

Assoc. Prof. FATİH KAHRAMAN

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: P-9521-2019

Yoksis Researcher ID: 113709

Education Information

Doctorate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Konstrüksiyon-İmalat (Dr), Turkey 2002 - 2008

Postgraduate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Konstrüksiyon-İmalat (YI) (Tezli), Turkey 1998 - 2002

Undergraduate, Pamukkale University, Faculty Of Engineering, Department Of Mechanical Engineering, Turkey 1994 - 1998

Dissertations

Doctorate, Süperalaşımların nitrürlenerek yüzey özelliklerinin incelenmesi, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Konstrüksiyon-İmalat (Dr), 2008

Postgraduate, Masif ve özlü telle yapılmış gazaltı kaynak dikişlerinin karşılaştırmalı olarak incelenmesi, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Konstrüksiyon-İmalat (YI) (Tezli), 2002

Research Areas

Mechanical Engineering, Metallurgical and Materials Engineering

Academic Titles / Tasks

Associate Professor, Dokuz Eylul University, Mühendislik Fakültesi, Makina Mühendisliği Bölümü, 2023 - Continues

Assistant Professor, Dokuz Eylul University, Mühendislik Fakültesi, Makina Mühendisliği Bölümü, 2013 - 2023

Research Assistant, Dokuz Eylul University, Mühendislik Fakültesi, Makina Mühendisliği Bölümü, 1999 - 2013

Courses

MAKİNA MÜHENDİSLİĞİNDE ÖLÇÜM VE ANALİZ LAB., Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2015 - 2016, 2014 - 2015

İMAL USULLERİ, Undergraduate, 2019 - 2020, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

ÖZEL İMALAT YÖNTEMLERİ, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

KAYNAK KONSTRÜKSİYONU, Postgraduate, 2019 - 2020, 2018 - 2019

İMAL USULLERİ 2, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013

- 2014

KAYNAK TAKNİĞİ, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

KAYNAK MAKİNALARI VE EKİPMANLARI, Postgraduate, 2019 - 2020

İMAL USULLERİ 1, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013

- 2014

KAYNAK ÖZEL YÖNTEMLERİ, Postgraduate, 2019 - 2020

PLASMA MÜHENDİSLİĞİ, Postgraduate, 2018 - 2019, 2017 - 2018

PLASMA MÜHENDİSLİĞİ, Doctorate, 2018 - 2019

KAYNAK KONSTRÜKSİYONU, Doctorate, 2018 - 2019

MAKİNA MÜHENDİSLİĞİNDE ÖLÇÜM VE ANALİZ LAB., Postgraduate, 2016 - 2017

TEMEL BİLGİ TEKNOLOJİLERİ, Undergraduate, 2013 - 2014

Advising Theses

Kahraman F., Metalik malzeme üretimi yapan 3 boyutlu yazıcı tasarımı ve imalatı, Doctorate, A.AYDIN(Student), Continues

Kahraman F., Soğuk püskürtme yöntemi ile karbon nanotüp takviyeli metal kompozit tabaka oluşturulması, Doctorate, M.BATUHAN(Student), Continues

Kahraman F., Kaynak kabiliyeti düşük alüminyum alaşımları için kaynak teli tasarımı ve imalatı, Doctorate, C.YOLCU(Student), Continues

KAHRAMAN F., Surface metallization of ceramics, Postgraduate, M.FURKAN(Student), 2020

KAHRAMAN F., İnce Taneli Yüksek Mukavemetli Çeliklerin Gaz metal Ark Kaynak (MIG/MAG) Yöntemi ile Kaynak Kabiliyetinin İncelenmesi, Postgraduate, G.ELİF(Student), 2020

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Effect of different corrosive media on the corrosion resistance and mechanical properties of armor steel**
YAZICI A., ZEYBEK M. S., KAHRAMAN F.
MATERIALS TESTING, vol.65, no.7, pp.1025-1038, 2023 (SCI-Expanded)
- II. **Effect of the substrate surface and coating powder hardness on the formation of a cold sprayed composite layer**
Demirer Kahraman A., Kahraman F., Çulha O., Yağcı T.
MATERIALPRUEFUNG/MATERIALS TESTING, vol.65, no.1, pp.144-152, 2023 (SCI-Expanded)
- III. **Effect of reinforcement particle amounts on dry sliding wear behavior of shot-peened SiC/A356 composites**
YOLCU C., KAHRAMAN F.
MATERIALS TESTING, vol.64, no.4, pp.594-601, 2022 (SCI-Expanded)
- IV. **Role of enhanced surface grain refinement and hardness improvement induced by the combined effect of friction stir processing and ultrasonic impact treatment on slurry abrasive wear performance of silicon carbide particle reinforced A356 composites**
Gençer G. M., Kahraman F., Yolcu C.
MATERIALS RESEARCH EXPRESS, vol.8, no.12, 2021 (SCI-Expanded)
- V. **Effect of the surface grain refinement on the wear properties of A356/SiC composites**
YOLCU C., KAHRAMAN F.
MATERIALS RESEARCH EXPRESS, vol.6, no.11, 2019 (SCI-Expanded)
- VI. **Effect of the surface nanocrystallization on tribological behavior of the Cu based bimetallic materials (CuPbSn)**
Gencer G. M., YOLCU C., KAHRAMAN F., SAKLAĞOĞLU N.

- MATERIALS RESEARCH EXPRESS, vol.6, no.11, 2019 (SCI-Expanded)
- VII. **Effect of the loads on the wear resistance of the Cr2O3-TiO2 coated AA 6082 alloy under unlubricated conditions**
Kahraman A. D., YOLCU C., KAHRAMAN F.
MATERIALS RESEARCH EXPRESS, vol.6, no.8, 2019 (SCI-Expanded)
- VIII. **Effect of substrate surface preparation on cold sprayed Al-Zn-Al2O3 composite coating properties**
Kahraman A. D., KAHRAMAN F., ÇULHA O.
MATERIALS TESTING, vol.61, no.8, pp.755-758, 2019 (SCI-Expanded)
- IX. **LOW-TEMPERATURE NITRIDING BEHAVIOR OF COMPRESSIVE DEFORMED AISI 316Ti AUSTENITIC STAINLESS STEELS**
KAHARAMAN F., Gencer G. M., Kahraman A. D., YOLCU C., Kahraman H.
SURFACE REVIEW AND LETTERS, vol.26, no.5, 2019 (SCI-Expanded)
- X. **Surface layer properties of ultrasonic impact-treated AA7075 aluminum alloy**
KAHARAMAN F.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART B-JOURNAL OF ENGINEERING MANUFACTURE, vol.232, no.12, pp.2218-2225, 2018 (SCI-Expanded)
- XI. **Wear behavior of ultrasonic impact treated S235JR steel**
Kahraman F., Kahraman H., YOLCU C., Kahraman A. D.
MATERIALS TESTING, vol.59, no.5, pp.445-449, 2017 (SCI-Expanded)
- XII. **A Case Study for the Welding of Dissimilar EN AW 6082 and EN AW 5083 Aluminum Alloys by Friction Stir Welding**
Kasman Ş., Kahraman F., Emiralioglu A., Kahraman H.
METALS, vol.7, no.1, 2017 (SCI-Expanded)
- XIII. **Investigations for the effect of parameters on the weld performance of AA 5083-H111 joined by friction stir welding**
Kasman Ş., Kahraman F.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART B-JOURNAL OF ENGINEERING MANUFACTURE, vol.228, no.8, pp.937-946, 2014 (SCI-Expanded)
- XIV. **INVESTIGATION OF WEAR BEHAVIOUR OF PLASMA NITRIDED X40CrMoV5-1 HIGH ALLOY STEEL**
KAHARAMAN F., Gencer G. M., Karadeniz S.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.28, no.1, pp.7-14, 2013 (SCI-Expanded)
- XV. **INVESTIGATION OF WEAR BEHAVIOUR OF PLASMA NITRIDED X40CrMoV5-1 HIGH ALLOY STEEL**
Kahraman F., Gençer G. M., Karadeniz S.
Journal Of The Faculty Of Engineering And Architecture Of Gazi University, vol.28, no.1, pp.7-14, 2013 (SCI-Expanded)
- XVI. **Characterization and Wear Behavior of Plasma Nitrided Nickel Based Dental Alloy**
KAHARAMAN F., Karadeniz S.
PLASMA CHEMISTRY AND PLASMA PROCESSING, vol.31, no.4, pp.595-604, 2011 (SCI-Expanded)

Articles Published in Other Journals

I. Welding Methods of Polymer Composites

KAHARAMAN F., Kahraman A. D.

International Journal of Advanced Natural Sciences and Engineering Researches (IJANSER), vol.7, no.11, pp.119-127, 2023 (Peer-Reviewed Journal)

II. Mechanical Fastening Methods of Polymer-Based Composites

KAHARAMAN F., Kahraman A. D.

International Journal of Advanced Natural Sciences and Engineering Researches (IJANSER), vol.7, no.10, pp.234-239, 2023 (Peer-Reviewed Journal)

- III. **IMPROVEMENT OF HEAT AFFECTED ZONE OF GTAWed 5754 ALUMINUM ALLOY WITH FSP**
KAHRAMAN F., GENÇER G. M., Yolcu C.
Konya mühendislik bilimleri dergisi (Online), vol.11, no.3, pp.758-769, 2023 (Peer-Reviewed Journal)
- IV. **A Survey on Post-Weld Modification of Microstructural and Mechanical Properties of GTAWed Aluminum Butt Joints Through FSP and T6 Heat Treatment**
Gençer G. M., Yolcu C., Kahraman F.
Mühendis ve Makina, vol.63, no.708, pp.511-524, 2022 (Peer-Reviewed Journal)
- V. **An Exoskeleton Hand Design and Manufacturing for Persons Losing Hand Function**
Kahraman F., Gençer G. M., Gören A.
İleri Mühendislik Çalışmaları ve Teknolojileri Dergisi, vol.3, no.1, pp.1-12, 2022 (Peer-Reviewed Journal)
- VI. **Comparison Of The Effects Of Ultrasonic Impact Treatment And Age Hardening On Wear Resistance Of SiCp/A356 Composite**
Gençer G. M., Yolcu C., Kahraman F., Belevi M.
Mühendis ve Makina, vol.62, no.705, pp.768-783, 2021 (Peer-Reviewed Journal)
- VII. **Comparative Examination of Microstructure and Mechanical Properties of AA5754 Aluminum Alloy Joined with Cold Metal Transfer (CMT) and Pulsed Cold Metal Transfer (Pulsed CMT) Welding Processes**
Kahraman F., Gençer G. M., Yolcu C., Demirer Kahraman A., Dilbaz M. E.
Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, vol.20, no.59, pp.635-646, 2018 (Peer-Reviewed Journal)
- VIII. **Östenitik Paslanmaz Çelikler İle Takım Çeliklerinin Birbirleri İle Kaynağında Oluşan Kaynak Bölgesinin İncelenmesi**
KAHRAMAN F., KASMAN Ş., DEMİRER KAHRAMAN A., TUNUSLU O.
El-Cezerî Fen ve Mühendislik Dergisi, vol.4, no.1, pp.64-71, 2017 (Scopus)
- IX. **The Effect of Pin Shape and the Ratio of Tool Rotational Speed to Welding Speed on the Mechanical Properties**
Kasman Ş., Kahraman F., Kahraman H., Emiralioğlu A.
El-Cezeri Journal of Science and Engineering, vol.4, no.1, pp.101-107, 2017 (Scopus)
- X. **Investigation of surface properties of high temperature nitrided titanium alloys**
Koyuncu E., KAHRAMAN F., KARADENİZ Ö.
Journal of Achievements in Materials and Manufacturing Engineering, vol.37, no.2, pp.434-441, 2009 (Scopus)
- XI. **Gözle Muayene**
KARADENİZ Ö., KAHRAMAN F., Karadeniz S.
MakineTek, pp.146-150, 2004 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **AN EXPERIMENTAL COMPARISON OF STEEL WIRE ROPE SERVICE LIFE USED INHOISTS**
AYDIN A., KURTMEN E., KAHRAMAN F., IVKOVIC V.
in: RESEARCH REVIEWS IN ENGINEERING – Summer, 2019 (AN EXPERIMENTAL COMPARISON OF STEEL WIRE ROPE SERVICE LIFE USED INHOISTS), Dr. Mahmut TURHAN, Editor, Gece Akademi, Ankara, pp.283-297, 2019
- II. **CAN HUMAN BEINGS PRODUCE EVERYTHING? THE LIMITS OF THE 3D PRINTERS**
AYDIN A., KAHRAMAN F., IVKOVIC V.
in: RESEARCH REVIEWS IN ENGINEERING – Summer, 2019 (CAN HUMAN BEINGS PRODUCE EVERYTHING? THE LIMITS OF THE 3D PRINTERS), Dr. Mahmut TURHAN, Editor, Gece Akademi, Ankara, pp.137-153, 2019

Refereed Congress / Symposium Publications in Proceedings

- I. **Experimental Study on The Modification of Microstructural and Mechanical Properties of Stir Casted**

A356+SiCp Plate Via Multipass Friction Stir Processing

Gençer G. M., Yolcu C., Kahraman F.

6. Uluslararası Akademik Araştırmalar Kongresi (ICAR 6), Elazığ, Turkey, 23 - 25 August 2021, pp.144-145

- II. **Improvement of the Tribological Characteristic of Bimetallic Journal Bearing With Surface Coating by Cold Spray Process**
Yolcu C., Gençer G. M., Kahraman F., Demirer Kahraman A.
International Academic Conference on Applied Research in Engineering, Science & Technology (ICARET 2018), Brussels, Belgium, 14 - 15 September 2018, pp.11-16
- III. **Investigation of the Microstructures and Mechanical Properties of Thin 5083 Aluminum Alloy Plates Welded by Double Pulse Gmaw Method**
Gençer G. M., Kahraman F., Yolcu C., Demirer Kahraman A., Demircioğlu A.
International Academic Conference on Applied Research in Engineering, Science & Technology (ICAREST 2018), Brussels, Belgium, 14 - 15 September 2018, pp.44-52
- IV. **Investigation of Microstructures and Mechanical Properties of the Joints Which Welded by the Pinless Tool and The Designed Tool to Reduce the Keyhole in The Friction Stir Spot Welding**
Kahraman F., Demirer Kahraman A., Yolcu C., Gençer G. M., Tüm M.
International Academic Conference on Applied Research in Engineering, Science & Technology (ICAREST 2018), Brussels, Belgium, 14 - 15 September 2018, pp.18-28
- V. **Investigation of Surface Mechanical Properties of Cu Based Bimetal Sliding Bearing Materials**
Gençer G. M., Yolcu C., Kahraman F.
International Advanced Researches & Engineering Congress (IAREC 2017), Osmaniye, Turkey, 16 - 18 November 2017, pp.491
- VI. **Examination the Wear Behaviors of Deformed Cu Based Bimetals with Ultrasonic Impact Treated**
Yolcu C., Gençer G. M., Kahraman F.
International Advanced Researches & Engineering Congress (IAREC 2017), Osmaniye, Turkey, 16 - 18 November 2017, pp.492
- VII. **Effect of Pin Geometry and Welding Speed to Tool Rotation Speed Ratio on the Welding Performance of AA 7075 Aluminum Alloy**
KASMAN Ş., KAHRAMAN F.
International Conference on Advances and Innovations in Engineering (ICAIE), 10 - 12 May 2017
- VIII. **An experimental Study on Friction Stir Butt Welded AA7075-T651 Alloys and Their Mechanical Properties**
KAHRAMAN F., KASMAN Ş., AYDIN A., EMİRALİOĞLU A., YOUSUF W.
International Conference on Advances and Innovations in Engineering (ICAIE), Elazığ, Turkey, 10 - 12 May 2017
- IX. **AA6082 AA7075 ALAŞIMLARININ SÜRTÜNME KARIŞTIRMA KAYNAĞI İLE KAYNAKLANABİLİRLİĞİNE TAKIM PİM PROFİLİNİN ETKİSİNİN İNCELENMESİ**
KASMAN Ş., KAHRAMAN F., EMİRALİOĞLU A., KAHRAMAN H.
16th International Materials Symposium IMSP'2016, Denizli, Turkey, 12 - 14 October 2016
- X. **TIG MIG VE FSW KAYNAK YÖNTEMLERİ İLE KAYNAK EDİLMİŞ AA6082 T6ALÜMİNYUM ALAŞIMININ MİKROYAPI VE MEKANİK ÖZELLİKLERİNİN KARIŞILASTIRILMASI**
KAHRAMAN F., KASMAN Ş., AYDIN A., EMİRALİOĞLU A., KAHRAMAN D A.
16th International Materials Symposium IMSP'2016, Denizli, Turkey, 12 - 14 October 2016
- XI. **SÜRTÜNME KARIŞTIRMA KAYNAK YÖNTEMİ İLE BİRLEŞTİRİLENEN AW5754 ve EN AW7075 PLAKALARIN MEKANİK ÖZELLİKLERİNİN PİM GEOMETRİSİNİN ETKİLERİNİN İNCELENMESİ**
KASMAN Ş., KAHRAMAN F., EMİRALİOĞLU A., KAHRAMAN H.
16th International Materials Symposium IMSP'2016, Denizli, Turkey, 12 - 14 October 2016
- XII. **AA7075 T651 ALÜMİNYUM ALAŞIMININ SÜRTÜNME KARIŞTIRMA KAYNAĞINDA FARKLI KARIŞTIRICI UÇ DÖNME VE İLERLEME HIZLARININ MİKROYAPI VE MEKANİK ÖZELLİKLERE ETKİSİNİN İNCELENMESİ**
KAHRAMAN F., KASMAN Ş., AYDIN A.
16th International Materials Symposium IMSP'2016, 12 - 14 October 2016

- XIII. **Sürtünme Karıştırma Kaynak Yöntemi ile Birleştirilmiş AA7075 T651 Alüminyum Alaşımlarının Farklı Karıştırıcı Pim Geometrilere Kaynak Performansına Etkisinin İncelenmesi**
KASMAN Ş., KAHRAMAN F., AYDIN A.
4th International Symposium on Innovative Technologies in Engineering and Science, Antalya, Turkey, 3 - 05 November 2016
- XIV. **The Usage of Vibratory Stress Relief Method in Welding**
Kahraman F., Gençer G. M.
3rd International Conference On Thermophysical And Mechanical Properties Of Advanced Materials (THERMAM 2016), İzmir, Turkey, 1 - 03 September 2016, pp.48
- XV. **A CASE STUDY FOR THE WELDING OF DISSIMILAR EN AW 6082 AND EN AW 5083 ALUMINUM ALLOYS BY FRICTION STIR WELDING**
KASMAN Ş., KAHRAMAN F., EMİRALİOĞLU A., KAHRAMAN H.
4. ULUSLARARASI KAYNAK TEKNOLOJİLERİ KONFERANSI ve SERGİSİ, Gaziantep, Turkey, 11 - 13 May 2016
- XVI. **THE EFFECT OF PIN SHAPE AND THE RATIO OF TOOL ROTATIONAL SPEED TO WELDING SPEED ON THE MECHANICAL PROPERTIES**
KASMAN Ş., KAHRAMAN F.
4. ULUSLARARASI KAYNAK TEKNOLOJİLERİ KONFERANSI ve SERGİSİ, Gaziantep, Turkey, 11 - 13 May 2016
- XVII. **ÖSTENİTİK PASLANMAZ ÇELİKLER İLE TAKIM ÇELİKLERİNİN BİRBİRLERİ İLE KAYNAĞINDA OLUŞAN KAYNAK BÖLGESİNİN İNCELENMESİ**
KAHRAMAN F., KASMAN Ş., KAHRAMAN D A., OĞUZHAN T.
4. ULUSLARARASI KAYNAK TEKNOLOJİLERİ KONFERANSI ve SERGİSİ, Gaziantep, Turkey, 11 - 13 May 2016
- XVIII. **THE EFFECTS OF PRESSURE DEFORMATION ON SURFACE MECHANICAL PROPERTIES AND MICROSTRUCTURE OF SAE 1008 STEEL**
Gençer G. M., Kahraman F.
Conference of The International Journal of Arts & Sciences, Paris, France, 11 - 14 April 2016, pp.203-207
- XIX. **Plazma Nitrürlenmiş Wiroloy Nikel Krom Alaşımının Sertlik Değişiminin Yapay Sinir Ağları İle İncelenmesi**
KAHRAMAN F., KARADENİZ Ö., DURMUŞ H.
5. Uluslararası İleri Teknolojiler Sempozyumu, Karabük, Turkey, 13 - 15 May 2009, pp.1105-1108
- XX. **Investigation Of Surface Properties Of High Temperature Nitrided Titanium Alloys**
Koyuncu E., KAHRAMAN F., KARADENİZ Ö.
Uluslararası Denizli Malzeme Sempozyumu, Denizli, Turkey, 15 - 17 October 2008, pp.620-630
- XXI. **AISI H13 Sıcak İş Takım Çeliğinin Nitrürleme Davranışı**
KAHRAMAN F., KARADENİZ Ö., Karadeniz S.
11. Uluslararası Malzeme Sempozyumu, Denizli, Turkey, 19 - 21 April 2006, pp.354-358

Metrics

Publication: 57

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H-Index (Scopus): 4