

Asst. Prof. SEYİD FEHMİ DİLTEMİZ

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: ABI-5487-2020

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Education Information

Doctorate, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Fen Bil.Enst.Md.Lüğü, Turkey 2004 - 2010

Undergraduate, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Metallurgical And Materials Engineering, Turkey 1990 - 1994

Foreign Languages

English, C1 Advanced

Research Areas

Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, UÇAK MÜHENDİSLİĞİ BÖLÜMÜ, 2020 - Continues

Courses

AIRCRAFT MAINTENANCE ENGINEERING, Undergraduate, 2024 - 2025

UÇAK SİSTEMLERİNDE KOROZYON, Doctorate, 2024 - 2025, 2023 - 2024

MATERIALS SCIENCE, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023

MEASUREMENT TECHNIQUES, Undergraduate, 2023 - 2024

TECHNICAL ENGLISH, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023

HASARSIZ MUAYENE YÖNTEMLERİ, Postgraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023

SÜPERALAŞIMLAR, Postgraduate, 2023 - 2024, 2022 - 2023

HAVACILIK ENDÜSTRİSİNDE İLERİ ÜRETİM TEKNOLOJİLERİ, Postgraduate, 2022 - 2023

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Failure analysis of aircraft main landing gear cylinder support**
DİLTEMİZ S. F.
Engineering Failure Analysis, vol.129, 2021 (SCI-Expanded)
- II. **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)
- III. **Fatigue failure in aircraft structural components**
GÜRGEN S., KUŞHAN M. C., Diltemiz S. F.
HANDBOOK OF MATERIALS FAILURE ANALYSIS WITH CASE STUDIES FROM THE AEROSPACE AND AUTOMOTIVE INDUSTRIES, pp.261-277, 2016 (SCI-Expanded)
- IV. **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)
- V. **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)

Articles Published in Other Journals

- I. **Evaluation Of Foreign Object Damage On The Fan Blades with Microscopic Techniques**
Kırca A. İ., DİLTEMİZ S. F., Yumrukaya S., Batar A.
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.11, 2023 (Peer-Reviewed Journal)
- II. **Inspection of Surface Damage in Composite Materials with Different Techniques**
DİLTEMİZ S. F., Eroğlu E., Batar A., Yumrukaya S.
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.11, 2023 (Peer-Reviewed Journal)
- III. **Havacılık Kompozit Malzemelerinde Mikroskopik Teknikler Kullanılarak Yapısal Sağlık İzleme Uygulamaları**
DİLTEMİZ S. F., Mustafaoğlu S., KAYA F.
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.11, 2023 (Peer-Reviewed Journal)
- IV. **Thermographic Testing of Composite Materials Used in Rail System Vehicles**
DİLTEMİZ S. F., EROĞLU E.
Demiryolu Mühendisliği, no.17, pp.186-198, 2023 (Peer-Reviewed Journal)
- V. **Development of a low-cost wire arc additive manufacturing system**
Navarro M., Matar A., DİLTEMİZ S. F., Eshraghi M.
Journal of Manufacturing and Materials Processing, vol.6, no.1, 2022 (ESCI)
- VI. **Dizel Lokomotif Ağır Hizmet Motorunda Kullanılan Egzoz Supap Bagası Hasarları**
ÖZDEMİR Y., DİLTEMİZ S. F., Kandemir G.
Demiryolu Mühendisliği, vol.0, pp.75-83, 2022 (Peer-Reviewed Journal)
- VII. **Electron Beam Welding Vastrestraint Test of ALLVAC 718 Plus™ for Aviation Technology**
ÇEVİK S., Huijun L., KUŞHAN M. C., Ma Y., UZUNONAT Y., DİLTEMİZ S. F.
Advanced Science Letters, vol.13, no.1, pp.831-832, 2012 (Peer-Reviewed Journal)
- VIII. **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)
- IX. **The Effect of Laser Glazing on High Temperature Oxidation Resistance of Thermal Barrier Coatings**
DİLTEMİZ S. F., KUŞHAN M. C.
Advanced Materials Research, vol.433440, pp.315-318, 2012 (Peer-Reviewed Journal)
- X. **MoSiSub2/sub Composites for High Temperature Structural Applications**

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

Advanced Materials Research, vol.214, pp.103-107, 2011 (Peer-Reviewed Journal)

- XI. **Cyclic Oxidation Behaviour of MoSi₂ and MoSi₂-Si₃N₄ Composites for Aircraft Gas Turbine Elements**
UZUNONAT Y., ÇEVİK S., DİLTEMİZ S. F., KUŞHAN M. C.
Advanced Materials Research, vol.214, pp.349-353, 2011 (Peer-Reviewed Journal)
- XII. **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)
- XIII. **CHARACTERIZATION OF 6061 T651 ALUMINUM PLATES SUBJECTED TO HIGH-VELOCITY IMPACT LOADS**
ÖZŞAHİN E., DİLTEMİZ S. F., TOLUN S.
ANADOLU UNIVERSITY JOURNAL OF SCIENCE AND TECHNOLOGY –A, vol.12, no.1, pp.65-74, 2011 (Peer-Reviewed Journal)
- XIV. **THE EFFECT OF LASER GLAZING PROCESS ON MICROSTRUCTURE OF PLASMA SPRAYED THERMAL BARRIER COATINGS**
KUŞHAN M. C., DİLTEMİZ S. F.
ANADOLU UNIVERSITY JOURNAL OF SCIENCE AND TECHNOLOGY –A, vol.12, no.2, pp.105-110, 2011 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Fatigue failure in aircraft structural components**
Gürgen S., Kuşhan M. C., Diltemiz S. F.
in: Handbook of Materials Failure Analysis With Case Studies from the Aerospace and Automotive Industries, Abdel Salam Hamdy Makhlof, Mahmood Aliofkhaezrai, Editor, Elsevier Science, Oxford/Amsterdam, Illinois, pp.261-277, 2015
- II. **Superalloys for Super Jobs**
Diltemiz S. F., Zhang S. (Editor)
in: Aerospace Materials Handbook, S Zhang, D Zhao, Editor, CRC, New York, New York, pp.1-76, 2013
- III. **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
- IV. **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

Refereed Congress / Symposium Publications in Proceedings

- I. **THE EFFECT OF LASER CUTTING AND MIG WELDING PARAMETERS ON CONNECTION PROPERTIES IN ALUMINUM ALLOYS**
Diltemiz S. F., Çakır G.
4. BİLSEL INTERNATIONAL WORLD SCIENCE AND RESEARCH CONGRESS, İstanbul, Turkey, 22 - 23 June 2024, pp.574
- II. **BİR UÇAK BRAKETİNİN TOPOLOJİ OPTİMİZASYONU VE GELENEKSEL METOTLARLA ÜRETİLEBİLİR ŞEKİLDE YENİDEN MODELLENMESİ**
Diltemiz S. F., Gönenç S.
3. BİLSEL INTERNATIONAL TRUVA SCIENTIFIC RESEARCHES AND INNOVATION CONGRESS, Çanakkale, Turkey, 25 - 26 May 2024, pp.684

- III. **UÇAK MOTOR BAKIMINDA YAĞ SİSTEM ELEMANLARINDAKİ HASARLARIN ERKEN TESPİTİ AMACIYLA KULLANILAN MANYETİK ÇİP DEDEKTÖRLER**
Diltemiz S. F., Altun Ö.
INTERNATIONAL MAINTENANCE TECHNOLOGIES CONGRESS AND EXHIBITION, Denizli, Turkey, 20 - 22 October 2022, pp.351-358
- IV. **Uçak Kompozit Yapılarında Termografik Analiz ile Tahribatsız Muayene**
Erođlu 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
- V. **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
- VI. **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

Metrics

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H-Index (Scopus): 5