

Prof. MEHMET ŞİMŞİR

Personal Information

Email: msimsir@cumhuriyet.edu.tr

Web: <https://avesis.cumhuriyet.edu.tr/msimsir>

Education Information

Doctorate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Metalurji Ve Malzeme Mühendisliği (YI) (Tezli), Turkey 1995 - 2004

Postgraduate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Metalurji Ve Malzeme Mühendisliği (YI) (Tezli), Turkey 1991 - 1995

Undergraduate, Middle East Technical University, Faculty Of Engineering, Department Of Metallurgical And Materials Engineering, Turkey 1985 - 1991

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Investigation of fracture behavior of steel/steel laminates, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Metalurji Ve Malzeme Mühendisliği (YI) (Tezli), 2004

Postgraduate, Determination of sensitivity and reliability of NDI techniques on damage tolerance based life prediction of turbine discs, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Metalurji Ve Malzeme Mühendisliği (YI) (Tezli), 1995

Research Areas

Material science and engineering, Testing and Control of Materials, Mechanical Properties, Physical Properties, Joining and Cutting, Nondestructive Testing, Composites, Intermetallics, Biomaterials, Physical Metallurgy, Thermal Treatment, Plating, Material Characterization, Mechanical Metallurgy, Nanomaterials, Surface Finishing Processes

Academic Titles / Tasks

Professor, Sivas Cumhuriyet University, Mühendislik Fakültesi, Metalürji Mühendisliği, 2015 - Continues

Associate Professor, Sivas Cumhuriyet University, Mühendislik Fakültesi, Metalürji Mühendisliği, 2010 - 2015

Assistant Professor, Sivas Cumhuriyet University, Mühendislik Fakültesi, Metalürji Mühendisliği, 2005 - 2010

Research Assistant, Sivas Cumhuriyet University, Mühendislik Fakültesi, Metalürji Mühendisliği, 1996 - 2005

Academic and Administrative Experience

Sivas Cumhuriyet Üniversitesi, Mühendislik Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, 2019 - Continues

Sivas Cumhuriyet Üniversitesi, Mühendislik Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, 2009 - Continues
Sivas Cumhuriyet Üniversitesi, Mühendislik Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, 2016 - 2017
Sivas Cumhuriyet Üniversitesi, Mühendislik Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, 2015 - 2016
Sivas Cumhuriyet Üniversitesi, Mühendislik Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, 2009 - 2012

Courses

Seminer Dersi, Doctorate, 2019 - 2020
Fiziksel Metalurji I, Undergraduate, 2019 - 2020
Fiziksel Metalurji I, Undergraduate, 2019 - 2020
Fiziksel Metalurji II, Undergraduate, 2018 - 2019
Malzeme Bilimi II, Undergraduate, 2018 - 2019
Yüksek Mukavemetli Alaşımlar, Postgraduate, 2019 - 2020
Uzmanlık Alan Dersi, Postgraduate, 2019 - 2020
Seminer Dersi, Postgraduate, 2019 - 2020
Faz Dönüşümleri, Postgraduate, 2018 - 2019
Kırılma, Postgraduate, 2018 - 2019
Bitirme Ödevi, Undergraduate, 2019 - 2020
Malzeme Bilimi I, Undergraduate, 2019 - 2020
Malzeme Bilimi II, Undergraduate, 2018 - 2019
Yüzey Kaplama, Postgraduate, 2019 - 2020
Fiziksel Metalurji II, Undergraduate, 2018 - 2019
Kompozit Malzemeler, Undergraduate, 2019 - 2020
Çelik ve Çelik Teknoloji, Undergraduate, 2018 - 2019
Malzeme Bilimi I, Undergraduate, 2019 - 2020
YÜZEY KAPLAMALARI, Postgraduate, 2016 - 2017, 2017 - 2018
MALZEME BİLİMİ I, Undergraduate, 2016 - 2017, 2017 - 2018
YÜKSEK MUKAVEMETLİ ALAŞIMLAR, Postgraduate, 2016 - 2017, 2017 - 2018
FİZİKSEL METALURJİ II, Undergraduate, 2016 - 2017, 2017 - 2018
KIRILMA, Postgraduate, 2016 - 2017, 2017 - 2018
UZMANLIK ALAN DERSİ, Postgraduate, 2016 - 2017, 2017 - 2018
Bitirme Ödevi, Undergraduate, 2018 - 2019
SEMİNER, Postgraduate, 2016 - 2017, 2017 - 2018
MALZEME BİLİMİ II, Undergraduate, 2016 - 2017, 2017 - 2018
FİZİKSEL METALURJİ I, Undergraduate, 2016 - 2017, 2017 - 2018
FAZ DÖNÜŞÜMLERİ, Postgraduate, 2016 - 2017, 2017 - 2018
Metalurji Mühendisliği Projesi II, Undergraduate, 2015 - 2016
Kompozit Malzemeler, Undergraduate, 2016 - 2017
Metalurji Mühendisliği Projesi I, Undergraduate, 2015 - 2016
Metalografi Laboratuvarı, Undergraduate, 2012 - 2013
Metalografi, Undergraduate, 2012 - 2013
Metalografi, Undergraduate, 2012 - 2013
Metalografi Laboratuvarı, Undergraduate, 2012 - 2013
Kompozit Malzemeler, Undergraduate, 2012 - 2013
Kaynak Metalurjisi ve Tekniği, Undergraduate, 2011 - 2012
Mekanik Metalurji Laboratuvarı, Undergraduate, 2012 - 2013
Mekanik Metalurji Laboratuvarı, Undergraduate, 2012 - 2013
Kaynak Metalurjisi ve Tahribatsız Muayene, Undergraduate, 2010 - 2011
Metalurji Ve Malzeme Müh. Giriş, Undergraduate, 2010 - 2011
Metalurji Ve Malzeme Müh. Giriş, Undergraduate, 2010 - 2011

Üretim Metalurjisi Prensipleri I, Undergraduate, 2009 - 2010
İstatistik, Undergraduate, 2009 - 2010
Tesis Yönetimi Ve İşletme, Undergraduate, 2009 - 2010
Malzeme Seçimi ve Tasarımı, Undergraduate, 2008 - 2009
Malzemenin Mekanik Özellikleri I, Undergraduate, 2008 - 2009
Malzemenin Mekanik Özellikleri II, Undergraduate, 2007 - 2008
İleri Teknolojik Malzemeler, Undergraduate, 2006 - 2007
Demir - Çelik Teknolojisi, Undergraduate, 2005 - 2006

Advising Theses

ŞİMŞİR M., Soket üretiminde metal kaplı elmasların kullanımı karakterizasyonu ve mekanik özelliklerinin incelenmesi, Postgraduate, H.SÜBÜTAY(Student), 2017
ŞİMŞİR M., Toz metalurjisi yöntemiyle SiC takviyeli TiNi kompozitlerin üretimi ve karakterizasyonu, Postgraduate, H.AKKAN(Student), 2017
ŞİMŞİR M., Toz metalurjisi yöntemiyle kesici uç (Soket) üretilmesi ve karakterizasyonu, Postgraduate, K.EMRE(Student), 2011
ŞİMŞİR M., AISI 4140 AISI 1050 ve AISI 8620 çelikleri için soğutma ortamının aşınma davranışı üzerine etkisi, Postgraduate, S.DİKMEN(Student), 2010

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **ZnO/Al₂O₃ layered structures deposited by RF magnetron sputtering on glass: growth characteristics, optical properties, and microstructural analysis**
ŞENADIM TÜZEMEN E., ÖZER A., DEMİR İ., ALTUNTAŞ İ., ŞİMŞİR M.
JOURNAL OF THE AUSTRALIAN CERAMIC SOCIETY, vol.57, no.5, pp.1379-1388, 2021 (Journal Indexed in SCI)
- II. **A Novel and Eco-friendly Approach for the Simultaneous Recovery of Copper and Diamond from Waste Cutting Segments via Electrodisolution/Deposition**
Kul M., Erden F., OSKAY K. O. , Karasungur O., ŞİMŞİR M., Kumruoglu L. C. , KARAKAYA İ.
JOURNAL OF SUSTAINABLE METALLURGY, 2021 (Journal Indexed in SCI)
- III. **A comparative study of hardness/scratch/wear properties of TiCN and TiAlN Coatings on DIN 1.2842 Steel by CA-PVD Method**
Şimşir M., Palacı Y., Özer A.
JOURNAL OF THE AUSTRALIAN CERAMIC SOCIETY, vol.58, pp.1-7, 2021 (Journal Indexed in SCI Expanded)
- IV. **The Effects of Heat Treatment on the Tensile Properties of Camshaft made of GGG70 Series Spherical Graphite Cast Iron**
Karaca B., ŞİMŞİR M.
ACTA PHYSICA POLONICA A, vol.135, no.4, pp.811-818, 2019 (Journal Indexed in SCI)
- V. **The Effects of Austempering Heat Treatment on the Mechanical Properties of Heavy Vehicles Camshaft made of Different Analysis Ductile Cast Iron**
Karaca B., ŞİMŞİR M.
ACTA PHYSICA POLONICA A, vol.135, no.4, pp.804-810, 2019 (Journal Indexed in SCI)
- VI. **Effects of Molybdenum and Boron Additions of Fe-Based Metal Matrix Composites by Warm Compaction Method**
Gun T., ŞİMŞİR M.
ACTA PHYSICA POLONICA A, vol.135, no.4, pp.819-824, 2019 (Journal Indexed in SCI)
- VII. **Processing and characterization of porous SiC/NiTi alloys for biomedical applications**
Şimşir M., Akkan H., Öksüz K. E.
KOVOLVE MATERIALY-METALLIC MATERIALS, vol.57, pp.363-369, 2019 (Journal Indexed in SCI)

- VIII. **The Effects of Austempering and Induction Hardening on the Wear Properties of Camshaft Made of Ductile Cast Iron**
Karaca B., Simsir M.
ACTA PHYSICA POLONICA A, vol.131, no.3, pp.448-452, 2017 (Journal Indexed in SCI)
- IX. **Investigation of Mechanical Properties of Fe-Based Metal Matrix Composites by Warm Compaction for Gear Production**
Gun T., Simsir M.
ACTA PHYSICA POLONICA A, vol.131, no.3, pp.443-447, 2017 (Journal Indexed in SCI)
- X. **Optimization of selective leaching of Zn from electric arc furnace steelmaking dust using response surface methodology**
Kul M., Oskay K. O. , Şimşir M., Subutay H., Kirgezen H.
TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA, vol.25, pp.2753-2762, 2015 (Journal Indexed in SCI)
- XI. **Processing and Mechanical Properties of B₄C/Diamond Impregnated Fe/Co MMC**
Öksüz K. E. , Şimşir M.
ACTA PHYSICA POLONICA A, vol.127, no.4, pp.1139-1141, 2015 (Journal Indexed in SCI)
- XII. **Investigation on the machinability of steel/steel laminates by CO₂ laser**
ŞİMŞİR M., ÖZER A., KUMRUOĞLU L. C.
INTERNATIONAL JOURNAL OF MATERIALS & PRODUCT TECHNOLOGY, vol.48, pp.80-94, 2014 (Journal Indexed in SCI)
- XIII. **Effects of sintering temperature and addition of Fe and B₄C on hardness and wear resistance of diamond reinforced metal matrix composites**
Şimşir M., Öksüz K. E.
JOURNAL OF SUPERHARD MATERIALS, vol.35, no.6, pp.369-382, 2013 (Journal Indexed in SCI)
- XIV. **Investigation of the tensile properties of continuous steel wire-reinforced gray cast iron composite**
Akdemir A., KUŞ R., ŞİMŞİR M.
MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, vol.528, pp.3897-3904, 2011 (Journal Indexed in SCI)
- XV. **Impact toughness and microstructure of continuous steel wire-reinforced cast iron composite**
Akdemir A., KUŞ R., ŞİMŞİR M.
MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, vol.516, pp.119-125, 2009 (Journal Indexed in SCI)
- XVI. **Mechanical and microstructural properties of low-carbon steel-plate-reinforced gray cast iron**
AVCI A., Ilkaya N., ŞİMŞİR M., Akdemir A.
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, vol.209, no.3, pp.1410-1416, 2009 (Journal Indexed in SCI)
- XVII. **An investigation into stainless-steel/structural-alloy-steel bimetal produced by shell mould casting**
ŞİMŞİR M., KUMRUOĞLU L. C. , ÖZER A.
MATERIALS & DESIGN, vol.30, no.2, pp.264-270, 2009 (Journal Indexed in SCI)
- XVIII. **Effect of heat treatment on fracture behavior of steel-wire-reinforced gray cast iron**
Simsir M.
INTERNATIONAL JOURNAL OF FRACTURE, vol.151, no.2, pp.121-133, 2008 (Journal Indexed in SCI)
- XIX. **Fracture behavior and microstructure of steel fiber reinforced cast iron**
Simsir M.
JOURNAL OF MATERIALS SCIENCE, vol.42, no.16, pp.6701-6707, 2007 (Journal Indexed in SCI)
- XX. **Comparison of two non-destructive inspection techniques on the basis of sensitivity and reliability**
Simir M., Ankara A.
MATERIALS & DESIGN, vol.28, no.5, pp.1433-1439, 2007 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Using of Metal Coated Diamond by Polymeric Binder in Design of Segment Used in Natural Stone Sawing Process**
Sübütay H., Şimşir M.
International Journal of Innovative Engineering Applications, vol.3, no.1, pp.1-8, 2019 (Refereed Journals of Other Institutions)
- II. **Effect of Austempering Heat Treatment on the Tensile Properties of CamShaft Made of Ductile Cast Iron**
Karaca B., ŞİMŞİR M.
International Refereed Journal of Engineering and Science, vol.6, no.11, pp.16-22, 2017 (Refereed Journals of Other Institutions)
- III. **Effect of induction hardening of Fe-C-Ni-Cu-Mo-B metal matrix composites by powder metallurgy for gear production**
Gün T., ŞİMŞİR M., Özaydın F.
Journal of Achievements in Materials and Manufacturing Engineering, vol.79, no.2, pp.49-53, 2016 (Refereed Journals of Other Institutions)
- IV. **Effect of chill formation on the mechanical properties and microstructure of grey and nodular cast irons used in automotive industry**
Subutay H., ŞİMŞİR M., Aydın M., Karaca B.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.22, no.1, pp.1-7, 2016 (Journal Indexed in ESCI)
- V. **Investigating the effect of testing parameters on adhesive wear using Taguchi method**
ŞİMŞİR M., SELÇUK B., ASLAN N.
Advances in Materials and Processing Technologies, vol.1, pp.493-507, 2016 (Refereed Journals of Other Institutions)
- VI. **Investigation of Mechanical Properties and Microstructure of AA2024 and AA7075**
ÖKSÜZ K. E. , BAĞIROV H., ŞİMŞİR M., Ceyhun K., Aykut Ö., YZ D., Utku B.
Applied Mechanics and Materials, vol.390, pp.547-551, 2013 (Refereed Journals of Other Institutions)
- VII. **Modelling of Fracture Toughness in Steel Laminates with Finite Element Method**
ŞİMŞİR M., ÖZTÜRK T., Mustafa D.
Turkish Journal of Engineering & Environmental Sciences, vol.29, no.1, pp.41-50, 2005 (Other Refereed National Journals)
- VIII. **Investigation of the Fracture Behavior of Steel Steel Laminates in Crack Divider Orientation**
ŞİMŞİR M., ÖZTÜRK T., Mustafa D.
Turkish Journal of Engineering & Environmental Sciences, vol.28, no.6, pp.397-404, 2004 (Other Refereed National Journals)

Books & Book Chapters

- I. **Chapter 11**
Öksüz K. E. , Gün T., Şimşir M.
in: High Performance and Optimum Design of Structures and Materials Book, W.P. De Wilde, Vrije Universiteit Brussel, Belgium S. Hernández, University of A Coruña, Spain C.A. Brebbia, Wessex Institute of Technology, UK, Editor, WIT Press , London, pp.545-552, 2014
- II. **Section 11. Surface Modification**
ÖKSÜZ K. E. , Gün T., ŞİMŞİR M.
in: High Performance and Optimum Design of Structures and Materials Book, W.P. De Wilde, S. Hernández, C.A. Brebbia, Editor, WIT Press , pp.545-552, 2014
- III. **Composites Section 3: Hard and Super Hard Materials, Chapter 25 Investigation of Mechanical Behavior of B4C/Diamond Reinforced Fe/Co Metal Matrix Composites Produced by PM**
Şimşir M., Öksüz K. E. , Şahin Y.

Refereed Congress / Symposium Publications in Proceedings

- I. **Influence of Pressure on ZnO/Al₂O₃ Produced by RF Magnetron Sputtering on Glass Substrate**
Hopoglu H., Aydmoglu H., DEMİR İ., ALTUNTAŞ İ., ŞİMŞİR M., ŞENADIM TÜZEMEN E.
9TH INTERNATIONAL ADVANCED TECHNOLOGIES SYMPOSIUM (IATS'21), 27 - 28 October 2021
- II. **Fiziksel Buhar Biriktirme Yöntemi İle AISI O2 ve K390 Çeliklerine CrN Kaplamanın Karakterizasyonu**
ŞİMŞİR M.
IMSTEC 2019, 4th International Conference on Material Science and Technology, KIZILCAHAMAM/ANKARA, Turkey, 18 - 20 October 2019, pp.795-800
- III. **Fiziksel Buhar Biriktirme Yöntemi ile DIN 1.2379 Çeliğine TiCN ve CrN Sert Kaplamaların Mekanik Özelliklerinin Karşılaştırılması**
ŞİMŞİR M.
IMSTEC 2019, 4th International Conference on Material Science and Technology, KIZILCAHAMAM/ ANKARA, 18 - 20 October 2019, pp.819-825
- IV. **Sivas İli Ekonomik Verileri**
Şimşir M., DüNDAR S.
3. Maden Kenti Sivas Zirvesi, Sivas, Turkey, 16 - 17 November 2017
- V. **INVESTIGATION OF CHARACTERIZATION AND MECHANICAL PROPERTIES, USE OF METAL COATED DIAMOND AND WC IN SOCKET PRODUCTION**
SÜBÜTAY H., ŞİMŞİR M.
IMSMATEC'xx19, 21 - 23 June 2019
- VI. **Soket üretiminde metal kaplı elmas ve SiC kullanımı karakterizasyonu ve mekanik özelliklerinin incelenmesi**
SÜBÜTAY H., ŞİMŞİR M.
4. uluslararası mühendislik mimarlık ve tasarım kongresi, 23 - 24 April 2019
- VII. **The Effects of Austempering Time and Different Quenching Media on Mechanical Properties of CAM Shaft**
Karaca B., Gün T., Aydın M., ŞİMŞİR M.
19th International Metallurgy and Materials Congress, 25 - 27 October 2018
- VIII. **Effects of Mo and B Additions on Induction Hardening of Fe-C-Ni-Cu Metal Matrix Composites Produced by Warm Compaction Method**
Gün T., ŞİMŞİR M., Karaca B., ÖZAYDIN F.
19th International Metallurgy and Materials Congress, 25 - 27 October 2018
- IX. **Using of Metal Coated Diamond in Design of Segment Used in Natural Stone Sawing Process**
SÜBÜTAY H., ŞİMŞİR M.
CIEA 2018, 20 - 22 September 2018
- X. **The effect of ball milling time on the mechanochemical activation properties of Cu₁CrZr alloys**
ÖZER A., ÖKSÜZ K. E., Sübütay H., Kurt N., Şimşir M., Kumruoğlu L. C., Kul M.
4th International Turkic World Conference on Chemical Sciences and Technologies ITWCCST 2018, Kiev, Ukraine, 7 - 10 September 2018, vol.1
- XI. **A MODEL FOR DEVELOPMENT OF COUNTRY ON THE BASIS OF INNOVATION GOVERNMENT-UNIVERSITYINDUSTRYCOOPERATION (GUIC)**
ŞİMŞİR M.
INTERNATIONAL CONFERENCE ON INNOVATIVE ENGINEERING APPLICATIONS, Sivas, Turkey, 20 - 22 September 2018
- XII. **Powder Copper Extraction and Diamond Recovery from Scrapped Saw Blades by Electro Dissolution-Deposition**

OSKAY K. O. , KUL M., KUMRUOĞLU L. C. , KARAKAYA İ., ŞİMŞİR M., ERTAŞ H. A. , karasungur o., Korkmaz S.
ISEM 2018 4th INTERNATIONAL SYMPOSIUM ON ENVIRONMENT AND MORALS Sarajevo / Bosnia and
Herzegovina 27-29 JUNE 2018, Sarajevo, Bosnia And Herzegovina, 27 - 29 June 2018

- XIII. **A Study on the Fabrication of TiNi/SiCp Alloys By PM Method and its Characterization**
ÖKSÜZ K. E. , ŞİMŞİR M., Akkan H.
IMSTEC 2017, 11 - 13 October 2017
- XIV. **Characterization of CrN Coating on DIN1.2379 and DIN 1.2842 Cold Work Tool Steels By Physical Vapor Deposition**
Korkmaz S., ŞİMŞİR M., KUL M.
IMSTEC 2017, 11 - 13 October 2017
- XV. **Effect of Metal Coated Diamond on Microstructure and Mechanical Properties of Metal Matrix Composites**
Sübütay H., ŞİMŞİR M.
IMSTEC 2017, 11 - 13 October 2017
- XVI. **A Study on the Fabrication of TiNi/SiCp Alloys by PM Method and Characterization**
ÖKSÜZ K. E. , ŞİMŞİR M., AKKAN H.
The International Conference on Material Science and Technology in Cappadocia (IMSTEC 2017), Ürgüp-Nevşehir, Turkey, 11 - 13 October 2017, vol.1, pp.774
- XVII. **Characterization of CRN Coating on DIN 1.2379 and DIN 1.2842 Cold Work Tool Steels by Physical Vapor Deposition**
KORKMAZ S., ŞİMŞİR M., KUL M.
IMSTEC 2017, 11 - 13 October 2017
- XVIII. **Effect of SiC Particle Size on the Physical and Mechanical Properties of NiTi Alloys**
Akkan H., Şimşir M., Öksüz K. E.
10th International Conference on Materials Science Engineering (Bramat 2017), Brasov, Romania, 8 - 11 March 2017, vol.907, pp.3-7
- XIX. **EFFECT OF INDUCTION HARDENING OF Fe C Ni Cu Mo B METAL MATRIX COMPOSITES BY POWDER METALLURGY FOR GEAR PRODUCTION**
Gün T., ŞİMŞİR M., Özaydın F.
ISMP'16, 12 - 14 October 2016
- XX. **EFFECT OF HEAT TREATMENT ON THE TENSILE PROPERTIES OF CAM SHAFT MADE OF DUCTILE CAST IRON**
Karaca B., ŞİMŞİR M., Akkan H.
IMSP'16, 12 - 14 October 2016
- XXI. **DİŞLİ ÜRETİMİ İÇİN TOZ METALURJİSİ YÖNTEMİ İLE ÜRETİLMİŞ Fe C Ni Cu Mo B METAL MATRİKSLİ KOMPOZİTİN MEKANİK ÖZELLİKLERİNİN ARAŞTIRILMASI**
GÜN T., ŞİMŞİR M., ÖZAYDIN F.
IMMC 2016, 29 September - 01 October 2016
- XXII. **DÖKME DEMİRDEN ÜRETİLMİŞ KAM MİLLERİNİN AŞINMA ÖZELLİKLERİNE ISIL İŞLEMİN ETKİSİ**
KARACA B., ŞİMŞİR M., AYDIN M.
IMMC 2016, 29 September - 01 October 2016
- XXIII. **The Effects of Austempering and Induction Hardening on the wear properties of cam shaft made of ductile cast iron**
KARACA B., ŞİMŞİR M.
APMAS 2016, 1 - 03 June 2016
- XXIV. **Investigation of mechanical Properties of Fe C Ni Cu Mo B metal matrix composites by powder metallurgy for gear production**
GÜN T., ŞİMŞİR M.
APMAS 2016, 1 - 03 June 2016
- XXV. **Farklı Aşıluyıcıların Kam Mili Döküm Kalitesine Etkisinin İncelenmesi**
ŞİMŞİR M., Kirgezen H., Özaydın F.

IMSTEC'16, 6 - 08 April 2016

- XXVI. **Investigating the effect of testing parameters on adhesive wear using Taguchi method**
ŞİMŞİR M., SELÇUK B., ASLAN N.
Advances in Materials and Processing Technologies, 17 - 20 November 2014
- XXVII. **VORTEX DÖKÜM YÖNTEMİ İLE SİC TAKVİYELİ Al 7075 ALAŞIMMATRİSLİ KOMPOZİT KAM ÜRETİMİ**
Tuğçe Yasemin O., ŞİMŞİR M., Arslan Z., Aydın M., Bahadır K.
ULUSLAR ARASI KATILIMLI III. EGE KOMPOZİT MALZEMELER SEMPOZYUMU, Turkey, 5 - 07 November 2015, pp.628-640
- XXVIII. **TOZ METALURJİSİ YÖNTEMİ İLE KOMPOZİT KAM ÜRETİMİ VE KARAKTERİZASYONU**
Arslan Z., ŞİMŞİR M., Tuğçe Yasemin O., Bahadır K., Hülya A.
ULUSLAR ARASI KATILIMLI III. EGE KOMPOZİT MALZEMELER SEMPOZYUMU, Turkey, 5 - 07 November 2015, pp.599-609
- XXIX. **BALLISTIC PERFORMANCE OF KEVLAR49 UHMW PEHB26 HYBRID LAYERED COMPOSITE**
mert onur y., AVCI A., ŞİMŞİR M., AKDEMİR A.
ULUSLARARASI KATILIMLI 1. SAVUNMA SANAYİ SEMPOZYUMU, Turkey, 9 - 10 April 2015
- XXX. **16MnCr5 ÇELİĞİNDEN İMAL EDİLEN KAM MİLİNİN MİKROYAPISINA ISIL İŞLEMİN ETKİSİ**
halit S., ŞİMŞİR M., Bahadır K., Yıldırım E.
Second International Iron and Steel Symposium, 1 - 03 April 2015
- XXXI. **The microstructure and wear behaviour of sintered Astaloy 85Mo**
ÖKSÜZ K. E. , Gün T., ŞİMŞİR M.
High Performance and Optimum Design of Structures and Materials, Ostend, Belgium, 9 - 11 June 2014, vol.137
- XXXII. **Production of V-B Reinforced Fe Matrix Composites**
Öksüz K. E. , Çevik M., Ahmet Enbiya B., Özer A., Şimşir M.
ICMSMM 2014), XI International Conference on Materials Science, Metal and Manufacturing, Barcelona, Spain, 18 - 19 August 2014, vol.8, pp.704-708
- XXXIII. **CHARACTERIZATION AND MECHANICAL PROPERTIES OF PM Fe-Cu/SiCp ALLOYS**
Öksüz K. E. , Gün T., Şimşir M.
4th International Conference on Ultrafine Grained and Nano-Structured Materials (UFGNSM 2013), Tehran, Iran, 5 - 06 November 2013, vol.829, pp.73-75
- XXXIV. **Investigation of Mechanical Properties and Microstructure of AA2024 and AA7075**
Öksüz K. E. , Bağirov H., Şimşir M., Ceyhun K., Aykut Ö., Yusuf Ziya D., Hayrettin Utku B.
4th International Conference on Mechanical and Aerospace Engineering (ICMAE 2013), Moscow, Russia, 20 - 21 July 2013, vol.390, pp.547-551
- XXXV. **Caratterizzazione di Materiali Compositi a Matrice Metallica Fe Co e Rinforzo B4C Impregnati di Diamante**
Öksüz K. E. , Şimşir M., Şahin Y.
Diamante Applicazioni Tecnologia, Milan, Italy, 12 June - 12 September 2012, vol.18, pp.65-71
- XXXVI. **Wear behavior of diamond plus SiCp-reinforced metal matrix composite by Taguchi method**
Şahin Y., Öksüz K. E. , Şimşir M.
3rd International Conference on Manufacturing Science and Engineering (ICMSE 2012), Xiamen, China, 27 - 29 March 2012, pp.1309-1312
- XXXVII. **Characterization of Diamond Impregnated B4C Fe Co MMC**
Öksüz K. E. , Şimşir M., Şahin Y.
Euro PM 2011 Congress and Exhibition, Barcelona, Spain, 9 - 12 October 2011, vol.1, pp.247-253
- XXXVIII. **Toz Metalurjisi ile Üretilen ve Mermer Doğal Taş Kesmede Kullanılan Kesici Uçlara B4C İlavesinin Etkilerinin İncelenmesi**
Öksüz K. E. , Şimşir M., Şahin Y.
6. Uluslararası Toz Metalurjisi Konferansı ve Sergisi, (6IPMC), Ankara, Turkey, 5 - 09 October 2011, vol.1, pp.588-591
- XXXIX. **Wear Studies on Diamond Reinforced Fe Co Based Metal Matrix Composites**
Öksüz K. E. , Şimşir M., Şahin Y.

6th International Powder Metallurgy Conference and Exhibition (6IPMC), Ankara, Turkey, 5 - 09 October 2011, vol.1, pp.151-158

- XL. **Toz Metalurjisi Yöntemiyle Üretilen ve Mermer Doğal Taş Kesmede Kullanılan Kesici Uçlara B4C İlavesinin Etkilerinin İncelenmesi**
ÖKSÜZ K. E. , ŞİMŞİR M., ŞAHİN Y.
6th International Powder Metallurgy Conference & Exhibition, 5 - 09 October 2011, pp.588-591
- XLl. **Tribological Behavior of Diamond Reinforced Fe Co Composite by Taguchi Method**
Öksüz K. E. , Şimşir M., Şahin Y.
18th International Conference on Composite Materials, Jeju-Si, South Korea, 21 - 26 August 2011, vol.1, pp.1-6
- XLII. **AISI 4140 ve DIN 100Cr6 Çeliklerine Fiziksel Buhar Biriktirme Yöntemi Kullanılarak Yapılmış CrN Kaplamanın Karakterizasyonu**
ŞİMŞİR M., KUL M., Kara M., Çil G., Volkan H.
1.Uluslararası Yüze İşlemleri Sempozyumu, 15 - 18 June 2011, pp.736-745
- XLIII. **Investigation of the wear behavior of B4C reinforced Fe/Co matrix composites produced by hot press**
Şimşir M., Öksüz K. E. , Şahin Y.
11th International Conference on the Mechanical Behavior of Materials (ICM), Como, Italy, 01 January 2011, vol.10, pp.3195-3201
- XLIV. **Soğuma Hızının Çelik Takviyeli Dökme Demirin Ara Yüze Dayancı ve Mikroyapıya Etkisi**
ŞİMŞİR M., ÖKSÜZ K. E.
3.İsl İşlem Sempozyumu ve Sergisi, İstanbul, Turkey, 14 - 15 November 2009, pp.52-61

Supported Projects

Ülger Özbek D., Şimşir M., Pektaş A. N. , Çetintaş H. İ. , Demiralp M., Project Supported by Higher Education Institutions, Sivas Cumhuriyet Üniversitesi Kuyu Sularının ve Serpincik Göleti Suyunun Fiziksel, Kimyasal, Mikrobiyolojik ve Radyoaktif Özelliklerinin Araştırılması, 2021 - 2023

Demir İ., Şenadım Tüzemen E., Altuntaş İ., Şimşir M., Project Supported by Higher Education Institutions, Saçtırma ve Isısal Buharlaştırma Yöntemleriyle Metal Oksit Malzemelerin Elde Edilmesi ve Karakterizasyonu, 2019 - 2022

Özer A., Şimşir M., Uzunsoy D., Kul M., TUBITAK Project, Grafen Takviyeli CuCr1zr Matrisli Kompozitlerin Elektriksel, Termal Ve Mekanik Özelliklerinin İncelenmesi, 2017 - 2020

Sözmen F., Kul M., Şimşir M., Demir İ., Altuntaş İ., Öztürk O., Project Supported by Higher Education Institutions, Nanoteknoloji Mühendisliği Öğrencilerinin Nanoölçekli Malzemelerin Üretim ve Karakterizasyonu Alanlarında Aktif Çalışmalarının Akademik Gelişimlerine Etkisi RGD-017, 2018 - 2019

ŞİMŞİR M., Project Supported by Higher Education Institutions, Soket Üretiminde Metal Kaplı Elmasların Kullanımı Karakterizasyonu ve Mekanik Özelliklerinin İncelenmesi, 2016 - 2017

Scientific Consultations

ESTAŞ A. Ş., Scientific Consultancy, Sivas Cumhuriyet University, Mühendislik Fakültesi, Metalürji Mühendisliği, Turkey, 2020 - Continues

CESUR ELMAS , Project Consultancy, Sivas Cumhuriyet University, Mühendislik Fakültesi, Metalürji Mühendisliği, Turkey, 2020 - 2020

Citations

Total Citations (WOS):176

h-index (WOS):7