

Prof. ALİ RIZA MOTORCU



Personal Information

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Department Annexe 3rd Floor Terzioğlu Campus 17100/Canakkale



International Researcher IDs

ScholarID: OV4fL_YAAAAJ

ORCID: 0000-0002-9129-8935

Publons / Web Of Science ResearcherID: G-5458-2017

ScopusID: 6507857056

Yoksis Researcher ID: 11170

Education Information

Undergraduate, Trakya University, Mühendislik Fakültesi, Makine Mühendisliği, Turkey
2022 - 2023

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Turkey 2001 - 2006

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Turkey 1997 - 2001

Undergraduate, Gazi University, Turkey 1992 - 1996

Foreign Languages

English, C1 Advanced

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

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

Computer Aided Technical Drawing, Undergraduate, 2022 - 2023, 2020 - 2021, 2019 - 2020
Manufacturing Processes II, Associate Degree, 2022 - 2023, 2020 - 2021, 2019 - 2020
Area of Expertise, Doctorate, 2023 - 2024, 2022 - 2023
Technical Drawing II, Associate Degree, 2022 - 2023, 2020 - 2021, 2019 - 2020
Teknik Resim I, Associate Degree, 2023 - 2024, 2021 - 2022, 2019 - 2020, 2017 - 2018
Technical Drawing, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021
Experimental Design and Data Analysis in Engineering, Doctorate, 2023 - 2024
Occupational Safety in Maintenance and Repair, Postgraduate, 2023 - 2024, 2022 - 2023, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2015 - 2016
Computer Aided Technical Drawing, Undergraduate, 2023 - 2024, 2015 - 2016
Manufacturing Methods I, Associate Degree, 2022 - 2023, 2020 - 2021

Technometrics for Engineering Occupational Safety Research and Applications, Doctorate, 2022 - 2023, 2021 - 2022, 2020 - 2021

Seminer, Doctorate, 2021 - 2022

Uzmanlık Alan, Postgraduate, 2021 - 2022, 2020 - 2021, 2018 - 2019

İmalat İşlemleri I, Associate Degree, 2021 - 2022, 2018 - 2019

Taşıma, İletim ve Depolama Sistemlerinde İş Güvenliği, Postgraduate, 2020 - 2021

Yeterlilik Çalışması, Doctorate, 2021 - 2022

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, 2019 - 2020, 2017 - 2018

Uzmanlık Alan Dersi, Postgraduate, 2018 - 2019

Seminer, Postgraduate, 2018 - 2019

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, 2017 - 2018, 2015 - 2016

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, 2015 - 2016, 2014 - 2015, 2012 - 2013, 2011 - 2012

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, 2015 - 2016, 2013 - 2014

Makine Elemanları, Associate Degree, 2015 - 2016

Materials Science, Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2010 - 2011

Makine Resmi, Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2010 - 2011

Ölçme Tekniği, Associate Degree, 2015 - 2016

Hidrolik ve Pnömatik, Associate Degree, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2010 - 2011

Bilgisayarlı Çizim Teknikleri, Undergraduate, 2014 - 2015

Technical Drawing II, Associate Degree, 2012 - 2013, 2011 - 2012

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, 2013 - 2014, 2012 - 2013

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, 2012 - 2013, 2011 - 2012
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., Güvenli iş yerlerinin sağlanabilmesi için yapay zekâ tabanlı program geliştirilmesi, Doctorate, B.Murat(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

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Çanakkale Onsekiz Mart Üniversitesi, December, 2023
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Çanakkale Onsekiz Mart Üniversitesi, December, 2023
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Çanakkale Onsekiz Mart Üniversitesi, December, 2023
Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Pamukkale Üniversitesi, December, 2023
Associate Professor Exam, Associate Professor Exam, Üniversitelerarası Kurul, December, 2023
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Karabük Üniversitesi, December, 2023
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Karabük Üniversitesi, December, 2023
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Bursa Uludağ Üniversitesi, December, 2023
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Çanakkale Onsekiz Mart Üniversitesi, June, 2023
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Karabük Üniversitesi, June, 2023
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Bursa Uludağ Üniversitesi, June, 2023
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Çanakkale Onsekiz Mart

Üniversitesi, June, 2023

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Karabük Üniversitesi, June, 2023

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Çanakkale Onsekiz Mart Üniversitesi, June, 2023

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Çanakkale Onsekiz Mart Üniversitesi, June, 2023

Associate Professor Exam, Associate Professor Exam, Üniversitelerarası Kurul, May, 2023

Associate Professor Exam, Associate Professor Exam, Üniversitelerarası Kurul, January, 2023

Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Çanakkale Onsekiz Mart Üniversitesi, January, 2023

Associate Professor Exam, Associate Professor Exam, Üniversitelerarası Kurul, January, 2023

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Çanakkale Onsekiz Mart Üniversitesi, December, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Karabük Üniversitesi, December, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Karabük Üniversitesi, December, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Çanakkale Onsekiz Mart Üniversitesi, December, 2022

Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Bursa Uludağ Üniversitesi, October, 2022

Post Graduate, Post Graduate, Bursa Uludağ Üniversitesi, August, 2022

Post Graduate, Post Graduate, Bursa Uludağ Üniversitesi, August, 2022

Doctorate, Doctorate, Karabük Üniversitesi, August, 2022

Doctorate, Doctorate, Bursa Uludağ Üniversitesi, August, 2022

Post Graduate, Post Graduate, Bursa Uludağ Üniversitesi, August, 2022

Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Amasya Üniversitesi, June, 2022

Associate Professor Exam, Associate Professor Exam, Üniversitelerarası Kurul, June, 2022

Associate Professor Exam, Associate Professor Exam, Üniversitelerarası Kurul, June, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Karabük Üniversitesi, June, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Karabük Üniversitesi, June, 2022

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

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Karabük Üniversitesi, December, 2021

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, 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, Bursa Uludağ Üniversitesi, August, 2021

Post Graduate, Post Graduate, Çanakkale Onsekiz Mart 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, Karabük Üniversitesi, June, 2021

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Bursa Uludağ Üniversitesi, February, 2021

Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, 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 to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, 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, Bursa Uludağ Üniversitesi, August, 2020

Post Graduate, Post Graduate, Çanakkale Onsekiz Mart 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

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Development and characterization of self-healing microcapsules, and optimization of production parameters for microcapsule diameter and core content**
Ozada C., Unal M., Sahin E. K., ÖZER H., MOTORCU A. R., YAZICI M.
MULTIDISCIPLINE MODELING IN MATERIALS AND STRUCTURES, vol.18, no.6, pp.1049-1077, 2022 (SCI-Expanded)
- II. **Optimization and alternative image processing approach for the comprehensive assessment of delamination and uncut fiber in drilling fiber metal laminate**
Ekici E., Motorcu A. R., Polat A.
JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING, vol.44, no.502, pp.1-23, 2022 (SCI-Expanded)
- III. **Investigation of photochemical machining characteristics of stainless steel AISI 304 via novel PCM equipment design**
Tunc M., Gokkaya H., Sur G., Motorcu A. R.
MULTIDISCIPLINE MODELING IN MATERIALS AND STRUCTURES, vol.18, no.5, pp.879-899, 2022 (SCI-Expanded)
- IV. **Single and multi-objective optimization for cutting force and surface roughness in peripheral milling of Ti6Al4V using fixed and variable helix angle tools**
Sur G., MOTORCU A. R., Nohutcu S.
JOURNAL OF MANUFACTURING PROCESSES, vol.80, pp.529-545, 2022 (SCI-Expanded)
- V. **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 (SCI-Expanded)

- VI. **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 (SCI-Expanded)
- VII. **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 (SCI-Expanded)
- VIII. **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 (SCI-Expanded)
- IX. **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 (SCI-Expanded)
- X. **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 (SCI-Expanded)
- XI. **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 (SCI-Expanded)
- XII. **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 (SCI-Expanded)
- XIII. **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 (SCI-Expanded)
- XIV. **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 (SCI-Expanded)
- XV. **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 (SCI-Expanded)
- XVI. **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 (SCI-Expanded)
- XVII. **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 (SCI-Expanded)

- XVIII. **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 (SCI-Expanded)
- XIX. **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 (SCI-Expanded)
- XX. **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 (SCI-Expanded)
- XXI. **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 (SCI-Expanded)
- XXII. **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 (SCI-Expanded)
- XXIII. **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 (SCI-Expanded)
- XXIV. **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 (SCI-Expanded)
- XXV. **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 (SCI-Expanded)
- XXVI. **Surface roughness model for machining mild steel with coated. carbide tool**
Şahin Y., Motorcu A. R.
MATERIALS & DESIGN, vol.26, pp.321-326, 2005 (SCI-Expanded)

Articles Published in Other Journals

- I. **Evaluation and Multi-Criteria Optimization of Surface Roughness, Deviation From Dimensional Accuracy and Roundness Error in Drilling CFRP/Ti6Al4 Stacks**
Motorcu A. R., Ekici E.
FME TRANSACTIONS, vol.50, no.3, pp.441-460, 2022 (ESCI)
- II. **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.

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TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, BAYTEK TAKIM BİLEME MAKİNE VE İMALAT SANAYİ TİCARET LİMİTED ŞİRKETİ (ANKARA), Turkey, February 2014

Dumlupınar Üniversitesi Fen Bilimleri Enstitüsü Dergisi , National Scientific Refreed Journal, December 2013

Strojniski Vestnik-Journal of Mechanical Engineering, SCI Journal, October 2013

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, EMEK TEKNİK ENDÜSTRİYEL SİSTEMLERİ MÜH. MAK. SAN.TİC. LTD. ŞTİ., Turkey, September 2013

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, CEMSAN MAKİNA, İNŞAAT SAN. VE TİC.LTD.ŞTİ., Turkey, September 2013

TUBITAK Project, 1501 - Industry R & D Projects Support Program, YILDIZ KALIP SAN. VE TİC. A.Ş., Turkey, September 2013

TUBITAK Project, 1501 - Industry R & D Projects Support Program, BALONEVİ SANAYİ VE TİC. A.Ş., Turkey, September 2013

Indian Journal of Engineering & Materials Sciences, SCI Journal, August 2013

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, MSK ÇELİK DÖVME YEDEK PARÇA SANAYİ VE TİCARET LİMİTED ŞİRKETİ, Turkey, July 2013

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, KAYAPLAS KAYALAR PLASTİK SANAYİ VE TİCARET A.Ş., Turkey, May 2013

TUBITAK Project, 1501 - Industry R & D Projects Support Program, KAZLI ÇEŞME DERİ ÜRÜNLERİ AR-GE SAN. VE TİC. LTD. ŞTİ., Turkey, March 2013

TUBITAK Project, 1501 - Industry R & D Projects Support Program, ÖZDERSAN DERİ MAKİNALARI SAN. TİC. LTD. ŞTİ., Turkey, March 2013

Proceedings of the IMechE, Part E: Journal of Process Mechanical Engineering, SCI Journal, February 2013

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, ŞAHİN GRUP OTOMOTİV DÖVME SANAYİ MAK. VE METAL TİC. LTD.ŞTİ., Turkey, January 2013

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, EKSEN SAVUNMA HAVACILIK VE MEDİKAL SANAYİ TİC. LTD.ŞTİ. , Turkey, October 2012

TUBITAK Project, 1501 - Industry R & D Projects Support Program, HİDROTAM HİDROLİK PNOMATİK MAKİNA SAN. TİC. LTD. ŞTİ., Turkey, September 2012

TUBITAK Project, 1501 - Industry R & D Projects Support Program, ÇIĞIR KİMYA SANAYİ VE TİCARET ANONİM ŞİRKETİ, Turkey, August 2012

TUBITAK Project, 1501 - Industry R & D Projects Support Program, YILMAZ MAKİNE SANAYİ VE TİCARET A.Ş., Turkey, July 2012

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, MASTAŞ MAKİNA KALIP SANAYİ VE TİC.A.Ş. , Turkey, June 2012

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, REFKAR SOĞUTMA VE ISI TRANSFER CİHAZLARI SANAYİ VE TİCARET LİMİTED ŞİRKETİ, Turkey, March 2012

NWSA - E-Journal of New World Sciences Academy, Other journals, February 2012

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, TEKÖ ALÜMİNYUM SANAYİ A.Ş., Turkey, January 2012

TUBITAK Project, 1501 - Industry R & D Projects Support Program, HİDROTAM HİDROLİK PNOMATİK MAKİNA SAN. TİC. LTD. ŞTİ., Turkey, November 2011

TUBITAK Project, 1501 - Industry R & D Projects Support Program, ÖZDERSAN DERİ MAKİNALARI SAN. TİC. LTD. ŞTİ., Turkey, October 2011

Advances in Engineering Software, SCI Journal, August 2011

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, KAYAPLAS KAYALAR PLASTİK SANAYİ VE TİCARET A.Ş., Turkey, August 2011

Scientific Research and Essays, SCI Journal, May 2011

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, TAM-TAŞ MAKİNA SANAYİ VE TİCARET A.Ş., Turkey, February 2011

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, KILIÇOĞLU PLASTİK AMBALAJ VE MAKİNE SAN TİC LTD ŞTİ, Turkey, November 2010
Strojniški vestnik - Journal of Mechanical Engineering, SCI Journal, October 2010
TUBITAK Project, 1501 - Industry R & D Projects Support Program, AKPLAS PLASTİK KALIP SANAYİ VE TİCARET ANONİM ŞİRKETİ, Turkey, September 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
TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, KAYA-PEN PLASTİK SANAYİ VE TİCARET LİMİTED ŞİRKETİ, Turkey, March 2010

Tasks In Event Organizations

Motorcu A. R., 12th INTERNATIONAL CONGRESS ON ENGINEERING, ARCHITECTURE AND DESIGN, Scientific Congress, İstanbul, Turkey, Aralık 2023
Motorcu A. R., 10th INTERNATIONAL CONGRESS ON ENGINEERING AND TECHNOLOGY MANAGEMENT, Scientific Congress, İstanbul, Turkey, Ekim 2023
Motorcu A. R., 29. Ulusal Ergonomi Kongresi, Scientific Congress, Çanakkale, Turkey, Ekim 2023
Motorcu A. R., 11th INTERNATIONAL CONGRESS ON ENGINEERING, ARCHITECTURE AND DESIGN, Scientific Congress, İstanbul, Turkey, Haziran 2023
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

Metrics

Publication: 121
Citation (WoS): 532
Citation (Scopus): 724
H-Index (WoS): 13
H-Index (Scopus): 14

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