

Res. Asst. PhD BURCU NİLGÜN ÇETİNER

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAA-4120-2019

Yoksis Researcher ID: 173405

Biography

2008 yılında Kocaeli Üniversitesi'ni bitirdikten sonra 2009'da Marmara Üniversitesi'nde araştırma görevlisi olarak Mühendislik Fakültesi Metalurji ve Malzeme Mühendisliği Üretim Metalurjisi A.B.D.'nda çalışmaya ve Fen Bilimleri Enstitüsü'nde aynı alanda çalışmaya başladım. 2014 yılında yüksek lisansı bitirdim, 2015 yılında aynı bölümde Fen Bilimleri Enstitüsü'nde doktora başladım. Halen doktora ve araştırma görevlisi olarak bölümümde çalışmaya devam ediyorum.

Education Information

Doctorate, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Metalurji Ve Malzeme Mühendisliği (YI) (Tezli), Turkey 2015 - Continues

Postgraduate, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Department of Metallurgical and Materials Engineering (Eng), Turkey 2009 - 2014

Undergraduate, Kocaeli University, Mühendislik Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, Turkey 2006 - 2008

Foreign Languages

French, C2 Mastery

English, C1 Advanced

Dissertations

Postgraduate, The production of alumina-titania biocomposite combined with hydroxyapatite (HA), Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Department of Metallurgical and Materials Engineering (Eng), 2014

Research Areas

Metallurgical and Materials Engineering, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Marmara University, Faculty of Engineering, Metallurgical and Material Engineering, 2009 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Printability of bio-composite sheets made from paper mill and cardboard mill waste sludge**
Yüce H., Genç G., Sönmez S., Özden Ö., Akgül A., Çetiner B. N.
PIGMENT & RESIN TECHNOLOGY, vol.51, no.5, pp.541-549, 2022 (SCI-Expanded)
- II. **Comparison of the Antimony Cementation from Chloride Media Using Various Cementators**
Kucukoglu O., ÇETİNER B. N., Morcali M. H., AKTAŞ S.
MINING METALLURGY & EXPLORATION, vol.39, pp.793-804, 2022 (SCI-Expanded)
- III. **Palladium recovery from spent Pd plating solutions using Lewatit TP 214 resin**
ÇETİNER B. N., Yegül E. U., Zeytuncu Gökoğlu B., AKTAŞ S.
DESALINATION AND WATER TREATMENT, vol.253, pp.211-222, 2022 (SCI-Expanded)
- IV. **Metallic antimony recovery via cementation from antimony containing solutions and investigation of its conditions**
Uysal A., ÇETİNER B. N., AKTAŞ S.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.37, no.1, pp.207-217, 2022 (SCI-Expanded)
- V. **Investigation of Alkaline Leaching Parameters on Stibnite Concentrate**
Aktaş S., Çetiner B. N.
MINING METALLURGY & EXPLORATION, vol.37, pp.1729-1739, 2020 (SCI-Expanded)
- VI. **Investigation of Creep Behavior of CNT Reinforced Ti6Al4V Under Dynamic Loads**
TOPCU İ., ÇETİNER B. N., GÜLLÜOĞLU A. N., Gulsoy O.
JOURNAL OF THE CHEMICAL SOCIETY OF PAKISTAN, vol.42, no.1, pp.70-80, 2020 (SCI-Expanded)
- VII. **INVESTIGATION OF INDENTATION FRACTURE TOUGHNESS (K-IC) AND WEIBULL PARAMETERS OF 0.25Li(2)0.2SiO(2)-0.75BaO.2SiO(2) GLASS-CERAMIC**
Ertug B., Cetiner B. N., Gokce H., ERKMEN Z. E., Öveçoğlu M. L.
ARCHIVES OF METALLURGY AND MATERIALS, vol.62, no.4, pp.1963-1968, 2017 (SCI-Expanded)
- VIII. **Production of hydroxylapatite based titania biocomposite as porous bone-like scaffold**
ÇETİNER B. N., ERKMEN Z. E.
Archives of Materials Science and Engineering, vol.65, pp.66-71, 2014 (SCI-Expanded)
- IX. **The Effect of Mechanical Alloying on the Microhardness and Fracture Toughness of BaTiO₃**
Ertug B., Cetiner B. N., Sadullahoglu G., Gokce H., Erkmen Z. E., Ovecoglu M. L.
ACTA PHYSICA POLONICA A, vol.123, no.2, pp.188-190, 2013 (SCI-Expanded)
- X. **Production and Characterization of Bioglass®-Titania Reinforced Hydroxylapatite Composite**
ÇETİNER B. N., ERKMEN Z. E.
Key Engineering Materials, vol.493, pp.566-571, 2012 (SCI-Expanded)

Articles Published in Other Journals

- I. **The Similar and Dissimilar TIG Welding of 316L and 321 Austenitic Stainless Steels**
Çınar Ö., Erdemir E., Yaralı M. C., Çetiner B. N., Mergen A., Güllüoğlu A. N.
ALKU Journal of Science , vol.1, no.3, pp.148-155, 2019 (Peer-Reviewed Journal)
- II. **The Similar and Dissimilar Spot Welding of 304 and 316L Austenitic Stainless Steels**
Topcu İ., Çınar Ö., Alyanakoğlu A. E., Çetiner B. N., Güllüoğlu A. N.
ALKÜ Fen Bilimleri Dergisi, vol.1, no.2, pp.55-59, 2019 (Peer-Reviewed Journal)
- III. **The Similar and Dissimilar Spot Welding of 304 and 316L Austenitic Stainless Steels**
ÇINAR Ö., ÇETİNER B. N., TOPCU İ., GÜLLÜOĞLU A. N., EKİCİ B.

Materials for Future, vol.1, no.1, pp.20-23, 2017 (Peer-Reviewed Journal)

IV. Production and Characterization of Alumina Titania Biocomposite

ÇETİNER B. N., ERKMEN Z. E.

AIP Conference Proceedings, vol.1653, 2015 (Scopus)

V. Production Methods of Porous Biocomposite and Characterization of Hydroxylapatite Based Biocomposite Produced by Using H2O2 as Pore Creator

Gençtürk S., Arslan S., Çetiner B. N., Erkmen Z. E.

Seramik Türkiye, no.39, pp.80-85, 2012 (Non Peer-Reviewed Journal)

Books & Book Chapters

I. Chemical Metallurgy Laboratory Book with Lecturer's Notes

AKTAŞ S., ÇETİNER B. N.

Dahi Yayıncılık A.Ş., İstanbul, 2017

Refereed Congress / Symposium Publications in Proceedings

I. PALLADIUM RECOVERY FROM WASTE PLATING SOLUTIONS USED IN AUTOMOTIVE PLASTICS INDUSTRY BY METALLIC COPPER POWDER

Atasoy S., Çöke N., Çetiner B. N., Aktaş S.

7. ULUSLARARASI MUHENDİSLİK MİMARLIK VE TASARIM KONGRESİ, İstanbul, Turkey, 21 - 22 May 2021, pp.1150

II. PEKTİN VE KİTRE KULLANILARAK ATIK PALADYUM ÇÖZELTİLERİNDEN PALADYUMUN ADSORPSİYON YÖNTEMİ İLE GERİ KAZANIMI

Karaalil Ö., Kaya S., Derelioğlu Y., Çetiner B. N., Aktaş S.

7. ULUSLARARASI MUHENDİSLİK MİMARLIK VE TASARIM KONGRESİ, İstanbul, Turkey, 21 May - 22 October 2021, pp.1151

III. PRODUCTION AND CHARACTERIZATION OF BIOGLASS-YIG CERAMIC COMPOSITE

DEMİRCİ S., ÇINAR Ö., ÇETİNER B. N., TUNÇAY M. M., GÜLLÜOĞLU A. N.

6.ULUSLARARASI MUHENDİSLİK MİMARLIK VE TASARIM KONGRESİ, İstanbul, Turkey, 17 - 18 December 2020

IV. PALLADIUM RECOVERY FROM WASTE PLATING SOLUTIONS USING COMMERCIAL RESIN LEWATIT TP 214

Yegül E. U., Çetiner B. N., Zeytuncu Gökoğlu B., Aktaş S.

IMSTEC'20, Nevşehir, Turkey, 16 - 18 October 2020, pp.282

V. ELEKTRONİK ATIKLARDAN YEŞİL KİMYA YÖNTEMİ İLE NANO ALTIN ELDESİ

Çolak H., Albayrak B., Çetiner B. N., Aktaş S.

3. Uluslararası Mühendislik ve Teknoloji Yönetimi Kongresi, İstanbul, Turkey, 16 - 17 April 2020, pp.74

VI. Antimony Recovery from Various Antimony Solutions and Determination of Optimal Conditions

Uysal A., ÇETİNER B. N., MORCALI M. H., AKTAŞ S.

2nd International Turkish World Engineering and Science Congress, Antalya, Turkey, 7 - 11 November 2019, vol.2, pp.652-661

VII. MAGNEZYOTERMİK REDÜKSİYON İLE AMORF BOR ÜRETİMİ

Öksüz F., Çokrak Ç. Y., Aktaş S., Çetiner B. N.

4. Uluslararası Mühendislik, Mimarlık ve Tasarım Kongresi, İstanbul, Turkey, 23 - 24 April 2019, pp.348-351

VIII. PRODUCTION OF ZIRCONIUM OXIDE FROM ZIRCONIUM SILICATE

Doğan Ö., Yavuz M., Çetiner B. N., Aktaş S.

3rd International Congress on Engineering, Architecture and Design, İstanbul, Turkey, 4 - 05 May 2018, pp.433-434

IX. PRODUCTION OF ANTIMONY TRIOXIDE FROM ANTIMONY ORE

Zerin M., Doğan Ö., Yavuz M., Fındık Z., Çetiner B. N., Aktaş S.

- X. **MECHANICAL PROPERTIES OF PLA AND ABS PARTSMANUFACTURED BY THE 3D PRINTER FUSED FILAMENTFABRICATION PROCESS**
TOPCU İ., GÜLLÜOĞLU A. N., ÇETİNER B. N., ERCAN E.
1. international Turkish World Engineering and Science Congress(ITWESC-2017), Antalya, Turkey, 7 - 10 December 2017
- XI. **PROCESSING AND MECHANICAL PROPERTIES OF CARBONNANOTUBE (CNT) REINFORCED ALUMINUM MATRIX COMPOSITES**
TOPCU İ., GÜLLÜOĞLU A. N., ÇETİNER B. N., ERCAN E.
1. international Turkish World Engineering and Science Congress(ITWESC-2017), Antalya, Turkey, 7 - 10 December 2017
- XII. **Surface Design of Turkish Infantry Rifle by PTFE and Electroless Nickel Coating Systems**
TURHAN E., AKKUŞ E., ŞAHİN M. U., ÇINAR Ö., TOPCU İ., ÇETİNER B. N., GÜLLÜOĞLU A. N.
", 2nd International Mediterranean Science and Engineering Congress, IMSEC 2017, Adana, Turkey, 25 - 27 October 2017
- XIII. **The Similar and Dissimilar MIG Welding of 304 and 321 Austenitic Stainless Steels**
ÇINAR Ö., ÇETİNER B. N., TOPCU İ., GÜRTUĞ Y., MERGEN A., GÜLLÜOĞLU A. N.
", 2nd International Mediterranean Science and Engineering Congress, IMSEC 2017, Adana, Turkey, 25 - 27 October 2017
- XIV. **Surface Design of Gun Barrel of Infantry Troops's Rifle**
akkuş e., turhan e., şahin m. u., ÇINAR Ö., ÇETİNER B. N., TOPCU İ., GÜLLÜOĞLU A. N.
ICAIE (International Conference on Advances and Innovations in Engineering) Fırat University Elazığ, Elazığ, Turkey, 10 - 12 May 2017, pp.1084
- XV. **Design of Electrospark Arc Deposition Instrument for Die Repair**
yılmaz a. b., kantarcı t., yiğit e., doğu b., ÇETİNER B. N., ÇINAR Ö., MERGEN A.
ICAIE (International Conference on Advances and Innovations in Engineering) Fırat University Elazığ, Elazığ, Turkey, 10 - 12 May 2017, pp.41
- XVI. **Design of Glass Shaping Molds**
akkuş e., gümüşlü h., altınay m., daşcı s., özgöz n., ÇINAR Ö., ÇETİNER B. N., GÜLLÜOĞLU A. N.
International Conference on Advances and Innovations in Engineering (ICAIE) Fırat University Elazığ, Elazığ, Turkey, 10 - 12 May 2017, pp.1085
- XVII. **Surface Design of Aluminium and Zinc Extrusion Dies**
yılmaz a. b., patır f. k., şimşek a. d., GÜLLÜOĞLU A. N., ÇETİNER B. N., ÇINAR Ö., MERGEN A.
ICAIE (International Conference on Advances and Innovations in Engineering) Fırat University Elazığ, Elazığ, Turkey, 10 - 12 May 2017, pp.1091
- XVIII. **The similar and dissimilar MIG welding of 304 and 316 austenitic stainless steels**
ÇETİNER B. N., ÇINAR Ö., ERDEMİR E., TOPCU İ., MERGEN A., GÜLLÜOĞLU A. N.
1st International Mediterranean Science and Engineering Congress, Adana, Turkey, 26 - 28 October 2016
- XIX. **The Similar and Dissimilar Resistance Spot Welding of 321 and 316 Austenitic Stainless Steel**
ÇINAR Ö., Alyanakoğlu A. E., Çakır T., ÇETİNER B. N., EKİCİ B., GÜLLÜOĞLU A. N.
IMSEC2016, Adana, Turkey, 26 - 28 October 2016
- XX. **INFLUENCE OF DIFFERENT ALUMINUM ALLOYS ON THE PROPERTIES OF MICROARC OXIDATION COATINGS**
Oral N. E., Yurtdaş İ. M., ÇETİNER B. N., ÇINAR Ö., MERGEN A.
9th International Ceramic Congress, Afyon Karahisar, Turkey, 2015, 26 - 28 November 2015
- XXI. **INVESTIGATION OF MAGNETIC AND LUMINESCENCE PROPERTIES OF ERBIUM OXIDE Er₂O₃ AND DYSPROSIUM OXIDE Dy₂O₃ DOPED YTTRIUM IRON GARNET YIG**
Alev G., Baran T. C., ÇINAR Ö., ÇETİNER B. N., MERGEN A.
9th International Ceramic Congress, Afyon Karahisar, Turkey, 2015, Afyon Karahisar, Turkey, 26 - 28 November 2015
- XXII. **COMPARISON OF MECHANICAL PROPERTIES OF AISI 1040 4140 420 AND 316 STEELS AFTER**

APPLICATION OF CHEMICALLY DENSIFIED CD CHROMIUM OXIDE ALUMINA COATINGS

Keskin S., Aygün U., ÇINAR Ö., ÇETİNER B. N., MERGEN A., İsmail Ersan K.

9th International Ceramic Congress, Afyon Karahisar, Turkey, 2015, Afyon Karahisar, Turkey, 26 - 28 November 2015

- XXIII. **1050 3003 5754 7072 ve 8006 Alüminyum Alaşımlarının Lazer Nokta Kaynağı Üzerine Deneysel Çalışmalar**
Tansu Y., SAĞIROĞLU Ö., ÇETİNER B. N., GÜLLÜOĞLU A. N.
7. Alüminyum Sempozyumu, İstanbul, Turkey, 8 - 09 October 2015
- XXIV. **1050 3003 5754 7072 ve 8006 Alüminyum Alaşımlarının Lazer Nokta Kaynağı Üzerine Deneysel Çalışmalar Experimental Studies on Laser Spot Welding of Aluminum Alloys 1050 3003 5754 7072 and 8006**
YARAL T., SAĞIROĞLU Ö., ÇETİNER B. N., GÜLLÜOĞLU A. N.
7. Alüminyum Sempozyumu, 08-09 Ekim 2015, İstanbul Fuar Merkezi, İstanbul, Turkey, 8 - 09 October 2015
- XXV. **PRODUCTION of the FERRIMAGNETIC BIOGLASS BIOCOMPOSITE via SINTERING**
KARAER S., ÇETİNER B. N., GENÇ S.
International Porous and Powder Materials Symposium and Exhibition, İzmir, Turkey, 15 - 18 September 2015
- XXVI. **Production and Characterization of Alumina Titania biocomposite**
ÇETİNER B. N., ERKMEN Z. E.
APMAS 2014, 24 - 27 April 2014, pp.1-7
- XXVII. **Characterization of Duplex Thermal Spray Coating Application on AISI4140 Steel Substrate**
ÇINAR Ö., GEÇMEN İ., ÇETİNER B. N.
Second International Surface Treatment Symposium (ISTS) 2014, İstanbul, Turkey, 25 - 27 June 2014
- XXVIII. **Characterization of the Coating Applied Using Arc Spray Alloying Method on AISI 4140 Steel Substrate**
ÇINAR Ö., GEÇMEN İ., ÇETİNER B. N.
Second International Surface Treatment Symposium (ISTS) 2014, İstanbul, Turkey, 25 - 27 June 2014
- XXIX. **PRODUCTION AND CHARACTERIZATION OF CHEMICALLY DENSIFIED CD CHROMIUM OXIDE SILICA COATINGS AND ALTERATION IN THEIR MECHANICAL AND MICROSTRUCTURAL PROPERTIES DEPENDING ON CHROME OXIDE AND PHOSPHATE TREATMENTS**
Yiğit H., Aygün U., Keskin S., ÇINAR Ö., ÇETİNER B. N., KALAFATOĞLU İ. E.
The Second International Iron and Steel Symposium (IISS'15), Karabük, Turkey, 01 April 2015 - 03 April 2014
- XXX. **Fabrication of Bulk Yttria Stabilized Zirconia Alumina Composite Filters by Different Foaming Methods**
ÇINAR Ö., ÇETİNER B. N.
International Porous and Powder Materials Symposium and Exhibition 2013 Çeşme, İzmir, Turkey, 3 - 06 September 2013
- XXXI. **Fabrication of Bulk Different Kinds of Alumina Filters by Different Foaming Methods**
ÇINAR Ö., ÇETİNER B. N.
International Porous and Powder Materials Symposium and Exhibition 2013, İzmir, Turkey, 3 - 06 September 2013
- XXXII. **Comparison of Mechanical Properties of AISI 1040 4140 420 and 316 Steels after Nitriding**
ÇINAR Ö., ÇETİNER B. N., TUNÇAY M. M., TOPCU İ., GÜLLÜOĞLU A. N.
International Iron and Steel Symposium 2012 Karabük, Karabük, Turkey, 2 - 04 April 2012
- XXXIII. **Comparison of Mechanical Properties of AISI 1040 4140 420 and 316 Steels after Coating with Vecalloy B P MET 297 and Alloys of These Two Components by Arc Spray**
ÇINAR Ö., ÇETİNER B. N., TUNÇAY M. M., TOPCU İ., GÜLLÜOĞLU A. N.
International Iron and Steel Symposium 2012 Karabük, Karabük, Turkey, 2 - 04 April 2012
- XXXIV. **Comparison of Mechanical Properties of AISI 1040 4140 420 and 316 Steels after Boronizing Process**
ÇINAR Ö., ÇETİNER B. N., TUNÇAY M. M., TOPCU İ., GÜLLÜOĞLU A. N.
International Iron and Steel Symposium 2012 Karabük, Karabük, Turkey, 2 - 04 April 2012

Supported Projects

Çetiner B. N., Aktaş S., Project Supported by Higher Education Institutions, Amonyum hegza klora platinat çökeleğinin yeni çevreci bir yöntemle rafinasyonu yöntemi , 2019 - 2022

Çetiner B. N., Aktaş S., Project Supported by Higher Education Institutions, Paladyum ihtiva eden çeşitli atıklardan paladyumun ekstraksiyonu ve alkol bazlı sülfat çöktürme metoduyla rafinasyonunun araştırılması , 2018 - 2021

Çetiner B. N., Aktaş S., Project Supported by Higher Education Institutions, Platinin ikincil kaynaklardan geri kazanımında yeni bir rafinasyon yöntemi , 2018 - 2021

Çetiner B. N., Aktaş S., Project Supported by Higher Education Institutions, Kütahya Gediz Yöresi Sülfürlü/Oksitli Antimon Cevherlerinden Antimonun Mikrodalga Çözümleme Yöntemiyle Ekstraksiyonu, Arsenik Bertarafı ve Nano Boyutta Antimon Sentezi , 2017 - 2021

Çetiner B. N., Genç S., Yılmaz B., Bayraktar Ö. H., Yalırık H., Mergen A., Project Supported by Higher Education Institutions, Analysis of Heat Transfer Mechanisms of Ferrofluids, 2015 - 2019

Çınar Ö., Topcu İ., Güllüoğlu A. N., Çetiner B. N., Project Supported by Higher Education Institutions, FEN-K-070317-0107, 2017 - 2018

Çınar Ö., Çetiner B. N., Kalafatoğlu İ. E., Project Supported by Higher Education Institutions, FEN A 090414 0091, 2014 - 2015

Çetiner B. N., Erkmén Z. E., Project Supported by Higher Education Institutions, Biyocam ve Titanya Takviyeli Hidroksiapatit Kemik Grefti (İskelesi) Üretiminin Araştırılması ve Geliştirilmesi", 2010 - 2012

Çetiner B. N., Erkmén Z. E., Project Supported by Higher Education Institutions, Hidroksiapatit ile Birleştirilmiş Alumina Titanya Biyokompozitinin Üretimi, 2010 - 2011

Metrics

Publication: 50

Citation (WoS): 15

Citation (Scopus): 24

H-Index (WoS): 3

H-Index (Scopus): 4

Awards

Aktaş S., Çetiner B. N., Üniversitesi M., A METHOD for PLATINUM RECOVERY, 5. İstanbul Uluslararası Buluş Fuarı, September 2020

Non Academic Experience

Marmara Üniversitesi Mühendislik Fakültesi