

## Assoc. Prof. FATİH ERDEMİR

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Makine Mühendisliği, Turkey 2011 - 2016

Postgraduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Metalurji Ve Malzeme Mühendisliği, Turkey 2009 - 2011

Undergraduate, Eskisehir Osmangazi University, Mühendislik Mimarlık Fakültesi, Metalurji Ve Malzeme Mühendisliği, Turkey 2002 - 2006

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Fonksiyonel Derecelendirilmiş Al2O3/SiC Kompozitlerinin Üretimi ve Karakterizasyonu, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Makina Mühendisliği, 2016

Postgraduate, Hızlı Katılaştırma Yöntemi ile Üretilmiş Nikel-Bakır (Monel 400) Alaşım Tozların Presleme ve Sinterleme Parametrelerinin İncelenmesi, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Metalurji Ve Malzeme Mühendisliği, 2011

### Research Areas

Metallurgical and Materials Engineering, Engineering and Technology

### Academic Titles / Tasks

Associate Professor, Karadeniz Technical University, Mühendislik Fakültesi, Metalurji ve Malzeme Mühendisliği, 2020 - Continues

Assistant Professor, Karadeniz Technical University, Mühendislik Fakültesi, Metalurji ve Malzeme Mühendisliği, 2018 - 2020

Assistant Professor, Karadeniz Technical University, Mühendislik Fakültesi, Metalurji ve Malzeme Mühendisliği, 2016 -

**Published journal articles indexed by SCI, SSCI, and AHCI**

- I. **Development of Highly Sensitive Voltammetric Methods for the Determination of Antihistamine Drug Cetirizine Using A Poly(Bromocresol Purple) Film-Based Electrochemical Sensor**  
Sofu U., ÖZTÜRK G., REİS H. A., ERDEMİR F., KUL D.  
ANALYTICAL LETTERS, 2024 (SCI-Expanded)
- II. **Evolution of Morphology, Particle Size and Oxidation Resistance of Recycled Ti-6Al-4V Powders Prepared by Planetary Ball Milling**  
VAROL T., Ömür F. D., AKÇAY S. B., GÜLER O., ERDEMİR F.  
Arabian Journal for Science and Engineering, 2024 (SCI-Expanded)
- III. **Experimental analysis of anodic coating process parameters of Al 5754 alloy by response surface method**  
Celik I., ERDEMİR F., Coruhlu I.  
SURFACE TOPOGRAPHY-METROLOGY AND PROPERTIES, vol.11, no.2, 2023 (SCI-Expanded)
- IV. **SS316L/Al2O3 functionally graded material for potential biomedical applications**  
Canpolat Ö., Çanakçı A., Erdemir F.  
Materials Chemistry and Physics, vol.293, 2023 (SCI-Expanded)
- V. **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)
- VI. **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)
- VII. **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)
- VIII. **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)
- IX. **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)
- X. **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)
- XI. **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.  
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- XII. **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)
- XIII. **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)
- XIV. **Effect of Operating Light Exposure on Enamel Bonding Performances of Universal Adhesives**  
Ayar M. K., ERDEMİR F.  
MATERIALS SCIENCE-MEDZIAGOTYRA, vol.26, no.3, pp.352-357, 2020 (SCI-Expanded)
- XV. **Effect of nano alumina content on corrosion behavior and microstructure of Zn27/graphite/alumina hybrid nanocomposites**  
GÜLER O., ERDEMİR F., ÇELEBİ M., Cuvalc H., Canak A.  
RESULTS IN PHYSICS, vol.15, 2019 (SCI-Expanded)
- XVI. **Repair of aged bulk-fill composite with posterior composite: Effect of different surface treatments**  
Ayar M. K., Guven M. E., BURDUROĞLU H. D., ERDEMİR F.  
JOURNAL OF ESTHETIC AND RESTORATIVE DENTISTRY, vol.31, no.3, pp.246-252, 2019 (SCI-Expanded)
- XVII. **Enhancement of Wear and Corrosion Resistance of Zn27/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)
- XVIII. **Determining the effect of flake matrix size and Al<sub>2</sub>O<sub>3</sub> content on microstructure and mechanical properties of Al<sub>2</sub>O<sub>3</sub> 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)
- XIX. **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)
- XX. **Study on particle size and X-ray peak area ratios in high energy ball milling and optimization of the milling parameters using response surface method**  
ERDEMİR F.  
Measurement: Journal of the International Measurement Confederation, vol.112, pp.53-60, 2017 (SCI-Expanded)
- XXI. **Bonding performance of universal adhesives to er,cr:YSGG laser-irradiated enamel**  
Ayar M. K., ERDEMİR F.  
Microscopy Research and Technique, vol.80, no.4, pp.387-393, 2017 (SCI-Expanded)
- XXII. **Paste backfill of high-sulphide mill tailings using alkali-activated blast furnace slag: Effect of activator nature, concentration and slag properties**  
CİHANGİR F., ERÇIKDI B., KESİMAL A., DEVECİ H., ERDEMİR F.  
MINERALS ENGINEERING, vol.83, pp.117-127, 2015 (SCI-Expanded)
- XXIII. **Corrosion and wear behavior of functionally graded Al<sub>2</sub>O<sub>3</sub>/SiC composites produced by hot pressing and consolidation**  
ERDEMİR F., ÇANAKÇI A., VAROL T., ÖZKAYA S.  
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- XXIV. **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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- XXV. **Synthesis and characterization of hybrid nanocomposite powders via mechanical alloying**  
ÇANAKÇI A., VAROL T., ÇUVALCI H., ERDEMİR F., ÖZKAYA S.  
REVISTA ROMANA DE MATERIALE-ROMANIAN JOURNAL OF MATERIALS, vol.45, no.1, pp.67-72, 2015 (SCI-Expanded)
- XXVI. **New Coating Technique for Al-B<sub>4</sub>C Composite Coatings by Mechanical Milling and Composite Coating**  
ÇANAKÇI A., VAROL T., ERDEMİR F., ÖZKAYA S.

- POWDER METALLURGY AND METAL CERAMICS, vol.53, no.11-12, pp.672-679, 2015 (SCI-Expanded)
- XXVII. **NEW COATING TECHNIQUE FOR Al-B<sub>4</sub>C COMPOSITE COATINGS BY MECHANICAL MILLING AND COMPOSITE COATING**  
ÇANAKÇI A., VAROL T., ERDEMİR F., ÖZKAYA S.  
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- XXVIII. **Synthesis and Characterization of Hybrid Nanocomposite powders via Mechanical Alloying**  
ÇANAKÇI A., VAROL T., ÇUVALCI H., ERDEMİR F., ÖZKAYA S.  
REVISTA ROMANA DE MATERIALE-ROMANIAN JOURNAL OF MATERIALS, no.45, pp.67-72, 2015 (SCI-Expanded)
- XXIX. **SYNTHESIS AND CHARACTERIZATION OF HYBRID NANOCOMPOSITE POWDERS VIA MECHANICAL ALLOYING**  
ÇANAKÇI A., VAROL T., ÇUVALCI H., ERDEMİR F., ÖZKAYA S.  
REVISTA ROMANA DE MATERIALE-ROMANIAN JOURNAL OF MATERIALS, vol.45, no.1, pp.67-72, 2015 (SCI-Expanded)
- XXX. **Effects of a new pre-milling coating process on the formation and properties of an Fe-Al intermetallic coating**  
ÇANAKÇI A., ERDEMİR F., VAROL T., Dalmis R., ÖZKAYA S.  
POWDER TECHNOLOGY, vol.268, pp.110-117, 2014 (SCI-Expanded)
- XXXI. **Effect of process parameters on the formation of Fe-Al intermetallic coating fabricated by mechanical alloying**  
ÇANAKÇI A., ERDEMİR F., VAROL T., ÖZKAYA S.  
INDIAN JOURNAL OF ENGINEERING AND MATERIALS SCIENCES, vol.21, no.6, pp.595-600, 2014 (SCI-Expanded)
- XXXII. **Microstructure and Abrasive Wear Behavior of CuSn<sub>10</sub>-Graphite Composites Produced by Powder Metallurgy**  
ÇANAKÇI A., ÇUVALCI H., VAROL T., ERDEMİR F., ÖZKAYA S., YALÇIN E. D.  
POWDER METALLURGY AND METAL CERAMICS, vol.53, pp.275-287, 2014 (SCI-Expanded)
- XXXIII. **Microstructure and properties of Fe-Al intermetallic coatings on the low carbon steel synthesized by mechanical alloying**  
ÇANAKÇI A., VAROL T., ERDEMİR F., ÖZKAYA S., Mindivan H.  
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.73, pp.849-858, 2014 (SCI-Expanded)
- XXXIV. **Synthesis of novel CuSn<sub>10</sub>-graphite nanocomposite powders by mechanical alloying**  
ÇANAKÇI A., VAROL T., ÇUVALCI H., ERDEMİR F., ÖZKAYA S., YALÇIN E. D.  
MICRO & NANO LETTERS, vol.9, no.2, pp.109-112, 2014 (SCI-Expanded)
- XXXV. **Determining the effect of process parameters on particle size in mechanical milling using the Taguchi method: Measurement and analysis**  
ÇANAKÇI A., ERDEMİR F., VAROL T., Patir A.  
MEASUREMENT, vol.46, no.9, pp.3532-3540, 2013 (SCI-Expanded)
- XXXVI. **Formation of Fe-Al intermetallic coating on low-carbon steel by a novel mechanical alloying technique**  
ÇANAKÇI A., ERDEMİR F., VAROL T., ÖZKAYA S.  
POWDER TECHNOLOGY, vol.247, pp.24-29, 2013 (SCI-Expanded)
- XXXVII. **Production of rapidly solidified Cu-Sn ribbons by water jet cooled rotating disc method**  
ÖZTÜRK S., ÖZTÜRK B., ERDEMİR F., USTA G.  
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, vol.211, no.11, pp.1817-1823, 2011 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Wear and Mechanical Behavior of ZA27 Alloy Reinforced with B<sub>4</sub>C Produced by Powder Metallurgy Method**  
Yalçın E. D., Çanakçı A., Erdemir F.

GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.35, no.4, pp.1572-1583, 2022 (ESCI)

- II. **Investigation of WEDM process parameters of Al-SiC-B4C composites using response surface methodology**  
Suresh K. S., ERDEMİR F., VAROL T., Kumaran S t., Uthayakumar M., ÇANAKÇI A.  
International Journal of Lightweight Materials and Manufacture, vol.3, no.2, pp.127-135, 2020 (Scopus)
- III. **Investigation of WEDM process parameters of Al-SiC-B4C composites using response surface methodology**  
Kumar S. S., ERDEMİR F., VAROL T., Thirumalai K. S., Uthayakumar M., ÇANAKÇI A.  
International Journal of Lightweight Materials and Manufacture, vol.3, no.2, pp.127-135, 2020 (Scopus)
- IV. **The effects of cavity disinfection on the nanoleakage of compomer restorations: an in vitro study**  
Arslan I., Baygın Ö., Tüzüner T., Erdemir F., Çanakçı A., Korkmaz F. M.  
EUROPEAN ORAL RESEARCH, vol.54, pp.16-24, 2020 (ESCI)
- V. **The influence of process parameters on the formation of Al coating on steel by planetary ball-milling**  
ERDEMİR F.  
Eskişehir Technical University Journal of Science and Technology-A Applied Sciences and Engineering, vol.19, no.3, pp.748-755, 2018 (Peer-Reviewed Journal)
- VI. **Determination of Effect of B4C Content on Density and Tensile Strength of AA7075/ B4C Composite Produced via Powder Technology**  
Nazik C., Tarakçıoğlu N., ÖZKAYA S., ERDEMİR F., ÇANAKÇI A.  
International Journal of Materials, Mechanics and Manufacturing, vol.4, no.4, pp.251-254, 2015 (Peer-Reviewed Journal)
- VII. **Microstructure and Properties of Al-B4C Functionally Graded Materials Produced by Powder Metallurgy Method**  
ÇANAKÇI A., VAROL T., ÖZKAYA S., ERDEMİR F.  
Universal Journal of Materials Science, vol.2, pp.90-95, 2014 (Peer-Reviewed Journal)
- VIII. **Syntesis of Al-B4C composite coating on low carbon steel by mechanical alloying method**  
ÇANAKÇI A., ERDEMİR F., VAROL T., ÖZKAYA S., Dalmış R.  
Usak University Journal of Material Sciences, no.1, pp.15-22, 2014 (Peer-Reviewed Journal)
- IX. **Microstructure and Properties of Al-B4C Functionally Graded Materials Produced by Powder Metallurgy Method**  
ÇANAKÇI A., VAROL T., ÖZKAYA S., ERDEMİR F.  
Universal Journal of Materials Science, no.5, pp.90-95, 2014 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Evaluation of Wear Behavior of Al2024 Alloy Produced via Powder Metallurgy Using the Taguchi Method**  
AKÇAY S. B., VAROL T., ERDEMİR F., KOCAMAN M.  
Proceeding Book of 3rd International Conference on Contemporary Academic Research ICCAR 2024, Konya, Turkey, 10 - 11 November 2024, pp.232-239
- II. **Microstructure and Mechanical Properties of Al2024-SiC Nanocomposites**  
Karabacak A. H., Çanakçı A., Varol T., Erdemir F.  
1. INTERNATIONAL TECHNOLOGICAL SCIENCES AND DESIGN SYMPOSIUM, Giresun, Turkey, 27 - 29 June 2018, pp.788-797
- III. **THE EFFECT OF BALL MILLING TIME ON THE PROPERTIES OF SILVER COATED COPPER MATERIALS PRODUCED BY POWDER METALLURG**  
VAROL T., ALVER Ü., GÜLER O., ERDEMİR F.  
19TH International Metallurgy and Materials Congress, 25 - 27 October 2018
- IV. **Consolidation and Investigation of Properties of Hydroxyapatit-316L Stainless Steel Composites**  
ÖZKAYA S., ÇANAKÇI A., VAROL T., KARABACAK A. H., ÇELEBİ M., ERDEMİR F.

1. International Technological Sciences and Design Symposium, Giresun, Turkey, 27 June - 29 July 2018, pp.828-834
- V. **Characterization and Mechanical Properties of Al<sub>2</sub>O<sub>3</sub>-SiC Nanocomposites Fabricated by Mechanical Alloying**  
KARABACAK A. H., ÇANAKÇI A., VAROL T., ERDEMİR F., ÖZKAYA S.  
8th International Advanced Technologies Symposium, Elazığ, Turkey, 18 - 22 October 2017, pp.1299-1304
- VI. **DETERMINING OF THE EFFECT OF HEAT TREATMENT PARAMETER ON THE GRAIN SIZE OF AISI 316L STAINLESS STEEL USING TAGUCHI METHOD**  
ERDEMİR F., ÇANAKÇI A., VAROL T., YALÇIN E. D.  
PPM 2017, 12 - 15 October 2017
- VII. **Operatör Işığının Ünsersal Adezivlerin Mineye Baęlanma Performanslarına Etkisi**  
AYAR M. K., ERDEMİR F.  
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- VIII. **Microstructure and some mechanical properties of Al<sub>2</sub>O<sub>3</sub>-B<sub>4</sub>C composite fabricated by powder metallurgy**  
KARABACAK A. H., ÇANAKÇI A., ERDEMİR F., VAROL T., YALÇIN E. D.  
2. International Conference on Advanced Engineering Technologies, 21 - 23 September 2017
- IX. **Microstructure and Some Mechanical Properties of Al<sub>2</sub>O<sub>3</sub>-B<sub>4</sub>C Composites Fabricated by Powder Metallurgy**  
KARABACAK A. H., ÇANAKÇI A., ERDEMİR F., VAROL T., YALÇIN E. D.  
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- X. **THE EFFECT OF PROCESS PARAMETERS ON SPECIFIC SURFACE AREA OF B<sub>4</sub>C POWDERS IN MECHANICAL MILLING**  
ERDEMİR F.  
3. International Porous and Powder Materials Symposium and exhibition, 12 - 15 September 2017
- XI. **Resistance of ZA27 Matrix Reinforced with Nanographene Particle**  
YALÇIN E. D., ÇANAKÇI A., ÇUVALCI H., ERDEMİR F., ÇELEBİ M.  
4th International conference on materials science and nanotechnology for next generation (MSNG2017), 28 - 30 June 2017, pp.352-357
- XII. **metal köpükler**  
VAROL T., ÖZKAYA S., ERDEMİR F., ÇANAKÇI A.  
IDEF 2017 13'xxüncü Uluslararası Savunma Sanayii Fuarı, 9 - 12 May 2017
- XIII. **Effects of Nitrocarburizing on the Corrosion Behavior of AISI 4140 Steel**  
ALVER Ü., ÇUVALCI H., GÜLER O., ERDEMİR F., Demir D.  
International Conference on Engineering Technology and Innovation, Saray Bosna, Bosnia And Herzegovina, 22 - 26 March 2017, pp.125
- XIV. **Effect of CNT Content on the Synthesis and Characterization of Copper CNT Composites Fabricated By Ball Milling**  
VAROL T., ÇANAKÇI A., ERDEMİR F.  
16th International Materials Symposium IMSP'2016, Denizli, Turkey, 12 - 14 October 2016, pp.583-588
- XV. **Development of response surface methodology for optimization of process parameters on the formation of Fe Al intermetallic coating**  
ERDEMİR F., ÇANAKÇI A., YALÇIN E. D., VAROL T., ÖZKAYA S.  
1st International Mediterranean Science and Engineering Congress, 26 - 28 October 2016, pp.2025-2030
- XVI. **Development of surface response methodology for optimization of process parameters on the formation of Fe Al intermetallic coating**  
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- XVII. **EFFECT OF MECHANICAL ALLOYING ON CORROSION BEHAVIOUR OF AlCuMg B 4 C NANOCOMPOSITES**  
ÖZKAYA S., ÇANAKÇI A., ERDEMİR F., VAROL T.

- 14.ULUSLARASI KOROZYON SEMPOZYUMU, 5 - 07 October 2016, pp.526-530
- XVIII. **Tribological performance under dry sliding conditions of copper-graphene nanocomposites**  
VAROL T., ÇANAKÇI A., ERDEMİR F.  
16th International Materials Symposium, 12 - 14 October 2016
- XIX. **TRIBOLOGICAL PERFORMANCE UNDER DRY SLIDING CONDITIONS OF COPPER-GRAPHENE NANOCOMPOSITES**  
VAROL T., ÇANAKÇI A., ERDEMİR F.  
16th International Materials Symposium IMSP'2016, Denizli, Turkey, 12 - 14 October 2016, pp.1761-1766
- XX. **Corrosion Behavior of AlCuMg B4C Nanocomposites Produced by Powder Metallurgy**  
ÖZKAYA S., ÇANAKÇI A., VAROL T., ERDEMİR F.  
ICENS2016, Bosnia And Herzegovina, 24 - 28 May 2016, pp.2846-2849
- XXI. **CORROSION BEHAVIOR OF FUNCTIONALLY GRADED Al2024/ B4C-SiC HYBRID COMPOSITES**  
KARABACAK A. H., ÇANAKÇI A., ERDEMİR F.  
XIV. INTERNATIONAL CORROSION SYMPOSIUM, 5 - 07 September 2016
- XXII. **Corrosion Behaviour of AlCuMg B4C Nanocomposites Produced by Powder Metallurgy Method**  
ÖZKAYA S., ÇANAKÇI A., VAROL T., ERDEMİR F.  
ICENS, 24 May 2016 - 28 May 2012
- XXIII. **Determination of Effect of B4C Content on Density and Tensile Strength of AA7075 B4C Composite Produced via Powder Technology**  
NAZİK C., TARAKÇIOĞLU N., ÖZKAYA S., ERDEMİR F., ÇANAKÇI A.  
OPTIROB, ICAEM, ICREB 2015, 26 - 29 June 2015
- XXIV. **International Porous Powder Materials Symposium and Exhibition PPM2015**  
ERDEMİR F., ÇANAKÇI A., VAROL T., ÖZKAYA S., YALÇIN E. D.  
International Porous Powder Materials Symposium and Exhibition PPM2015 , 15 - 18 September 2015
- XXV. **B4C VE GRAFEN NANO PARÇACIKLARI İLE GÜÇLENDİRİLMİŞ ZA27 ALAŞIMININ MİKRO YAPISI VE AŞINMA DAVRANIŞLARININ İNCELENMESİ**  
YALÇIN E. D., ÇANAKÇI A., ÖZKAYA S., ERDEMİR F.  
MYT 2015, Turkey, 23 - 25 October 2015
- XXVI. **Kars bölgesinde aile tipi işletmelerdeki ineklerde reproduktif sorunların belirlenmesi**  
KAÇAR C., KURU M., KAYA S., ŞAHİN L., ERDEMİR F., ÖZCAN K., SERDAROĞLU V., GÜL KILINÇ G., GEZE SAATÇI Ş.  
Türk Veteriner Jinekoloji Derneği VI. Ulusal Kongresi, Muğla, Turkey, 15 - 18 October 2015, pp.162-163
- XXVII. **Determination of Effect of B4C content of B4C on density and tensile strength of aa7070 B4C composite produced via powder technology**  
NAZİK C., TARAKÇIOĞLU N., ÖZKAYA S., ERDEMİR F., ÇANAKÇI A.  
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- XXVIII. **Abresive wear behavior of powder metalurgy CuSn10 Graphite metal matrix composites produced by powder metallurgy**  
YALÇIN E. D., çanakçı a., varol t., özkaya s., erdemir f.  
International Porous Powder Materials Symposium and Exhibition PPM2013, İzmir, Turkey, 3 - 06 September 2013, pp.4
- XXIX. **Sinterleme parametrelerinin moNel 400 alaşımı tozundan üretilmiş parçaların mekanik özelliklerine etkisi**  
ÖZTÜRK S., ÖZTÜRK B., ERDEMİR F., PALACI Y.  
6th International Powder Metallurgy Conference, 5 - 07 October 2011
- XXX. **HIZLI KATILAŞTIRILMIŞ MONEL 400 TOZUNUN PRESLENME DAVRANIŞININ İNCELENMESİ**  
ÖZTÜRK S., ÖZTÜRK B., ERDEMİR F., PALACI Y.  
6th International Powder Metallurgy Conference and Exhibition, Ankara, Turkey, 5 - 07 October 2011

## Supported Projects

BAYGIN Ö., ERDEMİR F., YILMAZ N., ERBEK Ş. M., TUBITAK Project, Çocukların Sık Tükettiği Aromalı Süt Ürünlerinin Süt Diş Minesi Üzerine Etkilerinin İn Vitro İncelenmesi, Continues  
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  
ÇANAKÇI A., ERDEMİR F., ÖZKAYA S., VAROL T., Project Supported by Higher Education Institutions, Fonksiyonel derecelendirilmiş Al2O3/B4C kompozitlerin üretimi, mekanik ve korozyon davranışının incelenmesi, 2015 - 2016

## **Metrics**

Publication: 150

Citation (WoS): 707

Citation (Scopus): 835

H-Index (WoS): 17

H-Index (Scopus): 17

## **Congress and Symposium Activities**

PPM 2015, Attendee, İZMİR, Turkey, 2015

KOMPEGE, Attendee, İZMİR, Turkey, 2013

13.ULUSLARARASI MALZEME SEMPOZYUMU, Attendee, Denizli, Turkey, 2010

## **Non Academic Experience**

Karadeniz Teknik Üniversitesi