

Lect. PhD ÖZLEM CANPOLAT

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Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Metalurji Ve Malzeme Müh. , Turkey 2016 - 2022

Postgraduate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Metalurji Ve Malzeme Müh. , Turkey 2013 - 2015

Undergraduate, Dokuz Eylul University, Mühendislik Fakültesi, Metalurji Ve Malzeme Müh. , Turkey 2008 - 2013

Foreign Languages

English, B2 Upper Intermediate

Persian, A2 Elementary

German, A2 Elementary

Certificates, Courses and Trainings

Vocational Training, COST Act. 20216 NETPORE Summer School, TOBB UET, 2024

Vocational Training, Understanding Nanosciences, Université Paris-Saclay , 2024

Dissertations

Postgraduate, DESIGN OF SYNTHESIS OF NEW GENERATION RARE EARTH DOPED $K_2Ln_2Ti_3O_{10}$ SEMICONDUCTING FILMS AND THEIR INDUSTRIAL APPLICATIONS, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Metalurji Ve Malzeme Müh. , 2015

Research Areas

Metallurgical and Materials Engineering, Material science and engineering, Testing and Control of Materials, Composites, Biomaterials, Material Characterization, Engineering and Technology

Academic Titles / Tasks

Lecturer PhD, Karadeniz Technical University, Abdullah Kanca Meslek Yüksekokulu, Makine ve Metal Teknolojileri, 2016 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **SS316L/Al2O3 functionally graded material for potential biomedical applications**
Canpolat Ö., Çanakçı A., Erdemir F.
Materials Chemistry and Physics, vol.293, 2023 (SCI-Expanded)
- II. **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)
- III. **Evaluation of K₂La₂Ti₃O₁₀-based coatings for Daphnia magna acute toxicity test of methylene blue degradation in water**
Kursun G., Pala A., Canpolat Ö., Celik E.
Journal of the Australian Ceramic Society, vol.55, no.1, pp.289-296, 2019 (SCI-Expanded)

Articles Published in Other Journals

- I. **Effect of HA ratio on the morphology and characteristics of Ti-HA composite coatings on Ti6Al4V-ELI synthesized via mechanical milling**
Canpolat Ö., Çanakçı A., Gültekin G. G.
TRIBOLOGY - MATERIALS, SURFACES AND INTERFACES, vol.18, no.4, pp.245-255, 2024 (ESCI)
- II. **316L/HA Kompozitlerinin Farklı Fizyolojik Sıvılardaki Korozyon ve Biyoaktivite Davranışının Araştırılması**
Canpolat Ö., Çanakçı A.
JOURNAL OF POLYTECHNIC-POLİTEKNİK DERGİSİ, vol.27, no.5, pp.1913-1921, 2024 (ESCI)
- III. **Effect of Milling Time and Process Control Agent on Microstructure and Mechanical Properties of AA2024-2 wt.% Cu Metal-Metal Composites Produced by Mechanical Alloying**
Gültekin G., ÇANAKÇI A., CANPOLAT Ö.
Metallography, Microstructure, and Analysis, vol.12, no.3, pp.444-454, 2023 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **Characterization of AA2024/CNT Nanocomposites as a Function of Milling Time and CNT Content**
Özer H., Canpolat Ö., Varol T.
8 th International Conference on Engineering Technologies ICENTE 2024, Konya, Turkey, 21 - 23 November 2024, pp.159-162
- II. **Production of SS316L/HA Functionally Graded Material For Biomedical Applications Using Powder Metallurgy**
Canpolat Ö., Çanakçı A.
5th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2022), Ankara, Turkey, 23 - 25 November 2022, pp.563-568
- III. **Corrosion Behavior of SS316L/ Al2O3 Composites Produced by Powder Metallurgy Technique**
Canpolat Ö., Çanakçı A., Erdemir F., Gedik Gültekin G.
V. International Ege Composite Materials Symposium, Antalya, Turkey, 4 - 06 November 2021, pp.165
- IV. **The effect of mechanical milling parameters on the properties of AA2024- 2 wt.% Cu composites produced by powder metallurgy**
Gedik Gültekin G., Çanakçı A., Özkaya S., Canpolat Ö.
V. International Ege Composite Materials Symposium, Antalya, Turkey, 4 - 06 November 2021, pp.167
- V. **Investigation of Microstructure and Mechanical Properties of SS316L/ Al2O3 Composites**
Canpolat Ö., Çanakçı A., Erdemir F., Gedik Gültekin G.

- V. International Ege Composite Materials Symposium, Antalya, Turkey, 4 - 06 November 2021, pp.199
- VI. **Effect of Process Control Agents and Milling Time on the Powder Properties of AA2024/Cu Metal Matrix Composites**
Gedik Gültekin G., Çanakçı A., Özkaya S., Canpolat Ö.
V. International Ege Composite Materials Symposium, Antalya, Turkey, 4 - 06 November 2021, pp.166
- VII. **Fabrication of SS316L–Al2O3 Composites and Investigation of Their Mechanical and Corrosion Behavior**
Canpolat Ö., Çanakçı A.
IES'20 International Engineering Symposium | İzmir, Turkey, 5 - 06 December 2020, pp.119-120
- VIII. **Photocatalytic Activity Performance of K2La2Ti3O10 Thin Films For Degradation of Remazol Marine Textile Dyes**
Kurşun G., Pala A., Canpolat Ö., Çelik E.
2nd IWA Regional Symposium on Water, Wastewater and Environment of the World's Water Resources, İzmir, Turkey, 22 - 24 March 2017, pp.228
- IX. **Sm,Nd,Dy ve Gd ile Katkılandırılmış K2La2Ti3O10 Malzemeler Kullanarak Metilen Mavisi İçeren Suların Fotokatalitik Aktivitesi Ve Akut Toksikitesinin Belirlenmesi**
KURŞUN G., CANPOLAT Ö., PALA A., ÇELİK E.
9.Seramik Kongresi, Afyon, Turkey, 26 - 28 November 2015, pp.70
- X. **Nanocoating Thin Film Applications on Water Treatment**
PALA A., Politi R. R., Oner G., Kursun G., Bakal F., Canpolat Ö., ÇELİK E.
5th International Conference on Advanced Nanomaterials (ANM), Aveiro, Portugal, 2 - 04 July 2014, vol.2, pp.271-280
- XI. **Production Characterization and Photocatalytic Kinetics of Sm and Dy doped K2La2Ti3O10 Semiconducting Thin Films**
BAKAL F., CANPOLAT Ö., KURŞUN G., EROL M., PALA A., ÇELİK E.
SERES'14 III. International Ceramic, Glass, Porcelain Enamel, Glaze and Pigment Congress, Eskişehir, Turkey, 15 - 17 October 2014, pp.1
- XII. **A Comparison Study of Photocatalytic Effects of Pure K2La2Ti3O10 with Sm and Nd Doped K2La2Ti3O10 Films**
KURŞUN G., CANPOLAT Ö., BAKAL F., ÇELİK E., PALA A.
Science and Applications of Thin Films, Conference & Exhibition, İzmir, Turkey, 15 - 19 September 2014, pp.271
- XIII. **Photocatalytic Degradation of Cyanide in Wastewater by Using Newly Developed Nano Thin Film**
PALA A., POLİTİ R. R., ÖNER G., KURŞUN G., ÇELİK E., CANPOLAT Ö., BAKAL F.
9th NANOSMAT Conference, Dublin, Ireland, 8 - 11 September 2014, pp.40
- XIV. **New Generation K2La2Ti3O10 Semiconducting Thin Films and Their Industrial Application**
CANPOLAT Ö., BAKAL F., KURŞUN G., PALA A., ÇELİK E.
International Nanoscience & Nanotechnology For Next Generations, Elazığ, Turkey, 20 - 22 August 2014, pp.45
- XV. **New Generation Photocatalytic K2La2Ti3O10 Semiconducting Thin Films and Their Industrial Application**
CANPOLAT Ö., BAKAL F., KURŞUN G., PALA A., ÇELİK E.
ICPR-QIEM, Cluj Napoca, Romania, 1 - 05 July 2014, pp.65-69
- XVI. **Sol-jel Yöntemi ile K2La2Ti3O10 Tozların Üretimi, Karakterizasyonu ve Fotokatalitik Kinetiği**
Bakal F., Canpolat Ö., Kurşun G., Erol M., Pala A., Çelik E.
III. ULUSAL NANOTEKNOLOJİ KONGRESİ, İstanbul, Turkey, 27 - 28 February 2014, pp.25
- XVII. **Nadir Toprak Elementi Katkılı K2La2Ti3O10 Kullanarak Atık Suların Fotokatalitik Oksidasyon Yöntemiyle Temizlenmesi**
CANPOLAT Ö., BAKAL F., KURŞUN G., EROL M., PALA A., ÇELİK E.
III. ULUSAL NANOTEKNOLOJİ KONGRESİ, İstanbul, Turkey, 27 - 28 February 2014, pp.24

Supported Projects

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

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

Canpolat Ö., Uzunali U. Y., Development Agency, Doğu Karadeniz Bölgesinde Gemi İnşaa Ve İmalat Sanayinde İstihdamı Arttırmaya Yönelik Gazaltı Kaynak Eğitimi, 2024 - 2024

Çanakçı A., Çuvalcı H., Canpolat Ö., Çanakçı S., Project Supported by Higher Education Institutions, Al2O3 ve Hidroksiapatit Takviyeli 316L Paslanmaz Çelik Matrisli Kompozit ve Fonksiyonel Derecelendirilmiş Malzemelerin Üretimi ve Özelliklerinin İncelenmesi, 2019 - 2023

TUBITAK Project, YENİ NESİL FOTOKATALİTİK MALZEMELER KULLANILARAK ATIKSULARDA BULUNAN ZOR PARÇALANAN ORGANİK KİRLETİCİ MADDELERİN TEMİZ BİLEŞENLERE DÖNÜŞTÜRÜLMESİ, 2012 - 2014

Scientific Research / Working Group Memberships

Ca20116-European Network For Innovative And Advanced Epitaxy, The European Cooperation in Science and Technology (COST), Belgium, <https://cost-opera.eu/>, 2023 - Continues

Ca20126 - Network For Research, İnnovation And Product Development On Porous Semiconductors And Oxides, The European Cooperation in Science and Technology (COST), Belgium, <https://www.cost.eu/actions/CA20126/>, 2023 - Continues

Metrics

Publication: 23

Citation (WoS): 23

Citation (Scopus): 26

H-Index (WoS): 3

H-Index (Scopus): 3

Congress and Symposium Activities

IES'20 International Engineering Symposium , Attendee, İzmir, Turkey, 2020

International Nanoscience & Nanotechnology For Next Generations, Attendee, Elazığ, Turkey, 2014

ICPR-QIEM, Attendee, Cluj-Napoca, Romania, 2014

III. ULUSAL NANOTEKNOLOJİ KONGRESİ, Attendee, İstanbul, Turkey, 2014

16.ULUSLARARASI METALURJİ VE MALZEME KONGRESİ , Attendee, İstanbul, Turkey, 2012

4. Uluslararası Demir Çelik Sempozyumu, Attendee, İzmir, Turkey, 2012

Scholarships

Erasmus Öğrenci Değişim Programı Bursu, European Commission, 2014 - 2015