMAZ O., KUŞHAN M. C.
Mühendis ve Makina, vol.183, no.1, pp.17-23, 2024 (Non Peer-Reviewed Journal)
- III. **Ceramic Faced Stand-Alone Hybrid Armor Design for Civilian (Hidden Armored) Vehicles**
Teoman A., GÖDE E., Tonbul K., ŞEKER H. İ., kushan m.
Savunma Bilimleri Dergisi, vol.2, no.43, pp.473-492, 2023 (Peer-Reviewed Journal)
- IV. **Yeşil Havaalanları**

Demirkaya G., Kuşhan M. C.

Makina, vol.31, no.178, pp.15-18, 2023 (Non Peer-Reviewed Journal)

- V. **An electromechanical in situ viscosity measurement technique for shear thickening fluids**
HAYDARLAR G., SOFUOĞLU M. A., GÜRGEN S., KUŞHAN M. C., TEKKALMAZ M.
ADVANCED ENGINEERING FORUM, 2021 (Peer-Reviewed Journal)
- VI. **Hot ultrasonic assisted machining modelling of Ti6Al4V in terms of power consumption**
SOFUOĞLU M. A., KUŞHAN M. C., ORAK S.
Journal of Advances in Manufacturing Engineering, vol.2, pp.33-41, 2021 (Peer-Reviewed Journal)
- VII. **Ultrasonic Inspection for Microstructural and Mechanical Properties of Ductile Cast Iron**
Özdemir Ö., Gürgen S., Kuşhan M. C.
Advanced Engineering Forum, vol.39, pp.9-19, 2021 (Peer-Reviewed Journal)
- VIII. **BİYOMİMETİK, KUŞLAR VE PLANÖRLER**
Keskin G., Kuşhan M. C.
Makina, no.164, pp.11-12, 2020 (Non Peer-Reviewed Journal)
- IX. **UÇMAYA DEVAM EDİYOR ŞANLI DAKOTA**
Kuşhan M. C.
Makina, no.163, pp.12-13, 2020 (Non Peer-Reviewed Journal)
- X. **Experimental investigation of newly designed cutting tool inserts in turning**
SOFUOĞLU M. A., GÜRGEN S., KUŞHAN M. C.
Journal of Production Systems and Manufacturing Science, 2020 (Peer-Reviewed Journal)
- XI. **COVID-19 UN DÜNYA SİVİL HAVACILIĞINA ETKİSİ**
Kuşhan M. C.
MAKİNA, no.162, pp.10-13, 2020 (Non Peer-Reviewed Journal)
- XII. **Yeni Nesil Uçak Motorları ve Uçaklar**
Arslanoğlu B., Kuşhan M. C.
Makina, no.160, pp.10-13, 2020 (Non Peer-Reviewed Journal)
- XIII. **Finite element modelling of the hot ultrasonic assisted turning of titanium alloy in terms of different vibrational parameters**
KUŞHAN M. C., ORAK S., SOFUOĞLU M. A.
International Journal of Mechanical and Production Engineering (ICSTEM 2019 konferansından), 2019 (Peer-Reviewed Journal)
- XIV. **Comparison of different FEM software in terms of hot ultrasonic assisted machining technique**
SOFUOĞLU M. A., KUŞHAN M. C., ORAK S.
Materials Science Forum (ICMDA 2019 konferansından), 2019 (Scopus)
- XV. **Da Vinci'den Sikorsky'e**
KUŞHAN M. C.
Makina, no.152, pp.21-22, 2019 (Non Peer-Reviewed Journal)
- XVI. **Unpowered Flight Principle: Sailplane**
keskin g., DURMUŞ S., KARAKAYA M., teoman A., KUŞHAN M. C.
Engineer and Machinery, vol.60, no.695, pp.165-177, 2019 (Peer-Reviewed Journal)
- XVII. **Design and Economic Analysis of a Novel Hot Ultrasonic Machining System**
SOFUOĞLU M. A., GÜRGEN S., ÇAKIR F. H., ORAK S., KUŞHAN M. C.
JOURNAL OF POLYTECHNIC-POLİTEKNİK DERGİSİ, vol.22, no.2, pp.277-282, 2019 (ESCI)
- XVIII. **ÇOK KULLANIMLI 1500M. İRTİFALI ROKET TASARIMI**
Arslanoğlu B., Şahin E., Güzel H. M., KUŞHAN M. C.
Makina, no.155, pp.20-21, 2019 (Non Peer-Reviewed Journal)
- XIX. **Numerical Investigation of Hot Ultrasonic Assisted Turning of Titanium Alloy**
Çakır F. H., Gürgen S., Sofuoğlu M. A., Kuşhan M. C., Orak S.
European Journal of Engineering and Natural Sciences, vol.3, no.2, pp.147-151, 2019 (Peer-Reviewed Journal)
- XX. **Yeni Nesil Uçak Kanatları**
Arslanoğlu B., Şahin E., KUŞHAN M. C.

- Makina, vol.17, no.156, pp.15-16, 2019 (Non Peer-Reviewed Journal)
- XXI. **Berkan ARSLANOĞLU, Emre ŞAHİN, Melih Cemal Kuşhan, Yeni Nesil Uçak Kanatları, Makina, 17-18, 156, 2019**
Arslanoğlu B., Şahin E., Kuşhan M. C.
Makina, vol.17, no.156, pp.15-16, 2019 (Non Peer-Reviewed Journal)
- XXII. **An Investigation on Surface Roughness and Tool Wear in Turning Operation of Inconel 718**
GÜRGEN S., Tali D., KUŞHAN M. C.
JOURNAL OF AEROSPACE TECHNOLOGY AND MANAGEMENT, vol.11, 2019 (ESCI)
- XXIII. **Havacılıkta MRO ve Endüstri 4.0**
KUŞHAN M. C.
Makina, no.153, pp.17-18, 2019 (Non Peer-Reviewed Journal)
- XXIV. **SYSTEMATICAL REVIEW ON THE NUMERICAL SIMULATIONS OF LASER POWDER BED ADDITIVE MANUFACTURING**
KUŞHAN M. C., Poyraz O., UZUNONAT Y., ORAK S.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BİLİMLERİ DERGİSİ, vol.36, no.4, pp.1195-1212, 2018 (ESCI)
- XXV. **Composite Structures of C919**
GÜRGEN S., SOFUOĞLU M. A., ÇAKIR F. H., KUŞHAN M. C.
Elixir, vol.122, no.1, pp.51767-51770, 2018 (Peer-Reviewed Journal)
- XXVI. **JET MOTORLARINDA UYGULANAN EFÜZYON FİLM SOĞUTMA AKIŞ KARAKTERİSTİKLERİNİN PIV YÖNTEMİYLE İNCELENMESİ**
Yalçın S. E., Yakın E. Y., Karakoç T. H., Kuşhan M. C.
Sürdürülebilir Havacılık Araştırmaları Dergisi, vol.3, no.2, pp.55-62, 2018 (Peer-Reviewed Journal)
- XXVII. **Numerical investigation of machining characteristics of Hastelloy-X**
SOFUOĞLU M. A., ÇAKIR F. H., GÜRGEN S., ORAK S., KUŞHAN M. C.
The Online Journal of Science and Technology, vol.8, no.4, pp.72-76, 2018 (Peer-Reviewed Journal)
- XXVIII. **An experimental investigation of the ultrasonic-assisted machining of Ti-6Al-4V**
ÇAKIR F. H., GÜRGEN S., ORAK S., KUŞHAN M. C., SOFUOĞLU M. A.
Makina Tasarımı ve İmalat Dergisi (UMTIK 2018 konferansından), 2018 (Peer-Reviewed Journal)
- XXIX. **The Use of Additive Manufacturing Technologies in Maintenance Applications of Aviation Components**
Poyraz Ö., KUŞHAN M. C.
Engineer and Machinery, vol.59, no.691, pp.59-69, 2018 (Peer-Reviewed Journal)
- XXX. **Ultrasonic Assisted Machining Methods: A Review**
KUŞHAN M. C., ORAK S., UZUNONAT Y.
International Journal of Advanced Engineering Research and Applications (IJA-ERA), vol.3, no.5, 2017 (Peer-Reviewed Journal)
- XXXI. **TURNING OPERATION OF NICKEL BASED SUPERALLOY RENE 41**
Tali D., GAŞAN H., GÜLEŞEN M., GÜRGEN S., KUŞHAN M. C.
International Journal of Mechanical and Production Engineering, vol.5, no.5, 2017 (Peer-Reviewed Journal)
- XXXII. **A new superalloy: ALLVAC 718 TM**
SOFUOĞLU M. A., ÇAKIR F. H., GÜRGEN S., KUŞHAN M. C.
International Journal of Mechanical And Production Engineering, vol.5, no.3, pp.125-128, 2017 (Peer-Reviewed Journal)
- XXXIII. **Description Of Modification With New Armor Protection Plates For Helicopters**
GÜRGEN S., Akın Ş. K., KUŞHAN M. C.
Journal of Advanced Research in Engineering Technology, vol.1, no.2, pp.1-4, 2017 (Peer-Reviewed Journal)
- XXXIV. **A new superalloy: ALLVAC 718 PLUSTM**
SOFUOĞLU M. A., ÇAKIR F. H., GÜRGEN S., KUŞHAN M. C.
International Journal of Mechanical And Production Engineering (ICSTEM 2017 konferansından), 2017 (Peer-Reviewed Journal)

- XXXV. **Nikel Esaslı Süperalaşım Rene 41'xxin Tornalama İşlemi**
tali d., GAŞAN H., GÜLEŞEN M., GÜRGEN S., KUŞHAN M. C.
TEI Post, 2017 (Non Peer-Reviewed Journal)
- XXXVI. **A NEW SUPERALLOY "ALLVAC 718 PLUSTM"**
SOFUOĞLU M. A., GÜRGEN S., ÇAKIR F. H., KUŞHAN M. C.
International Journal of Mechanical And Production Engineering, 2017 (Peer-Reviewed Journal)
- XXXVII. **Rheological Properties of Shear Thickening Fluids**
GÜRGEN S., KUŞHAN M. C.
JOURNAL OF POLYTECHNIC-POLITEKNİK DERGISI, vol.19, no.4, pp.409-414, 2016 (ESCI)
- XXXVIII. **Operational Improvements in The Assembly Process of Lead Cable Using New Methods**
Sofuoğlu M. A., Çakır F. H., Gürgen S., Kuşhan M. C.
Procedia - Social and Behavioral Sciences, no.195, pp.2576-2585, 2015 (Peer-Reviewed Journal)
- XXXIX. **Finite Element Modeling of Ultrasonic Assisted Turning of Ti6Al4V Alloy**
Çakır F. H., Gürgen S., Sofuoğlu M. A., Çelik O. N., Kuşhan M. C.
Finite Element Modeling of Ultrasonic Assisted Turning of Ti6Al4V Alloy, no.195, pp.2839-2848, 2015 (Peer-Reviewed Journal)
- XL. **Multi Response Optimization Of Turning Operation With Self-Propelled Rotary Tool**
Gürgen S., Çakır F. H., Sofuoğlu M. A., Orak S., Kuşhan M. C.
Procedia - Social and Behavioral Sciences, no.195, pp.2576-2585, 2015 (Peer-Reviewed Journal)
- XLI. **An optimization approach to prevent chatter vibrations**
SOFUOĞLU M. A., ÇAKIR F. H., GÜRGEN S., ORAK S., ÇELİK O. N., KUŞHAN M. C.
Int. J. Manag. Appl. Sci., 2015 (Peer-Reviewed Journal)
- XLII. **Flexible Fixturing Systems For Low Production Quantities**
SOFUOĞLU M. A., ÇAKIR F. H., GÜRGEN S., ORAK S., ÇELİK O. N., KUŞHAN M. C.
International Journal of Mechanical And Production Engineering,, vol.3, no.8, pp.18-20, 2015 (Peer-Reviewed Journal)
- XLIII. **Wireless Eddy Current Probe Prototype and Monitor Design and Aircraft Maintenance Applications**
engin g., kuşhan M. C., ÇEVİK S.
Advanced Materials Research, vol.905, pp.448-451, 2014 (Scopus)
- XLIV. **Wireless Eddy Current Probe Design and Applications in Aircraft Maintenance**
Kuşhan M. C., Ünalır T., Göde E., Ekinci H.
International Technology Research Letters, vol.1, no.1, pp.18-20, 2012 (Peer-Reviewed Journal)
- XLV. **Gaz Türbinlerinin Bakımında Sıcak Kısım Parçalarına Uygulanan Sıcak Lehimleme Brazing Tamir İşlemi ve Proses Etkinliğinin Değerlendirilmesi**
Uzunonat Y., Çevik S., Kuşhan M. C., Diltemiz S. F.
Mühendis ve Makina, vol.633, pp.13-15, 2012 (Peer-Reviewed Journal)
- XLVI. **Inconel 718 Geliştirildi ALLVAC 718 Plus**
UZUNONAT Y., ÇEVİK S., KUŞHAN M. C.
Mühendis ve Makina, vol.633, pp.13-15, 2012 (Peer-Reviewed Journal)
- XLVII. **Inconel 718 Geliştirildi: ALLVAC 718 Plus**
Çevik S., Uzunonat Y., Kuşhan M. C.
Mühendis ve Makina, no.614, pp.36-40, 2011 (Peer-Reviewed Journal)
- XLVIII. **MoSi2 Composites for High Temperature Structural Applications**
Uzunonat Y., Çevik S., Diltemiz S. F., Kuşhan M. C., Ölmez R.
Advanced Materials , no.214, pp.103-107, 2011 (Peer-Reviewed Journal)
- XLIX. **The effect of laser glazing process on microstructure of plasma sprayed thermal barrier coatings**
Kuşhan M. C., Diltemiz S. F.
ANADOLU UNIVERSITY JOURNAL OF SCIENCE AND TECHNOLOGY –A, vol.12, no.2, pp.105-110, 2011 (Peer-Reviewed Journal)
- L. **Cyclic Oxidation Behaviour of MoSi2 and MoSi2-Si3N4 Composites for Aircraft Gas Turbine Elements**
Uzunonat Y., Çevik S., Diltemiz S. F., Kuşhan M. C.

- Advanced Materials , no.214, pp.349-353, 2011 (Peer-Reviewed Journal)
- LI. **State-of-Art Technology ALLVAC 718 Plus Superalloy for Gas Turbine Engine Parts**
Çevik S., Uzunonat Y., Diltemiz S. F., Kuşhan M. C., Günay R.
Advanced Materials, no.213, pp.131-135, 2011 (Peer-Reviewed Journal)
- LII. **Avustralyada Makine Mühendisliği Eğitimi**
Kuşhan M. C.
Mühendis ve Makina, vol.621, pp.74-75, 2011 (Peer-Reviewed Journal)
- LIII. **Mikrolightlarda Kullanılan Motor Çeşitlerinin Tanımları**
Tali D., Uzundağ M., Kuşhan M. C.
Makina, no.76, pp.43-45, 2006 (Non Peer-Reviewed Journal)
- LIV. **Her Yönüyle Microlight, Makina**
Tali D., Uzundağ M., Kuşhan M. C.
Makina, no.75, pp.26-27, 2006 (Non Peer-Reviewed Journal)
- LV. **Şekil Bellekli Alaşımların Uzay ve Havacılık Endüstrisindeki Uygulamaları**
KUŞHAN M. C., beктаş h.
Turkish Aviation, vol.38, pp.18-19, 2002 (Peer-Reviewed Journal)
- LVI. **Uçaklarda Panel Kompozit kullanımı**
Kuşhan M. C., Avcı P., Avcı Y.
Turkish Aviation, vol.40, pp.50-51, 2002 (Peer-Reviewed Journal)
- LVII. **İlk Uçuşlar**
Kuşhan M. C.
Turkish Aviation, no.33, pp.34-35, 2001 (Peer-Reviewed Journal)
- LVIII. **FLA-A400 Projesi ve Türkiye**
Kuşhan M. C.
Turkish Aviation, no.26, pp.21, 1999 (Peer-Reviewed Journal)
- LIX. **Havacılıktaki Uygulamalarıyla NDT**
KUŞHAN M. C., avcı p., avcı y.
Turkish Aviation, vol.52, no.26, pp.39, 1999 (Peer-Reviewed Journal)
- LX. **Emektar C-47**
Kuşhan M. C.
Turkish Aviation, no.14, pp.20-21, 1998 (Peer-Reviewed Journal)
- LXI. **Askeri Hava Gücümüz ve Avrupa**
Kuşhan M. C.
Tukish Aviation, no.45, pp.20-21, 1998 (Peer-Reviewed Journal)
- LXII. **Hava Gücümüz ve Avrupa**
Kuşhan M. C.
Makina, no.15, pp.24-25, 1996 (Non Peer-Reviewed Journal)
- LXIII. **Endüstriyel Robotların Ülkemiz Açısından Ekonomik Olarak Değerlendirilmesi ve Bir Bilgisayar Programı**
Kuşhan M. C., Göktaş Y.
Endüstri Mühendisliği, no.1, pp.186-193, 1989 (Peer-Reviewed Journal)

Books

- I. **Hibrit, Cam Elyaf Takviyeli Polimer Çubuk (GFRP) ve Çelik Donatıların Performanslarının Karşılaştırmalı İncelenmesi**
Demir M., Daz B., AFACAN K. B., ŞİMŞEK C., KUŞHAN M. C.
in: İnşaat Mühendisliğinde Yenilikçi Yaklaşımlar ve İnşaat Teknolojileri, Doç. Dr. Atıla KUMBASAROĞLU, Editor, Bidge Yayınları, pp.60-75, 2023
- II. **Aluminum-Lithium Alloys in Aircraft Structures**

Kaya E., Sheikhi M. R., Gürgen S., Kuşhan M. C.

in: Materials, Structures & Manufacturing for Aircraft, Kuşhan Melih Cemal , Gürgen Selim, Sofuoğlu Mehmet Alper, Editor, Springer Nature Switzerland AG, Zürich, pp.1-25, 2022

III. **A dan Z ye Dünya Uçakları Helikopterleri ve İnsansız Hava Araçları**

KUŞHAN M. C., GÜRGEN S.

Nisan Kitabevi, Eskişehir, 2016

IV. **Fatigue Failure in Aircraft Structural Components**

GÜRGEN S., KUŞHAN M. C., seyid F d.

in: Handbook of Materials Failure Analysis With Case Studies from the Aerospace and Automotive Industries, Abdel Salam Hamdy Makhlouf, Mahmood Aliofkhaezai, Editor, Elsevier, Waltham, pp.261-276, 2015

V. **Wireless Eddy Current Probe Prototype and Monitor Design and Aircraft Maintenance Applications**

gode e., KUŞHAN M. C., ÇEVİK S.

in: Advances in Applied Materials and Electronics Engineering III, Brendan Gan, Y. Gan, Y. Yu, Editor, TTP, Zürich, pp.448-451, 2014

VI. **Potential of MoSi2 and MoSi2-Si3N4 Composites for Aircraft Gas Turbine Engines**

KUŞHAN M. C., UZUNONAT Y., ÇEVİK S., DİLTEMİZ S. F.

in: Recent Advances in Aircraft Technology, Agarwal Ramesh K., Editor, InTech, pp.97-115, 2012

VII. **ALLVAC 718 Plus Superalloy For Aerospace Applications**

KUŞHAN M. C., ÇEVİK S., UZUNONAT Y., fehmi d.

in: Recent Advances in Aircraft Technology, Ramesh K. Agarwal, Editor, INTECH, Zagrep, pp.75-96, 2012

VIII. **Allvac 718 Plus Superalloy for Aircraft Engine Applications**

KUŞHAN M. C., ÇEVİK S., UZUNONAT Y., DİLTEMİZ S. F.

in: Recent Advances in Aircraft Technology, Agarwal Ramesh K., Editor, InTech, pp.75-96, 2012

IX. **Potential of MoSi2 and MoSi2-Si3N4 Composites for Aircraft Gas Turbine Engines**

KUŞHAN M. C., UZUNONAT Y., ÇEVİK S., diltemiz s. F.

in: Recent Advances in Aircraft Technology, Ramesh K. Agarwal, Editor, INTECH, Zagrep, pp.97-116, 2012

X. **a'DAN z'ye Dünya Uçakları ve Helikopterleri**

Kuşhan M. C.

Nisan Yayınları, Ankara, 2004

Papers Published in Refereed Scientific Meetings

I. **COMPOSITE MATERIALS USED IN ARJ21 AIRCRAFT**

Kuşhan M. C.

INTERNATIONAL SCIENTIFIC RESEARCH AND INNOVATION CONGRESS -II, Adana, Turkey, 16 - 18 December 2024, vol.1, no.1, pp.2385-2389

II. **SAVTEK 2024 11. Savunma Teknolojileri Kongresi**

Daysal M., Teoman A., Göde E., Tonbul K., Ögünç İ., Kuşhan M. C.

SAVTEK 2024 11. Savunma Teknolojileri Kongresi, Ankara, Turkey, 10 - 12 September 2024, vol.1, no.1, pp.1-5

III. **Yeşil Havaalanlarının Toplum Sağlığı Üzerindeki Etkileri**

PEKER M. Y., DEMİRKAYA G., KUŞHAN M. C.

Havacılık ve Uzay Tıbbı Kongresi (HUTP 2023), Eskişehir, Turkey, 19 - 22 October 2023

IV. **VARESTRAINT WELDABILITY TEST FOR HIGH TECHNOLOGY WELDING OPERATIONS**

Çevik S., Kuşhan M. C.

10th INTERNATIONAL CONGRESS ON ENGINEERING AND TECHNOLOGY MANAGEMENT, İstanbul, Turkey, 14 - 15 October 2023, vol.1, no.1, pp.414-421

V. **BAKIMDA NESNELERİN İNTERNETİ VE UÇAK BAKIMDA SANAL GERÇEKLİK/ARTIRILMIŞ GERÇEKLİK UYGULAMALARI**

DEĞERLİ M. C., ŞAHİN Ö., YAZAR I., KUŞHAN M. C.

10. Uluslararası Katılımlı Bakım teknolojileri Kongresi ve Sergisi, Denizli, Turkey, 20 - 22 October 2022

- VI. **IMPORTANCE OF COMMUNICATION IN AUTOMOTIVE**
Bozkurt Y. E., Daz B., Unç S. C., Kuşhan M. C.
6nd International Conference on Material Science and Technology in Cappadocia (IMSTEC'21), Cappadocia /TURKEY, Kayseri, Turkey, 26 - 28 November 2021, vol.1, no.1, pp.20-25
- VII. **Radar Absorption Capabilities of Polyurethane Sandwich Composite Foams**
Kuşhan M. C.
V. International Ege Composite Materials Symposium - KompEge, Antalya, Turkey, 4 - 06 November 2021, vol.1, no.1, pp.10-15
- VIII. **COMPOSITE LIGHTWEIGHT ARMOR DESIGN ATLERNATIVES FOR HELICOPTERS**
Kuşhan M. C., Çetin B., Tonbul K., Teoman A., Göde E.
V. International Ege Composite Materials Symposium, Antalya, Turkey, 4 - 06 November 2021, vol.1, no.1, pp.25-29
- IX. **ARAMID fabrics used as ballistic plate for army**
KUŞHAN M. C., GÜRGEN S., SOFUOĞLU M. A.
8th International Fiber and Polymer Research Symposium, Turkey, 18 - 19 June 2021
- X. **Investigating Production of Polyurethane Elastomer Materials Using Shape Deposition Manufacturing Method**
Sheikhi M. R., Gürgen S., Kuşhan M. C.
8. INTERNATIONAL FIBER AND POLYMER RESEARCH SYMPOSIUM,, Eskişehir, Turkey, 18 - 19 June 2021, vol.1, no.1, pp.24-27
- XI. **Uçak Kompozit Yapılarında Termografik Analiz ile Tahribatsız Muayene**
Eroğlu E., Diltemiz S. F., Kuşhan M. C., Gürgen S.
Uçak Kompozit Yapılarında Termografik Analiz ile Tahribatsız Muayene, Eskişehir, Turkey, 18 - 19 June 2021, vol.1, no.1, pp.20-25
- XII. **Deformation of STF Treated Spall Liners**
GÜRGEN S., KUŞHAN M. C.
International Symposium on Aircraft Technology, Eskişehir, Turkey, 22 - 24 September 2020
- XIII. **Dünyada ve Ülkemizde Sivil Havacılık Bakım Onarım ve Yenileme (BOY) Faaliyetleri**
GÜRGEN S., SOFUOĞLU M. A., ÇAKIR F. H., KUŞHAN M. C.
9. Uluslararası Bakım Teknolojileri Kongresi ve Sergisi-BTKS, Denizli, Turkey, 26 - 28 September 2019, vol.1, pp.185-191
- XIV. **Low-frequency vibration assisted turning of Inconel-100 material: A simulation study**
YILDIZ T., KAYA Y., SOFUOĞLU M. A., KUŞHAN M. C.
ICAME 2019, 17 - 19 December 2019
- XV. **Structural health monitoring and its applications in manufacturing environment**
SOFUOĞLU M. A., ORAK S., KUŞHAN M. C.
ICAME 2019, 17 - 19 December 2019
- XVI. **LOW-FREQUENCY VIBRATION ASSISTED TURNING OF INCONEL-100 MATERIAL: A SIMULATION STUDY, , ISTANBUL 2019**
yıldız t., Kaya Y., SOFUOĞLU M. A., KUŞHAN M. C.
5TH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING, 17 - 19 December 2019
- XVII. **A DAMAGE DETECTION OF A STEEL PLATE USING EMI METHOD**
SOFUOĞLU M. A., ORAK S., KUŞHAN M. C.
INTERNATIONAL ANKARA CONFERENCE OF SCIENTIFIC RESEARCH, 4 - 06 October 2019
- XVIII. **A numerical study of Ti6Al4V machining using different non-traditional turning operations**
SOFUOĞLU M. A., ORAK S., KUŞHAN M. C.
ICES 2019, 19 September 2019
- XIX. **Finite element modeling of the hot ultrasonic assisted turning of titanium alloy in terms of different vibrational parameters**
KUŞHAN M. C., ORAK S., SOFUOĞLU M. A.
ICSTEM 2019, 15 - 16 September 2019
- XX. **GLIDER FLIGHT TRAINING APPLICATION IN TURKISH AIR FORCE**

- keskin g., KAFALI H., DURMUŞ S., GÜRGEN S., KUŞHAN M. C.
International Conference of Scientific Paper AFASES 2019, 31 May - 02 June 2019
- XXI. **RESEARCH ON APPLICATIONS OF MINI-TURBOJET AND TURBOJET ENGINED MILITARY UAVS**
Türkay M., GÜRGEN S., keskin g., DURMUŞ S., KUŞHAN M. C.
International Conference of Scientific Paper AFASES 2019, 31 May - 02 June 2019
- XXII. **DESIGN FOR ADDITIVE MANUFACTURING WITH CASE STUDIES ON AIRCRAFTS AND PROPULSION SYSTEMS**
Poyraz Ö., Kuşhan M. C.
International Conference of Scientific Paper AFASES 2019, Brasov, Romania, 31 May - 02 June 2019, vol.21, pp.166-175
- XXIII. **Comparison of different FEM software in terms of hot ultrasonic assisted machining technique**
SOFUOĞLU M. A., KUŞHAN M. C., ORAK S.
2nd International Conference on Materials Design and Application (ICMDA 2019), 13 - 15 April 2019
- XXIV. **Composite Structures of SSJ100**
KUŞHAN M. C., keskin g.
International Symposium on Aircraft Technology, MRO Operations 2018, İstanbul, Turkey, 25 - 28 November 2018, vol.1, pp.50-54
- XXV. **Composite Structures of C919**
GÜRGEN S., ÇAKIR F. H., SOFUOĞLU M. A., KUŞHAN M. C.
Conference for 8th International Conference, Singapore, Singapore, 26 - 27 August 2018, vol.1, pp.1-4
- XXVI. **An experimental investigation of the ultrasonic-assisted machining of Ti-6Al-4V**
ÇAKIR F. H., GÜRGEN S., ORAK S., KUŞHAN M. C., SOFUOĞLU M. A.
UMTIK 2018, 3 - 06 July 2018
- XXVII. **Investigation the Effects of Ultrasonic Assisted Turning on Surface Properties of Ti6Al4V Alloy**
Sofuoğlu M. A., Kuşhan M. C., Orak S., Ay G. M.
TURKEYTRIB'18 - 2nd INTERNATIONAL CONFERENCE ON TRIBOLOGY , İstanbul, Turkey, 18 - 20 April 2018, pp.208
- XXVIII. **Ultrasonic assisted machining methods: A review from 1984-2017**
SOFUOĞLU M. A., ORAK S., KUŞHAN M. C., AY G. M.
TURKEYTRIB 2018, 18 - 20 April 2018
- XXIX. **Seramik Tozu İçeren Nano Süspansiyonların Kumaş Yüksek Hızlı Çarpma Direncine Etkileri**
GÜRGEN S., KUŞHAN M. C.
3. Uluslararası Lif ve Polimer Araştırmaları Sempozyumu, Bursa, Turkey, 8 - 09 March 2018, vol.1, pp.1-6
- XXX. **Failure of Sandwich Structures in Aviation**
GÜRGEN S., GÖDE E., KUŞHAN M. C.
International Advanced Researches Engineering Congress, Osmaniye, Turkey, 16 - 18 November 2017, vol.1, pp.695-697
- XXXI. **Shear strength of AA7075 lap joints after various joining methods**
GÜRGEN S., ÇAKIR F. H., SOFUOĞLU M. A., KUŞHAN M. C.
International Advanced Researches Engineering Congress, 16 - 18 November 2017
- XXXII. **Unmanned Systems For Navies**
ÇAMURDAN B., vural h., GÜRGEN S., KUŞHAN M. C.
Euroasian Multidisciplinary Forum, Tbilisi, Georgia, 6 - 07 October 2017, vol.1, pp.15
- XXXIII. **Havacılık Komponentlerinin Bakım Uygulamalarında Katmanlı İmalat Teknolojilerinin Kullanımı**
Poyraz Ö., KUŞHAN M. C.
VIII: Bakan Teknolojileri Kongre ve Sergisi, Denizli, Turkey, 28 - 30 September 2017
- XXXIV. **Numerical investigation of hot ultrasonic assisted turning of titanium alloy**
ÇAKIR F. H., GÜRGEN S., SOFUOĞLU M. A., KUŞHAN M. C., ORAK S.
3rd International Conference on Engineering and Natural Sciences (ICENS 2017), 3 - 07 May 2017
- XXXV. **Numerical investigation of machining characteristics of Hastelloy-x**
SOFUOĞLU M. A., ÇAKIR F. H., GÜRGEN S., ORAK S., KUŞHAN M. C.

- International Science and Technology Conference (ISTEC 2017), 17 - 19 July 2017
- XXXVI. **Impact of Industry 4.0 to Aircraft Maintenance, Repair and OverHaul**
TAT M. E., KUŞHAN M. C.
VII International Symposium Engineering Management and Competitiveness 2017 (EMC 2017), Zrenjanin, Serbia, 16 - 17 June 2017, pp.101-105
- XXXVII. **TURNING OPERATION OF NICKEL BASED SUPERALLOY RENE 41**
tali d., GAŞAN H., GÜLEŞEN M., GÜRGEN S., KUŞHAN M. C.
The IIER International Conference, Prag, Czech Republic, 21 - 22 March 2017, vol.1, pp.1-3
- XXXVIII. **ALLVAC 718 PLUSTM**
SOFUOĞLU M. A., ÇAKIR F. H., GÜRGEN S., KUŞHAN M. C.
ISER International Conference, 12th -13th January 2017, Jakarta, Indonesia, Jakarta, Indonesia, 12 - 13 January 2017, vol.1, pp.1-4
- XXXIX. **A NEW SUPERALLOY: ALLVAC 718 Plus**
SOFUOĞLU M. A., ÇAKIR F. H., GÜRGEN S., KUŞHAN M. C.
I S E R INTERNATIONAL CONFERENCE, Jakarta, Indonesia, 12 - 13 January 2017, vol.1, pp.1-4
- XL. **The Position of Turkish Air Transportation in Europe**
Çamurdan B., Çetin S., Gürgen S., Kuşhan M. C.
3rd International Multidisciplinary Scientific Conferences on Social Sciences and Arts, Varna, Bulgaria, 22 - 31 August 2016, vol.5, pp.849-855
- XLI. **Description Of Modification With New Armor Protection Plates For Helicopters**
GÜRGEN S., şeniz kuşhan a., KUŞHAN M. C.
IAARHIES 28th International Conference on Engineering & Technology ICET – 2016, Shanghai, China, 18 - 19 September 2016
- XLII. **Description of Modification of Armor Protection for Helicopters**
GÜRGEN S., KUŞHAN AKIN S. R., KUŞHAN M. C.
28th IAARHIES International Conferences, Shanghai, China, 18 - 19 September 2016, vol.1, pp.66-69
- XLIII. **Examination Of The European Countries Uav Fleets**
Kuşhan M. C.
3rd International Multidisciplinary Scientific Conferences on Social Sciences and Arts, Varna, Bulgaria, 22 - 31 August 2016, vol.2, pp.143-150
- XLIV. **High Performance Fabrics in Body Protective Systems**
Gürgen S., Kuşhan M. C.
4th Asia Conference on Mechanical and Materials Engineering (ACMME 2016), Kuala-Lumpur, Malaysia, 14 - 18 July 2016
- XLV. **Yenilikçi Bir İmalat Yöntemi Ultrasonik Yardımlı Sıcak Tornalama**
GÜRGEN S., SOFUOĞLU M. A., ÇAKIR F. H., KUŞHAN M. C., ORAK S.
1st International Conference on Engineering Technology and Applied Sciences, Afyon, Turkey, 21 - 22 April 2016
- XLVI. **Zırhlı Araçların Geleceği ve Bu Araçlardaki Yeni Kompozit Malzemeler**
Kuşhan M. C.
21. Kara Araçları Teknoloji Paneli, Ankara, Turkey, 31 May 2016, pp.1-2
- XLVII. **The Relationship Between The European States Air Force and Their Geopolitical Positions**
KUŞHAN M. C.
15th International Conference of Scientific Papers "Scientific Search and Education Air Force AFASES 2013, Brasov, Romania, 24 - 26 May 2012, vol.2013, pp.647-650
- XLVIII. **Abrasive Properties Of Silicon Carbide Particles In Shear Thickening Fluid**
GÜRGEN S., KUŞHAN M. C.
Conference On Advances In Mechanical Engineering, İstanbul, Turkey, 13 - 16 May 2016
- XLIX. **Abrasive Properties of Silicon Carbide Particles in Shear Thickening Fluid**
GÜRGEN S., KUŞHAN M. C.
The 2nd International Conference on Advances in Mechanical Engineering – ICAME2016, İstanbul, Turkey, 10 - 13 May 2016, vol.1, pp.298-302

- L. **Yeni Bir Alışılmamış İmalat Yöntemi Sıcak Ultrasonik Yardımlı Tornalama**
GÜRGEN S., SOFUOĞLU M. A., ÇAKIR F. H., KUŞHAN M. C., ORAK S.
1. Uluslararası Mühendislik Teknolojileri ve Uygulamalı Bilimler Konferansı (ICETAS 2016), afyon, Turkey, 21 - 22 April 2016
- LI. **A400M gövdesinde kompozit malzeme uygulamaları**
KUŞHAN M. C., ÇAKIR F. H., GÜRGEN S., SOFUOĞLU M. A.
International Conference on Natural Science and Engineering, 19 - 20 March 2016
- LII. **Applications of Composite Materials in A400M Fuselage**
KUŞHAN M. C., ÇAKIR F. H., GÜRGEN S., SOFUOĞLU M. A.
International Conference on Natural Science and Engineering (ICNASE'16), Kilis, Turkey, 19 - 20 March 2016
- LIII. **An Optimization Approach to Prevent Chatter Vibrations**
Sofuoğlu M. A., Çakır F. H., Gürgen S., Orak S., Çelik O. N., Kuşhan M. C.
27th The IIER International Conference, Samara, Russia, 05 June 2015, pp.37-39
- LIV. **Flexible fixturing systems for low production quantities**
ÇAKIR F. H., GÜRGEN S., SOFUOĞLU M. A., ÇELİK O. N., KUŞHAN M. C., ORAK S.
27 th TheIIER International Conference, St. Petersburg, Russia, 05 June 2015
- LV. **Flexible Fixturing Systems for Low Production Quantities**
SOFUOĞLU M. A., ÇAKIR F. H., GÜRGEN S., ORAK S., ÇELİK O. N., KUŞHAN M. C.
27th The IIER International Conference, St. Petersburg, Russia, 4 December - 05 June 2015
- LVI. **Türkiye Türkmenistan Savunma Sanayii ilişkileri**
Kuşhan M. C.
Berkarar Döwletin Bagtyýarlyk Döwrüniň Sagdyn Jemgyýýet Ideýasy, Ashgabat, Turkmenistan, 12 February 2015
- LVII. **Operational Improvements in The Assembly Process of Lead Cable Using New Methods**
SOFUOĞLU M. A., ÇAKIR F. H., GÜRGEN S., KUŞHAN M. C.
World Conference on Technology, Innovation and Entrepreneurship, İstanbul, Turkey, 28 - 30 May 2015, pp.2576-2585
- LVIII. **Multi response optimization of turning operation with self-propelled rotary tool**
GÜRGEN S., SOFUOĞLU M. A., ÇAKIR F. H., ORAK S., KUŞHAN M. C.
World Conference on Technology, Innovation and Entrepreneurship, İstanbul, Turkey, 28 - 30 May 2015, pp.2592-2600
- LIX. **Finite Element Modeling of Ultrasonic Assisted Turning of Ti6Al4V Alloy**
ÇAKIR F. H., GÜRGEN S., SOFUOĞLU M. A., ÇELİK O. N., KUŞHAN M. C.
World Conference on Technology, Innovation and Entrepreneurship, İstanbul, Turkey, 28 - 30 May 2015, pp.2839-2848
- LX. **A Novel Approach for Armor Applications of Shear Thickening Fluids in Aviation and Defense Industry**
KUŞHAN M. C., GÜRGEN S., tolga ü., ÇEVİK S.
International Conference of Scientific Paper AFASES, bükreş, Romania, 22 - 24 May 2014
- LXI. **Wireless Eddy Current Probe Prototype and Monitor Design and Aircraft Maintenance Applications**
Engin G., Kuşhan M. C., Çevik S.
Applied Materials and Electronics Engineering, Kowloon, Hong Kong, 26 - 27 April 2014
- LXII. **Havacılıkta Standartizasyonun Önemi**
Kuşhan M. C.
Uluslararası "Standardizasyonun Küresel Ekonomiye Etkileri Sempozyumu", İstanbul, Turkey, 25 - 26 November 2013
- LXIII. **The Design of Laser Welding Vastrestraint Test for Weld Susceptibility of Inconel 718 Superalloy**
Çevik S., Kuşhan M. C., Engin G.
Materials Science and Engineering, Darmstadt, Germany, 23 - 24 September 2013
- LXIV. **New strategies for improvement of structural gas turbine engine parts**
Uzunonat Y., Üzgür S., KUŞHAN M. C.
2nd International Conference on Intelligent Materials, Applied Mechanics and Design Science, IMAMD 2013,

Guangzhou, China, 13 - 14 April 2013, vol.327, pp.1368-1373

- LXV. **Cost Reduction An Aircraft Engine Part Of Turbine Disc Manufacturing**
Kuşhan M. C., Büyüksolak E., Çevik S., Göde E.
INTERNATIONAL CONFERENCE of SCIENTIFIC PAPER AFASES 2013, Brasov, Romania, 23 May 2013 - 25 May 2103, vol.2013, pp.651-658
- LXVI. **A new system of failure warning and monitoring control system for gas turbine compressor (GTC)/auxiliary power unit (APU) of aircrafts and a sample study**
Kushan M. C., Peng Z., Peng S.
2012 2nd International Conference on Frontiers of Manufacturing Science and Measuring Technology, ICFMM 2012, Xian, China, 12 - 13 June 2012, pp.1633-1638
- LXVII. **The Effect of Laser Glazing on High Temperature Oxidation Resistance of Thermal Barrier Coatings**
DİLTEMİZ S. F., KUŞHAN M. C.
International Conference on Materials Science and Information Technology (MSIT 2011), Singapore, Singapore, 16 - 18 September 2011, pp.315-316
- LXVIII. **New Strategies for Improvement of Structural Gas Turbine Engine Parts**
UZUNONAT Y., ÇEVİK S., KUŞHAN M. C.
International Conference on Mechanical Engineering, Robotics and Aerospace, 20 October 2011 - 22 October 2012, vol.1
- LXIX. **Cyclic Oxidation Behaviour of MoSi₂ and MoSi₂-Si₃N₄ Composites for Aircraft Gas Turbine Elements**
Uzunonat Y., Uzgur S., Diltemiz S. F., Kushan M. C.
International Conference on Key Engineering Materials, Sanya, PEOPLES R CHINA, 25 - 27 March 2011, vol.214, pp.349-351
- LXX. **STATE-OF-ART TECHNOLOGY ALLVAC 718 Plus SUPERALLOY FOR GAS TURBINE ENGINE PARTS**
Uzgur S., UZUNONAT Y., Diltemiz F., KUŞHAN M. C., Gunay R.
International Conference on Advanced Material Research, Chongqing, China, 21 - 23 January 2011, vol.213, pp.131-132
- LXXI. **MoSi₂ Composites for High Temperature Structural Applications**
Uzunonat Y., Uzgur S., Diltemiz S. F., Kushan M. C., Olmez R.
International Conference on Key Engineering Materials, Sanya, PEOPLES R CHINA, 25 - 27 March 2011, vol.214, pp.103-105
- LXXII. **The Application of MoSi₂ as High Temperature Materials in Gas Turbine Engines**
KUŞHAN M. C., diltemiz S. F., UZUNONAT Y.
The Fifth International Conference on High Performance Ceramics, 10 - 13 May 2007, vol.1, pp.135-136
- LXXIII. **Frequency Optimization of a Vehicle Hood**
KUŞHAN M. C., ZAFER N.
The First Cappadocia Mechanical Engineering Symposium, Niğde, Turkey, 14 - 16 July 2004
- LXXIV. **Uçak Yapı Malzemeleri**
KUŞHAN M. C., ZAFER N.
I. UlusalMetalurji ve Malzeme Gunleri, Eskişehir, Turkey, 27 - 28 May 2004
- LXXV. **A Method for the Investigation of Superalloys Weldability**
KUŞHAN M. C., Sarayakupoğlu t., erdem m.
Advanced Engineering Design, Prag, Czech Republic, 1 - 04 June 2003, vol.1, pp.21-22
- LXXVI. **Türkiye Uçak Mühendisliği Eğitiminde Bakım Mühendisliğinin Önemi**
KUŞHAN M. C.
2. Ulusal Uçak Havacılık ve Uzay Mühendisliği Kurultayı, Eskişehir, Turkey, 10 May 2003, vol.1, pp.79-84
- LXXVII. **A new Weldabilty Test Method For Some Aero Engine Materials**
KUŞHAN M. C.
Kazakistan Devlet Üniversitesi Kongresi, 1 - 04 October 2002, vol.1, pp.26-29
- LXXVIII. **EB Vareststraint Test Method and an Application**
KUŞHAN M. C., Sarayakupoğlu T., erdem m.
23rd ICAS Congress, Toronto, Canada, 8 - 02 September 2002, vol.1, pp.8631-8634

LXXIX. EB ve TIG Kaynaklı Inconel 718'in Kaynak Sonrası Çökeltme Mekanizmasındaki Farklılıklar

yaman m., KUŞHAN M. C.

1. Uluslararası Havacılık ve İleri Teknolojiler Sempozyumu, 8 - 10 March 1995, vol.1, pp.413-421

Supported Projects

KUŞHAN M. C., Project Supported by Higher Education Institutions, SONLU ELEMENLAR YÖNTEMİ İLE SICAK ULTRASONİK YARDIMLI TORNALAMA İŞLEMİNİN İNCELENMESİ, 2018 - Continues

KUŞHAN M. C., KARAKAYA M., Project Supported by Higher Education Institutions, Karabaş Martı'xx dan Esinlenilmiş Biyomimetik Yollarla Bir İHA Tasarlanması ve Üretimi, 2018 - Continues

KUŞHAN M. C., Project Supported by Higher Education Institutions, Kuşlardan Esinlenmiş Motorlu Bir İnsansız Planör Konsept Tasarımı, 2018 - Continues

KUŞHAN M. C., ÇAKIR F. H., ÇAKIR F. H., TUBITAK Project, Havacılık Malzemelerinin Tornalama İşleminde Düşük Frekansta Titreşim Kullanarak İşleme Performansının ve Talaş Kontrolünün İyileştirilmesi, 2017 - Continues

Gürgen S., Kuşhan M. C., Sofuoğlu M. A., EU Supported Other Project, Educational Development for Sustainable and Eco-friendly Cork Composites in Aerospace Applications (ECOCORK), 2020 - 2023

Gürgen S., Kuşhan M. C., TUBITAK Project, Kayma Altında Katılaştan Sıvıların (Kaks) Zırhlı Araçlarda Kullanılan Parçacık Kalkanına Adapte Edilmesi, 2019 - 2020

Sofuoğlu M. A., Orak S., Kuşhan M. C., TUBITAK Project, Sıcak Ultrasonik Yardımlı Tornalama ile İşlenmiş Numuneler için Elektromekanik Empedans ve Artık Gerilme Değerlerinin İncelenmesi , 2019 - 2020

Kuşhan M. C., Çelik O. N., Gürgen S., Project Supported by Higher Education Institutions, UHMWPE matrisli kompozit yapıların mekanik ve tribolojik davranışlarının incelenmesi, 2018 - 2019

Kuşhan M. C., Çakır F. H., Gürgen S., Project Supported by Higher Education Institutions, Ultrasonik yardımlı tornalama işleminin deneysel olarak incelenmesi, 2016 - 2017

Kuşhan M. C., Orak S., TUBITAK Project, Sıcak Ultrasonik Yardımlı Tornalama İşleminin Deneysel Ve Sayısal Olarak İncelenmesi (Numerical and experimental investigation of hot ultrasonic assisted turning process), 2016 - 2017

Gürgen S., Kuşhan M. C., TUBITAK Project, Sıcak Ultrasonik Yardımlı Tornalama İşleminin Deneysel ve Sayısal Olarak İncelenmesi, 2016 - 2017

Kuşhan M. C., Gürgen S., Project Supported by Higher Education Institutions, Kayma altında katılaştan sıvı takviyeli zırh kumaşının seramik toz katkıları ile balistik açıdan geliştirilmesi, 2014 - 2016

KUŞHAN M. C., Project Supported by Higher Education Institutions, Elektron bombardıman EB TIG ve Lazer kaynaklı ALLVAC 718 Plus süper alaşımında soğuk ve sıcak çatlama hassasiyetinin belirlenmesi, 2012 - 2015

KUŞHAN M. C., Project Supported by Higher Education Institutions, Elektron Bombardıman (EB), TIG ve Lazer Kaynaklı ALLVAC 718 Plus Süper Alaşımında Soğuk ve Sıcak Çatlama Hassasiyetinin Belirlenmesi, 2011 - 2013

Patent

Gürgen S., Kuşhan M. C., Koruyuculuğu Artıran Seramik Toz Katkılı Kayma Altında Katılaştan Sıvı İçerikli Zırh Kumaşı, Patent, CHAPTER F Mechanical engineering; Lighting; Heating; Weaponry; Destroyed Materials, The Invention Recourse Number: 2017/19607 , Standard Registration, 2017

Metrics

Publication: 194

Citation (WoS): 1137

Citation (Scopus): 1495

H-Index (WoS): 19

H-Index (Scopus): 16

Non Academic Experience

University, ESTÜ, Mühendislik Mimarlık Fakültesi, Dış Danışmanlar Kurulu Üyesi

Professional Association, SAE, SAE, Üye

Chamber of Industry, Eskişehir Havacılık Kümelenmesi, ARGE VE İNOVASYON KURULU, Kurul Üyesi

Professional Chamber, TMMOB, MMO, Mühendislik Eğitimi Komisyonu

Chamber of Industry, Eskişehir Havacılık Kümelenmesi, Eskişehir Havacılık Kümelenmesi, Üye

Professional Chamber, TMMOB, MMO, YK Üyesi