

Res. Asst. MUSTAFA ARAS

Personal Information

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International Researcher IDs

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Yoksis Researcher ID: 114251



Education Information

2013 - Continues	Doctorate, Kocaeli University, Fen Bilimleri Enstitüsü, Biyomedikal Mühendisliği Anabilim Dalı, Turkey
2010 - 2013	Postgraduate, Trakya University, Mühendislik-Mimarlık Fakültesi, Makine Mühendisliği Bölümü, Turkey
2007 - 2012	Undergraduate, Anadolu University, Faculty Of Business Administration, Department Of Business, Turkey
2005 - 2009	Undergraduate, Istanbul University, Mühendislik Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, Turkey

Foreign Languages

English, B1 Intermediate

Certificates, Courses and Trainings

2018	Springer Nature Author Workshop, Vocational Training, SPRINGER NATURE
2017	UZAKTAN EĞİTİM VE UYGULAMALARI, Education Management and Planning, Trakya Üniversitesi
2015	BLUEHILL 3 SOFTWARE TRAINING, Vocational Training, INSTRON
2015	Proje Günleri, Project Management, East Marmara Development Agency Continuing Education Center
2012	İLERİ DÜZEY PROJE EĞİTİMİ, Project Management, T. C. MINISTRY OF NATIONAL EDUCATION GENERAL DIRECTORATE OF LIFELONG LEARNING (KOCAELİ/İZMİT PUBLIC EDUCATION CENTER AND DIRECTORATE OF EVENING SCHOOL)

Dissertations

2013	Ni _{1-x} Zn _x Fe ₂ O ₄ Yapısındaki Miknatısların Toz Metalurjisi Yöntemiyle Üretimi;Manyetik ve Karakteristik Özelliklerinin İncelenmesi, Trakya Üniversitesi, Mühendislik-Mimarlık Fakültesi, Makine Mühendisliği Bölümü, Postgraduate
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Research Areas

Biomedical Engineering, Metallurgical and Materials Engineering, Material science and engineering, Ceramic Materials, Testing and Control of Materials, Electrical and Magnetic Properties, Composites, Biomaterials, Material Characterization, Metallic Materials, Nanomaterials, Production Metallurgy, Non Metallic Materials Production, Powder Metallurgy

Academic Titles / Tasks

2012 - Continues Research Assistant, Kocaeli University, Teknoloji Fakültesi, Biyomedikal Mühendisliği Bölümü

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Surface Cleaning of Metals Using Low Power Fiber Lasers**
KAYAHAN E., CANDAN L., ARAS M., GÜNDOĞDU Ö.
ACTA PHYSICA POLONICA A, vol.134, no.1, pp.371-373, 2018 (Journal Indexed in SCI)
- II. **Tribological Behavior of SiC Particulate Reinforced AA5754 Matrix Composite Under Dry and Lubricated Conditions**
ERTÜRK A. T. , Şahin M., ARAS M.
Transactions of the Indian Institute of Metals, vol.70, no.5, pp.1233-1240, 2017 (Journal Indexed in SCI)
- III. **Characteristic and magnetic properties of Ni_{1-x}Zn_xFe₂O₄ ferrites**
Sahin M., Misirli C., Aras M.
MATERIALWISSENSCHAFT UND WERKSTOFFTECHNIK, vol.47, no.1, pp.53-63, 2016 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **Lazerle Metallerde Farklı Yüzey Uygulamaları**
KAYAHAN E., CANDAN L., ARAS M., ALHAJ HAMOUD M., GÜNDOĞDU Ö.
FOTONİK 2018, Ankara, Turkey, 14 September 2018, pp.120
- II. **The Determination Of Laser Drilling Parameters Of High Density Polymer Materials (PE 1000)**
ARAS M., MEHTAP T., KAYAHAN E., CANDAN L., GÜNDOĞDU Ö.
International Advanced Researches Engineering Congress-2017, Osmaniye, Turkey, 16 - 18 November 2017, pp.2516
- III. **The Determination Of The Welding Process Parameters By Laser On Ti6Al4V Alloy**
ARAS M., KAYAHAN E., CANDAN L., GÜNDOĞDU Ö.
International Advanced Researches Engineering Congress-2017, Osmaniye, Turkey, 16 - 18 November 2017, pp.2518
- IV. **Lazerle Farklı Kalınlıktaki Titanyum Flanş Kaynağı**
ARAS M., CANDAN L., KAYAHAN E., GÜNDOĞDU Ö.
FOTONİK 2017, İstanbul, Turkey, 29 September 2017, pp.67
- V. **Soğuma Hızının DIN 1.2379 Soğuk İş Takım Çeliğinin Mikroyapı Ve Sertlik Özelliklerine Etkisi**
KAYA H., TÜRKMEN M., ARAS M.
2. Uluslararası Mühendislik Mimarlık Ve Tasarım Kongresi, 2 International Congress On Engineering Architecture And Design, 12 - 13 May 2017
- VI. **Ni_{0,15}Zn_{0,85}Fe₂O₄ NUMUNELERİN TOZ METALURJİSİ YÖNTEMİYLE ÜRETİMİ VE 1200C SİNERLEME SONRASI MİKROYAPISAL İNCELENMESİ**
ARAS M., ŞAHİN M.
2ND INTERNATIONAL CONGRESS ON ENGINEERING ARCHITECTURE AND DESIGN, Kocaeli, Turkey, 12 - 13 May 2017
- VII. **TEMPERLEME İŞLEMİNİN YAĞDA SOĞUTULAN ÇELİKLERİN MİKROYAPI VE SERTLİK ÖZELLİKLERİNE ETKİSİ**
ÇALIGÜLÜ U., ARAS M., TÜRKMEN M.

4TH INTERNATIONAL SYMPOSIUM ON INNOVATIVE TECHNOLOGIES IN ENGINEERING AND SCIENCE
(ISITES2016), Antalya, Turkey, 3 - 05 November 2016

- VIII. **laser surface modifikaciotion of Ti6AL4V Alloy**
ARAS M., KAYAHAN E., GÜNDOĞDU Ö., TÜRKMEN M.
ISS2016, 1 - 04 September 2016
- IX. **Ti6Al4V ALAŞIMINDA LAZER ATIM SAYISININ YÜZEYE ETKİSİ**
ARAS M., KAYAHAN E., GÜNDOĞDU Ö., TÜRKMEN M.
FOTONİK 2016, Ankara, Turkey, 23 September 2016, pp.56
- X. **Ti6Al4V ALAŞIMINDA LAZER İLE YÜZEY MODİFİKASYONU**
ARAS M., KAYAHAN E., GÜNDOĞDU Ö., TÜRKMEN M.
INTERNATIONAL SCIENCES SYMPOSIUM (ISS2016), İstanbul, Turkey, 1 - 04 September 2016, pp.89-99
- XI. **Tİ6AL4V ALAŞIMINDA LAZER İLE YÜZEY MODİFİKASYONU**
ARAS M., KAYAHAN E., GÜNDOĞDU Ö., TÜRKMEN M.
International Science Symposium, 1 - 04 September 2016
- XII. **ISIL İŞLEM ŞARTLARININ MİKROALAŞIMLI ÇELİKLERİN MİKROYAPI VE SERTLİK ÖZELLİKLERİNE ETKİSİ**
TÜRKMEN M., ARAS M.
INTERNATIONAL SCIENCES SYMPOSIUM (ISS2016), İstanbul, Turkey, 1 - 04 September 2016, pp.112-119
- XIII. **ON PRODUCTION OF MAGNETIC MATERIALS HAVING NiO1 xZnOxFe2O4**
ŞAHİN M., MISIRLI C., ARAS M.
PROC. OF THE SECOND INTL. CONF. ON ADVANCES IN MECHANICAL AND ROBOTICS ENGINEERING (AMRE 2014),
Zürich, Switzerland, 25 - 26 October 2014, pp.24-28

Supported Projects

2020 - 2021	Lazerle İşlenen Biyometal Yüzeylerinin Korozyon Dayanımlarının İncelenmesi, Project Supported by Higher Education Institutions
2018 - 2020	Nanoparticles Doped Medical PVC Production, Project Supported by Higher Education Institutions
2011 - 2013	Ni1-XZnXFe2O4 YAPISINDAKİ MİKNATISLARIN TOZ METALURJİSİ YÖNTEMİYLE ÜRETİMİ VE MANYETİK ÖZELLİKLERİNİN İNCELENMESİ, Project Supported by Higher Education Institutions

Metrics

Publication: 18
Citation (WoS): 3
Citation (Scopus): 3
H-Index (WoS): 1
H-Index (Scopus): 1

Congress and Symposium Activities

2019	PHOTONICS 2019, Working Group, İstanbul, Turkey
2018	PHOTONICS 2018, Working Group, Ankara, Turkey
2017	IAREC'17 International Advanced Researches and Engineering Congress 2017, Working Group, Osmaniye, Turkey
2017	PHOTONICS 2017, Working Group, İstanbul, Turkey

2017	2ND. INTERNATIONAL CONGRESS ON ENGINEERING, ARCHITECTURE AND DESIGN, Working Group, Kocaeli, Turkey
2016	4TH. INTERNATIONAL SYMPOSIUM ON INNOVATIVE TECHNOLOGIES IN ENGINEERING AND SCIENCE, Working Group, Antalya, Turkey
2016	ISS2016 International Science Symposium "Quality in Science", Working Group, İstanbul, Turkey
2016	PHOTONICS 2016, Working Group, Ankara, Turkey

Awards

September 2016	BEST ARTICLE AWARD, Iss2016 International Science Symposium "Quality in Science"
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