

AYKUT ÇANAKÇI

PROF.

Email : aykut@ktu.edu.tr

Office Phone : [+90 462 377 2927](tel:+904623772927)

Fax Phone : [+90 462 325 7405](tel:+904623257405)

Address : KTÜ METALURJİ VE MALZEME MÜHENDİSLİĞİ
BÖLÜMÜ

International Researcher IDs

ORCID: 0000-0001-5244-6467

Publons / Web Of Science ResearcherID: AAL-6544-2021

ScopusID: 22033879400

Yoksis Researcher ID: 109787



Learning Knowledge

Doctorate 1998 - 2006	Karadeniz Technical University, Mühendislik Fakültesi, Makine Mühendisliği, Turkey
Postgraduate 1994 - 1998	Karadeniz Technical University, Mühendislik Fakültesi, Makine Mühendisliği, Turkey
Undergraduate 1990 - 1994	Karadeniz Technical University, Mühendislik Fakültesi, Makine Mühendisliği, Turkey

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, AA2024 Matrisli B4C Parçacık Takviyeli Kompozitlerin Vorteks Yöntemiyle Üretimi ve Özelliklerinin İncelenmesi, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Makina Mühendisliği Böl. , 2006

Postgraduate, AA2014 Matrisli-B4C Parçacık Takviyeli Kompozit Üretimi ve Özelliklerinin İncelenmesi, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Makina Mühendisliği Böl./Malzeme Bilimleri, 1998

Postgraduate, Demir Karbon Alaşımlarında A1 ve A3 Dönüşüm Sıcaklıklarının Karbon Oranı ile Değişimin Dilatometrik olarak İncelenmesi , Karadeniz Technical University, Fizik Bölümü, Katı Hal, 1993

Academic Titles / Tasks

Professor 2019 - Continues	Karadeniz Technical University, Mühendislik Fakültesi, Metalurji ve Malzeme Mühendisliği
Associate Professor 2013 - 2019	Karadeniz Technical University, Mühendislik Fakültesi, Metalurji ve Malzeme Mühendisliği
Assistant Professor 2008 - 2013	Karadeniz Technical University, Mühendislik Fakültesi, Metalurji ve Malzeme Mühendisliği
Lecturer PhD 2007 - 2008	Karadeniz Technical University, Mühendislik Fakültesi, Metalurji ve Malzeme Mühendisliği
Research Assistant PhD 2006 - 2007	Duzce University, Orman Endüstri Mühendisliği Bölümü
Research Assistant 2000 - 2006	Karadeniz Technical University, Mühendislik Fakültesi, Metalurji ve Malzeme Mühendisliği
Research Assistant 1998 - 2000	Duzce University, Faculty Of Forest, Department Of Forestry Industrial Engineering
Research Assistant 1996 - 1998	Karadeniz Technical University, Mühendislik Fakültesi, Makine Mühendisliği

Supported Projects

- VAROL T., ÇANAKÇI A., DEVECİ H., YAZICI E. Y., ERDEMİR F., GÜLER O., AKÇAY S. B., AKSA H. C., ÇUVALCI H., Project Supported by Higher Education Institutions, Ti esaslı biyomalzeme atıklarından mekanik öğütme yöntemi ile yüksek katma değerli Ti tozlarının üretimi, 2022 - Continues
- ASLAN M., ÇUVALCI H., SAVAŞKAN YILMAZ S., ALVER Ü., TEMİZ A., GÜMRÜK R., BEYAZLI D., ÇANAKÇI A., USTAÖMER D., Project Supported by Higher Education Institutions, Geri dönüşüm plastiklerinden 3B yazıcı filamenti ile farklı disiplinlerde öğretim materyali tasarımı ve üretimi, 2022 - Continues
- SARI A., GÜLER O., KOCAMAN M., AKÇAY S. B., ÇAKIR E., ÇANAKÇI A., ALVER Ü., ÇUVALCI H., VAROL T., ASLAN M., et al., Project Supported by Higher Education Institutions, MetalGenleştirilmiş GrafitKarbonize edilmiş Polimer Köpük Kompozit Faz Değiştiren Malzemelerinin Isıl Enerji Depolama Amaçlı Geliştirilmesi, 2022 - Continues
- Çanakçı A., Çuvalcı H., Varol T., Alver Ü., Erdemir F., Aslan M., Sezer R., Karabacak A. H., Güler O., Yalçın E. D., et al., Project Supported by Higher Education Institutions, AA2024 CuNiCr Takviyeli Metal Matrisli Kompozitlerin Üretimi ve Özelliklerinin İncelenmesi , 2023 - 2025
- Erdemir F., Çanakçı A., Varol T., TUBITAK Project, High Performance and Low Cost Supercapacitor Application of Heterostructured Foam Based Electrodes Produced by Powder Metallurgy Method, 2023 - 2025
- Çanakçı A., Çuvalcı H., Gedikli H., Yılmaz A. H., Varol T., Erdemir F., Karabacak A. H., Tunç S. A., Başkan T., Meriç D., et al., Project Supported by Higher Education Institutions, Production and Characterization of New Generation Functional Composite Armor Plates with High Ballistic Resistance and Radiation Absorption Properties, 2022 - 2025
- Varol T., Alver Ü., Yıldız F., Erdemir F., Kaya M. F., Çanakçı A., TUBITAK Project, Seçici Lazer Ergitme Yöntemiyle

Proton Değişim Membranlı Su Elektrolizi Hücreleri İçin Geri Dönüşüm Temelli, Düşük Maliyetli Ve Yüksek Performanslı Sıvı/Gaz Difüzyon Plakaların Geliştirilmesi, 2022 - 2024

8. Varol T., Alemdağ Y., Pürçek G., Çanakçı A., Aksa H. C., Yanar H., Güler O., Akçay S. B., Erdemir F., Project Supported by Higher Education Institutions, Geleneksel ve Yenilikçi İmalat Yöntemleriyle Üretilen AlSi10Mg Otomotiv Alaşımının Yapısal Mekanik Tribolojik Özelliklerinin Karşılaştırmalı Olarak İncelenmesi, 2022 - 2024
9. Gedikli H., Alemdağ Y., Pürçek G., Sofuoğlu H., Öztürk B., Bacaksız E., Çanakçı A., Budur A. İ., Varol T., Aslan M., et al., Project Supported by Higher Education Institutions, Soğuk püskürtme eklemeli üretim sisteminin tasarımı imalatı ve ileri mühendislik ürünü parça imalatına yönelik uygulamalar için geliştirilmesi, 2021 - 2024
10. VAROL T., ÇUVALCI H., ALVER Ü., ÇANAKÇI A., ÖZKAYA S., GÜLER O., ÇELEBİ M., KARABACAK A. H., Project Supported by Higher Education Institutions, Bakır-Gümüş Alaşımlarının Akımsız Kaplama ve Sıcak Presleme Yöntemi ile Üretimi ve Karakterizasyonu, 2021 - 2023
11. VAROL T., ÇUVALCI H., BAYKAL S., DURAN C., ÇANAKÇI A., SARI A., ALTINTAŞ S. H., PÜRÇEK G., GEDİKLİ H., ÇUVALCI O., et al., Project Supported by Higher Education Institutions, Biyomedikal ve İleri Mühendislik Malzemelerinin Seçici Lazer Ergitme Yöntemi İle Üretimi, 2020 - 2023
12. ÇANAKÇI A., ÖZŞAHİN Ş., ÇUVALCI H., VAROL T., ERDEMİR F., ÖZKAYA S., KARABACAK A. H., ÇELEBİ M., Project Supported by Higher Education Institutions, AA2024 esaslı Nanopartikül Takviyeli Hibrit kompozit Yatak Malzemelerinin Üretimi ve Tribolojik Özelliklerinin İncelenmesi, 2019 - 2023
13. ÇANAKÇI A., ÇANAKÇI S., CANPOLAT Ö., ÇUVALCI H., Project Supported by Higher Education Institutions, Al203 ve Hidroksiapatit Takviyeli 316L Paslanmaz Çelik Matrisli Kompozit ve Fonksiyonel Derecelendirilmiş Malzemelerin Üretimi ve Özelliklerinin İncelenmesi, 2019 - 2023
14. Çanakçı A., Çuvalcı H., Canpolat Ö., Çanakçı S., Project Supported by Higher Education Institutions, Al203 ve Hidroksiapatit Takviyeli 316L Paslanmaz Çelik Matrisli Kompozit ve Fonksiyonel Derecelendirilmiş Malzemelerin Üretimi ve Özelliklerinin İncelenmesi, 2019 - 2023
15. VAROL T., ÇUVALCI H., ÇANAKÇI A., GEDİKLİ H., ERDEMİR F., ÖZKAYA S., ÇELEBİ M., KARABACAK A. H., ÖZŞAHİN Ş., Project Supported by Higher Education Institutions, Yapay Sinir Ağı Yöntemi ile Metalik Köpük Esaslı ve Fonksiyonel Kompozit Personel Zırhlama Plakalarının Geliştirilmesi, 2020 - 2022
16. ÇANAKÇI A., ÖZKAYA S., ÇUVALCI H., ÇANAKÇI S., Project Supported by Higher Education Institutions, Hidroksiapatit Matrisli Gümüş ve Karbon Nanotüp Takviyeli Biyokompozitlerin Üretimi ve Karakterizasyonu, 2018 - 2022
17. ÇANAKÇI A., ÇELEBİ M., ÇUVALCI H., VAROL T., ERDEMİR F., ÖZKAYA S., Project Supported by Higher Education Institutions, Zn40Al2Cu/B4C/Grafen Hibrit Kompozit Yatak Malzemelerinin Üretimi ve Tribolojik Özelliklerinin İncelenmesi, 2018 - 2020
18. VAROL T., ÇANAKÇI A., Project Supported by Higher Education Institutions, İki katmanlı CuAgCuNi Elektrik Kontak Malzemesinin Toz Metalurjisi Yöntemi ile Üretimi, 2017 - 2020
19. ÇANAKÇI A., ÖZTÜRK M., TUBITAK Project, Nano Ölçekli Bor Mineralleriyle Zenginleştirilmiş İlık Karışım Asfaltın Reolojik Performansının Araştırılması Ve Dijital Görüntüleme Yöntemi İle Analizi, 2016 - 2018
20. SARI A., ÇUVALCI H., ÇANAKÇI A., ERDEMİR F., VAROL T., Project Supported by Higher Education Institutions, Kapsüllenmiş Faz Değişim Malzemeleri Üretimi Karakterizasyonu ve DSC Analiz Tekniği ile Enerji Depolama Özelliklerinin Belirlenmesi, 2016 - 2017
21. ALVER Ü., DUMAN M. S., ÇUVALCI H., ÇANAKÇI A., ASLAN M., AKPINAR M. V., OKUMUŞ H. İ., YILDIRIM İ., DENİZ İ., BELDÜZ A. O., et al., Project Supported by Higher Education Institutions, ZIRHLI YELEKLER İÇİN FONKSİYONEL DERECELENDİRİLMİŞ HİBRİT NANOKOMPOZİT MALZEMELERİN ÜRETİMİ VE ÖZELLİKLERİNİN İNCELENMESİ, 2015 - 2016
22. ÇUVALCI H., ALVER Ü., ÇANAKÇI A., ASLAN M., Project Supported by Higher Education Institutions, ZA27/B4C(nanoparçacık)-Grafen(nanolevha) Hibrit Nanokompozit Yatak Malzemelerinin Üretimi ve Tribolojik Özelliklerinin İncelenmesi, 2015 - 2016
23. Öztürk A., Çanakçı A., Varol T., TUBITAK Project, Nano Partikül Takviyeli Fonksiyonel Derecelendirilmiş Yeni Elektrik Kontak Malzemelerinin Üretimi Ve Karakterizasyonu, 2014 - 2016

Published journal articles indexed by SCI, SSCI, and AHCI

- 1. Determination of nano-graphene content for improved mechanical and tribological performance of Zn-based alloy matrix hybrid nanocomposites**
ÇANAKÇI A., ÇELEBİ M.
Journal of Alloys and Compounds, vol.1001, 2024 (SCI-Expanded)
- 2. Prediction of effect of fabrication parameters on the properties of B4C ceramic particle reinforced AA2024 matrix nanocomposites using neural networks**
Varol T., Çanakçı A., Özşahin Ş., Beder M., Akçay S. B.
Materials Today Communications, vol.39, 2024 (SCI-Expanded)
- 3. Pre-hardening water quenching effect on the wear resistance of TiCN coated 4140 steels**
YALÇIN E. D., GÜLER O., KARABACAK A. H., ÇANAKÇI A., VAROL T., KOCAMAN M., ÇELEBİ M., AKÇAY S. B.
SURFACE & COATINGS TECHNOLOGY, vol.480, 2024 (SCI-Expanded)
- 4. Synthesis of hydroxyapatite matrix Ag and CNT particle reinforced hybrid biocomposites with improved mechanical and antibacterial properties**
ÖZKAYA S., ÇANAKÇI A., KARABACAK A. H., ÇELEBİ M., ÇANAKÇI S., CEYLAN E.
International Journal of Materials Research, vol.115, no.3, pp.190-201, 2024 (SCI-Expanded)
- 5. Effect of different PCA types on morphology, physical, thermal and mechanical properties of AA2024-B4C composites**
TUNÇ S. A., ÇANAKÇI A., KARABACAK A. H., ÇELEBİ M., Turkmen M.
POWDER TECHNOLOGY, vol.434, 2024 (SCI-Expanded)
- 6. A Study on the Optimization of Nano-B4C Content for the Best Wear and Corrosion Properties of the Al-Based Hybrid Nanocomposites**
ÇANAKÇI A., KARABACAK A. H., ÇELEBİ M., ÖZKAYA S., Arpacı K. A.
Arabian Journal for Science and Engineering, 2024 (SCI-Expanded)
- 7. A study on the improvement of wear and corrosion properties of ZA40/Graphene/B4C hybrid nanocomposites**
Çelebi M., Çanakçı A., Güler O., Karabacak H., Akgül B., Özkaya S.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.966, 2023 (SCI-Expanded)
- 8. The effect of novel advanced method on the properties of novolac hybrid nanocomposites reinforced with carbon nanotube and glass fiber**
Kocaman M., Çuvalcı H., Çanakçı A.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.140, no.36, 2023 (SCI-Expanded)
- 9. The effect of advanced electrodeposited Ni-P-Cu coatings obtained with scrap cu plates on the tribological performance of Al powder metallurgy products**
Güler O., Çelebi M., Karabacak A. H., Çanakçı A.
SURFACE & COATINGS TECHNOLOGY, vol.468, 2023 (SCI-Expanded)
- 10. Study on Effect of Milling Time on the Mechanical and Wear Properties of the ZA40-B4C-Graphene Hybrid Nanocomposites Fabricated by Vacuum Hot-Pressing**
Çelebi M., Çanakçı A., Güler O., Akgül B., Karabacak A. H.
JOM, vol.75, no.9, pp.3935-3950, 2023 (SCI-Expanded)
- 11. The effects of different types and ratios of reinforcement, and machining processes on the machinability of Al2024 alloy nanocomposites**
Karabacak A. H., Çanakçı A., Özkaya S., Tunç S. A., Çevik Z. A., Yalçın E. D.
JOURNAL OF COMPOSITE MATERIALS, vol.57, no.18, pp.2811-2827, 2023 (SCI-Expanded)
- 12. Effect of ball mill time and wet pre-milling on the fabrication of Ti powders by recycling Ti machining chips by planetary milling**
Çuvalcı O., Varol T., Akçay S. B., Güler O., Çanakçı A.
POWDER TECHNOLOGY, vol.426, 2023 (SCI-Expanded)
- 13. Production of Al2024/h-BN nanocomposites with improved corrosion, wear and mechanical properties**

Karabacak A. H., Çanakçı A., Çelebi M., Güler O., Tunç S. A., Arpacı K. A.

Materials Chemistry and Physics, vol.300, 2023 (SCI-Expanded)

14. **The effect of boron nitride (h-BN) and silicon carbide (SiC) on the microstructure and wear behavior of ZA40/SiC/h-BN hybrid composites processed by hot pressing**
YALÇIN E. D., ÇANAKÇI A., ÇUVALCI H., VAROL T., KARABACAK A. H.
KOVVOVE MATERIALY-METALLIC MATERIALS, vol.61, no.4, pp.257-266, 2023 (SCI-Expanded)
15. **SS316L/Al₂O₃ functionally graded material for potential biomedical applications**
Canpolat Ö., Çanakçı A., Erdemir F.
Materials Chemistry and Physics, vol.293, 2023 (SCI-Expanded)
16. **Effect of fuel type on pseudocapacitance behaviour of CuO nanoparticles synthesized by solution combustion method**
BİLGİN S., ALVER Ü., ERDEMİR F., ÇANAKÇI A.
BULLETIN OF MATERIALS SCIENCE, vol.45, no.4, 2022 (SCI-Expanded)
17. **Investigation of Microstructure, Hardness and Wear Properties of Hybrid Nanocomposites with Al₂O₃ Matrix and Low Contents of B₄C and h-BN Nanoparticles Produced by Mechanical Milling Assisted Hot Pressing**
ÇELEBİ M., ÇANAKÇI A., GÜLER O., ÖZKAYA S., KARABACAK A. H., Arpacı K. A.
JOM, vol.74, no.11, pp.4449-4461, 2022 (SCI-Expanded)
18. **Corrosion and Mechanical Properties of Novel AA2024 Matrix Hybrid Nanocomposites Reinforced with B₄C and SiC Particles**
KARABACAK A. H., ÇANAKÇI A., ERDEMİR F., ÖZKAYA S., ÇELEBİ M.
SILICON, vol.14, no.14, pp.8567-8579, 2022 (SCI-Expanded)
19. **Evaluation of microstructure, mechanical, and corrosion properties of SS316L/Al₂O₃ composites produced by hot pressing**
CANPOLAT Ö., ÇANAKÇI A., ERDEMİR F.
MATERIALS CHEMISTRY AND PHYSICS, vol.280, 2022 (SCI-Expanded)
20. **Electroless nickel-phosphorus coated expanded graphite paper: Binder-free, ultra-thin, and low-cost electrodes for high-performance supercapacitors**
ERDEMİR F., GÜLER O., Canakc A.
JOURNAL OF ENERGY STORAGE, vol.44, 2021 (SCI-Expanded)
21. **The effect of nanoparticle content on the microstructure and mechanical properties of ZA27-Al₂O₃-Gr hybrid nanocomposites produced by powder metallurgy**
ÇELEBİ M., GÜLER O., ÇANAKÇI A., ÇUVALCI H.
JOURNAL OF COMPOSITE MATERIALS, vol.55, no.24, pp.3395-3408, 2021 (SCI-Expanded)
22. **The effect of machining processes on the physical and surface characteristics of AA2024-B₄C-SiC hybrid nanocomposites fabricated by hot pressing method**
Cevik Z. A., KARABACAK A. H., Kok M., ÇANAKÇI A., Kumar S. S., VAROL T.
JOURNAL OF COMPOSITE MATERIALS, vol.55, no.19, pp.2657-2671, 2021 (SCI-Expanded)
23. **Effect of TiN, TiAlCN, AlCrN, and AlTiN ceramic coatings on corrosion behavior of tungsten carbide tool**
Bilgin S., Güler O., Alver Ü., Erdemir F., Aslan M., Çanakçı A.
JOURNAL OF THE AUSTRALIAN CERAMIC SOCIETY, vol.57, no.1, pp.263-273, 2021 (SCI-Expanded)
24. **Influence of fluorine doping of zinc oxide on its electrochemical performance in supercapacitors**
ERDEMİR F., Tuzcu E., BİLGİN S., ALVER Ü., ÇANAKÇI A.
MATERIALS CHEMISTRY AND PHYSICS, vol.259, 2021 (SCI-Expanded)
25. **Effects of Fe-Al intermetallic compounds on the wear and corrosion performances of AA2024/316L SS metal/metal composites**
ÇANAKÇI A., ÖZKAYA S., ERDEMİR F., KARABACAK A. H., ÇELEBİ M.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.845, 2020 (SCI-Expanded)
26. **Effect of the usage of Er,Cr:YSGG laser with and without different remineralization agents on the enamel erosion of primary teeth**

- Yilmaz N., Baltaci E., Baygin Ö., Tüzüner T., Ozkaya S., Canakci A.
LASERS IN MEDICAL SCIENCE, vol.35, no.7, pp.1607-1620, 2020 (SCI-Expanded)
27. **Novel ZA27/B4C/Graphite Hybrid Nanocomposite-Bearing Materials with Enhanced Wear and Corrosion Resistance**
GÜLER O., ÇELEBİ M., Dalmış R., ÇANAKÇI A., ÇUVALCI H.
METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE, vol.51, no.9, pp.4632-4646, 2020 (SCI-Expanded)
28. **Effect of Al₂O₃ content and milling time on the properties of silver coated Cu matrix composites fabricated by electroless plating and hot pressing**
Güler O., Varol T., Alver E., Çanakçı A.
MATERIALS TODAY COMMUNICATIONS, vol.24, 2020 (SCI-Expanded)
29. **Effect of different reinforcement on the microstructure and mechanical properties of AA2024-based metal matrix nanocomposites**
KARABACAK A. H., Çanakçı A., ERDEMİR F., ÖZKAYA S., ÇELEBİ M.
INTERNATIONAL JOURNAL OF MATERIALS RESEARCH, vol.111, no.5, pp.416-423, 2020 (SCI-Expanded)
30. **Synthesis of SiC nanoparticles by central composite design response surface methodology directed mechanical milling**
ERDEMİR F., VAROL T., ÇANAKÇI A.
MICRO & NANO LETTERS, vol.15, no.3, pp.187-190, 2020 (SCI-Expanded)
31. **Investigating the surface integrity of aluminium based composites machined by EDM**
KUMAR S. S., UTHAYAKUMAR M., KUMARAN S. T., VAROL T., ÇANAKÇI A.
DEFENCE TECHNOLOGY, vol.15, no.3, pp.338-343, 2019 (SCI-Expanded)
32. **The effect of flake-like morphology on the coating properties of silver coated copper particles fabricated by electroless plating**
GÜLER O., VAROL T., ALVER Ü., ÇANAKÇI A.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.782, pp.679-688, 2019 (SCI-Expanded)
33. **Enhancement of Wear and Corrosion Resistance of ZA27/Nanographene Composites Produced by Powder Metallurgy**
YALÇIN E. D., ÇANAKÇI A., ERDEMİR F., ÇUVALCI H., KARABACAK A. H.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.44, no.2, pp.1437-1445, 2019 (SCI-Expanded)
34. **Prediction of effect of reinforcement content, flake size and flake time on the density and hardness of flake AA2024-SiC nanocomposites using neural networks**
VAROL T., ÇANAKÇI A., ÖZŞAHİN Ş.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.739, pp.1005-1014, 2018 (SCI-Expanded)
35. **The Effect of Mechanical Milling on Graphite-Boron Carbide Hybrid Reinforced ZA27 Nanocomposites**
Dalmis R., ÇUVALCI H., ÇANAKÇI A., GÜLER O., Celik E.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.43, no.3, pp.1113-1124, 2018 (SCI-Expanded)
36. **Tribological behavior of ZA27/Al₂O₃/graphite hybrid nanocomposites**
GÜLER O., ÇUVALCI H., GÖKDAĞ M., ÇANAKÇI A., ÇELEBİ M.
PARTICULATE SCIENCE AND TECHNOLOGY, vol.36, no.7, pp.899-907, 2018 (SCI-Expanded)
37. **Artificial neural network-based prediction technique for coating thickness in Fe-Al coatings fabricated by mechanical milling**
VAROL T., ÇANAKÇI A., ÖZŞAHİN Ş., ERDEMİR F., ÖZKAYA S.
PARTICULATE SCIENCE AND TECHNOLOGY, vol.36, no.6, pp.742-750, 2018 (SCI-Expanded)
38. **Determining the effect of flake matrix size and Al₂O₃ content on microstructure and mechanical properties of Al₂O₃ nanoparticle reinforced Al matrix composites**
VAROL T., ÇANAKÇI A., ÖZKAYA S., ERDEMİR F.
PARTICULATE SCIENCE AND TECHNOLOGY, vol.36, no.3, pp.312-323, 2018 (SCI-Expanded)
39. **Effect of nano-sized B4C addition on the mechanical properties of ZA27 composites**
Dalmış R., ÇUVALCI H., CANAKCI A., GÜLER O.

JOURNAL OF WUHAN UNIVERSITY OF TECHNOLOGY-MATERIALS SCIENCE EDITION, vol.32, no.4, pp.747-752, 2017 (SCI-Expanded)

40. **Fabrication of NanoSiC-Reinforced Al₂O₃ Matrix Composites by a Novel Production Method**
VAROL T., ÇANAKÇI A., YALÇIN E. D.
Arabian Journal for Science and Engineering, vol.42, no.5, pp.1751-1764, 2017 (SCI-Expanded)
41. **An investigation on wear behavior of Cu-graphite nanocomposites prepared by flake powder metallurgy**
VAROL T., ÇANAKÇI A.
INDUSTRIAL LUBRICATION AND TRIBOLOGY, vol.69, no.1, pp.8-14, 2017 (SCI-Expanded)
42. **THE EFFECT OF FLAKE MICROSTRUCTURE ON THE PREPARATION AND PROPERTIES OF Cu-GRAPHITE SINTERED NANOCOMPOSITES**
VAROL T., ÇANAKÇI A.
POWDER METALLURGY AND METAL CERAMICS, no.55, pp.426-436, 2016 (SCI-Expanded)
43. **Fabrication of NanoSiC-Reinforced Al₂O₃ Matrix Composites by a Novel Production Method**
VAROL T., ÇANAKÇI A., YALÇIN E. D.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, no.10, pp.1-10, 2016 (SCI-Expanded)
44. **The effect of type and ratio of reinforcement on the synthesis and characterization Cu-based nanocomposites by flake powder metallurgy**
VAROL T., ÇANAKÇI A.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.649, pp.1066-1074, 2015 (SCI-Expanded)
45. **Corrosion and wear behavior of functionally graded Al₂O₃/SiC composites produced by hot pressing and consolidation**
ERDEMİR F., ÇANAKÇI A., VAROL T., ÖZKAYA S.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.644, pp.589-596, 2015 (SCI-Expanded)
46. **Development and characterization of bronze-Cr-Ni composites produced by powder metallurgy**
ÇANAKÇI A., VAROL T., ÇUVALCI H., ERDEMİR F., ÖZKAYA S.
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Academic and Administrative Experience

2013 - Continues	Manager of Research and Application Center	Karadeniz Technical University, Ktü Malzeme Bilimleri Ve Üretim Teknolojisi Uygulama Ve Araştırma Merkezi Müdürlüğü, Metalurji Ve Malzeme Mühendisliği
2010 - 2011	Deputy Head of Department	Karadeniz Technical University, Mühendislik Fakültesi/Metalurji Ve Malzeme Mühendisliği Bölümü, Metalurji Ve Malzeme Mühendisliği Bölümü

Courses

YÜKSEK LİSANS TEZİ, Postgraduate, 2017 - 2018
METALURJİ VE MALZEME LAB. II, Undergraduate, 2017 - 2018
MÜHENDİSLİK TASARIM, Undergraduate, 2017 - 2018
DOKTORA TEZİ , Doctorate, 2017 - 2018
BİYOMALZEMELERE GİRİŞ, Undergraduate, 2016 - 2017

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ÇANAKÇI A., Al2024-316L Metal-Metal Matrisli Kompozitlerin Üretimi Ve Özelliklerinin İncelenmesi, Postgraduate, M.ÇAĞLAR(Student), 2018
ÇANAKÇI A., ZA27/Grafen/B4C Nanokompozitlerin Toz Metalurjisi Yöntemi ile Üretilmesi ve Özelliklerinin İncelenmesi, Doctorate, E.DENİZ(Student), 2018
ÇANAKÇI A., Al2024/B4C/SiC Nanokompozit ve Hibrit Kompozitlerin Üretimi ve Özelliklerinin İncelenmesi, Postgraduate, A.HASAN(Student), 2018
ÇANAKÇI A., ZA27/Grafit/Al2O3 Hibrit Nanokompozitlerin Üretilmesi ve Özelliklerinin İncelenmesi, Postgraduate, M.ÇELEBİ(Student), 2016
ÇANAKÇI A., Nano Partikül Takviyeli Bakır Esaslı Fonksiyonel Derecelendirilmiş Elektrik Kontak Malzemelerinin Üretimi ve Karakterizasyonu, Doctorate, T.VAROL(Student), 2016
ÇANAKÇI A., Fonksiyonel Derecelendirilmiş Al2024/SiC Kompozitlerin Üretimi ve Karakterizasyonu, Doctorate, F.ERDEMİR(Student), 2016
ÇANAKÇI A., AA2024-B4C Kompozitlerin Özelliklerine Yaşlandırma Parametrelerinin Etkisi, Postgraduate, A.PATIR(Student), 2014
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ÇANAKÇI A., Alüminyum Matrisli Al203 Parçacık Takviyeli Kompozitlerin Mekanik Alaşımlama Yöntemi ile Üretimi, Postgraduate, Ş.ERTOK(Student), 2011

Activities in Scientific Journals

Universal Journal of Materials Science , Editor, 2013 - Continues

Scientific Refereeing

Universal Journal of Materials Science , Other Indexed Journal, March 2013
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Powder Technology , SCI Journal, May 2010

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Metrics

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Research Areas

Metallurgical and Materials Engineering, Material science and engineering, Ceramic Materials, Mechanical Properties, Corrosion and Corrosion Protection, Nondestructive Testing, Composites, Biomaterials, Thermal Treatment, Material Characterization, Metallic Materials, Nanomaterials, Production Metallurgy, Principles of Foundry Technology, Powder Metallurgy, Engineering and Technology

Non Academic Experience

Karadeniz Teknik Üniversitesi