

Prof. ALİ RIZA MOTORCU

Personal Information

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Address: Canakkale Onsekiz Mart University Engineering Faculty Industrial engineering Department Annexe 3rd Floor Terzioğlu Campus 17100/Canakkale

Education Information

Doctorate, Gazi University, Gazi University Institute of Science and Technology, Mechanical Education, Turkey 2001 - 2006

Postgraduate, Gazi University, Gazi University Institute of Science and Technology, Mechanical Education, Turkey 1997 - 2001

Undergraduate, Gazi University, Technical Education Faculty, Mechanical Education, Turkey 1992 - 1996

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Vocational Course, SOLIDCAM-2.5-3 Eksen Freze Eğitimi, TEKYAZ Teknolojik Yazılımlar ve Makine Ticareti A.Ş., 2011

Vocational Course, SolidCAM-Torna Eğitimi, TEKYAZ Teknolojik Yazılımlar ve Makine Ticareti A.Ş., 2010

Vocational Training, Form ve Kameralı Ölçüm Cihazları, Mitutoyo---Bilginoğlu Endüstri Malzemeleri ve Sanayi Ticaret A.Ş., 2009

Vocational Course, Yabancı Dil (İngilizce), Orta Doğu Teknik Üniversitesi, 1998

Quality Management, Total Quality Management and Suppliers' Qualification Methods, Gazi Üniversitesi (GEÇER)--BME (BME is the German Association for Materials and Purchasing Managers), 1998

Dissertations

Doctorate, Machinability of AISI 1050, AISI 4140 and AISI E 52100 Steel's by Different Cutting Tools and Development of Models, Gazi University, Fen Bilimleri Enstitüsü, 2006

Postgraduate, Developing a program for machining parts on CNC milling machines according to optimum time, cost and quality, Gazi University, Fen Bilimleri Enstitüsü, 2001

Research Areas

Industrial Engineering , Production Planning and Control, Facility Location and Design, Quality and Reliability, Quality Control, Mechanical Engineering, Construction and Manufacturing, Machine Design, Computer Aided Design and Manufacturing, Non-traditional manufacturing methods, Machining Methods, Engineering and Technology

Academic Titles / Tasks

Professor, Canakkale Onsekiz Mart University, Mühendislik Fakültesi, Endüstri Mühendisliği, 2020 - Continues
Associate Professor, Canakkale Onsekiz Mart University, Mühendislik Fakültesi, Endüstri Mühendisliği, 2011 - 2020
Associate Professor, Canakkale Onsekiz Mart University, Çanakkale Teknik Bilimler Meslek Yüksek Okulu, Makine Ve Metal Teknolojileri, 2010 - 2011
Assistant Professor, Canakkale Onsekiz Mart University, Çanakkale Teknik Bilimler Meslek Yüksek Okulu, Makine Ve Metal Teknolojileri, 2010 - 2010
Lecturer PhD, Bursa Uludağ University, Teknik Bilimler Meslek Yüksekokulu, Makine Ve Metal Teknolojileri Bölümü, 2007 - 2009
Research Assistant, Gazi University, Teknik Eğitim Fakültesi, Makine Eğitimi Bölümü, 1997 - 2006

Academic and Administrative Experience

Head of Department, Canakkale Onsekiz Mart University, Mühendislik Fakültesi, Endüstri Mühendisliği, 2022 - Continues
Bölüm Akademik Teşvik Değerlendirme Komisyonu Başkanı, Canakkale Onsekiz Mart University, Mühendislik Fakültesi, Endüstri Mühendisliği, 2021 - Continues
Canakkale Onsekiz Mart University, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, 2020 - Continues
Fakülte Akademik Kurul Üyesi, Canakkale Onsekiz Mart University, Mühendislik Fakültesi, Endüstri Mühendisliği, 2017 - Continues
Canakkale Onsekiz Mart University, Mühendislik Fakültesi, Endüstri Mühendisliği, 2017 - 2020
Canakkale Onsekiz Mart University, Fen Bilimleri Enstitüsü- İş Güvenliği, İş Güvenliği, 2014 - 2016
Canakkale Onsekiz Mart University, Mühendislik Fakültesi, 2011 - 2016
Canakkale Onsekiz Mart University, Mühendislik Fakültesi, Endüstri Mühendisliği, 2011 - 2016
Canakkale Onsekiz Mart University, Çanakkale Uygulamalı Bilimler Yüksekokulu, 2013 - 2015
Canakkale Onsekiz Mart University, Çanakkale Uygulamalı Bilimler Yüksekokulu, 2013 - 2015
Canakkale Onsekiz Mart University, Çanakkale Uygulamalı Bilimler Yüksekokulu, 2013 - 2015
Canakkale Onsekiz Mart University, Gökçeada Meslek Yüksekokulu, 2011 - 2012
Canakkale Onsekiz Mart University, Gökçeada Uygulamalı Bilimler Yüksekokulu, 2011 - 2012
Canakkale Onsekiz Mart University, Gökçeada Uygulamalı Bilimler Yüksekokulu, 2011 - 2012
Canakkale Onsekiz Mart University, Gökçeada Uygulamalı Bilimler Yüksekokulu, 2011 - 2012
Canakkale Onsekiz Mart University, Akademik Değerlendirme Ve Kalite Geliştirme Kurulu (Adek), Çanakkale Meslek Yüksekokulu, 2010 - 2011
Canakkale Onsekiz Mart University, Çanakkale Meslek Yüksekokulu, Denizcilik Bölümü, 2010 - 2011
Canakkale Onsekiz Mart University, Çanakkale Meslek Yüksekokulu, Çanakkale Meslek Yüksekokulu, 2010 - 2011

Courses

Seminer, Doctorate, 2021 - 2022
Uzmanlık Alan, Postgraduate, 2018 - 2019, 2020 - 2021, 2021 - 2022
İmalat İşlemleri I, Associate Degree, 2018 - 2019, 2021 - 2022
İmalat İşlemleri II, Associate Degree, 2019 - 2020, 2020 - 2021
Teknik Resim II, Associate Degree, 2019 - 2020, 2020 - 2021
Teknik Resim I, Associate Degree, 2017 - 2018, 2019 - 2020, 2021 - 2022
Technical Drawing, Undergraduate, 2020 - 2021, 2021 - 2022
Mühendislik İş Güvenliği Araştırma Ve Uygulamaları İçin Teknometri, Doctorate, 2020 - 2021, 2021 - 2022
Taşıma, İletim ve Depolama Sistemlerinde İş Güvenliği, Postgraduate, 2020 - 2021
Yeterlilik Çalışması, Doctorate, 2021 - 2022
Manufacturing Methods I, Associate Degree, 2020 - 2021

Talaşlı İmalatta İş Kazaları, Önlemleri ve Maliyet Analizi, Postgraduate, 2020 - 2021
Technical Drawing I, Associate Degree, 2020 - 2021
Uzmanlık Alan Dersi, Postgraduate, 2020 - 2021
Uzmanlık Alan Dersi, Postgraduate, 2019 - 2020
Uzmanlık Alan Dersi, Postgraduate, 2019 - 2020
Bilgisayar Destekli Teknik Çizim (B Şubesi), Undergraduate, 2018 - 2019
Bilgisayar Destekli Teknik Çizim (A Şubesi), Undergraduate, 2018 - 2019
İmalat İşlemleri II, Associate Degree, 2018 - 2019
Taşıma, İletim ve Depolama Sistemlerinde İş Güvenliği, Postgraduate, 2019 - 2020
İmalat İşlemleri I, Associate Degree, 2017 - 2018, 2019 - 2020
Uzmanlık Alan Dersi, Postgraduate, 2018 - 2019
Seminer, Postgraduate, 2018 - 2019
Bakım Onarımında İş Güvenliği, Postgraduate, 2015 - 2016, 2017 - 2018, 2018 - 2019, 2019 - 2020
Teknik Resim II, Associate Degree, 2018 - 2019
Talaşlı İmalatta İş Kazaları, Önlemleri ve Maliyet Analizi, Postgraduate, 2019 - 2020
Talaşlı İmalatta İş Kazaları, Önlemleri ve Maliyet Analizi, Postgraduate, 2018 - 2019
Taşıma, İletim ve Depolama Sistemlerinde İş Güvenliği, Postgraduate, 2018 - 2019
İmalat İşlemleri II, Associate Degree, 2017 - 2018
Bilgisayar Destekli Teknik Çizim, Undergraduate, 2017 - 2018
Hidrolik ve Pnömatik, Associate Degree, 2017 - 2018
Bilgi ve İletişim Teknolojisi, Associate Degree, 2017 - 2018
Teknik Resim II, Associate Degree, 2017 - 2018
Teknik Resim I, Associate Degree, 2018 - 2019
Araştırma Yöntem ve Teknikleri, Associate Degree, 2015 - 2016, 2017 - 2018
Teknik Resim, Undergraduate, 2017 - 2018
Bilgisayar Destekli Çizim, Associate Degree, 2017 - 2018
Talaşlı İmalatta İş Kazaları, Önlemleri ve Maliyet Analizi, Postgraduate, 2017 - 2018
İmalat Yöntemleri ve Takım Tezgahları, Undergraduate, 2011 - 2012, 2012 - 2013, 2014 - 2015, 2015 - 2016
Paket Programlar ile Deneysel Tasarım ve Veri Analizi, Postgraduate, 2015 - 2016
Talaşlı İmalatta İş Kazaları, Önlemleri ve Maliyet Analizi, Postgraduate, 2015 - 2016
Quality Assurance and Standards, Associate Degree, 2013 - 2014, 2015 - 2016
Makine Elemanları, Associate Degree, 2015 - 2016
Materials Science, Undergraduate, 2010 - 2011, 2012 - 2013, 2013 - 2014, 2014 - 2015, 2015 - 2016
Makine Resmi, Undergraduate, 2010 - 2011, 2012 - 2013, 2013 - 2014, 2014 - 2015, 2015 - 2016
Ölçme Tekniği, Associate Degree, 2015 - 2016
Bilgisayar Destekli Teknik Resim, Undergraduate, 2015 - 2016
Hidrolik ve Pnömatik, Associate Degree, 2010 - 2011, 2012 - 2013, 2013 - 2014, 2014 - 2015
Bilgisayarlı Çizim Teknikleri, Undergraduate, 2014 - 2015
Technical Drawing II, Associate Degree, 2011 - 2012, 2012 - 2013
Computer Aided Design, Undergraduate, 2012 - 2013
Bilgisayar Destekli Üretim I, Associate Degree, 2013 - 2014
CNC Milling Technology, Associate Degree, 2012 - 2013
CNC Turning Technology, Associate Degree, 2012 - 2013, 2013 - 2014
Manufacturing Methods and Machine Tools, Undergraduate, 2013 - 2014
Makine Meslek Resmi, Associate Degree, 2011 - 2012
Technical Drawing, Undergraduate, 2012 - 2013
Computer Aided Drawing II, Associate Degree, 2012 - 2013
Teknik Resim I, Associate Degree, 2012 - 2013
Computer Aided Drawing I, Associate Degree, 2012 - 2013
Materials Science, Associate Degree, 2011 - 2012
Ölçme ve Kontrol, Associate Degree, 2011 - 2012, 2012 - 2013

Computer Aided Design, Associate Degree, 2012 - 2013
Hidrolik ve Pnömatik Sistemler, Associate Degree, 2011 - 2012
Bilgisayar Destekli Üretim I, Associate Degree, 2012 - 2013
Computer Aided Drawing, Associate Degree, 2011 - 2012
Computer Aided Design, Associate Degree, 2010 - 2011
Bilgisayar Destekli Üretim, Associate Degree, 2010 - 2011

Advising Theses

Motorcu A. R. , Konut İnşaatı Üretim Sektöründe İş Güvenliği Maliyetleri, İşveren ve Çalışan Teknik Personelin İş Güvenliği Kültürünün Değerlendirilmesi, Postgraduate, S.Vural(Student), Continues
Motorcu A. R. , Aynı Tehlike ve Riskler İçin Farklı Risk Değerlendirme Yöntemlerinin Örneklerle Karşılaştırılması, Postgraduate, Ö.Kaçar(Student), 2021
Motorcu A. R. , Occupational Safety Risk In Automotive Authorized And Special Services And Work Safety Culture Of Technical Staff Working: Case Of Çanakkale, Postgraduate, S.Tayyar(Student), 2020
Motorcu A. R. , Safety Culture Of AFAD And Fire Teams, Occupational Safety Risk Factors And Measures To Be Exposed: Case Of Çanakkale Province, Postgraduate, K.Yılmaz(Student), 2020
Motorcu A. R. , Preparation Of Noise Maps For Closed Work Environments In Different Industrial Sectors, Their Analysis And Noise Control Proposals, Postgraduate, S.Gürsoy(Student), 2020

Jury Memberships

Post Graduate, Post Graduate, Bursa Uludağ Üniversitesi, May, 2022
Post Graduate, Post Graduate, Bursa Uludağ Üniversitesi, February, 2022
Doctoral Examination, Doctoral Examination, Karabük Üniversitesi, December, 2021
Doctoral Examination, Doctoral Examination, Karabük Üniversitesi, December, 2021
Post Graduate, Post Graduate, Bursa Uludağ Üniversitesi, October, 2021
Post Graduate, Post Graduate, Bursa Uludağ Üniversitesi, August, 2021
Post Graduate, Post Graduate, Çanakkale Onsekiz Mart Üniversitesi, August, 2021
Post Graduate, Post Graduate, Bursa Uludağ Üniversitesi, August, 2021
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Karabük Üniversitesi, June, 2021
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Bursa Uludağ Üniversitesi, February, 2021
Appointment Academic Staff, Appointment Academic Staff, Çanakkale Onsekiz Mart Üniversitesi, January, 2021
Doctoral Examination, Doctoral Examination, Bursa Uludağ Üniversitesi, January, 2021
Post Graduate, Post Graduate, Bursa Uludağ Üniversitesi, January, 2021
Appointment Academic Staff, Appointment Academic Staff, Çanakkale Onsekiz Mart Üniversitesi, December, 2020
Post Graduate, Post Graduate, Bursa Uludağ Üniversitesi, September, 2020
Post Graduate, Post Graduate, Çanakkale Onsekiz Mart Üniversitesi, August, 2020
Post Graduate, Post Graduate, Çanakkale Onsekiz Mart Üniversitesi, August, 2020
Post Graduate, Post Graduate, Çanakkale Onsekiz Mart Üniversitesi, August, 2020
Post Graduate, Post Graduate, Bursa Uludağ Üniversitesi, August, 2020
Doctorate, Doctorate, Bursa Uludağ Üniversitesi, July, 2020
Doctoral Examination, Doctoral Examination, Bursa Uludağ Üniversitesi, March, 2020
Doctoral Examination, Doctoral Examination, Bursa Uludağ Üniversitesi, March, 2020
Post Graduate, Post Graduate, Çanakkale Onsekiz Mart Üniversitesi, January, 2020
Post Graduate, Post Graduate, Bursa Uludağ Üniversitesi, August, 2019
Post Graduate, Post Graduate, Bursa Uludağ Üniversitesi, July, 2019

Post Graduate, Post Graduate, Bursa Uludağ Üniversitesi, June, 2019
Doctoral Examination, Doctoral Examination, Karabük Üniversitesi, June, 2019
Doctoral Examination, Doctoral Examination, Bursa Uludağ Üniversitesi, April, 2019
Post Graduate, Post Graduate, Karabük Üniversitesi, January, 2019
Post Graduate, Post Graduate, Bursa Uludağ Üniversitesi, June, 2018
Post Graduate, Post Graduate, Bursa Uludağ Üniversitesi, January, 2018
Post Graduate, Post Graduate, Bursa Uludağ Üniversitesi, December, 2017

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Study on delamination factor and surface roughness in abrasive water jet drilling of carbon fiber-reinforced polymer composites with different fiber orientation angles**
Altın Karataş M., Motorcu A. R. , Gökkaya H.
Journal of the Brazilian Society of Mechanical Sciences and Engineering, vol.43, no.1, 2021 (Journal Indexed in SCI Expanded)
- II. **Optimization of machining parameters for kerf angle and roundness error in abrasive water jet drilling of CFRP composites with different fiber orientation angles**
Karataş M. A. , Motorcu A. R. , Gökkaya H.
JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING, vol.42, 2020 (Journal Indexed in SCI)
- III. **EFFECTS OF CONTROL FACTORS ON OPERATING TEMPERATURES OF A MECHANICAL HEAT PUMP IN WASTE HEAT RECOVERY: Evaluation Using the Taguchi Method**
MOTORCU A. R. , COŞKUN S., KARABULUT Ş.
THERMAL SCIENCE, vol.22, no.1, pp.205-222, 2018 (Journal Indexed in SCI)
- IV. **Estimation of the optimum cutting parameters for surface roughness in wire electrical discharge machining of nickel based waspaloy using Taguchi method**
Kuş A., Motorcu A. R.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.32, pp.195-204, 2017 (Journal Indexed in SCI)
- V. **An investigation of the effects of cutting parameters and graphite reinforcement on quality characteristics during the drilling of Al/10B(4)C composites**
EKİCİ E., MOTORCU A. R. , Uzun G.
MEASUREMENT, vol.95, pp.395-404, 2017 (Journal Indexed in SCI)
- VI. **Evaluation of surface roughness and material removal rate in the wire electrical discharge machining of Al/B4C composites via the Taguchi method**
Ekici E., Motorcu A. R. , Kuş A.
JOURNAL OF COMPOSITE MATERIALS, vol.50, pp.2575-2586, 2016 (Journal Indexed in SCI)
- VII. **Investigation of the WEDM of Al/B4C/Gr reinforced hybrid composites using the Taguchi method and response surface methodology**
Motorcu A. R. , Ekici E., Kuş A.
SCIENCE AND ENGINEERING OF COMPOSITE MATERIALS, vol.23, pp.435-445, 2016 (Journal Indexed in SCI)
- VIII. **ANALYSIS OF THE CUTTING TEMPERATURE AND SURFACE ROUGHNESS DURING THE ORTHOGONAL MACHINING OF AISI 4140 ALLOY STEEL VIA THE TAGUCHI METHOD**
Motorcu A. R. , Işık Y., Kuş A., Çakır M. C.
MATERIALI IN TEHNOLOGIJE, vol.50, pp.343-351, 2016 (Journal Indexed in SCI)
- IX. **The effects of process parameters on acceleration amplitude in the drilling of cold work tool steels**
Kaplan Y., Motorcu A. R. , Nalbant M., Okay Ş.
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.80, pp.1387-1401, 2015 (Journal Indexed in SCI)
- X. **The evaluation of the effects of control factors on surface roughness in the drilling of Waspaloy**

superalloy

Motorcu A. R. , Kuş A., Durgun I.

MEASUREMENT, vol.58, pp.394-408, 2014 (Journal Indexed in SCI)

- XI. **Evaluation of drilling Al/SiC composites with cryogenically treated HSS drills**
Ekici E., Motorcu A. R.
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.74, pp.1495-1505, 2014 (Journal Indexed in SCI)
- XII. **Investigation of the effects of machining parameters on the thrust force and cutting torque in the drilling of AISI D2 and AISI D3 cold work tool steels**
KAPLAN Y., OKAY Ş., MOTORCU A. R. , NALBANT M.
INDIAN JOURNAL OF ENGINEERING AND MATERIALS SCIENCES, vol.21, no.2, pp.128-138, 2014 (Journal Indexed in SCI)
- XIII. **MODELING OF THE EFFECTS OF PARAMETERS ON DIMENSIONAL ACCURACY IN LASER CUTTING OF AISI 304 STEEL WITH DIFFERENT GEOMETRIES**
Durukan Z., Motorcu A. R. , Güllü A.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.29, pp.505-515, 2014 (Journal Indexed in SCI)
- XIV. **EVALUATION OF TOOL LIFE - TOOL WEAR IN MILLING OF INCONEL 718 SUPERALLOY AND THE INVESTIGATION OF EFFECTS OF CUTTING PARAMETERS ON SURFACE ROUGHNESS WITH TAGUCHI METHOD**
Motorcu A. R. , Kuş A., Arslan R., Tekin Y., Ezentaş R.
TEHNICKI VJESNIK-TECHNICAL GAZETTE, vol.20, pp.765-774, 2013 (Journal Indexed in SCI)
- XV. **Evaluation of control parameters' effects on system performance with Taguchi method in waste heat recovery application using mechanical heat pump**
Coşkun S., Motorcu A. R. , Yamankaradeniz N., Pulat E.
INTERNATIONAL JOURNAL OF REFRIGERATION-REVUE INTERNATIONALE DU FROID, vol.35, pp.795-809, 2012 (Journal Indexed in SCI)
- XVI. **Tool life performances, wear mechanisms and surface roughness characteristics when turning austenised and quenched AISI 52100 bearing steel with ceramics and CBN/TiC cutting tools**
Motorcu A. R.
INDIAN JOURNAL OF ENGINEERING AND MATERIALS SCIENCES, vol.18, pp.137-146, 2011 (Journal Indexed in SCI)
- XVII. **The Optimization of Machining Parameters Using the Taguchi Method for Surface Roughness of AISI 8660 Hardened Alloy Steel**
Motorcu A. R.
STROJNISKI VESTNIK-JOURNAL OF MECHANICAL ENGINEERING, vol.56, no.6, pp.391-401, 2010 (Journal Indexed in SCI)
- XVIII. **THE INVESTIGATION OF TOOL LIFE AND WEAR IN THE MACHINING OF NON-HEAT TREATED AND SPHEROIDIZED AISI52100 BEARING STEEL WITH DIFFERENT CUTTING TOOLS**
Motorcu A. R.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.25, no.1, pp.65-75, 2010 (Journal Indexed in SCI)
- XIX. **DETERMINATION OF THE PARAMETERS PROVIDING OPTIMUM TOOL LIFE BY TAGUCHI TECHNIQUE AND OBSERVATION OF TOOL WEAR IN THE MACHINING OF AISI1050 AND AISI4140 STEELS WITH THE CERAMIC CUTTING TOOLS**
MOTORCU A. R.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.24, no.4, pp.699-708, 2009 (Journal Indexed in SCI)
- XX. **Surface roughness model in machining hardened steel with cubic boron nitride cutting tool**
Sahin Y., Motorcu A. R.
INTERNATIONAL JOURNAL OF REFRACTORY METALS & HARD MATERIALS, vol.26, no.2, pp.84-90, 2008 (Journal

Indexed in SCI)

- XXI. **Statistical process control in machining, a case study for machine tool capability and process capability**
Motorcu A. R. , Güllü A.
MATERIALS & DESIGN, vol.27, no.5, pp.364-372, 2006 (Journal Indexed in SCI)
- XXII. **Surface roughness model for machining mild steel with coated. carbide tool**
Şahin Y., Motorcu A. R.
MATERIALS & DESIGN, vol.26, pp.321-326, 2005 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **An Experimental Study on Hole Quality and Different Delamination Approaches in the Drilling of CARALL, a New FML Composite**
Ekici E., Motorcu A. R. , Yıldırım E.
FME Transactions, vol.49, no.4, pp.950-961, 2021 (Refereed Journals of Other Institutions)
- II. **Multi-Objective Optimization of Process Parameters for Drilling Fiber-Metal Laminate Using a Hybrid GRA-PCA Approach**
EKİCİ E., MOTORCU A. R. , UZUN G.
FME Transactions, vol.49, no.2, pp.356-366, 2021 (Refereed Journals of Other Institutions)
- III. **Laminat Kompozitin Cep Frezelenmesinde Yüzey Pürüzlülüğü Ve Boyutsal Tamlığın Değerlendirilmesi**
MOTORCU A. R. , BİLGE T.
DÜZCE ÜNİVERSİTESİ BİLİM VE TEKNOLOJİ DERGİSİ, vol.6, no.1, pp.79-100, 2018 (National Refreed University Journal)
- IV. **Laminant Kompozitin Cep Frezelenmesinde Yüzey Pürüzlülüğü Ve Boyutsal Tamlığın Değerlendirilmesi**
MOTORCU A. R. , BİLGE T.
Düzce Üniversitesi Bilim Ve Teknoloji Dergisi, vol.6, no.1, pp.79-100, 2018 (Other Refreed National Journals)
- V. **Kompakt Laminat Kompozitlerin Parmak Freze İle Delinmesinde Takım Aşınmasının Yüzey Pürüzlülüğü Ve Boyutsal Tamlık Üzerine Etkileri**
Bilge T., Motorcu A. R.
Düzce Üniversitesi İleri Teknoloji Bilimleri Dergisi, vol.6, no.3, pp.180-192, 2017 (National Refreed University Journal)
- VI. **Kompakt Laminat Panellerin Delinmesinde Delik Girişi Ve Çıkışı Delaminasyon Faktörü İçin Delme Parametrelerinin Optimizasyonu**
Motorcu A. R. , Bilge T.
Düzce Üniversitesi İleri Teknoloji Bilimleri Dergisi, vol.6, no.3, pp.167-179, 2017 (National Refreed University Journal)
- VII. **Kompakt Laminat Kompozit Malzemenin Tungsten Karbür Takımlarla Delinmesinde Delaminasyon Faktörünün Değerlendirilmesi**
Bilge T., Motorcu A. R. , Ivanov A.
PAMUKKALE ÜNİVERSİTESİ MÜHENDİSLİK BİLİMLERİ DERGİSİ, vol.23, no.4, pp.427-436, 2017 (Journal Indexed in ESCI)
- VIII. **Kompakt Laminatın Delinmesinde Boyutsal Tamlık İçin Delme Parametrelerinin Gri İlişkisel Analiz İle Optimizasyonu**
Bilge T., Motorcu A. R. , Ivanov A.
Süleyman Demirel Üniversitesi Uluslararası Teknolojik Bilimler Dergisi, vol.9, no.2, pp.1-22, 2017 (National Refreed University Journal)
- IX. **Evaluation of the delamination factor for drilling of compact laminate composite material with tungsten carbide tools**

BİLGE T., MOTORCU A. R. , Ivanov A.

PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.23, no.4, pp.427-436, 2017 (Journal Indexed in ESCI)

- X. **Wire Electrical Discharge Machining of a Hybrid Composite Evaluation of Kerf Width and Surface Roughness**
Kuş A., Motorcu A. R. , Ekici E.
Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, vol.21, no.1, pp.245-260, 2016 (International Refereed University Journal)
- XI. **Evaluation of drilling Al/B4C composites with carbide drills**
Motorcu A. R. , Ekici E.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.22, pp.259-266, 2016 (Journal Indexed in ESCI)
- XII. **Nikel Esaslı Süperalâşımın ve Titanyum Alaşımının İşlenebilirliği II Bölüm Seramik Kesici Takımların Performanslarının Değerlendirilmesi**
Motorcu A. R.
Electronic Journal of Machine Technologies, vol.7, no.2, pp.1-17, 2010 (Other Refereed National Journals)
- XIII. **Nikel Esaslı Süperalâşımın ve Titanyum Alaşımının İşlenebilirliği III Bölüm Kübik Bor Nitrür CBN Kesici Takımların Performanslarının Değerlendirilmesi**
Motorcu A. R.
Electronic Journal of Machine Technologies, vol.7, no.3, pp.1-21, 2010 (Other Refereed National Journals)
- XIV. **Surface Roughness Evaluation When Machining Carbon Steel With Ceramic Cutting Tools**
Motorcu A. R.
Uludağ University Journal of The Faculty of Engineering and Architecture, vol.14, no.1, pp.139-145, 2009 (Other Refereed National Journals)
- XV. **Nikel Esaslı Süperalâşımın Ve Titanyum Alaşımının İşlenebilirliği 1 Bölüm Sinterlenmiş Karbür Takımların Performanslarının Değerlendirilmesi**
Motorcu A. R.
Erciyes Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.25, no.1, pp.302-330, 2009 (National Refreed University Journal)
- XVI. **THE DEVELOPMENT OF SURFACE ROUGHNESS MODEL WHEN TURNING HARDENED STEEL WITH CERAMIC CUTTING TOOL USING RESPONSE METHODOLOGY**
Şahin Y., Motorcu A. R.
MULTIDISCIPLINE MODELING IN MATERIALS AND STRUCTURES, vol.4, pp.291-304, 2008 (Journal Indexed in ESCI)
- XVII. **Isıl İşleme Sertliği 53 HRC ye Çıkarılmış AISI 1050 Çeliğinin Kaplamalı Karbür Takımla İşlenmesinde Takım Aşınmasının Değerlendirilmesi**
Motorcu A. R.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.12, no.3, pp.379-388, 2006 (Other Refereed National Journals)
- XVIII. **Surface Roughness Prediction Model in Machining of Carbon Steel by PVD Coated Cutting Tools**
Şahin Y., Motorcu A. R.
American Journal of Applied Sciences, vol.1, no.1, pp.12-17, 2004 (Refereed Journals of Other Institutions)
- XIX. **Elimination of the Quality Problems Encountered in Mass Production by Using Statistical Quality Control**
Güllü A., Motorcu A. R.
Turkish Journal of Engineering and Environmental Sciences, vol.27, no.1, pp.83-93, 2003 (Refereed Journals of Other Institutions)
- XX. **Farklı Cep İşleme Çevrimlerinin İşleme Süresi ve Yüzey Pürüzlülük Kriterine Göre İncelenmesi**
Güllü A., Pinar A. M. , Motorcu A. R.
Makine Tasarım ve İmalat Dergisi, vol.4, no.3, pp.134-139, 2002 (Other Refereed National Journals)
- XXI. **CNC Freze Tezgahlarında Optimum Kesme Süresi ve Üretim Maliyetlerine Göre Kesme**

Parametrelerinin Optimizasyonu

Motorcu A. R. , Güllü A.

GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.15, no.3, pp.737-746, 2002 (Other Refereed National Journals)

Books & Book Chapters

- I. **İş Kazası Etmeni Olarak Kayma, Tökezleme ve Düşme (KTD): Türkiye İncelemesi**
Motorcu A. R. , Murat B.
in: Mühendislik ve Multidisipliner Yaklaşımlar, Prof. Dr. Abdulkadir Güllü, Dr. Öğr. Üyesi Senai Yalçınkaya, Editor, Güven Plus Grup A.Ş. Yayınları, İstanbul, pp.572-592, 2021
- II. **Yeni İş Yeri Riskleri Ve Yapay Zekânın İş Sağlığı Ve Güvenliğinde Kullanımı**
Motorcu A. R. , Murat B.
in: Mühendislik ve Multidisipliner Yaklaşımlar, Prof. Dr. Abdulkadir Güllü, Dr. Öğr. Üyesi Senai Yalçınkaya, Editor, Güven Plus Grup A.Ş. Yayınları, İstanbul, pp.369-402, 2021

Refereed Congress / Symposium Publications in Proceedings

- I. **Nikel-Titanyum Şekil Hafızalı Alaşımların Elektro Erozyon İle İşlenebilirliği: İşleme Parametrelerinin Yüzey Yapısı Ve Mekanik Özellikler Üzerine Etkilerinin Araştırılması Üzerine Bir Derleme Çalışması**
Yılmaz M., Güven S., Motorcu A. R. , Gökkaya H.
8th International Congress On Engineering, Architecture and Design, İstanbul, Turkey, 6 - 07 December 2021, vol.1, pp.707-714
- II. **CFRP/Ti6Al4V Yığının Farklı Geometrilik Takımlarla Delinmesinde Minimum Delaminasyon Oluşumu İçin Proses Parametrelerinin Çok Amaçlı Optimizasyonu**
Motorcu A. R. , Ekici E.
5.Uluslararası Mühendislik ve Teknoloji Yönetimi Kongresi, İstanbul, Turkey, 24 April 2021, vol.1, pp.219-231
- III. **Aynı Tehlike ve Riskler İçin Farklı Risk Değerlendirme Yöntemlerinin Karşılaştırılması: Otomotiv Bakım Onarım Servisi İçin Örnek Bir Çalışma**
Kaçar Ö., Motorcu A. R.
5.Uluslararası Mühendislik ve Teknoloji Yönetimi Kongresi, İstanbul, Turkey, 24 April 2021, vol.1, pp.249-259
- IV. **CARALL Kompozitlerin Delinmesinde Elyaf Yönelimi Ve Delme Parametrelerinin Delaminasyona Etkisinin Değerlendirilmesi**
Ekici E., Motorcu A. R.
5.Uluslararası Mühendislik ve Teknoloji Yönetimi Kongresi, İstanbul, Turkey, 24 April 2021, vol.1, pp.232-239
- V. **İş Sağlığı ve Güvenliği Faaliyetlerinde Yapay Zekâ ve Uzman Sistem Uygulamalarının Değerlendirilmesi**
Murat B., Motorcu A. R. , Kayır Y.
5.Uluslararası Mühendislik ve Teknoloji Yönetimi Kongresi, İstanbul, Turkey, 24 April 2021, vol.1, pp.240-248
- VI. **Occupational Safety Culture of AFAD and Fire Fighting Teams: An Evaluation in Terms of Management Commitment, Occupational Safety Training and Reporting Culture**
Yılmaz K., Motorcu A. R.
International Symposium of Scientific Research and Innovative Studies, Balıkesir, Turkey, 22 - 25 February 2021, vol.1, no.1, pp.404-415
- VII. **CFRP/Al2O3 Metalik Yığınların Farklı Geometrilik Matkaplarla Delinmesinde Delaminasyon Faktörünün Optimizasyonu**
Ekici E., Motorcu A. R.
Uluslararası Malzeme ve Mühendislik Teknolojileri Konferansı, Gaziantep, Turkey, 5 - 07 November 2020, pp.45-53
- VIII. **Cam Laminat Alüminyum Takviyeli Epoksinin (GLARE) Özel Geometrilik Matkaplarla Delinmesi: Delaminasyon Faktörü Üzerine Bir Çalışma**

Motorcu A. R. , Ekici E., Yıldırım E.

Uluslararası Malzeme ve Mühendislik Teknolojileri Konferansı, Gaziantep, Turkey, 5 - 07 November 2020, pp.32-44

- IX. **Optimization of Control Factors for Minimum Delamination Factor in CFRP in Drilling of CFRP/Ti6Al4V Stacks with Step Drill**
Motorcu A. R. , Ekici E.
5. International Conference on Material Science and Technology (IMSTEC 2020), Nevşehir, Turkey, 16 - 18 October 2020, pp.133-139
- X. **Evaluation of The Effect of Tool Geometry and Drilling Parameters on Thrust Force in Carbon Fiber Reinforced Aluminum Laminates (CARALL)**
Ekici E., Uzun G., Motorcu A. R.
5. International Conference on Material Science and Technology (IMSTEC 2020), Nevşehir, Turkey, 16 - 18 October 2020, pp.128-132
- XI. **Bir mobilya üretim atelyesinin gürültü ve kişisel maruziyet seviyelerinin değerlendirilmesi için gürültü haritalarının hazırlanması**
Gürsoy S., Motorcu A. R.
International Marmara Sciences Congress, Kocaeli, Turkey, 19 - 20 June 2020, vol.1, pp.655-664
- XII. **Evaluation of Occupational Safety Cultures in Terms of Occupational Safety Priority and Fatalism of AFAD and Firefighting Teams of Emergency and Disaster Employees: The Case of Çanakkale Province**
Motorcu A. R. , Yılmaz K.
International Marmara Sciences Congress, Kocaeli, Turkey, 19 - 20 June 2020, vol.1, pp.481-488
- XIII. **Evaluation of Occupational Safety Cultures in Terms of Management Commitment, Occupational Safety Priority, Employee Participation of Technical Personnel Working in Automotive Authorized and Special Services**
Motorcu A. R. , Tayyar S.
International Marmara Sciences Congress, Kocaeli, Turkey, 19 - 20 June 2020, vol.1, pp.630-637
- XIV. **Industrial Noise Maps for Assessment of Noise Level and Personal Exposure Levels: An Application for Machine Manufacturing Workshop**
Motorcu A. R. , Gürsoy S.
International Marmara Sciences Congress, Kocaeli, Turkey, 19 - 20 June 2020, vol.1, pp.646-654
- XV. **Assessment of Risk Factors, Hazards and Occupational Accidents Exposed by Personnel Working in Authorized and Special Services: A Case Study for Çanakkale Province**
Tayyar S., Motorcu A. R.
International Marmara Sciences Congress, Kocaeli, Turkey, 19 - 20 June 2020, vol.1, pp.499-508
- XVI. **Investigation of The Effects of Occupational Safety Supervisions on Firefighting and AFAD Teams' Occupational Safety Cultures**
Motorcu A. R. , Yılmaz K.
International Marmara Sciences Congress, Kocaeli, Turkey, 19 - 20 June 2020, vol.1, pp.638-645
- XVII. **Investigation of The Effects of Occupational Safety Inspections on Work Safety Cultures of Working Technical Staff: A Research on Auto Services**
Motorcu A. R. , Tayyar S.
Selçuk Zirvesi 2. Uluslararası Uygulamalı Bilimler Kongresi, Konya, Turkey, 07 June 2020, vol.1, pp.172-182
- XVIII. **Evaluation of Occupational Safety Cultures in Terms of Occupational Safety Awareness and Competence, Fatalism, Occupational Safety Training of Technical Personnel Working in Automotive Authorized and Special Services**
Motorcu A. R. , Tayyar S.
Selçuk Zirvesi 2. Uluslararası Uygulamalı Bilimler Kongresi, Kocaeli, Turkey, 07 June 2020, vol.1, pp.153-171
- XIX. **Occupational Safety Culture of Firefighters and AFAD Employees: Assessment of Employee Safety Awareness and Competencies and Their Participation in Occupational Safety Activities According to Their Demographic Factors**
Yılmaz K., Motorcu A. R.
Selçuk Zirvesi 2. Uluslararası Uygulamalı Bilimler Kongresi, Konya, Turkey, 07 June 1900 - 07 June 2020, vol.1,

pp.129-143

- XX. **Preparation and Evaluation of Noise Map for A Textile Weaving Factory Workshop**
Gürsoy S., Motorcu A. R.
Uluslararası 29 Ekim Bilimsel Araştırmalar Sempozyumu, İzmir, Turkey, 26 - 29 October 2019, vol.1, pp.307-320
- XXI. **Creating Industrial Noise Maps for Machine-Metal Sector Closed Area Production Environments: A Case Study for A Press Workshop**
Motorcu A. R. , Gürsoy S.
Uluslararası 29 Ekim Bilimsel Araştırmalar Sempozyumu, İzmir, Turkey, 26 - 29 October 2019, vol.1, pp.321-336
- XXII. **B4C Parçaçık Takviye Oranı ve Delme Parametrelerinin MMC Kompozitlerin Delme Karakteristiklerine Etkileri**
MOTORCU A. R. , EKİCİ E.
II. International Conference on Advanced Engineering Technologies, (ICADET 2017), Bayburt, Turkey, 21 - 23 September 2017, vol.1, no.1, pp.207-218
- XXIII. **Drillability of Al/15B4C Composites with Cryogenically Treated Tools: Evaluation of Tool Life, Tool Wear and Surface Roughness**
Motorcu A. R. , Ekici E.
1st International Conference of Advanced Materials and Manufacturing Technologies, Karabük, Turkey, 25 - 27 October 2017, vol.1, no.1, pp.35-41
- XXIV. **Kompakt Laminat Kompozitlerin Parmak Freze İle Delinmesinde Takım Aşınmasının Yüzey Pürüzlülüğü Ve Boyutsal Tamlık Üzerine Etkileri**
BİLGE T., MOTORCU A. R.
4. International Furniture and Decoration Congress (UMDK 2017), Düzce, Turkey, 19 - 21 October 2017, vol.1, no.1, pp.227-239
- XXV. **Kompakt Laminat Panellerin Delinmesinde Delik Girişi Ve Çıkışı Delaminasyon Faktörü İçin Delme Parametrelerinin Optimizasyonu**
MOTORCU A. R. , BİLGE T.
4. International Furniture and Decoration Congress (UMDK 2017), Düzce, Turkey, 19 - 21 October 2017, vol.1, no.1, pp.213-226
- XXVI. **Multi-Objective Optimization of Drilling Parameters in Drilling of Al/10B4C/5Gr Hybrid Composites using Taguchi Based Gray Relational Analysis**
Motorcu A. R. , Ekici E.
1st International Conference of Advanced Materials and Manufacturing Technologies, Karabük, Turkey, 25 - 27 October 2017, vol.1, no.1, pp.27-34
- XXVII. **Optimization of Machining Parameters in the Drilling of Al/B4C/Gr Composites via Taguchi based Gray Relational Analysis and TOPSIS Method**
Ekici E., Motorcu A. R.
II. International Conference on Advanced Engineering Technologies (ICADET 2017), Bayburt, Turkey, 21 - 23 September 2017, vol.1, no.1, pp.197-206
- XXVIII. **Optimization of Surface Roughness, Delamination and Uncut Fiber Factor in the Drilling of CFRP Composites**
Ekici E., Motorcu A. R.
1st International Conference of Advanced Materials and Manufacturing Technologies, Karabük, Turkey, 25 - 27 October 2017, vol.1, no.1, pp.21-26
- XXIX. **The Optimization of Drilling Parameters for Hole Diameter Dimensional Accuracy and Minimum Roundness Error in the Drilling of Al/10B4C/3Gr Hybrid Composites with the Cryogenically Treated HSS Drills**
MOTORCU A. R. , EKİCİ E.
8. International Advanced Technologies Symposium (IATS 2017), Elazığ, Turkey, 19 - 22 October 2017, vol.1, no.1, pp.624-631
- XXX. **The Effect of Cryogenic Treatment on Surface Roughness and Delamination Factor in the Drilling of CFRP Composites**

EKİCİ E., MOTORCU A. R.

8. International Advanced Technologies Symposium (IATS 2017), Elazığ, Turkey, 19 - 22 October 2017, vol.1, no.1, pp.615-623

- XXXI. **Evaluation Of The Effects Of Cryogenic Treatment Applied To The Tool In The Drilling Of Mixed Composites On Surface Roughness**
Ekici E., Motorcu A. R.
UMTIK-2016, 17th International Conference on Machine Design and Production, Bursa, Turkey, 12 - 15 July 2016, vol.1, pp.1-12
- XXXII. **Evaluation Of Surface Roughness In The Drilling Of Compact Laminate Composite**
Bilge T., Motorcu A. R. , Ivanov A.
UMTIK-2016, 17th International Conference on Machine Design and Production, Bursa, Turkey, 12 - 15 July 2016, vol.1, pp.1-17
- XXXIII. **The Determination of Occupational Health and Safety Awareness of Vocational School Students**
Okay Ş., Motorcu A. R.
UMYOS 2016 V. Uluslararası Meslek Yüksekokulları Sempozyumu, Prizren, Kosovo, 18 - 20 May 2016, vol.2, pp.277-286
- XXXIV. **The Impact of Entrepreneurial Personality Traits Entrepreneurial Trends: Automotive Technology Program Example**
Okay Ş., Motorcu A. R.
UMYOS 2016. V. Uluslararası Meslek Yüksekokulları Sempozyumu, Prizren, Kosovo, 18 - 20 May 2016, vol.2, pp.1-10
- XXXV. **An Investigation to Determine the Entrepreneurship Tendency and Personality Skills of (Focus of Control, Tolerance of Ambiguity) Students of Technical Departments in The Vocational Schools**
Okay Ş., Motorcu A. R.
II. ULUSLARARASI GİRİŞİMCİLİK VE KARİYER SEMPOZYUMU, Muğla, Turkey, 9 - 11 October 2015, no.1, pp.444-451
- XXXVI. **Teknik Programlarda Öğrenim Gören Meslek Yüksekokulu Öğrencilerinin Girişimcilik Kişilik Özelliklerinin Risk Alma Yenilikçilik Ve Başarma İhtiyacı Duygusu Belirlenmesine Yönelik Bir Araştırma**
Okay Ş., Motorcu A. R.
UMYOS 2015- 4th International Vocational Schools Symposium, Yalova, Turkey, 21 - 23 May 2015, pp.794-803
- XXXVII. **Effects Of Different Parameters On Hole Surface Roughness In Drilling**
Kaplan Y., Okay Ş., Nalbant M., Motorcu A. R.
UMYOS-4th International Vocational Schools Symposium, Yalova, Turkey, 21 - 23 May 2015, pp.745-753
- XXXVIII. **Al/B4C Takviyeli Kompozitlerin Tel Erozyonda Kesilmesinde Yüzey Pürüzlülüğü ve Kesim Genişliğinin Taguchi Metoduyla İncelenmesi**
Motorcu A. R. , Ekici E., Gülesin M.
7th INTERNATIONAL POWDER METALLURGY CONFERENCE, Ankara, Turkey, 24 - 28 June 2014, pp.12-13
- XXXIX. **Evaluation of Cutting Tool Wear Characteristics and Removed Chip Volumes in Drilling of AISI D2 and AISI D3 Cold Work Tool Steels**
Okay Ş., Kaplan Y., Motorcu A. R. , Nalbant M.
IATS 2013 7th International Advanced Technologies Symposium, İstanbul, Turkey, 30 November - 01 December 2013, pp.304-312
- XL. **Statistical Evaluation of Effects of Manufacturing Parameters on Cutting Tool Wear in Drilling of AISI D2 and AISI D3 Cold Work Tool Steels**
Kaplan Y., Okay Ş., Nalbant M., Motorcu A. R.
IATS 2013 7th International Advanced Technologies Symposium, İstanbul, Turkey, 30 November - 01 December 2013, pp.423-430
- XLI. **Predictive Modeling Of Surface Roughness In Turning Of Spheroidized AISI 52100 Steel With Different Cutting Tools**
Motorcu A. R.
UTİS 2013 4. Ulusal Talahlı İmalat Sempozyumu, Aydın, Turkey, 7 - 09 November 2013, pp.1-16

- XLII. **AISI 52100 Çeliğinin Farklı Kesici Takımlarla Tornalanmasında Yüzey Pürüzlülüğünün Tahminsel Modellenmesi**
Motorcu A. R.
GİS 2013- Genç İstatistikçiler Sempozyumu, Ankara, Turkey, 10 - 11 September 2013, pp.1-8
- XLIII. **Çok Katmanlı TiC SiC ve Paslanmaz Bir Çelik Kirişte Eğilme Gerilmesinin Analitik ve Sonlu Elemanlar Yöntemiyle Analizi ve Belirlenmesi**
Motorcu A. R. , Evran S.
6. Mühendislik ve Teknoloji Sempozyumu, Ankara, Turkey, 25 - 26 April 2013, pp.133-137
- XLIV. **The Tool Life Models of Cutting Tools Using the Taguchi Method when Turning Hardened Steel**
Şahin Y., Motorcu A. R.
13th International Conference on Machine Design and Production, İstanbul, Turkey, 3 - 05 September 2008, pp.1-8
- XLV. **The Influence of Martensite Morphology on Surface Roughness of AISI 4140 Steel with Dual Phase Steel Structure**
Kılıçlı V., Motorcu A. R. , Erdoğan M., Şahin Y.
13th International Metallurgy Materials Congress, İstanbul, Turkey, 9 - 11 November 2006, pp.412-418
- XLVI. **AISI 4140 Çeliğinin İşlenmesinde Küreselleştirme Sıcaklık ve Süresinin Yüzey Pürüzlülüğü Üzerine Etkisinin Araştırılması**
Kılıçlı V., Motorcu A. R. , Erdoğan M., Şahin Y.
IATS 2005, 4th International Advanced Technologies Symposium, Konya, Turkey, 28 - 30 September 2005, pp.645-650
- XLVII. **Sertleştirilmiş AISI 1040 Çeliğinin Kaplamasız ve Kaplamalı Seramik Kesicilerle Tornalanmasında Yüzey Pürüzlülüğünün Modellenmesi**
Motorcu A. R. , Şahin Y.
IATS 2005, 4th International Advanced Technologies Symposium, Konya, Turkey, 28 - 30 September 2005, pp.853-859
- XLVIII. **Sertleştirilmiş Düşük Karbonlu AISI 1040 Çeliğinin Farklı Geometrilik Kaplamalı Karbür Kesicilerle İşlenmesinde Yüzey Pürüzlülüğünün Modellenmesi**
Motorcu A. R. , Şahin Y.
IATS 2005, 4th International Advanced Technologies Symposium, Konya, Turkey, 28 - 30 September 2005, pp.860-865
- XLIX. **Soğuk Haddelenmiş St 44 Çeliğinin Frezelenmesinde Haddelme Yön ve Miktarının Yüzey Pürüzlülüğü Üzerine Etkisinin Araştırılması**
Yeşil H., Erdoğan M., Kılıçlı V., Motorcu A. R.
IATS 2005, 4th International Advanced Technologies Symposium, Konya, Turkey, 28 - 30 September 2005, pp.597-603
- L. **The Surface Finish in Turning of AISI 1050 Steel by Different Cutting Tools**
Motorcu A. R. , Şahin Y.
International Scientific and Technical Conference, Modern Problems of Mechanical Engineering and Instrument Making, Baku, Baku, Azerbaijan, 26 - 28 September 2005, pp.296-302
- LI. **The Machining Performance of Cutting Tools in Terms of Surface Roughness**
Motorcu A. R. , Şahin Y.
International Scientific and Technical Conference, Modern Problems of Mechanical Engineering and Instrument Making, Baku, Baku, Azerbaijan, 26 - 28 September 2005, pp.268-274
- LII. **Modeling the Surface Roughness in Machining of AISI 4140 Steel**
Motorcu A. R. , Şahin Y., Kılıçlı V., Erdoğan M.
International Scientific and Technical Conference, Modern Problems of Mechanical Engineering and Instrument Making, Baku, Baku, Azerbaijan, 26 - 28 September 2005, pp.238-244
- LIII. **AISI 4140 Çeliğinin Farklı Kaplamalı Karbür ve Sermet Kesici Takımlarla İşlenebilirliği**
Motorcu A. R. , Şahin Y.
UMTİK 2004, International Conference on Machine Design and Production, Antalya, Turkey, 13 - 15 October 2004, pp.1-10

- LIV. **A model For Surface Roughness in Turning of AISI 4140 Steel Using Coated Carbide Cutting Tool**
Şahin Y., Motorcu A. R.
UMTİK 2004, International Conference on Machine Design and Production, Antalya, Turkey, 13 - 15 October 2004, pp.1-10
- LV. **An Experimental Investigation of Surface Roughness and Chip Disposability of AISI 4140 Steel Having Various Microstructures**
Kılıçlı V., Motorcu A. R. , Erdoğan M., Şahin Y.
UMTİK 2004, International Conference on Machine Design and Production, Antalya, Antalya, Turkey, 13 - 15 October 2004, pp.1-10
- LVI. **Sertleştirilmiş AISI 1040 Çeliğinin Seramik Kesici Takımla İşlenmesinde Yüzey Pürüzlülüğünün Taguchi Metodu İle Değerlendirilmesi**
Motorcu A. R. , Şahin Y.
UMTİK 2004, International Conference on Machine Design and Production, Antalya, Turkey, 13 - 15 October 2004, pp.1-10
- LVII. **Prediction of Surface Roughness in the Machining of Carbon Steels by Cutting Tools**
Şahin Y., Motorcu A. R.
NUMIFORM 2004, Proc. 8th International Conference on Numerical Methods in Industrial Forming Processes, Columbus, Ohio, AIP Conference Proceedings, Ohio, United States Of America, 13 - 17 June 2004, vol.712, pp.1414-1419
- LVIII. **Wear Property of Al₂O₃-Particle-Reinforced Aluminium Composite**
SAHİN Y., MOTORCU A. R.
ASIATRIB 2002-International Conference and Symposium, Jeju Island, South Korea, 21 - 24 October 2002, pp.201-202

Supported Projects

- Gökkaya H., Motorcu A. R. , Tunç M., Project Supported by Higher Education Institutions, Photochemical Machining Exposure Machine, 2020 - 2021
- MOTORCU A. R. , EKİCİ E., Project Supported by Higher Education Institutions, CFRPTi6Al4V Karma Metalik Yığınların İşlenebilirliğinin Takım Geometrisi Delme Stratejisi ve Kesme Parametrelerine Bağlı Olarak Çok Kriterli Optimizasyon Yöntemiyle Değerlendirilmesi, 2020 - 2020
- EKİCİ E., UZUN G., MOTORCU A. R. , Project Supported by Higher Education Institutions, Karbon Elyaf Takviyeli Alüminyum Tabakalı (CARALL) Kompozitlerin İşlenebilirliğinin Deneysel ve İstatistiksel Olarak Araştırılması, 2019 - 2020
- MOTORCU A. R. , EKİCİ E., Project Supported by Higher Education Institutions, Metal Matrisli Kompozitlerin Kriyojenik İşlem Uygulanmış Yüksek Hız Çeliği HSS Matkaplarla Delinmesinde Yüzey Pürüzlülüğü Takım Aşınması ve Ölçüsel Tamlığın Deneysel Olarak Araştırılması, 2015 - 2017
- EKİCİ E., MOTORCU A. R. , Project Supported by Higher Education Institutions, Metal Matrisli Kompozitlerin Karbür Matkaplarla Delinmesinde Delik Kalitesi, Yüzey Pürüzlülüğü, Takım Aşınması ve Çapak Oluşumunun İstatistiksel ve Deneysel Olarak Araştırılması, 2014 - 2015
- Yazıcı M., Motorcu A. R. , Project Supported by Higher Education Institutions, CNC Frezelerde Takım Tutucuların Tezgahın Statik ve Dinamik Karakteristiklerine ve İşleme Performansına Etkisi, 2009 - 2015
- Altın A., Ormancı H. B. , Ayyıldız H., Acarlı D., Öztekin A., Kale S., Daban İ. B. , Motorcu A. R. , TUBITAK Project, Denizin Gizemlerini Adada Keşfedelim, 2012 - 2012
- Ezentaş R., Motorcu A. R. , Kuş A., Tekin Y., Arslan R., Project Supported by Higher Education Institutions, CNC Freze Tezgahında INCOLOY 718 ve WASPALLOY Süperalaşımalarının İşlenebilirliklerinin Araştırılması Uludağ Üniversitesi Bilimsel Araştırma Projesi, 2008 - 2010
- Motorcu A. R. , EU Supported Other Project, İş'te Fırsat, 2008 - 2009
- MOTORCU A. R. , EU Supported Other Project, An Investigation of Approaches Object Oriented Programming at Vocational Education, Universitatea din Oradea, Romania, 2008 - 2009
- Şahin Y., Motorcu A. R. , Project Supported by Higher Education Institutions, Investigation Of Machinability Of Carbon,

Alloyed Bearing Steel's By Different Cutting Tools And Development Of Mathematical Model, 2003 - 2006

Patent

Bulat M., Motorcu A. R. , Tüp Sıkma Makinası, Utility patents, CHAPTER A Human Needs, The Invention Recourse Number: TR 1999 00151 U , Initial Registration, 1999

Activities in Scientific Journals

INTERNATIONAL REFEREED JOURNAL OF ENGINEERING AND SCIENCES, Scientific Committee Membership, 2021 - Continues

Scientific Refereeing

KARADENİZ FEN BİLİMLERİ DERGİSİ, National Scientific Refreed Journal, January 2022
International Journal of Machining and Machinability of Materials, Journal Indexed in ESCI, January 2022
Jurnal Tribologi, Journal Indexed in ESCI, January 2022
DİCLE ÜNİVERSİTESİ MÜHENDİSLİK FAKÜLTESİ, National Scientific Refreed Journal, January 2022
SURFACE REVIEW AND LETTERS, Journal Indexed in SCI-E, January 2022
MACHINING SCIENCE AND TECHNOLOGY, Journal Indexed in SCI-E, December 2021
Endüstri Mühendisliği, Other Indexed Journal, December 2021
Pamukkale Mühendislik Bilimleri Dergisi, Journal Indexed in ESCI, October 2021
Journal of Current Science and Technology, Other Indexed Journal, August 2021
POLYMER COMPOSITES, Journal Indexed in SCI-E, August 2021
Polymer Composites, Journal Indexed in SCI-E, August 2021
Pamukkale Mühendislik Bilimleri Dergisi, Journal Indexed in ESCI, August 2021
The 9th International Conference on Fracture Fatigue and Wear (FFW 2021), Conference Paper (Full Text), July 2021
POLİTEKNİK DERGİSİ, Journal Indexed in ESCI, June 2021
MEASUREMENT, Journal Indexed in SCI-E, June 2021
International Journal of Abrasive Technology, Journal Indexed in ESCI, June 2021
Pamukkale Mühendislik Bilimleri Dergisi, Journal Indexed in ESCI, June 2021
Measurement, Journal Indexed in SCI-E, May 2021
International Journal of Automotive Science And Technology, Other Indexed Journal, March 2021
Journal Of The Faculty Of Engineering And Architecture Of Gazi University, Journal Indexed in SCI-E, March 2021
Manufacturing Technologies and Applications, Other Journals, March 2021
Pamukkale Mühendislik Bilimleri Dergisi, Journal Indexed in ESCI, February 2021
Journal Of Composite Materials, Journal Indexed in SCI-E, January 2021
Avrupa Bilim ve Teknoloji Dergisi, National Scientific Refreed Journal, January 2021
Sigma Journal of Engineering and Natural Sciences, Journal Indexed in ESCI, January 2021
Project Supported by Higher Education Institutions, BAP Research Project, Yıldız Technical University, Turkey, November 2020
KOSGEB, İSKO P., Turkey, October 2020
Pamukkale University Journal of Engineering Sciences, Journal Indexed in ESCI, March 2020
American Journal of Science, Engineering and Technology, Other Indexed Journal, December 2019
Engineering and Applied Sciences, Other Indexed Journal, December 2019
Journal of the Faculty of Engineering and Architecture of Gazi University, SCI Journal, December 2019
Measurement, SCI Journal, November 2019
Journal of Engineering Manufacture, Other Indexed Journal, October 2019

Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, National Scientific Refreed Journal, October 2019
Gazi University Journal of Science, Other Indexed Journal, October 2019
Journal of the Faculty of Engineering and Architecture of Gazi University, SCI Journal, August 2019
International Journal of Abrasive Technology, SCI Journal, August 2019
Journal of the Faculty of Engineering and Architecture of Gazi University, SCI Journal, February 2019
Measurement, SCI Journal, February 2019
Measurement, SCI Journal, February 2019
Engineering Science and Technology, an International Journal, SCI Journal, January 2019
Engineering Science and Technology, an International Journal, SCI Journal, October 2018
Measurement, SCI Journal, October 2018
Journal of the Faculty of Engineering and Architecture of Gazi University, SCI Journal, September 2018
Journal Of The Faculty Of Engineering And Architecture Of Gazi University, SCI Journal, June 2018
Tribology in Industry, SCI Journal, June 2018
Measurement, SCI Journal, May 2018
Machining Science and Technology, Other Indexed Journal, May 2018
Measurement, SCI Journal, March 2018
Machining Science and Technology, Other Indexed Journal, March 2018
Measurement, SCI Journal, February 2018
Journal of Engineering Science & Technology-JESTEC, Other Indexed Journal, February 2018
Journal of the Faculty of Engineering and Architecture of Gazi University, SCI Journal, August 2017
Tribology Transactions, SCI Journal, March 2017
Erzincan University Journal of Science and Technology, National Scientific Refreed Journal, March 2017
International Journal of Precision Technology, Other Indexed Journal, March 2017
International Journal of Precision Technology, SCI Journal, March 2017
Pamukkale Üniversitesi Mühendislik Bilimleri Dergisi, National Scientific Refreed Journal, March 2017
Chinese Journal of Aeronautics, SCI Journal, March 2017
Makine İmalat Teknolojileri Dergisi, National Scientific Refreed Journal, May 2016
Selçuk Üniversitesi Mühendislik, Bilim ve Teknoloji Dergisi, National Scientific Refreed Journal, February 2016
Journal of the Faculty of Engineering and Architecture of Gazi University, SCI Journal, August 2015
Machining Science and Technology, SCI Journal, May 2015
International Journal of Vehicle Design (IJVD), SCI Journal, May 2015
Makine Teknolojileri Elektronik Dergisi, National Scientific Refreed Journal, January 2015
Pamukkale Üniversitesi Mühendislik Bilimleri Dergisi-PAJES, National Scientific Refreed Journal, December 2014
Indian Journal of Engineering & Materials Sciences, SCI Journal, December 2014
Politeknik Dergisi, National Scientific Refreed Journal, October 2014
Makine Teknolojileri Elektronik Dergisi, National Scientific Refreed Journal, May 2014
Dumlupınar Üniversitesi Fen Bilimleri Enstitüsü Dergisi , National Scientific Refreed Journal, December 2013
Strojnski Vestnik-Journal of Mechanical Engineering, SCI Journal, October 2013
Indian Journal of Engineering & Materials Sciences, SCI Journal, August 2013
Proceedings of the IMechE, Part E: Journal of Process Mechanical Engineering, SCI Journal, February 2013
NWSA - E-Journal of New World Sciences Academy, Other journals, February 2012
Advances in Engineering Software, SCI Journal, August 2011
Scientific Research and Essays, SCI Journal, May 2011
Strojniški vestnik - Journal of Mechanical Engineering, SCI Journal, October 2010
International Journal Of Engineering, Science and Technology (IJEST), Other Indexed Journal, June 2010
Journal of the Faculty of Engineering and Architecture of Gazi University, SCI Journal, May 2010
Makine Teknolojileri Elektronik Dergisi , National Scientific Refreed Journal, April 2010

Tasks In Event Organizations

Motorcu A. R. , 9th INTERNATIONAL CONGRESS ON ENGINEERING, ARCHITECTURE AND DESIGN, Scientific Congress, İstanbul, Turkey, Mayıs 2022
Motorcu A. R. , 8th INTERNATIONAL CONGRESS ON ENGINEERING, ARCHITECTURE AND DESIGN, Scientific Congress, İstanbul, Turkey, Aralık 2021
Motorcu A. R. , 6thINTERNATIONAL CONGRESS ON ENGINEERING AND TECHNOLOGY MANAGEMENT, Scientific Congress, İstanbul, Turkey, Kasım 2021
Motorcu A. R. , 5th INTERNATIONAL CONGRESS ON ENGINEERING AND TECHNOLOGY MANAGEMENT, Scientific Congress, İstanbul, Turkey, Nisan 2021
Motorcu A. R. , 1.st International Conference of Advanced Materials and Manufacturing Technologies, Scientific Congress, Karabük, Turkey, Ekim 2017

Citations

Total Citations (WOS):421

h-index (WOS):11

Awards

Motorcu A. R. , Uluslararası Bilimsel Yayınları Teşvik Ödülü, Tübitak, April 2015
Motorcu A. R. , Uluslararası Bilimsel Yayınları Teşvik Ödülü, Tübitak, November 2014
MOTORCU A. R. , Uluslararası Bilimsel Yayınları Teşvik Ödülü, TÜBİTAK, June 2012
Motorcu A. R. , Motorcu A. R. , Uluslararası Bilimsel Yayınları Teşvik Ödülü, Tubitak, June 2010
MOTORCU A. R. , Uluslararası Bilimsel Yayınları Teşvik Ödülü, TÜBİTAK, August 2008
MOTORCU A. R. , Uluslararası Bilimsel Yayınları Teşvik Ödülü, TÜBİTAK, September 2006
MOTORCU A. R. , Uluslararası Bilimsel Yayınları Teşvik Ödülü, Gazi Üniversitesi, October 2005

Non Academic Experience

Other Public Institution, Çanakkale Milli Eğitim İl Müdürlüğü, Lise