

Prof. Tarık Aydoğmuş

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAJ-8743-2021

ScopusID: 25930789400

Yoksis Researcher ID: 30323

Education Information

Doctorate, Middle East Technical University, Graduate School Of Natural And Applied

Sciences, Metalurji Ve Malzeme Mühendisliği Anabilim Dalı, Turkey 2002 - 2010

Undergraduate, Istanbul Technical University, Kimya Metalurji Fakültesi, Metalurji

Mühendisliği Bölümü, Turkey 1995 - 2000

Biography

Tarık Aydoğmuş was born in Eskişehir, Turkey on 24 June 1977. He graduated from Yunus Emre Anatolian Teacher Training High School in 1995, and from Istanbul Technical University with a Bachelor of Science in Metallurgical Engineering in 2000. Having served in the army as a sub-lieutenant for 16 months, he was accepted as a graduate student and also for a teaching assistantship by Middle East Technical University, Graduate School of Natural and Applied Sciences, Metallurgical and Materials Engineering Program in 2002. After receiving his doctor of philosophy in 2010, he joined to Yuzuncu Yil University, Department of Mechanical Engineering. He has been to Texas A&M University, Mechanical Engineering Department for 12 months between November 2011 and November 2012 for his post-doctoral studies. He got assistant professorship, associated professorship and professorship titles in 2013, 2016, and 2021, respectively. Tarık Aydoğmuş has been in his current position as a full time professor at Van Yuzuncu Yil University, Mechanical Engineering Department since August 2021 and he works on shape memory alloys, porous metallic materials, Ti and its alloys, Al/Al alloy and Mg/Mg alloy matrix composites.

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Processing and Characterization of Porous Titanium Nickel Shape Memory Alloys, Middle East Technical University, Fen Bilimleri Enstitüsü, Metalurji Ve Malzeme Mühendisliği Anabilim Dalı, 2010

Research Areas

Metallurgical and Materials Engineering, Material science and engineering, Mechanical Properties, Composites, Biomaterials, Physical Metallurgy, Thermal Treatment, Material Characterization, Mechanical Metallurgy, Metallic Materials, Structure-Property Relationship, Engineering and Technology

Academic Titles / Tasks

Professor, Van Yüzüncü Yıl University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2021 - Continues
Associate Professor, Van Yüzüncü Yıl University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2016 - 2021
Assistant Professor, Van Yüzüncü Yıl University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2013 - 2016
Research Assistant PhD, Van Yüzüncü Yıl University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2010 - 2013
Research Assistant, Middle East Technical University, Faculty Of Engineering, Department Of Metallurgical And Materials Engineering, 2002 - 2010

Advising Theses

Aydoğmuş T., Kelen F., Alüminyum İlavesinin Magnezyum/Pomza Kompozitlerinin Mikroyapı Ve Mekanik Özellikleri Üzerindeki Etkisi, Postgraduate, D.SEVİN(Student), 2023
Aydoğmuş T., Kelen F., Alüminyum/Pomza Kompozitlerine Magnezyum İlavesinin Etkisi, Postgraduate, G.ANARAN(Student), 2023
Aydoğmuş T., TiNi İLE TAKVİYE EDİLMİŞ MG/AZ91 MATRİSLİ KOMPOZİTLERİN ÜRETİMİ VE KARAKTERİZASYONU, Doctorate, F.Kelen(Student), 2018
Aydoğmuş T., AZ91 ALAŞIMININ SICAK PRESLEME YÖNTEMİ İLE ÜRETİLMESİ, Postgraduate, E.Aydemir(Student), 2018
Aydoğmuş T., SICAK PRES YÖNTEMİ İLE TİTANYUM NİYOBYUM ŞEKİL BELLEKLİ ALAŞIMLARIN ÜRETİMİ, Postgraduate, N.AL(Student), 2018
Aydoğmuş T., BİYOMEDİKAL UYGULAMALAR İÇİN GÖZENEKLİ TİTANYUM NİYOBYUM ALAŞIMLARININ ÜRETİLMESİ, Postgraduate, D.PALANI (Student), 2018
Aydoğmuş T., POMZA TAKVİYELİ MAGNEZYUM MATRİSLİ KOMPOZİT ÜRETİMİ VE KARAKTERİZASYONU, Postgraduate, E.Kösedağ(Student), 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Processing of porous β -type Ti74Nb26 alloys for biomedical applications**
Aydoğmuş T., Palani D. K. H., Kelen F.
Journal of Alloys and Compounds, vol.872, 2021 (SCI-Expanded)
- II. **Microstructure and mechanical properties of a novel TiNi particulate reinforced AZ91 metal matrix composite**
Kelen F., GAVGALI M., Aydoğmuş T.
Materials Letters, vol.233, pp.12-15, 2018 (SCI-Expanded)
- III. **Microstructured prealloyed Titanium-Nickel powder as a novel nonenzymatic hydrogen peroxide sensor**
Kazici H. C., Çağlar A., Aydoğmuş T., Aktaş N., Kivrak H.
JOURNAL OF COLLOID AND INTERFACE SCIENCE, vol.530, pp.353-360, 2018 (SCI-Expanded)
- IV. **Processing of interpenetrating Mg-TiNi composites by spark plasma sintering**

Aydogmus T.

MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, vol.624, pp.261-270, 2015 (SCI-Expanded)

V. **Enhanced Sintering of TiNi Shape Memory Foams under Mg Vapor Atmosphere**

Aydoğmuş T., Bor S.

METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE, no.13, pp.5173-5181, 2012 (SCI-Expanded)

VI. **Superelasticity and compression behavior of porous TiNi alloys produced using Mg spacers**

Aydoğmuş T., Bor S.

JOURNAL OF THE MECHANICAL BEHAVIOR OF BIOMEDICAL MATERIALS, vol.15, pp.59-69, 2012 (SCI-Expanded)

VII. **Phase Transformation Behavior of Porous TiNi Alloys Produced by Powder Metallurgy Using Magnesium as a Space Holder**

Aydogmus T., Bor E. T., Bor S.

METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE, no.9, pp.2547-2555, 2011 (SCI-Expanded)

VIII. **Processing of porous TiNi alloys using magnesium as space holder**

Aydogmus T., Bor S.

JOURNAL OF ALLOYS AND COMPOUNDS, vol.478, pp.705-710, 2009 (SCI-Expanded)

Articles Published in Other Journals

I. **INVESTIGATION OF CORROSION CHARACTERISTICS OF AZ91 MAGNESIUM MATRIX COMPOSITE MATERIALS**

Kelen F., Aydoğmuş T., Gavgalı M.

Mühendislik Bilimleri ve Tasarım Dergisi, vol.10, no.1, pp.84-90, 2022 (Peer-Reviewed Journal)

II. **Investigation of corrosion behavior of magnesium matrix composite materials produced via uniaxial hot pressing technique**

Kelen F., Aydoğmuş T., Gavgalı M.

Gümüşhane Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.12, no.1, pp.34-41, 2022 (Peer-Reviewed Journal)

III. **Processing of AZ91 Magnesium Alloy via Hot Pressing Technique**

Aydoğmuş T., Kelen F., Aydemir E.

Bitlis Eren Üniversitesi Fen Bilimleri Dergisi, vol.9, no.1, pp.277-287, 2020 (Peer-Reviewed Journal)

IV. **PROCESSING OF β -TYPE BIOMEDICAL Ti74Nb26 ALLOY BY COMBINATION OF HOT PRESSING AND HIGH TEMPERATURE SINTERING**

Aydoğmuş T., Al-Zangana N. J. F., Kelen F.

Konya Mühendislik Bilimleri Dergisi, vol.8, no.2, pp.269-281, 2020 (Peer-Reviewed Journal)

V. **Toz metalürjisi yöntemi ile üretilmiş magnezyum matrisli kompozitlerin korozyon duyarlılıkları**

Kelen F., Aydoğmuş T., Gavgalı M., Dikici B.

Bitlis Eren Üniversitesi Fen Bilimleri Dergisi, vol.8, no.3, pp.914-920, 2019 (Peer-Reviewed Journal)

VI. **Production and characterization of porous TiNi shape memory alloys**

Aydoğmuş T., Bor A. S.

Turkish Journal of Engineering and Environmental Sciences, vol.35, no.2, pp.69-82, 2011 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

I. **Effect of magnesium addition on the microstructure of aluminum/pumice composites**

Anaran G., Kelen F., Aydoğmuş T.

2. International Pumice and Perlite Symposium (PuPeS'23 Cappadocia), Nevşehir, Turkey, 7 - 09 September 2023, pp.8-14

- II. **Effect of aluminum addition on magnesium/pumice composites**
Kelen F., Sevin Timur D., Aydoğmuş T.
2. International Pumice and Perlite Symposium (PuPeS'23 Cappadocia), Nevşehir, Turkey, 7 - 09 September 2023, pp.38-43
- III. **Stress induced martensitic transformations in magnesium based composites reinforced with TiNi microparticles**
Aydoğmuş T., Kelen F., Gavgalı M.
12th European Symposium on Martensitic Transformations (ESOMAT'22), Ankara, Turkey, 5 - 09 September 2022, pp.17-18
- IV. **Development of pumice reinforced magnesium based composites**
Sevin D., Köseadağ E., Kelen F., Aydoğmuş T.
International Pumice and Perlite Symposium, Bitlis, Turkey, 4 - 06 November 2021, pp.12-13
- V. **Development of Perlite Reinforced Aluminum Matrix Composites**
Anaran G., Ersidar A., Kelen F., Aydoğmuş T.
International Pumice and Perlite Symposium (PuPeS'21), Bitlis, Turkey, 4 - 06 November 2021, pp.14-15
- VI. **High Temperature Mechanical Properties of Magnesium/Pumice Composites Produced by Powder Metallurgy**
Köseadağ E., Aydoğmuş T.
3rd International Mediterranean Science and Engineering Congress (IMSEC 2018), Adana, Turkey, 24 - 26 October 2018, pp.798
- VII. **Processing and Characterization of Pumice Reinforced Magnesium Matrix Composites**
Köseadağ E., Aydoğmuş T.
3rd International Mediterranean Science and Engineering Congress (IMSEC 2018), Adana, Turkey, 24 - 26 October 2018, pp.797
- VIII. **Mg/NiTi metal matrisli kompozitlerin korozyon duyarlılıkları**
Kelen F., Aydoğmuş T., Gavgalı M., Dikici B.
15. International Corrosion Symposium-KORSEM 2018, Hatay, Turkey, 26 - 28 September 2018, pp.19
- IX. **TiNi ile takviye edilmiş AZ91D matrisli kompozitlerin korozyon davranışı**
Kelen F., Aydoğmuş T., Gavgalı M., Dikici B.
15. International Corrosion Symposium-KORSEM 2018, Hatay, Turkey, 26 - 28 September 2018, pp.20
- X. **Toz metalurjisi yöntemi ile üretilmiş TiNi/AZ91D kompozitlerinin oda sıcaklığı ve yüksek sıcaklık mukavemetleri**
Aydoğmuş T., Kelen F., Gavgalı M.
3. International Conference on Material Science and Technology in Cappadocia (IMSTEC' 2018), Nevşehir, Turkey, 17 - 19 September 2018, pp.711
- XI. **TiNi ile takviye edilmiş magnezyum matrisli kompozitlerin yüksek sıcaklık mekanik özellikleri**
Kelen F., Aydoğmuş T., Gavgalı M.
3. International Conference on Material Science and Technology in Cappadocia (IMSTEC' 2018), Nevşehir, Turkey, 17 - 19 September 2018, pp.717
- XII. **Hydrogen Peroxide Sensor Application of Ti and TiNi Catalysts**
Cağlar A., Demir Kıvrak H., Çelik Kazıcı H., Aydoğmuş T., Aktaş N.
International symposium for environmental science and engineering research (ISESER), Antalya, Turkey, 11 - 12 May 2018, pp.11
- XIII. **Tek eksenli sıcak presleme yöntemi ile üretilmiş saf magnezyum ve AZ91D alaşımında mikro sertlik özelliklerinin incelenmesi**
Aydoğmuş T., Kelen F., Aydemir E.
The International Conference on Materials Science, Mechanical and Automotive Engineering and Technology in Çeşme/İZMİR (IMSMATEC'18), İzmir, Turkey, 10 - 12 April 2018, pp.518
- XIV. **TiNi şekil bellekli alaşımlarla takviye edilmiş magnezyum bazlı kompozitlerde faz dönüşümleri**
Kelen F., Aydoğmuş T., Gavgalı M.
The International Conference on Materials Science, Mechanical and Automotive Engineering and Technology in

Çeşme/İZMİR (IMSMATEC'18), İzmir, Turkey, 10 - 12 April 2018, pp.519

- XV. **TiNi ile takviye edilmiş Mg matrisli kompozitlerin sıcak presleme yöntemi ile üretilmesi**
Kelen F., Aydoğmuş T., Gavgalı M.
1st International Symposium on Light Alloys and Composite Materials (ISLAC'18), Karabük, Turkey, 22 - 24 March 2018, pp.288-289
- XVI. **Sıcak presleme yöntemi ile üretilmiş AZ91/TiNi kompozitlerinin mikroyapısı**
Aydoğmuş T., Kelen F., Gavgalı M.
1st International Symposium on Light Alloys and Composite Materials (ISLAC'18), Karabük, Turkey, 22 - 24 March 2018, pp.290-291
- XVII. **Microhardness Behavior of in-situ Magnesium / Pumice Composites with Different Reinforcement Contents**
Kösedağ E., Aydoğmuş T.
8th International Advanced Technologies Symposium (IATS'17), Elazığ, Turkey, 19 - 22 October 2017, pp.2923-2930
- XVIII. **The Unusual Reinforcement Materials Used in Production of Magnesium Matrix in-situ Composites and Usability of Pumice**
Kösedağ E., Aydoğmuş T.
8th International Advanced Technologies Symposium (IATS'17), Elazığ, Turkey, 19 - 22 October 2017, pp.1037-1045
- XIX. **AZ91 alaşımının sıcak presleme yöntemi ile üretilmesi**
Aydemir E., Kelen F., Aydoğmuş T.
2nd International Conference on Material Science and Technology in Cappadocia (IMSTEC' 2017), Nevşehir, Turkey, 11 - 13 October 2017, pp.540
- XX. **Powder metallurgy processing of titanium-niobium alloys for medical implant applications**
Al-Zangana N. J. F., Palani D. K. H., Kelen F., Aydoğmuş T.
2nd International Conference on Material Science and Technology in Cappadocia (IMSTEC' 2017), Nevşehir, Turkey, 11 - 13 October 2017, pp.537
- XXI. **Mechanical Properties of Mg/TiNi Composites Produced via Spark Plasma Sintering Technique**
Aydoğmuş T.
18th International Metallurgy and Materials Congress (IMMC 2016), İstanbul, Turkey, 29 September - 01 October 2016, pp.77-81
- XXII. **Smart Metallic Foams: Fabrication and Biomedical Applications**
Aydoğmuş T.
6th International Advances in Applied Physics and Materials Science Congress & Exhibition (APMAS 2016), İstanbul, Turkey, 1 - 03 June 2016, pp.14
- XXIII. **The Effect of Ceramic and Metallic Reinforcement Materials on the Mechanical Properties of Magnesium Matrix Composites**
Kösedağ E., Aydoğmuş T.
International Conference on Materials Science and Technology in Cappadocia, Nevşehir, Turkey, 6 - 08 April 2016, pp.842-848
- XXIV. **Shape memory materials for improvement of the high temperature strength of magnesium and its alloys**
Kelen F., Aydoğmuş T., Gavgalı M.
International Conference on Materials Science and Technology in Cappadocia, Nevşehir, Turkey, 6 - 08 April 2016, pp.538-543
- XXV. **Otomotiv uygulamaları için TiNi ile takviye edilmiş magnezyum bazlı kompozitlerin geliştirilmesi**
Kelen F., Aydoğmuş T., Gavgalı M.
Mühendislikte Yeni Teknolojiler Sempozyumu, Bayburt, Turkey, 22 - 24 October 2015, pp.30
- XXVI. **Titanyum-Nikel (TiNi) Takviyeli Magnezyum Bazlı Kompozitler**
Aydoğmuş T.
Metalik Fikirler 4. Ar-Ge Proje Pazarı, İstanbul, Turkey, 8 - 10 October 2015, pp.34

- XXVII. **Magnesium: A New Alternative Metallic Space Holder for Porous Material Fabrication**
Aydoğmuş T.
9th International Conference on Porous Metals and Metallic Foams, "MetFoam 2015", Barcelona, Spain, 31 August - 02 September 2015, pp.114
- XXVIII. **Shape Memory Behavior of Ti49.6Ni50.4 Foams**
Aydoğmuş T.
9th International Conference on Porous Metals and Metallic Foams, "MetFoam 2015", Barcelona, Spain, 31 August - 02 September 2015, pp.55
- XXIX. **Processing of Smart Foams and Lightweight Composites Using Space Holders and Melt Infiltration**
Aydoğmuş T., Karaman İ., Bor Ş., Geltmacher A. B., Thakre P. R.
NSF IMI Site Visit of The International Institute for Multifunctional Materials for Energy Conversion (IIMEC), Texas, United States Of America, 13 - 14 August 2012
- XXX. **Powder Metallurgical Processing of TiNi Foams Using Magnesium Spacer Particles**
Aydoğmuş T., Bor Ş.
3rd Annual Meeting of The International Institute for Multifunctional Materials for Energy Conversion (IIMEC), Texas, United States Of America, 18 - 19 January 2012
- XXXI. **Toz Metalurjisi Yöntemiyle Üretilmiş TiNi Köpüklerde Yaşlandırma Isıl İşleminin Etkileri**
Aydoğmuş T., Bor Ş.
6. Uluslararası Toz Metalurjisi Kongresi, Ankara, Turkey, 5 - 09 October 2011, pp.267-276
- XXXII. **Geleneksel Toz Metalurjisi Yöntemiyle Gözenekli TiNi Alaşımların Üretimi Ve Karakterizasyonu**
Aydoğmuş T., Bor Ş.
6. Uluslararası Toz Metalurjisi Kongresi, Ankara, Turkey, 5 - 09 October 2011, pp.817-824
- XXXIII. **Magnezyum Boşluk Yapıcı Kullanılarak Üretilen TiNi Köpüklerinde Basma Ve Süperelastisite Davranışı**
Aydoğmuş T., Bor Ş.
6. Uluslararası Toz Metalurjisi Kongresi, Ankara, Turkey, 5 - 09 October 2011, pp.478-486
- XXXIV. **TiNi Köpüklerde Şekil Bellek Davranışı Ve Faz Dönüşüm Sıcaklıklarının İncelenmesi**
Aydoğmuş T., Bor Ş.
6. Uluslararası Toz Metalurjisi Kongresi, Ankara, Turkey, 5 - 09 October 2011, pp.487-494
- XXXV. **Gözenekli TiNi Şekil Bellekli Alaşımlarının Üretilmesi Ve Karakterizasyonu**
Aydoğmuş T., Bor Ş.
15. Uluslararası Metalurji ve Malzeme Kongresi, İstanbul, Turkey, 11 - 13 November 2010, pp.665-675
- XXXVI. **Production and Mechanical Characterization of Ni-rich NiTi Porous Shape Memory Alloys**
Koçkar B., Sargın I., Aydoğmuş T.
Special Workshop on Shape Memory Alloys: Current Challenges and Future Prospect, İstanbul, Turkey, 20 - 24 June 2010, pp.57
- XXXVII. **The Role of Stress-Assisted Aging on Superelastic Behavior of Hot-Rolled NiTi Alloys**
Sargın I., Koçkar B., Aydoğmuş T., Karaman İ., Bor Ş.
Special Workshop on Shape Memory Alloys: Current Challenges and Future Prospect, İstanbul, Turkey, 20 - 24 June 2010, pp.36

Supported Projects

Aydoğmuş T., Kelen F., ANARAN G., Project Supported by Higher Education Institutions, Alüminyum/Pomza Kompozitlerine Magnezyum İlavesinin Etkisi, 2021 - 2023

Aydoğmuş T., Kelen F., SEVİN D., Project Supported by Higher Education Institutions, Alüminyum İlavesinin Magnezyum/Pomza Kompozitlerinin Mikroyapı Ve Mekanik Özellikleri Üzerindeki Etkisi, 2021 - 2023

Koç S., Aydoğmuş T., Kelen F., Project Supported by Higher Education Institutions, Hacimli ve Gözenekli TiNb Alaşımların Biyoaktif Kompozite Kaplamalarla Kaplanması ve Karakterizasyonu, 2019 - 2021

Aydoğmuş T., Dikici B., Koç S., Yavuz H. İ., Bayram A., TUBITAK Project, Titanyum-Nikel (TiNi) ile Takviye Edilmiş

Magnezyum Bazlı Kompozitlerin Geliştirilmesi, 2016 - 2019

Aydoğmuş T., Kelen F., Project Supported by Higher Education Institutions, TiNi ile Takviye Edilmiş Mg/AZ91 Matrisli Kompozitlerin Üretimi ve Karakterizasyonu, 2015 - 2018

Aydoğmuş T., AYDEMİR E., Project Supported by Higher Education Institutions, AZ91 Alaşımının Sıcak Presleme Yöntemi ile Üretilmesi, 2015 - 2018

Aydoğmuş T., Project Supported by Higher Education Institutions, Makine Mühendisliği Bölümü Mekanik Ana Bilim Dalı Laboratuvarının Altyapısının Güçlendirilmesi, 2017 - 2017

Aydoğmuş T., Project Supported by Higher Education Institutions, Metalik ve Seramik Takviyeli Magnezyum Esaslı Kompozit Malzemelerin Mikroyapı ve Mekanik Özelliklerinin Belirlenmesi için Tel Erezyonla Numune Hazırlanması, 2016 - 2017

Aydoğmuş T., Köseadağ E., Project Supported by Higher Education Institutions, Pomza Takviyeli Magnezyum Matrisli Kompozit Üretimi Ve Karakterizasyonu, 2016 - 2017

Aydoğmuş T., Project Supported by Higher Education Institutions, Gözenekli TiNi Alaşımında Şekil Bellek Etkisinin İncelenmesi, 2014 - 2016

Aydoğmuş T., Other International Funding Programs, Fabrication and Characterization of Porous Meta-magnetic Shape Memory Alloys, 2011 - 2012

Aydoğmuş T., Other International Funding Programs, Fabrication of 3D Architected Magnesium - Titanium Alloy Composites, 2011 - 2012

Aydoğmuş T., Other International Funding Programs, Development of a Novel Way to Open Cooling Channels in Ti-based Materials Including Shape Memory Alloys, 2011 - 2012

Bor Ş., TUBITAK Project, Toz Metalurjisi Yöntemiyle Gözenekli TiNi ve Ti-6Al-4V Alaşımı Üretimi ve Karakterizasyonu, 2008 - 2010

Patent

Aydoğmuş T., Bir Gözenekli Titanyum ve Alaşımlarının Köpüklerini Üretme Yöntemi, Patent, CHAPTER B Implementation of Operations; Transport, The Invention Registration Number: TR 2009 01058 B , Standard Registration, 2012

Scientific Refereeing

DÜZCE ÜNİVERSİTESİ BİLİM VE TEKNOLOJİ DERGİSİ, National Scientific Refreed Journal, April 2021

Mühendislik Bilimleri ve Tasarım Dergisi, Other Journals, May 2020

Journal of Engineering and Technology, Other Journals, February 2020

Konya Mühendislik Bilimleri Dergisi, Other Journals, June 2019

TUBITAK Project, March 2019

TUBITAK Project, March 2019

TUBITAK Project, March 2019

METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE, SCI Journal, July 2018

Materials Letters, SCI Journal, December 2017

Materials Letters, SCI Journal, November 2017

TUBITAK Project, November 2017

TUBITAK Project, May 2016

TUBITAK Project, May 2016

TUBITAK Project, May 2016

TUBITAK Project, May 2016

Journal of Alloys and Compounds, SCI Journal, April 2016

Materials and Design, SCI Journal, June 2015

Project Supported by Higher Education Institutions, BAP Research Project, Selcuk University, Turkey, June 2015

Metallurgical and Materials Transactions A, SCI Journal, May 2015
Materials Science and Engineering A, SCI Journal, March 2015
Materials Science and Technology, SCI Journal, January 2015
Project Supported by Higher Education Institutions, September 2014
Materials Science and Engineering A, SCI Journal, November 2013
Metallurgical and Materials Transactions A, SCI Journal, September 2013
Metallurgical and Materials Transactions A, SCI Journal, November 2012
Journal of Intelligent Material Systems and Structures, SCI Journal, August 2012
Metallurgical and Materials Transactions A, SCI Journal, April 2012
Journal of Materials Engineering and Performance, SCI Journal, April 2012
Journal of Materials Engineering and Performance, SCI Journal, March 2012
6. Uluslararası Toz Metalurjisi Kongresi Bildiriler Kitabı, Scientific / Professional Book Published by Other Publishers, January 2012
Metallurgical and Materials Transactions A, SCI Journal, June 2011

Tasks In Event Organizations

Aydoğmuş T., 2. International Pumice and Perlite Symposium (PuPeS'23 Cappadocia), Scientific Congress, Nevşehir, Turkey, Eylül 2023
Aydoğmuş T., 12th European Symposium on Martensitic Transformations (ESOMAT'22), Scientific Congress, Ankara, Turkey, Eylül 2022
Aydoğmuş T., International Pumice and Perlite Symposium (PuPeS'21), Scientific Congress, Bitlis, Turkey, Kasım 2021
Aydoğmuş T., 13. Ulusal Kimya Mühendisliği Kongresi, Scientific Congress, Van, Turkey, Eylül 2018

Scientific Research / Working Group Memberships

Microstructural Engineering of Structural and Active Materials Research Group, Texas A&M University, United States Of America, <http://mesam.tamu.edu/index.html>, 2011 - 2012

Mobility Activity

Post Doc, Post Doc, Texas A&M University - College Station, United States Of America, 2011 - 2012

Metrics

Publication: 51
Citation (WoS): 214
Citation (Scopus): 284
H-Index (WoS): 7
H-Index (Scopus): 9

Congress and Symposium Activities

12th European Symposium on Martensitic Transformations (ESOMAT'22), Attendee, Ankara, Turkey, 2022
1st International Symposium on Light Alloys and Composite Materials (ISLAC'18), Attendee, Karabük, Turkey, 2018
2nd International Conference on Material Science and Technology in Cappadocia (IMSTEC' 2017), Attendee, Nevşehir, Turkey, 2017

Pomza ve Perlit Çalıştay, Audience, Bitlis, Turkey, 2017

18th International Metallurgy and Materials Congress (IMMC 2016), Attendee, İstanbul, Turkey, 2016

6th International Advances in Applied Physics and Materials Science Congress & Exhibition (APMAS 2016), Invited Speaker, İstanbul, Turkey, 2016

International Conference on Materials Science and Technology in Cappadocia (IMSTEC 2016), Attendee, Nevşehir, Turkey, 2016

Mühendislikte Yeni Teknolojiler Sempozyumu, Attendee, Bayburt, Turkey, 2015

Metalik Fikirler 4. Ar-Ge Proje Pazarı, Attendee, İstanbul, Turkey, 2015

9th International Conference on Porous Metals and Metallic Foams, "MetFoam 2015", Attendee, Barcelona, Spain, 2015

NSF IMI Site Visit of The International Institute for Multifunctional Materials for Energy Conversion (IIMEC), Attendee, Texas, United States Of America, 2012

3rd Annual Meeting of The International Institute for Multifunctional Materials for Energy Conversion (IIMEC), Attendee, Texas, United States Of America, 2012

6. Uluslararası Toz Metalurjisi Kongresi, Attendee, Ankara, Turkey, 2011

15. Uluslararası Metalurji ve Malzeme Kongresi, Attendee, İstanbul, Turkey, 2010

Invited Talks

6th International Advances in Applied Physics and Materials Science Congress & Exhibition (APMAS 2016), Conference, Turkey, June 2016

Scholarships

Yurt Dışı Doktora Sonrası Araştırma Burs Programı, TÜBİTAK, 2011 - 2012

TÜBİTAK Bursiyer, TÜBİTAK, 2008 - 2010

Non Academic Experience

Other Public Institution, 500. İstihkam Ana Depo Ve Fabrika Komutanlığı, Kompozit Atölyesi, Dökümhane

500. İstihkam Ana Depo ve Fabrika Komutanlığı