

Assoc. Prof. ALİ ÖZER

Personal Information

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International Researcher IDs

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Yoksis Researcher ID: 58653

Education Information

Doctorate, Gebze Yüksek Teknoloji Enstitüsü, Mühendislik Ve Fen Bilimleri Enstitüsü, Malzeme Bilimi Ve Mühendisliği (Dr), Turkey 2007 - 2012

Postgraduate, Sakarya University, Institute Of Science, Metalurji Ve Malzeme Mühendisliği (YI) (Tezli), Turkey 2001 - 2006

Undergraduate, Sakarya University, Faculty Of Engineering, Department Of Metallurgical And Materials Engineering, Turkey 1997 - 2001

Foreign Languages

English, C2 Mastery

Certificates, Courses and Trainings

Vocational Course, Atomika SEM-EDX Analiz Eğitimi, Atomika Teknik, 2016

Vocational Training, SEM-Philips XL30 FEG, Gebze Teknik Üniversitesi, 2012

Vocational Training, XRD-Philips X'pert Pro2, University of Illinois at Urbana-Champaign, 2011

Vocational Training, Hysitron AFM, University of Illinois at Urbana-Champaign, 2011

Vocational Training, XPS-Phi- Device Using, University of Illinois at Urbana-Champaign, 2011

Vocational Training, SEM-Jeol 7100F-EBSD FEG SEM, University of Illinois at Urbana-Champaign, 2011

Vocational Training, TEM-Jeol Cryo 2100 Device Using, University of Illinois at Urbana-Champaign, 2011

Vocational Training, SEM- Jeol 6060LV Device Using, University of Illinois at Urbana-Champaign, 2010

Vocational Training, XRD-MDI-Jade- Phase Analysis , University of Illinois at Urbana-Champaign, 2010

Vocational Training, XRD-Siemens D5000 Device Using , University of Illinois at Urbana-Champaign, 2010

Dissertations

Doctorate, Sert seramik katkılarının Cr₃C₂-NiCr sermetlerin mekanik ve aşınma özelliklerine etkisi, Gebze Yüksek Teknoloji Enstitüsü, Mühendislik Ve Fen Bilimleri Enstitüsü, Malzeme Bilimi Ve Mühendisliği (Dr), 2012

Postgraduate, ZA8 alaşımına element ilavesinin aşınma özelliklerine etkisi, Sakarya Üniversitesi, Fen Bilimleri Enstitüsü, Metalurji Ve Malzeme Mühendisliği (YI) (Tezli), 2006

Research Areas

Metallurgical and Materials Engineering

Academic Titles / Tasks

Associate Professor, Sivas Cumhuriyet University, Mühendislik Fakültesi, Metalürji Mühendisliği, 2019 - Continues

Assistant Professor, Sivas Cumhuriyet University, Mühendislik Fakültesi, Metalürji Mühendisliği, 2013 - 2019

Research Assistant, Sivas Cumhuriyet University, Mühendislik Fakültesi, Metalürji Mühendisliği, 2012 - 2013

Research Assistant, Gebze Yüksek Teknoloji Enstitüsü, Mühendislik Ve Fen Bilimleri Enstitüsü, Malzeme Bilimi Ve Mühendisliği (Dr), 2007 - 2012

Research Assistant, University of Illinois at Urbana-Champaign, Grainger Faculty Of Eng., Material Science And Eng., 2010 - 2011

Research Assistant, Sivas Cumhuriyet University, Mühendislik Fakültesi, Metalürji Mühendisliği, 2002 - 2007

Academic and Administrative Experience

Deputy Director of the Center, Sivas Cumhuriyet University, 2017 - Continues

Sivas Cumhuriyet Üniversitesi, Mühendislik Fakültesi, 2016 - Continues

Deputy Head of Department, Sivas Cumhuriyet University, Mühendislik Fakültesi, Metalürji Mühendisliği, 2015 - 2020

Courses

Uzmanlık Alan Dersi, Postgraduate, 2021 - 2022

Seminer, Doctorate, 2021 - 2022

Uzmanlık Alan Dersi, Doctorate, 2021 - 2022

Seminer, Postgraduate, 2021 - 2022

Characterization Techniques of Ceramics, Postgraduate, 2020 - 2021

Nano Malzemeler ve Nano Teknolojisi, Postgraduate, 2020 - 2021, 2019 - 2020

Mühendislik ve Fen Bilimlerinde SEM-TEM ve XRD Uygulamaları, Doctorate, 2020 - 2021

Mechanical Properties of Materials, Undergraduate, 2020 - 2021

Biomaterials, Undergraduate, 2020 - 2021

Şehir ve Kültür, Undergraduate, 2020 - 2021

Nano Materials and Nano Technologies, Postgraduate, 2020 - 2021

Uzmanlık Alan Dersi, Postgraduate, 2020 - 2021

Material Characterization Techniques, Undergraduate, 2020 - 2021

SEM-TEM and XRD Applications for Science and Engineering, Doctorate, 2020 - 2021

Seramiklerin Fiziksel ve Kimyasal Özellikleri, Postgraduate, 2018 - 2019

Plastik Şekil Verme, Undergraduate, 2018 - 2019

Şehir ve Kültür, Undergraduate, 2019 - 2020

Seramiklerin İleri Mekanik Özellikleri, Postgraduate, 2018 - 2019

Statik, Undergraduate, 2019 - 2020

Uzmanlık Alan Dersi, Postgraduate, 2019 - 2020

Seramiklerin Karakterizasyon Teknikleri, Postgraduate, 2019 - 2020

Seminer Dersi, Postgraduate, 2019 - 2020

Nano Malzemeler, Undergraduate, 2018 - 2019

Malzemenin Mekanik Özellikleri, Undergraduate, 2019 - 2020

Biyomalzemeler, Undergraduate, 2019 - 2020

Malzemenin Mekanik Özellikleri, Undergraduate, 2019 - 2020
Plastik Şekil Verme, Undergraduate, 2018 - 2019
MALZEME ANALİZ TEKNİKLERİ, Undergraduate, 2017 - 2018, 2016 - 2017
PLASTİK ŞEKİL VERME, Undergraduate, 2017 - 2018, 2016 - 2017
SPEKTROSKOPİK ANALİZ YÖNTEMLERİ, Postgraduate, 2017 - 2018, 2016 - 2017
Sinterleme Kinetiği, Doctorate, 2017 - 2018
SERAMİKLERİN KARAKTERİZASYON TEKNİKLERİ, Postgraduate, 2017 - 2018, 2016 - 2017
Nano Malzemeler, Undergraduate, 2017 - 2018
MALZEMELERİN MEKANİK ÖZELLİKLERİ, Undergraduate, 2017 - 2018, 2016 - 2017
Seminer Dersi, Doctorate, 2017 - 2018
Bitirme Ödevi, Undergraduate, 2018 - 2019
SİNERLEME KİNETİĞİ, Doctorate, 2017 - 2018
SERAMİKLERİN FİZİKSEL VE KİMYASAL ÖZELLİKLERİ, Postgraduate, 2017 - 2018, 2016 - 2017
NANOMALZEMELER, Undergraduate, 2017 - 2018, 2016 - 2017
UZMANLIK ALAN DERSİ, Postgraduate, 2017 - 2018, 2016 - 2017
SEMİNER 2, Postgraduate, 2017 - 2018
SERAMİKLERİN İLERİ MEKANİK ÖZELLİKLERİ, Postgraduate, 2017 - 2018, 2016 - 2017
SEMİNER 1, Postgraduate, 2017 - 2018, 2016 - 2017
Tez Çalışması, Postgraduate, 2017 - 2018
SİNERLEME TEORİSİ VE PARÇACIK İŞLEMLERİ, Postgraduate, 2017 - 2018, 2016 - 2017
REFRAKTERLER VE ENDÜSTRİYEL FIRINLAR, Undergraduate, 2016 - 2017
Faz Diyagramları, Undergraduate, 2016 - 2017
Sinterleme Teorisi ve Parçacık İşlemleri, Postgraduate, 2017 - 2018
Malzeme Analiz Teknikleri, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015
FAZ DİYAGRAMLARI, Undergraduate, 2016 - 2017
TOZ METALURJİSİ VE UYGULAMALARI, Postgraduate, 2016 - 2017
METALURJİ VE MALZEME MÜH. GİRİŞ, Undergraduate, 2016 - 2017
Toz Metalurjisi ve Uygulamaları, Postgraduate, 2016 - 2017
Malzeme Seçimi ve Tasarımı, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015
Uzmanlık Alan Dersi, Postgraduate, 2017 - 2018
Malzemenin Mekanik Özellikleri II, Undergraduate, 2016 - 2017
Malzeme Seçimi ve Tasarımı, Undergraduate, 2016 - 2017
Faz Diyagramları, Undergraduate, 2016 - 2017
Spektroskopik Analiz Yöntemleri, Postgraduate, 2017 - 2018
Malzeme Seçimi ve Tasarımı, Undergraduate, 2016 - 2017
MALZEME SEÇİMİ VE TASARIMI, Undergraduate, 2016 - 2017
Refrakterler ve Endüstriyel Fırınlar, Undergraduate, 2016 - 2017
Metalurji Ve Malzeme Müh. Giriş, Undergraduate, 2016 - 2017
Refrakterler ve Endüstriyel Fırınlar, Undergraduate, 2016 - 2017
Metalurji Ve Malzeme Müh. Giriş, Undergraduate, 2016 - 2017
Demirdışı Metallerin Üretimi, Undergraduate, 2013 - 2014
Malzeme Analiz Teknikleri, Undergraduate, 2014 - 2015
Malzemenin Mekanik Özellikleri I, Undergraduate, 2014 - 2015

Advising Theses

Özer A., YFC ve bağlayıcıların jeopolimerin kumavemetine etkisinin incelenmesi, Postgraduate, E.Divarçı(Student), Continues

Özer A., Yüksek mukavemetli beton eldesinde YFCnin farklı oranlarda kullanılabilirliğinin araştırılması, Postgraduate, Y.ACI(Student), Continues

Özer A., Al₂O₃-SiO₂-TiO₂ PVD kaplamalarına 2-3-4 dopantların fotokatalitik özelliklere etkilerinin incelenmesi, Doctorate, A.ÇETİN(Student), Continues

Özer A., Savaş V., Farklı standartlardaki paslanmaz çelik ve sade karbonlu çelikçiftlerinin sürtünme karıştırma kaynak yöntemiyle birleştirilmesi, mekanik özelliklerinin ve mikroyapılarının incelenmesi, Doctorate, Y.ALNAK(Student), 2020

Özer A., pHEMA-Silikon hidrojel kompozisyonlarının üretimi karakterizasyonu ve Optik-Fiziksel özelliklerin incelenmesi, Postgraduate, M.SÜBÜTAY(Student), 2019

Özer A., Karbon tabanlı koloidal süspansiyonların polimer yüzeylere kaplanması ve antibakteriyel performanslarının belirlenmesi, Postgraduate, U.HİLAL(Student), 2019

Özer A., Lityum-silikat (LS) ve lityum-alümina-silikat camseramiklerinin sinterlenmesi ve optik özelliklerinin incelenmesi, Postgraduate, S.İNCE(Student), 2019

Özer A., Müllit-spinel tabanlı refrakterlere alümina silika ilavesinin refrakterlik ve mekanik özelliklerine etkisi, Postgraduate, F.TONBAKTEPE(Student), 2019

Özer A., Al ve cam matrisli B₄C sinter seramik ile tabakalı kompozit üretimi ve karakterizasyonu, Postgraduate, Ç.KIRIKLAR(Student), 2018

ÖZER A., Al-Ti alaşımlarına b-c-n ilavesi ile kompozit tozların in-situ üretimi ve al alaşımlarına tane inceltici olarak uygulanması, Postgraduate, M.ARIKOĞLU(Student), 2017

ÖZER A., Farklı yöntemlerle üretilmiş Al₂O₃-ZrO₂-SiC nanokompozitlerinin mekanik ve fiziksel özelliklerinin karakterizasyonu, Postgraduate, E.TURPÇU(Student), 2017

ÖZER A., Al₂O₃-ZrO₂-grafen tabakalı kompozitlerin mekanik ve aşınma özelliklerinin incelenmesi, Postgraduate, M.SONUÇ(Student), 2016

Jury Memberships

Doctoral Examination, Doctoral Examination, Sivas Cumhuriyet Üniversitesi, July, 2021

Doctoral Examination, Doctoral Examination, Sivas Cumhuriyet Üniversitesi, March, 2021

Doctoral Examination, Doctoral Examination, Sivas Cumhuriyet Üniversitesi, March, 2021

Post Graduate, Post Graduate, Sivas Cumhuriyet Üniversitesi, February, 2020

Doctorate, Doctorate, Sivas Cumhuriyet Üniversitesi, February, 2020

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Sivas Cumhuriyet Üniversitesi, January, 2020

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Sivas Cumhuriyet Üniversitesi, January, 2020

Doctoral Examination, Doctoral Examination, Sivas Cumhuriyet Üniversitesi, January, 2020

Post Graduate, Post Graduate, Sivas Cumhuriyet Üniversitesi, November, 2019

Post Graduate, Post Graduate, Sivas Cumhuriyet Üniversitesi, October, 2019

Post Graduate, Post Graduate, Sivas Cumhuriyet Üniversitesi, June, 2019

Post Graduate, Post Graduate, Sivas Cumhuriyet Üniversitesi, June, 2019

Taught Courses And Trainings

Özer A., SEM UZMAN YETİŞTİRME, 2019 - 2019

Designed Programs

Özer A., Postgraduate, Birbirine Bağlı Tek Bir Diploma, Arkeometri , 2022 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Abaca fiber as an efficient reinforcement for high mechanical performance in metakaolin-based geopolymers**
Constâncio Trindade A. C., Sood S. S., Silva D. d. C., Ozer A., Kriven W. M.
International Journal of Applied Ceramic Technology, vol.21, no.2, pp.1154-1169, 2024 (SCI-Expanded)
- II. **Silk sericin-hydroxyapatite nanoribbons toward structurally stable osteogenic scaffolds**
Goksen Tosun N., Özer A., Bektas T., Öksüz K. E., Erden Tayhan S., Ozdemir T.
Journal of the Australian Ceramic Society, vol.59, no.5, pp.1291-1301, 2023 (SCI-Expanded)
- III. **Phase variation and mechanical properties of waste calcium carbonate to substitute quartz in composite slab production**
Baş S., Güler T., Özer A., Aktürk S., Kriven W. M.
International Journal of Applied Ceramic Technology, vol.20, no.6, pp.3677-3690, 2023 (SCI-Expanded)
- IV. **A Comprehensive Archaeometric Analysis of a Novel Special Organic Finding in a Glass Unguentarium: NMR, FT-IR, SEM/EDX**
Pehlivan E., Yabaş E., Özer A.
JOURNAL OF THE AUSTRALIAN CERAMIC SOCIETY, vol.60, pp.1-10, 2023 (SCI-Expanded)
- V. **High-Performance Material for the Effective Removal of Uranyl Ion from Solution: Computationally Supported Experimental Studies**
Şimşek S., Derin Y., Kaya S., Hasdemir Z. M., Katin K. P., Özer A.
LANGMUIR, vol.1, no.1, pp.1-16, 2022 (SCI-Expanded)
- VI. **Synthesis and characterization of chitosan-vermiculite-lignin ternary composite as an adsorbent for effective removal of uranyl ions from aqueous solution: Experimental and theoretical analyses.**
Şenol Z. M., Kaya S., Şimşek S., Katin K. P., Özer A., Marzouki R.
International journal of biological macromolecules, vol.209, no.A, pp.1234-1247, 2022 (SCI-Expanded)
- VII. **Theoretical and experimental insights about the adsorption of uranyl ion on a new designed Vermiculite-Polymer composite**
Şimşek S., Kaya S., Mine Şenol Z. M., Ulusoy H. İ., Katin K., Özer A., Altunay N., Brahmi A.
Journal of Molecular Liquids, vol.352, 2022 (SCI-Expanded)
- VIII. **First-time evaluation and characterization of “Şarişša” mudbrick ceramics and findings by SEM–EDX and XRF: chasing the traces of fire**
Pehlivan E., Ozer S. A., Pehlivan G. F., Özer A.
Journal of the Australian Ceramic Society, vol.58, no.1, pp.49-62, 2022 (SCI-Expanded)
- IX. **Application of kaolinite-based composite as an adsorbent for removal of uranyl ions from aqueous solution: kinetics and equilibrium study**
HASDEMİR Z. M., KESKİN Z. S., ÖZER A., ŞİMŞEK S.
Journal of Radioanalytical and Nuclear Chemistry, vol.331, no.1, pp.403-414, 2022 (SCI-Expanded)
- X. **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 (SCI-Expanded)
- XI. **Investigation of nitrogen doped ZnO thin films: Effects on their structural and optical properties**
Hopoglu H., Aydmoglu H. S., Özer A., Şenadım Tüzemen E.
Optical Materials, vol.122, no.PART A, pp.111685, 2021 (SCI-Expanded)
- XII. **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 (SCI-Expanded)
- XIII. **EVALUATION OF THE MICROHARDNESS OF DIFFERENT RESIN-BASED DENTAL RESTORATIVE MATERIALS TREATED WITH GASTRIC ACID: SEM-EDX ANALYSIS**
Ünal M., Candan M., İpek İ., Küçükoflaz M., Özer A.
Microscopy Research And Technique, vol.85, pp.1-8, 2021 (SCI-Expanded)
- XIV. **Novel natural spider silk embedded electrospun nanofiber mats for wound healing**

- Öksüz K. E., Özkaya N. K., İnan Z. D. Ş., Özer A.
Materials Today Communications, vol.26, 2021 (SCI-Expanded)
- XV. **An investigation of corrosive effects on zirconia with different crystal structures**
Soygun K., Özer A., Bolayır G., Ulucan M. Ç.
Microscopy Research And Technique, vol.1, pp.1-7, 2021 (SCI-Expanded)
- XVI. **Gallium oxide films deposition by RF magnetron sputtering; a detailed analysis on the effects of deposition pressure and sputtering power and annealing**
Mobtakeri S., Akaltun Y., Özer A., Kılıç M., Şenadım Tüzemen E., Gür E.
Ceramics International, vol.47, no.2, pp.1721-1727, 2021 (SCI-Expanded)
- XVII. **Synthesis and characterization of chitosan-vermiculite composite beads for removal of uranyl ions: isotherm, kinetics and thermodynamics studies**
Hasdemir Z. M., Şimşek S., Özer A., Şenol Arslan D.
Journal of Radioanalytical and Nuclear Chemistry, vol.327, no.1, pp.159-173, 2021 (SCI-Expanded)
- XVIII. **Synthesis and characterization of a polyacrylamide-dolomite based new composite material for efficient removal of uranyl ions**
Senol Z. M., Şimşek S., Ulusoy H. İ., Özer A.
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, vol.324, pp.317-330, 2020 (SCI-Expanded)
- XIX. **Removal of food dyes from aqueous solution by chitosan-vermiculite beads**
Şenol Z. M., Gürsoy N., Şimşek S., Özer A., Karakuş N.
International Journal of Biological Macromolecules, vol.148, pp.635-646, 2020 (SCI-Expanded)
- XX. **The effect of yttrium oxide in hydroxyapatite/aluminum oxide hybrid biocomposite materials: Phase, mechanical and morphological evaluation**
Der Einfluss von Yttriumoxid in Hydroxylapatit/Aluminiumoxid hybriden Bioverbundwerkstoffen: Gefüge, mechanische und morphologische Evaluation
Özer A., Öksüz K. E.
MATERIALWISSENSCHAFT UND WERKSTOFFTECHNIK, vol.50, pp.1382-1390, 2019 (SCI-Expanded)
- XXI. **Effect of Calcination on Microstructure Development and Properties of Hydroxyapatite Powders Extracted from Human and Bovine Bones**
Öksüz K. E., Kılınç S., Özer A.
TRANSACTIONS OF THE INDIAN CERAMIC SOCIETY, vol.78, pp.41-45, 2019 (SCI-Expanded)
- XXII. **The surface and phase analysis studies on dental bioceramics subjected to different mouthrinse solutions**
Özer A., Soygun K., Bolayır G.
JOURNAL OF THE AUSTRALIAN CERAMIC SOCIETY, vol.54, pp.475-481, 2018 (SCI-Expanded)
- XXIII. **Investigations on the effects of mouthrinses on the colour stability and surface roughness of different dental bioceramics**
Soygun K., Varol O., Özer A., Bolayır G.
JOURNAL OF ADVANCED PROSTHODONTICS, vol.9, pp.200-207, 2017 (SCI-Expanded)
- XXIV. **High Energy Ball Milling of YAG Powders: Sintering Properties and Microstructural Evaluation**
Ozer A., Kilic O. B.
ACTA PHYSICA POLONICA A, vol.131, no.3, pp.329-331, 2017 (SCI-Expanded)
- XXV. **Effect of Yttria on the Phase Formation and Sintering of HA-Al₂O₃ Biocomposites**
Öksüz K. E., Özer A.
ACTA PHYSICA POLONICA A, vol.131, pp.576-579, 2017 (SCI-Expanded)
- XXVI. **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 (SCI-Expanded)
- XXVII. **Sintering behaviour and mechanical properties of Cr₃C₂-NiCr cermets**
Ozer A., Tur Y. K.
BULLETIN OF MATERIALS SCIENCE, vol.36, no.5, pp.907-911, 2013 (SCI-Expanded)
- XXVIII. **The effect of 3 mol% Y₂O₃ stabilized ZrO₂ produced by a steric entrapment method on the**

mechanical and sintering properties of Cr₃C₂ based cermets

Ozer A., Kriven W. M., Tur Y. K.

MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, vol.556, pp.878-884, 2012 (SCI-Expanded)

XXIX. **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 (SCI-Expanded)

XXX. **Investigation of critical liquid fraction factor in nodular iron castings by computer simulation**

Kumruoglu L. C., Oezer A.

JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, vol.197, pp.182-188, 2008 (SCI-Expanded)

XXXI. **Microhardness evaluation of resin composites polymerized by three different light sources**

HUBBEZOĞLU İ., BOLAYIR G., DOĞAN O. M., DOĞAN A., ÖZER A., Bek B.

DENTAL MATERIALS JOURNAL, vol.26, no.6, pp.845-853, 2007 (SCI-Expanded)

XXXII. **Conductive potassium feldspar/polyaniline composites prepared by in situ chemical polymerization**

ÇETİNKAYA S., Karakışla M., Oezer A., SAÇAK M.

SYNTHETIC METALS, vol.157, pp.702-707, 2007 (SCI-Expanded)

Articles Published in Other Journals

I. **New Records of Diatoms (Bacillariales, Rhopalodiales & Surirellales) with Ultrastructure Details from the Black Sea Coast of Turkey**

DİRİCAN S., KALELİ A., YILMAZ E., ÖZER A., DAYIOĞLU H.

AQUATIC SCIENCES AND ENGINEERING, vol.37, no.1, pp.19-28, 2022 (ESCI)

II. **MIDDLE BRONZE AGE VITREOUS MATERIAL OF OYLUM HÖYÜK AND NEW FINDINGS**

Engin A., Atik Ş., Özer A.

Annales 2021, vol.21, pp.35-48, 2021 (Conference Book)

III. **Sürtünme Karıştırma Kaynağı ile Birleştirilen AISI 316 Paslanmaz Çelik ve Karbonlu Çelik Çiftlerinin Mekanik Özelliklerinin ve Mikroyapılarının İncelenmesi**

ALNAK Y., ÖZER A., SAVAŞ V.

Çukurova Üniversitesi Mühendislik Fakültesi dergisi, vol.36, no.3, pp.719-733, 2021 (Peer-Reviewed Journal)

IV. **Characterization of gallium oxide/glass thin films grown by RF magnetron sputtering**

Mobtakeri S., Şenadım Tüzemen E., Özer A., Gür E.

Cumhuriyet Science Journal, vol.41, no.4, pp.929-937, 2020 (Peer-Reviewed Journal)

V. **The Effect of Ball Milling Speed on the Penetration of Cr And Zr into Cu for Production of Cu₁CrZr Alloy Powder**

Kul M., Özer A., Öksüz K. E., Kurt N.

International Scientific Journal Machines. Technologies. Materials., vol.13, no.8, pp.362-366, 2019 (Peer-Reviewed Journal)

VI. **Microstructural evaluation and cytotoxicity investigations of α-Al₂O₃ bone replacement materials**
ÖZER A.

Cumhuriyet Tıp Dergisi, vol.40, no.2, pp.135-141, 2018 (Peer-Reviewed Journal)

VII. **MICROSTRUCTURAL CHARACTERISATION OF Co-Cr-Mo CASTING DENTAL ALLOYS**

Szala M., Beer-Lech K., Gancarczyk K., Kilic O. B., Pedrak P., ÖZER A., Skic A.

ADVANCES IN SCIENCE AND TECHNOLOGY-RESEARCH JOURNAL, vol.11, no.4, pp.76-82, 2017 (ESCI)

VIII. **Formation of Al-Ti-B Phases For Grain Refinement Of Al Alloys Produced By High Energy Ball Milling**

Arikoğlu M., APAYDIN F., ÖZER A.

Material Science Forum, no.907, pp.188-192, 2017 (Scopus)

IX. **Effects of Different Curing Unites on Bulk Fill Composites**

SOYGUN K., ÜNAL M., ÖZER A., GÜLNAHAR E., BOLAYIR G.

international journal of oral and dental health, vol.1, no.3, pp.1-5, 2015 (Peer-Reviewed Journal)

- X. **ÇİMENTO İLE YER DEĞİŞTİREBİLİR SERAMİK YAPILARIN MALZEMELERİN FAZ OLUŞUMU ve MUKAVEMETE ETKİSİ**
ÖZER A., ŞAHBUDAK K.
Cumhuriyet Yer Bilimleri Dergisi, vol.32, pp.5-13, 2014 (Peer-Reviewed Journal)
- XI. **Tetragonal Zirkonya Katkılı Cr₃C₂-NiCr Sermet Kompozitlerin Karakterizasyonu ve Mekanik Özellikleri**
ÖZER A., TÜR Y. K.
Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.14, pp.375-180, 2014 (Peer-Reviewed Journal)
- XII. **An investigation of microhardness cured different flow bulk fill composites Farklı akışkan bulk fill kompozitlerin mikrosertliklerinin araştırılması**
SOYGUN K., ÜNAL M., ÖZER A., GÜLNAHAR E., BOLAYIR G.
CUMHURİYET DENTAL JOURNAL, vol.17, no.1, pp.64-69, 2014 (Scopus)
- XIII. **Farklı akışkan bulk fill kompozitlerin mikrosertliklerinin araştırılması**
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- XIV. **An experimental study on the effects of SiC on the sintering and mechanical properties of Cr₃C₂ NiCr cermets**
ÖZER A., KRIVEN W., TÜR Y. K.
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- I. **FARKLI TÜRDEKİ FTALOSİYANİN BİLEŞİKLERİNİN İNCE FİLM YÜZEY MORFOLOJİLERİNİN İNCELENMESİ**
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- II. **Alumina-Zirkonya-GRAFEN TABAKALI KOMPOZİTLERİN KARAKTERİZASYONU**
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- I. **DEVELOPMENT OF GAMMA-RAY AND NEUTRON RADIATION SHIELDING USING GEOPOLYMER-PARTICULATE COMPOSITES**
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- II. **METAKAOLIN-BASED GEOPOLYMER COMPOSITE MODELING FOR HIGHER STRENGTH**
Sá Ribeiro R. A., Sa Riberio M., Samuel D., Özer A., Kriven W. M.
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- III. **REACTIVE METAL/GRAPHENE OXIDE DOPING TO FABRICATE POROUS GEOPOLYMERS FOR ARSENIC REMOVAL**
Qadeer A., Özer A., Kriven W. M.
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- IV. **In-situ Self-Healing and Self-Glazing Geopolymer Composites for high temperature Applications**
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- V. **Development of porous geopolymers using different methods: Preliminary results**

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- VI. **Geopolymer composite bamboo fiber reinforcement for high flexural strength and low water absorption (Invited)**

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- VII. **Metakaolin-based geopolymer matrix design for higher flexural strength (Invited)**

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- VIII. **Characterization of Poly(Vinyl Alcohol)/Sodium Alginate Nanofibers Produced By Electrospinning Method**

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- IX. **Thickness dependence of structural and optical properties of nitrogen doped ZnO thin films on glass**

Hopoğlu H., Aydınoğlu H. S., Özer A., Şenadım Tüzemen E.

2nd International Conference on Light and Light-based Technologies (ICLLT), Gazi University, Ankara, Turkey, Ankara, Turkey, 26 - 28 May 2021, pp.114

- X. **Studies on the Distribution of the Black Sea Region Diatoms**

DİRİCAN S., KALELİ A., YILMAZ E., ÖZER A., DAYIOĞLU H.

International Aegean Symposiums on Natural and Medical Sciences-III, İzmir, Turkey, 12 - 13 March 2021, pp.91-96

- XI. **The Importance of Geopolymer Structures in Turkey: Case of Diatomite Doped Fly Ash Based Geopolymers**

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- XII. **ÖSTENİTİK PASLANMAZ ÇELİKLERİN SÜRTÜNME KARIŞTIRMA KAYNAĞI İLE BİRLEŞTİRİLMESİ VE KARAKTERİZASYONU**

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- XIII. **The Effect of Different Rotation Speeds and Feedrates on the Friction Stir Welding of AISI304/AISI316 Stainless Steel Pairs**

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- XIV. **The influence of deposition pressure and sputtering power on the structural and optical properties of gallium oxide films deposited by RF magnetron sputtering**

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- XV. **A New Zinc Phthalocyanine-Graphene Oxide Hybrid For Biomedical Applications**

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- XVI. **The Effect of Ball Milling Speed on the Penetration of Cr and Zr into Cu for Production of Cu1CrZr Alloy Powder**

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- XVIII. **ORGANİK FİLM KAPLAMANIN FARKLI REZİN ESASLI MATERYALLERDEKİ YZEY PRZLLĐ VE RENK DEĐİřİMİ ZERİNE ETKİLERİ**
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- XIX. **Synthesis of Thiadiazole Tetrasubstituted Zinc Phthalocyanine Compound and Investigation of the Potential Use in Organic Solar Cells**
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- XX. **The sintering properties of Cu₁CrZr alloys produced by mechanochemical activation**
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- XXIV. **ANTIBACTERIAL EFFECT OF CARBON-BASED NANOMATERIALS: AN IN VITRO STUDY**
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- XXV. **THE ELEMENTAL AND STRUCTURAL ANALYSIS OF ARCHAEOLOGICAL FINDINGS: OYLUM HYK CASE REPORT**
BOZKURT A., BOZKURT D., ZER A., ENGİN A.
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- XXVI. **CHARACTERIZATION OF FLY ASH-PERLITE CEMENT LIKE MORTARS FOR NEXT GENERATION CONCRETE INDUSTRY: from A Viewpoint of Pore Formation and Phase Analysis**
řAHBUDAK K., ZER A.
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- XXVII. **Synthesis and Characterization of CeO₂ Doped ZrO₂ Ceramics by a Simple Sol-Gel Route**
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ZER U. H., KSZ K. E., ZER A.
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- XXIX. **Formation Of Al-Ti Based Phases For Grain Refinement Of Al Alloys Produced By High Energy Ball Milling**

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XXX. XRD Analysis and FTIR Study on Calcined Bones

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10th International Conference on Materials Science Engineering – BraMat 2017, Brasov, Romania, 8 - 11 March 2017, vol.1, pp.85

XXXI. Some mechanical and physicochemical properties of potato starch based edible film

Gölge E., Özer A., Bostancı E.

The Food Factor I Barcelona Conference Barcelona (Spain), 2-4 November 2016, Barcelona, Spain, 2 - 04 November 2016, pp.277

XXXII. FARKLI BİOSERAMİKLERDE AĞIZ GARGARALARININ RENK STABİLİTESİ VE YÜZEY PÜRÜZLÜLÜĞÜ ÜZERİNE ETKİLERİNİN ARAŞTIRILMASI

SOYGUN K., Varol O., ÖZER A., BOLAYIR G.

20th International Congress on Aesthetic Dentistry, İstanbul, Turkey, 21 - 23 October 2016

XXXIII. TiO₂ Grafen Nano Kompozit Partikül Takviyeli Koruyucu Tekstillerin Geliştirilmesi

Öksüz K. E., Özer A.

12. Ulusal Kimya Mühendisliği Kongresi (UKMK2016), İzmir, Turkey, 23 - 26 August 2016, vol.1, pp.1298-1309

XXXIV. INVESTIGATION OF TAPE CASTING PROCESS PARAMETERS FOR ALUMINA AND SILICA LAMINATED ARCHITECTURE

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1st Int. Materials Science and Technology in Cappadocia, Nevşehir, Turkey, 9 - 11 June 2016

XXXV. Sintering Behavior and Microstructural Evaluation of MgO Doped Al₂O₃

Özer A., Kumruoğlu L. C., Çelik M., Emircan Ç., Öksüz K. E.

18th International Conference Materials, Methods Technologies, Burgas, Bulgaria, 26 - 30 June 2016, vol.10, pp.367-373

XXXVI. pH Dependency EIS Study and Characterization of Geopolymer Structures Derived from Fly Ash

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APMAS 2016, İstanbul, Turkey, 1 - 03 June 2016, pp.141

XXXVII. Effect of Yttria on the Phase Formation and Sintering of HA Al₂O₃ Biocomposites

ÖKSÜZ K. E., ÖZER A.

BIOMATSEN 2016, 1 - 03 June 2016

XXXVIII. HIGH ENERGY BALL MILLING OF YAG POWDERS SINTERING PROPERTIES AND MICROSTRUCTURAL EVALUATION

ÖZER A., KILIÇ O. B.

APMAS 2016, İstanbul, Turkey, 1 - 03 June 2016

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Materials, Methods & Technologies, Journal of International Scientific Publications, Sozopol, Bulgaria, 10 - 13 January 2016, pp.367-373

XL. Phase and Morphological Evaluation of Mechanically Activated Sintered YAG Powders

Öksüz K. E., Apaydin F., Bozdağ A. E., Cevik M., Ozer A.

5th International Biennial Conference on Ultrafine Grained and Nanostructured Materials, UFGNSM15, Tehran, Iran, 11 - 12 November 2015, vol.11, pp.44-48

XLI. 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

XLII. Low cost-environmentfriendly lightweight brick production and their properties from recycled coal fly ash,

ŞAHBUDAK K., çağlar B., ÖZER A., KUMRUOĞLU L. C., Nihal Ö.

ISBE 2014, 28 July - 03 August 2014

- XLIII. **Usability of Sivas Kangal Coal Plant fly ash as environment friendly "geopolymeric" end-products,**
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- XLIV. **Plazma Ark Işık Kaynağının Farklı Bulk Fill Kompozitlerin Mikrosertlikleri Üzerine Etkisi.**
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20. Ege Bölgesi Diş Hekimleri Odaları Uluslararası Bilimsel Kongre ve Sergisi, İzmir, Türkiye, 7 - 10 November 2013
- XLV. **Evaluation of Vickers Hardness and Depth of Cure of Different Bulk Fill Composites after Aging**
ÜNAL M., SOYGUN K., ÖZER A., GÜLNAHAR E., BOLAYIR G.
101. FDI Kongresi, İstanbul, Türkiye, 29 - 31 August 2013
- XLVI. **CR3C2-NİCR SERMETLERİN SİNERLENME DAVRANIŞI VE MEKANİK ÖZELLİKLERİNİN İNCELENMESİ**
ÖZER A., TÜR Y. K., DURAN C.
16. ULUSAL MEKANİK KONGRESİ, Kayseri, Turkey, 22 - 26 June 2009, vol.1, pp.903-910
- XLVII. **The Evaluation of Physical Properties of Sanitary Ware Ceramics**
ÇETİNKAYA S., ÖZER A., GÜLER T., AKDEMİR Ü.
11th International Conference on environment and Mineral Processing, 81-86, ČSVT HGF VŠB TU Ostrava, Czech Republic, Ostrava, Czech Republic, 31 May - 02 June 2007
- XLVIII. **A Research on the Effect of Kaolinite İllite Ratio in Sanitary Ware Applications**
ÇETİNKAYA S., GÜLER T., ÖZER A., YALÇIN H.
Brinding Clays, 43rd Annual Meeting of the CMS , 67, France, 2006., France, 3 - 07 June 2006
- XLIX. **The Preparation and Characterization of K Feldispat Polanilin Nanocomposite**
ÖZER A., ÇETİNKAYA S., ŞAHİN M., SAÇAK M.
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Supported Projects

- Özer A., Tuna E. B., Project Supported by Higher Education Institutions, PLGA elektroegirme fiberlere nanoparçacık ilavesi ile farklı yüzeylerde tutunma davranışları ve sitotoksitelerinin incelenmesi, 2021 - 2023
- Özer A., Project Supported by Higher Education Institutions, +2, +3, +4 Valans Oksitlerinin (ZnO, TiO₂, Al₂O₃) Fiziksel Buhar biriktirme (PVD) İle Cam Ve Safir Üzerinde Büyütülmesi; Optik Ve Fotokatalitik etkisinin araştırılması, 2021 - 2023
- Özer A., Şimşir M., Uzunsoy D., Kul M., TUBITAK Project, Grafen Takviyeli CuCr₁zr Matrisli Kompozitlerin Elektriksel, Termal Ve Mekanik Özelliklerinin İncelenmesi, 2017 - 2020
- Özer A., Savaş V., TUBITAK Project, Farklı Standartlardaki Paslanmaz Çelik ve Sade Karbonlu Çelik Çiftlerinin Sürtünme Karıştırma Kaynak Yöntemiyle Birleştirilmesi, Mekanik Özelliklerinin ve Mikroyapılarının İncelenmesi, 2018 - 2019
- Dirican S., Özer A., Project Supported by Higher Education Institutions, Karadeniz Bölgesi Diyatomelerinin Taksonomik Açından İncelenmesi, 2017 - 2019
- Özer A., Project Supported by Higher Education Institutions, pHEMA-SİLİKON HİDROJEL KOMPOZİSYONLARININ ÜRETİMİ, KARAKTERİZASYONU VE OPTİK-FİZİKSEL ÖZELLİKLERİNİN İNCELENMESİ, 2017 - 2019
- Özer A., Yapıcı K., Eltem R., Çelik O., Eskiizmir G., TUBITAK Project, Grafen Çinko Oksit Ve Nikel Oksit Nanopartikül Kaplanmış Basınç Eşitleme Tüplerinin Farklı Otopatojenik Bakteriyel Suşlara Bağlı Biyofilm Oluşumunun Azaltılmasındaki Etkinliğinin Araştırılması In Vitro Çalışma, 2016 - 2018
- ÖZER A., Project Supported by Higher Education Institutions, FARKLI KRİSTAL YAPIYA SAHİP ZİRKONYALARIN SİNERLEME UYGULAMALARININ DEĞİŞİK ORTAMLARDA KOROZYON VE MEKANİK DAVRANIŞLARINA ETKİSİNİN İNCELENMESİ, 2016 - 2018
- ÖZER A., Project Supported by Higher Education Institutions, Al-Ti tozlarına B-C-N ilavesiyle in situ tane incelticilerinin üretimi ve Al alaşımlarına uygulanabilirliğinin incelenmesi, 2016 - 2017
- ÖZER A., Project Supported by Higher Education Institutions, Farklı Yöntemlerle Üretilmiş Al₂O₃ ZrO₂ SiC Nano Kompozitlerinin Mekanik ve Fiziksel Özelliklerinin Karakterizasyonu, 2016 - 2017
- ÖZER A., TUBITAK Project, AŞIRI YÜKLER ALTINDA ÇALIŞAN KAM MİLLERİNE DLC KAPLAMA UYGULAYARAK KAPLAMA

DAVRANIŞLARININ İNCELENMESİ, 2016 - 2016

ÖZER A., Project Supported by Higher Education Institutions, Al₂O₃ ZrO₂ Grafen tabakalı kompozitlerinin mekanik ve aşınma özelliklerinin incelenmesi, 2015 - 2016

Özer A., Arıkoğlu M., TUBITAK Project, AL TİB2 AL Tİ B İÇEREN KOMPOZİT TOZLARIN TOZ METALÜRJİSİ YÖNTEMİ İLE TANE İNCELTİCİ OLARAK İN SİTU ÜRETİMİ, 2015 - 2015

Contractual Researches

Özer A., Bektaş Ö., Engin A., GAZİANTEP BÜYÜKŞEHİR BELEDİYESİ, YESEMİK HİTİT HEYKEL ATÖLYESİ YÜZEY ARAŞTIRMASI, 2019 - 2019

Özer A., Bektaş Ö., Gaziantep Üniversitesi, Yesemek Heykel Atölyesi Yüzey Araştırması, 2019 - 2019

Excavation And Surface Survey

Özer A., Bektaş Ö., Engin A., Surface Survey, YESEMİK HİTİT HEYKEL ATÖLYESİ, 2019 - 2020

Activities in Scientific Journals

JOURNAL OF THE AUSTRALIAN CERAMIC SOCIETY, Assistant Editor/Section Editor, 2020 - Continues

Research on Engineering Structures and Materials, Committee Member, 2018 - Continues

Journal of Material Science, Committee Member, 2018 - Continues

JOURNAL OF THE AUSTRALIAN CERAMIC SOCIETY, Committee Member, 2020 - 2020

Memberships / Tasks in Scientific Organizations

Türk Seramik Derneği, Principal Member, 2011 - Continues

American Ceramic Society, Associate Member, 2011 - Continues

TMMOB Metalurji Müh. Odası, Member, 2004 - Continues

Scientific Refereeing

Project Supported by Higher Education Institutions, BAP Research Project, Sivas Cumhuriyet University, Turkey, July 2021

Journal of Advanced Research in Natural and Applied Sciences, Other Journals, March 2021

MATERIALS TODAY COMMUNICATIONS, SCI Journal, February 2021

European Journal of Engineering Research and Science, Other Indexed Journal, August 2020

Cumhuriyet Science Journal, National Scientific Refreed Journal, July 2020

MICROSCOPY RESEARCH AND TECHNIQUE, Journal Indexed in SCI-E, October 2019

Bilecik Şeyh Edebali Üniversitesi Fen Bilimleri Dergisi, National Scientific Refreed Journal, September 2019

AFYON KOCATEPE ÜNİVERSİTESİ FEN VE MÜHENDİSLİK BİLİMLERİ DERGİSİ, National Scientific Refreed Journal, July 2019

Technopark, Sivas Cumhuriyet University, Turkey, June 2019

TUBITAK Project, 1002 - Quick Support Program, Sivas Cumhuriyet University, Turkey, April 2019

Project Supported by Higher Education Institutions, BAP Research Project, Sivas Cumhuriyet University, Turkey, February 2019

Project Supported by Higher Education Institutions, BAP MSc, Sivas Cumhuriyet University, Turkey, June 2018

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Sivas Cumhuriyet University,

Turkey, September 2017

MATERIALS & DESIGN, SCI Journal, July 2017

JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, SCI Journal, June 2014

MATERIALS & DESIGN, SCI Journal, March 2011

Mobility Activity

Research Scholarship Program, Research During Graduate Education, University of Illinois at Urbana-Champaign, United States Of America, 2010 - 2011

Metrics

Publication: 97

Citation (WoS): 221

Citation (Scopus): 316

H-Index (WoS): 8

H-Index (Scopus): 10

Congress and Symposium Activities

7th International Academic Conference on Economics, Business, Engineering and Social Sciences was held between 21-22 December, 2019 and was hosted by Tbilisi, Georgia., Working Group, Tbilisi, Georgia, 2019

Invited Talks

Arkeoloji Konuşmaları-1: Arkeometrik Yöntemlerin Temel Prensipleri, Seminar, Sivas Cumhuriyet Üniversitesi, Turkey, March 2021

Scholarships

2219-Purdue University Postdoctoral Fellow, TUBITAK, 2021 - Continues

Doktora Araştırma Bursu, University, 2010 - 2011

Awards

Öksüz K. E., Özer A., 1st Award for Best Poster Presentation, Transilvania University Of Brasov, March 2017

Özer A., Soygun K., 2nd Best for Poster Presentation, Aegean Dentistry, July 2015

Representation and Promotion Activities

Institutional Promotion, Erciyes Üniversitesi, Turkey, Kayseri, 2021 - 2021

Institutional Promotion, Amasya Üniversitesi, Turkey, Amasya, 2019 - 2019