

## Assoc. Prof. KERİM EMRE ÖKSÜZ

### Personal Information

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### International Researcher IDs

ScholarID: SZvXz-oAAAAJ

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Yoksis Researcher ID: 59245

### Education Information

Postgraduate, Sivas Cumhuriyet University, Fen Bilimleri Enstitüsü, Biyomühendislik Ana Bilim Dalı, Turkey 2023 - Continues

Doctorate, Sakarya University, Faculty Of Engineering, Department Of Metallurgical And Materials Engineering, Turkey 2011 - 2018

Postgraduate, Sivas Cumhuriyet University, Mühendislik Fakültesi, Metalürji ve Malzeme Mühendisliği, Turkey 2008 - 2011

Undergraduate, Sivas Cumhuriyet University, Mühendislik Fakültesi, Metalürji ve Malzeme Mühendisliği Bölümü, Turkey 2003 - 2007

### Biography

K. Emre Öksüz, born in 1984, is currently working as a researcher/lecturer at Sivas Cumhuriyet University (2024), Sivas, Turkey. His primary research interest is a materials science, focusing on composite materials, piezoelectric and biomaterials, wear mechanism and characterization techniques. Öksüz finished his Ph.D. studies at Sakarya University, Turkey, in 2018.

### Foreign Languages

English, C1 Advanced

German, B1 Intermediate

### Certificates, Courses and Trainings

Vocational Course, Taramalı Elektron Mikroskobu (SEM) Sertifikası, ATÜSEM, Atılım Üniversitesi, Ankara, Atılım Üniversitesi, 2008

Vocational Course, Malzeme Karakterizasyon Teknikleri Sertifikası, ATÜSEM, Atılım Üniversitesi, Ankara, Atılım Üniversitesi, 2008

Foreign Language, Avrupa'da Uluslar arası Gençlik Kampları, İngilizce-Fransızca destekli gençlik festivali, programı,

(UNESCO/CCIVS–Le Comité de coordination pour le Service Volontaire International ),Tunis,TUNUS, by United Nations Educational, Scientific, and Cultural Organization (UNESCO), 2007  
Foreign Language, Avrupa’da Uluslar arası Gençlik Kampları, Almanca destekli gençlik festivali programı, (UNESCO/CCIVS – Coordinating Committee for International Voluntary Service), Baden-Württemberg, Stuttgart, ALMANYA , by United Nations Educational, Scientific, and Cultural Organization (UNESCO), 2006  
Foreign Language, Gerçek Dil Merkezi, Almanca Dil Kursu, ( 3 Ay) M.E.B onaylı dil sertifikası. Sivas, TÜRKİYE, Milli Eğitim Bakanlığı , 2004

## Dissertations

Doctorate, The Effect of Various Oxides on the Electrical Properties of BaTiO<sub>3</sub> Based Ceramics, Sakarya University, Faculty Of Engineering, Department Of Metallurgical And Materials Engineering, 2018  
Postgraduate, Toz metalurjisi yöntemiyle kesici uç (Soket) üretilmesi ve karakterizasyonu, Sivas Cumhuriyet Üniversitesi, Mühendislik Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, 2011

## Research Areas

Biomedical Engineering, Biomechanics, Metallurgical and Materials Engineering, Material science and engineering, Ceramic Materials, Semiconductor and Superconductor Materials, Mechanical Properties, Electrical and Magnetic Properties, Composites, Polymeric Materials, Biomaterials, Thermal Treatment, Material Characterization, Mechanical Metallurgy, Metallic Materials, Nanomaterials, Thermal Properties, Engineering and Technology

## Academic Titles / Tasks

Associate Professor, Sivas Cumhuriyet University, Mühendislik Fakültesi, Metalürji Mühendisliği, 2024 - Continues  
Assistant Professor, Sivas Cumhuriyet University, Mühendislik Fakültesi, Metalürji Mühendisliği, 2020 - 2024  
Research Assistant PhD, Sivas Cumhuriyet University, Mühendislik Fakültesi, Metalürji Mühendisliği, 2018 - 2020  
Research Assistant, Sivas Cumhuriyet University, Mühendislik Fakültesi, Metalürji Mühendisliği, 2010 - 2018

## Academic and Administrative Experience

Head of Department, Sivas Cumhuriyet University, Mühendislik Fakültesi, Metalürji Mühendisliği, 2024 - Continues  
Assistant Manager of Research and Application Center, Sivas Cumhuriyet University, Rektörlük, Rektörlük, 2024 - Continues  
Faculty Board Member, Sivas Cumhuriyet University, Mühendislik Fakültesi, SCÜ Dekanlık Dr. Öğretim Üyesi Temsilcisi, 2023 - 2024  
Deputy Head of Department, Sivas Cumhuriyet University, Mühendislik Fakültesi, Metalürji Mühendisliği, 2019 - 2024  
Teknofest and Competitions Coordinator, Sivas Cumhuriyet University, Mühendislik Fakültesi, Metalürji Mühendisliği, 2022 - 2022

## Courses

MET 5999 Seminer Dersi, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021  
Biyomalzemelerin Klinik Uygulamaları, Doctorate, 2023 - 2024, 2022 - 2023  
Biyomalzemelerin Mekaniği: İmplant Tasarımı ve Karakterizasyonu, Doctorate, 2022 - 2023, 2021 - 2022  
MET 5009 Nano Malzemeler ve Nano Teknolojisi, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022  
MET 5000 Uzmanlık Alan Dersi, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

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

- I. **Investigation of physicochemical and biological properties of boron-doped biochar**  
Ateş A., Aydemir B., Öksüz K. E.  
Biomass Conversion and Biorefinery, vol.14, no.20, pp.26355-26369, 2024 (SCI-Expanded)
- II. **Bioactive coatings on biopolymer materials: evaluation of mechanical, physical, thermal, and in vitro properties**  
ÖKSÜZ K. E.  
Journal of the Australian Ceramic Society, vol.60, no.4, pp.1265-1280, 2024 (SCI-Expanded)
- III. **From biopolymer matrix to medicine: the drug delivery dynamics of amoxicillin-loaded PVA/SA/ZnONPs hydrogels**  
Abuhamed N., Arslan S., Öksüz K. E., Dinçer E.  
International Journal of Polymeric Materials and Polymeric Biomaterials, 2024 (SCI-Expanded)
- IV. **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)
- V. **Plant-inspired adhesive and injectable natural hydrogels: in vitro and in vivo studies**  
Bohórquez-Moreno C. D., Öksüz K. E., Dinçer E., Hepokur C., Şen İ.  
Biotechnology Letters, vol.45, no.9, pp.1209-1222, 2023 (SCI-Expanded)
- VI. **Anti-adhesive effect of naturally obtained dicalcium phosphate dihydrate nanoparticles in the rat uterine wound model Efecto antiadhesivo de nanopartículas de dihidrato de fosfato dicálcico obtenidas naturalmente en el modelo de herida uterina de rata**  
Kurt B., Öksüz K. E., Sahin-Inan Z. D., Hepokur C.  
Cirugia y Cirujanos (English Edition), vol.91, no.4, pp.457-467, 2023 (SCI-Expanded)
- VII. **Novel Bioactive Glass/Graphene Oxide-Coated Surgical Sutures for Soft Tissue Regeneration**  
Öksüz K. E., Kurt B., Şahin İnan Z. D., Hepokur C.  
ACS Omega, vol.8, no.24, pp.21628-21641, 2023 (SCI-Expanded)
- VIII. **POROUS POLYMER SCAFFOLDS DERIVED FROM BIORESOURCES FOR BIOMEDICAL APPLICATIONS**  
Bohorquez-Moreno C. D., Öksüz K. E., Dinçer E.  
Cellulose Chemistry and Technology, vol.57, no.1-2, pp.107-116, 2023 (SCI-Expanded)
- IX. **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)
- X. **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)
- XI. **Effect of Composition and Sintering Temperature on the Structure and Properties of Porous Bioactive Glass Scaffolds**  
Öksüz K. E.  
CHIANG MAI JOURNAL OF SCIENCE, vol.46, pp.568-578, 2019 (SCI-Expanded)
- XII. **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)
- XIII. **Processing and characterization of porous SiC/NiTi alloys for biomedical applications**  
Şimşir M., Akkan H., Öksüz K. E.  
KOVVOVE MATERIALY-METALLIC MATERIALS, vol.57, pp.363-369, 2019 (SCI-Expanded)
- XIV. **Effect of Yttria on the Phase Formation and Sintering of HA-Al<sub>2</sub>O<sub>3</sub> Biocomposites**

- Öksüz K. E., Özer A.  
ACTA PHYSICA POLONICA A, vol.131, pp.576-579, 2017 (SCI-Expanded)
- XV. **Influence of ZrO<sub>2</sub> Addition on the Structure and Dielectric Properties of BaTiO<sub>3</sub> Ceramics**  
Öksüz K. E., Şen Ş., Şen U.  
ACTA PHYSICA POLONICA A, vol.131, pp.197-199, 2017 (SCI-Expanded)
- XVI. **Tribological behavior of Al<sub>2</sub>O<sub>3</sub> and B<sub>4</sub>C particle-reinforced copper matrix investigated by the Taguchi method**  
Şahin Y., Öksüz K. E.  
MATERIALS TESTING, vol.58, pp.453-461, 2016 (SCI-Expanded)
- XVII. **Microstructure and Hardness Characteristics of Al<sub>2</sub>O<sub>3</sub>-B<sub>4</sub>C Particle-Reinforced Cu Matrix Composites**  
Öksüz K. E., Şahin Y.  
ACTA PHYSICA POLONICA A, vol.129, pp.650-652, 2016 (SCI-Expanded)
- XVIII. **MICROSTRUCTURAL AND PHASE STUDY OF Y<sub>2</sub>O<sub>3</sub> DOPED HYDROXYAPATITE/Al<sub>2</sub>O<sub>3</sub> BIOCOSMOSITES**  
Öksüz K. E., Özer A.  
DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES, vol.11, pp.167-172, 2016 (SCI-Expanded)
- XIX. **The Effects of Aging on the Hardness and Wear Behaviour of 2124 Al Alloy/B<sub>4</sub>C Composites**  
Öksüz K. E., Oskay K. O.  
ACTA PHYSICA POLONICA A, vol.127, pp.1367-1369, 2015 (SCI-Expanded)
- XX. **Processing and Mechanical Properties of B<sub>4</sub>C/Diamond Impregnated Fe/Co MMC**  
Öksüz K. E., Şimşir M.  
ACTA PHYSICA POLONICA A, vol.127, no.4, pp.1139-1141, 2015 (SCI-Expanded)
- XXI. **Effects of B<sub>2</sub>O<sub>3</sub> Addition on the Sintering Behavior of 0-5-10% ZrO<sub>2</sub> Doped BaTiO<sub>3</sub> Based Ceramics**  
Öksüz K. E., Şen Ş., Şen U.  
ACTA PHYSICA POLONICA A, vol.127, pp.1086-1089, 2015 (SCI-Expanded)
- XXII. **Microstructural evaluation and characterization of solid-state reaction of B<sub>2</sub>O<sub>3</sub> doped BaZrxTi1-xO<sub>3</sub> ceramics**  
Öksüz K. E., Şen Ş., Şen U.  
JOURNAL OF THE AUSTRALIAN CERAMIC SOCIETY, vol.51, pp.137-143, 2015 (SCI-Expanded)
- XXIII. **Effects of Al<sub>2</sub>O<sub>3</sub> Nanopowders on the Wear Behavior of NiTi Shape Memory Alloys**  
Şahin Y., Öksüz K. E.  
JOM, vol.66, pp.61-65, 2014 (SCI-Expanded)
- XXIV. **Effects of sintering temperature and addition of Fe and B<sub>4</sub>C on hardness and wear resistance of diamond reinforced metal matrix composites**  
Şimşir M., Öksüz K. E.  
JOURNAL OF SUPERHARD MATERIALS, vol.35, no.6, pp.369-382, 2013 (SCI-Expanded)
- XXV. **TRIBOLOGICAL BEHAVIOUR OF Al<sub>2</sub>O<sub>3</sub>-Al<sub>2</sub>O<sub>3</sub> PARTICLE-REINFORCED COMPOSITES PRODUCED BY POWDER METALLURGY METHOD**  
Şahin Y., Öksüz K. E.  
JOURNAL OF THE BALKAN TRIBOLOGICAL ASSOCIATION, vol.19, pp.190-201, 2013 (SCI-Expanded)
- XXVI. **ABRASIVE WEAR BEHAVIOUR OF SiCp-REINFORCED Al<sub>2</sub>124 ALLOY COMPOSITE BASED ON THE TAGUCHI METHOD**  
Şahin Y., Öksüz K. E.  
JOURNAL OF THE BALKAN TRIBOLOGICAL ASSOCIATION, vol.19, pp.520-538, 2013 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Examination of Biological Activity of Passiflora edulis (Çarkıfelek) Extract via Phytochemical Analysis**  
Tunç T., Sümer Z., Öksüz K. E.

CUMHURİYET SCIENCE JOURNAL, vol.45, no.3, pp.465-470, 2024 (Peer-Reviewed Journal)

- II. **Sert Doku Uygulamaları İçin Makro Gözenekli Alüminyum Oksit-Bor Karbür Seramikleri Macro-Porous Aluminum Oxide-Boron Carbide Ceramics for Hard Tissue Applications**  
Öksüz K. E.  
Recep Tayyip Erdoğan Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.4, no.2, pp.65-75, 2023 (Peer-Reviewed Journal)
- III. **Al<sub>2</sub>O<sub>3</sub> PARTICLE SIZE EFFECT ON REINFORCED CU COMPOSITES PRODUCED BY HIGH ENERGY MILLING**  
Öksüz K. E.  
Adıyaman Üniversitesi Mühendislik Bilimleri Dergisi, vol.10, no.20, pp.125-134, 2023 (Peer-Reviewed Journal)
- IV. **Investigation of the structure and hardness properties of Anodonta anatina mussel shells**  
Öksüz K. E., Şereflişan H.  
SU URUNLERI DERGISI, vol.40, no.2, pp.132-139, 2023 (Peer-Reviewed Journal)
- V. **Microstructure of Eobania vermiculata (Müller, 1774): SEM, F-TIR and XRD methods**  
Öksüz K. E., Şereflişan H.  
Journal of agricultural production (Online), vol.3, no.2, pp.42-47, 2022 (Peer-Reviewed Journal)
- VI. **The Effect of Ball Milling Speed on the Penetration of Cr And Zr into Cu for Production of Cu<sub>1</sub>CrZr 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)
- VII. **Investigations on Microstructural and Raman Scattering Properties of B<sub>2</sub>O<sub>3</sub> Doped Ba(Ti<sub>1-x</sub>Zr<sub>x</sub>)O<sub>3</sub> Ceramics**  
Öksüz K. E., Şen Ş., Şen U.  
Chemistry Research Journal, vol.3, no.6, pp.71-75, 2018 (Peer-Reviewed Journal)
- VIII. **Properties of Nano Hydroxyapatite Powder Derived From Human Teeth**  
Öksüz K. E.  
Chemistry Research Journal, vol.3, no.6, pp.76-81, 2018 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Biocomposites: Advances in Research and Applications Chapter 6. Dental Bioceramics: From Lab to Clinical Practice**  
Öksüz K. E.  
in: Biocomposites: Advances in Research and Applications, James R. Bush, Editor, Nova Science Publishers, Inc., New York, pp.227-246, 2023
- II. **Biocomposites: Advances in Research and Applications Chapter 2. Boron-Substituted Biomaterials**  
Abuhamed N., Arslan S., Öksüz K. E.  
in: Biocomposites: Advances in Research and Applications, James R. Bush, Editor, Nova Science Publishers, Inc., New York, pp.105-140, 2023
- III. **Bioprinting the Human 3D-Printable Materials for Tissue Engineering**  
Öksüz K. E.  
in: Bioprinting the Human, Soner Şahin, MD – Professor, Faculty of Medicine, Department of Neurosurgery, Nisantasi University, Istanbul, Turkey, Kenan Demir, MD – Health Sciences University, Samsun Training and Research Hospital, Samsun Eğitim ve Araştırma Hastanesi, İlkadım, Turkey., Editor, NOVA Science Publishers Inc. , New York, pp.17-36, 2022
- IV. **High Performance and Optimum Design of Structures and Materials Book Section:11 Surface Modification**  
Öksüz K. E., Gün T., Şimşir M.  
in: High Performance and Optimum Design of Structures and Materials Book, W.P. De Wilde, Vrije Universiteit

Brussel,Belgium S. Hernández,University of A Coruña,Spain C.A. Brebbia,Wessex Institute of Technology,UK, Editor, WIT Press , London, pp.545-552, 2014

V. **Powder Metallurgy for Automotive Aluminium Alloys Hard and Super Hard Materials Book Composites Chapter 25: Investigation of Mechanical Behavior of B4C/Diamond Reinforced Fe/Co Metal Matrix Composites Produced by PM**

Şimşir M., Öksüz K. E., Şahin Y.

in: Powder Metallurgy for Automotive Aluminium Alloys Hard and Super Hard Materials Book, P.Ramakrishan, Editor, MEDTEC Publisher, Scientific Int.Pvt.Ltd., Pune, pp.203-209, 2014

## Refereed Congress / Symposium Publications in Proceedings

- I. **Demir (III) Oksit (Fe<sub>2</sub>O<sub>3</sub>) Nanopartikülerinin Asidik ve Alkali Ortamlarda Zeta Potansiyeli Değişimleri**  
ARSLAN S., ÖKSÜZ K. E.  
Karadeniz - 15th International Conference On Applied Sciences, Rize, Turkey, 08 March 2024, pp.254-260
- II. **Ratlarda Kritik Boyutlu Mandibula Korpus Defektinde Bor Katkılı Nano Hidroksiapatit Biyokompozitlerin Kemik Rejenerasyonu Üzerine Etkisinin Değerlendirilmesi**  
Demirkıran B. B., Şahin İnan Z. D., Hamutoğlu R., Öksüz K. E., Hasbek Z., Altuntaş E. E.  
44. Türk Ulusal Kulak Burun Boğaz ve Baş Boyun Cerrahisi Kongresi, Antalya, Turkey, 15 - 19 November 2023
- III. **Nanoparticle Production Using Food Waste: Sugar Beet Pulp (Paste) Example**  
Balcan O., Sarıoğlu Cebeci M., Öksüz K. E.  
ICONFOOD'23 2nd International Congress on Food Researches, Sivas, Turkey, 16 - 18 October 2023, pp.537
- IV. **Meme Kanseri Tedavisi için Sitratla Stabilize Edilmiş Fe<sub>3</sub>O<sub>4</sub> Nanopartikülleri/Pertuzumab İçeren Makro Gözenekli Süngerin Geliştirilmesi**  
Alandağ C., Aslan S., Öksüz K. E., Yılmaz Göç R.  
10. Türk Tıbbi Onkoloji Kongresi, Antalya, Turkey, 26 - 30 April 2023, pp.108
- V. **Asetaminofen ile Hasar Gören Böbreklerde Eritropoetin ve Mezenkimal Kök Hücre Uygulamasının Taramalı Elektron Mikroskobu ile Değerlendirilmesi**  
Göç R., Öksüz K. E., Çelik U., Çoban Z. B., Tandıroğlu A., Yay A. H., Açmaz G., Sezer G., Yakan B.  
KARADENİZ 9th International Conference on Applied Sciences, Artvin, Turkey, 25 - 26 June 2022, vol.1, pp.30-31
- VI. **Ardıç Yağı Katkılı Hidrofilik Fiber İpliklerin Antibakteriyel ve Hemolitik Aktivitelerinin İncelenmesi**  
Öksüz K. E., Göç R., Dinçer E., Akdeniz E., Şahin F. B., Çelik U.  
KARADENİZ 9th International Conference on Applied Sciences, Artvin, Turkey, 25 - 26 June 2022, vol.1, pp.32
- VII. **Biyoaktif Nanoseramik Katkılı Biyopolimer Filmlerin Üretimi ve Karakterizasyonu**  
Öksüz K. E., Göç R., Beyazıt C., Alizadehyegani N., Akbarlı N.  
KARADENİZ 9th International Conference on Applied Sciences, Artvin, Turkey, 25 - 26 June 2022, vol.1, pp.29
- VIII. **Characterization of Poly(Vinyl Alcohol)/Sodium Alginate Nanofibers Produced By Electrospinning Method**  
Tuna E. B., Öksüz K. E., Özer A.  
6nd International Conference on Material Science and Technology in Cappadocia (IMSTEC'21), Nevşehir, Turkey, 26 - 28 November 2021, vol.1, no.1, pp.409-413
- IX. **The Effect of Ball Milling Speed on the Penetration of Cr and Zr into Cu for Production of Cu<sub>1</sub>CrZr Alloy Powder**  
Kul M., Özer A., Öksüz K. E., Kurt N.  
XVI. International Scientific Conference Machines. Technologies., Sofija, Bulgaria, 11 - 14 September 2019, vol.3, pp.233-237
- X. **Preparation of Highly Porous ZrO<sub>2</sub> Bone Scaffold**  
Öksüz K. E.  
6. International Conference on Mathematics, Engineering, Natural Medical Sciences, (EJONS 6), Adana, Turkey, 8 - 10 March 2019, vol.1, pp.595-600

- XI. **Ultrahigh Density  $\alpha$ -Al<sub>2</sub>O<sub>3</sub> Ceramics Produced By Slip Casting**  
Öksüz K. E.  
6. International Conference on Mathematics, Engineering, Natural Medical Sciences, (EJONS 6), Adana, Turkey, 8 - 10 March 2019, vol.1, pp.585-594
- XII. **İpek serisin-Hap-RGD peptiti içeren nanofibriler liflerin kemik doku mühendisliği çalışmaları için üretilmesi**  
Bektaş T., Rischka K., Öksüz K. E., Özer A., Özdemir T.  
23. Biyomedikal Bilim ve Teknoloji Sempozyumu, BIOMED2018-TR, İstanbul, Turkey, 15 - 16 December 2018, vol.1, pp.132
- XIII. **The effect of ball milling time on the mechanochemical activation properties of Cu<sub>1</sub>CrZr alloys**  
Özer A., Öksüz K. E., Sübütay H., Kurt N., Şimşir M., Kumruoğlu L. C., Kul M.  
4th International Turkic World Conference on Chemical Sciences and Technologies ITWCCST 2018, Kiev, Ukraine, 7 - 10 September 2018, vol.1
- XIV. **The sintering properties of Cu<sub>1</sub>CrZr alloys produced by mechanochemical activation**  
Öksüz K. E., Sübütay H., Şimşir M., Kumruoğlu L. C., Kul M., Özer A.  
4th International Turkic World Conference on Chemical Sciences and Technologies ITWCCST 2018, Kyiv, Ukraine, 7 - 10 September 2018, vol.1, pp.0-63
- XV. **Structural Evolution and Dielectric Properties of Ba(Ti<sub>1-x</sub>Zr<sub>x</sub>)O<sub>3</sub> Perovskite Ceramics**  
Öksüz K. E., Şen Ş., Şen U.  
ICSTR Athens – International Conference on Science Technology Research, 19-20 July, 2018, Athens, Greece, 19 - 20 July 2018, vol.1, pp.9
- XVI. **Effect of SiC Particle Size on the Physical and Mechanical Properties of NiTi Alloys**  
Akkan H., Şimşir M., Öksüz K. E.  
10th International Conference on Materials Science Engineering (Bramat 2017), Brasov, Romania, 8 - 11 March 2017, vol.907, pp.3-7
- XVII. **The Influence of Composition and Calcination Temperature on the Phases in (Ba<sub>1-x</sub>Sr<sub>x</sub>Zr)O<sub>3</sub> Perovskites**  
Torman M., Öksüz K. E., Şen Ş., Şen U.  
10th International Conference on Materials Science Engineering (Bramat 2017), Brasov, Romania, 8 - 11 March 2017, vol.907, pp.38-42
- XVIII. **Tribological Behavior of Distaloy DC Components**  
Öksüz K. E., Aknalp Y. A., Kumruoğlu L. C.  
10th International Conference on Materials Science Engineering (Bramat 2017), Brasov, Romania, 8 - 11 March 2017, vol.907, pp.121-125
- XIX. **Dielectric Properties of Sr-Doped BaZrO<sub>3</sub> Ceramics**  
Torman M., Öksüz K. E., Şen Ş., Şen U.  
10th International Conference on Materials Science Engineering (Bramat 2017), Brasov, Romania, 8 - 11 March 2017, vol.907, pp.21-24
- XX. **Synthesis and Characterization of CeO<sub>2</sub> Doped ZrO<sub>2</sub> Ceramics by a Simple Sol-Gel Route**  
Özer U. H., Öksüz K. E., Özer A.  
10th International Conference on Materials Science Engineering (Bramat 2017), Brasov, Romania, 8 - 11 March 2017, vol.907, pp.56-60
- XXI. **Thermal behaviour and structure of BaZrO<sub>3</sub> nanoparticles**  
ÖKSÜZ K. E., ŞEN Ş., ŞEN U.  
4th Central and Eastern European Committee for Thermal Analysis and Calorimetry, Kişinev, Moldova, 28 - 31 August 2017, vol.1
- XXII. **Investigations on Microstructural and Dielectric Properties of Ba Ti<sub>1-x</sub>Zr<sub>x</sub>O<sub>3</sub> Ceramics**  
ÖKSÜZ K. E., ŞEN Ş., ŞEN U.  
6th International Advances in Applied Physics and Materials Science Congress Exhibition, İstanbul, Turkey, 1 - 03 June 2016
- XXIII. **TiO<sub>2</sub> Grafen Nano Kompozit Partikül Takviyeli Koruyucu Tekstillerin Geliştirilmesi**



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12. Ulusal Kimya Mühendisliği Kongresi (UKMK2016), İzmir, Turkey, 23 - 26 August 2016, vol.1, pp.1298-1309
- XXIV. **Microstructural and Dielectric Properties of Ba Ti1 xZrx O3 Nano ceramics**  
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- XXV. **Sintering Behavior and Microstructural Evaluation of MgO Doped Al2O3**  
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- XXVI. **Effect of Sintering Temperature on Dielectric Properties of SiO2 Doped BaTiO3 Ceramics**  
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- XXIX. **Processing and Characterization of Porous Ti-HA Biocomposites**  
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- XXX. **Effect of Sic(p) on the Microstructure and Mechanical Properties of Sintered Distaloy DC Composites**  
Öksüz K. E., Kumruoğlu L. C., Tur O.  
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- XXXIII. **Production of V-B Reinforced Fe Matrix Composites**  
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- XXXV. **Fabrication and Characterization of Porous Bioglass Ceramic**  
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4th International Conference on Mechanical and Aerospace Engineering (ICMAE 2013), Moscow, Russia, 20 - 21 July 2013, vol.390, pp.547-551
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- XXXVIII. **The Effect of Al2O3-SiC and B4C Additions on Mechanical Properties of CuSn Matrix Composites for Cutting Tools**  
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- XXXIX. **The Effect of B4C Additions on Mechanical Properties of Fe Cu Co Matrix Composites For Diamond Tools**  
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- XL. **TM Metodu ile Üretilen Al2O3 Takviyeli Alüminyum Esaslı Kompozitlerin Aşınma Davranışı için İstatiksel Model Oluşturulması**  
Şahin Y., Öksüz K. E.  
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- XLI. **The Microstructure and Hardness of Al2O3 Particle Reinforced Composite**  
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The 3rd International Conference on Mechanical and Aerospace Engineering, ICMAE'2012, Paris, France, 7 - 08 July 2012, vol.232, pp.39-44
- XLII. **Caratterizzazione di Materiali Compositi a Matrice Metallica Fe Co e Rinforzo B4C Impregnati di Diamante**  
Öksüz K. E., Şimşir M., Şahin Y.  
Diamante Applicazioni Tecnologia, Milan, Italy, 12 June - 12 September 2012, vol.18, pp.65-71
- XLIII. **Wear behavior of diamond plus SiCp-reinforced metal matrix composite by Taguchi method**  
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3rd International Conference on Manufacturing Science and Engineering (ICMSE 2012), Xiamen, China, 27 - 29 March 2012, pp.1309-1312
- XLIV. **Characterization of Diamond Impregnated B4C Fe Co MMC**  
Öksüz K. E., Şimşir M., Şahin Y.  
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- XLV. **Toz Metalurjisi ile Üretilen ve Mermer Doğal Taş Kesmede Kullanılan Kesici Uçlara B4C İlavesinin Etkilerinin İncelenmesi**  
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6. Uluslararası Toz Metalurjisi Konferansı ve Sergisi, (6IPMC), Ankara, Turkey, 5 - 09 October 2011, vol.1, pp.588-591
- XLVI. **The Effect of Process Parameters on Mechanical and Dry Wear Behavior of Aluminum Composite**  
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6th International Powder Metallurgy Conference and Exhibition (6IPMC), Ankara, Turkey, 5 - 09 October 2011, vol.1, pp.146-150
- XLVII. **Wear Studies on Diamond Reinforced Fe Co Based Metal Matrix Composites**  
Öksüz K. E., Şimşir M., Şahin Y.  
6th International Powder Metallurgy Conference and Exhibition (6IPMC), Ankara, Turkey, 5 - 09 October 2011, vol.1, pp.151-158

#### **XLVIII. Tribological Behavior of Diamond Reinforced Fe Co Composite by Taguchi Method**

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18th International Conference on Composite Materials, Jeju-Si, South Korea, 21 - 26 August 2011, vol.1, pp.1-6

#### **XLIX. Investigation of the wear behavior of B4C reinforced Fe/Co matrix composites produced by hot press**

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11th International Conference on the Mechanical Behavior of Materials (ICM), Como, Italy, 01 January 2011, vol.10, pp.3195-3201

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### **Supported Projects**

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Yılmaz Göç R., Öksüz K. E., Alandağ C., Project Supported by Other Private Institutions, Manyetik Özellikli ve Tetiklenebilir İlaç Dağılım Sistemlerinin Erken Evre Meme Kanserinde Uygulanması, 2022 - 2024

Oskay K. O., Öksüz K. E., Sayın K., Ersöz M., TUBITAK Project, Elektrodüksiyon Yöntemi İle Atık Kurşun Pastanın Geri Dönüşümü, 2022 - 2024

Oskay K. O., Ateş A., Öksüz K. E., Temel Ü. N., Project Supported by Higher Education Institutions, Biyokütleden Biyokömür ve Metal-Biyokömür Kompozit Malzemelerinin Üretimi ve Katalizör ve Enerji Uygulamaları, 2021 - 2024

Öksüz K. E., Project Supported by Higher Education Institutions, Savunma Sanayiinde Kullanılmak Üzere Tasarlanan İnsansız Su Altı Keşif Aracı ve Uygulamaları, 2021 - 2022

Demirkıran B. B., Öksüz K. E., Şahin İnan Z. D., Hamutoğlu R., Hasbek Z., Altuntaş E. E., Project Supported by Higher Education Institutions, Kritik Boyutlu Rat Mandibula Korpus Defektinde Bor Katkılı Nano Hidroksiapatit Biyokompozitlerin Kraniyofasiyal Kemik Rejenerasyonu Üzerindeki Etkisinin Histopatolojik ve Sintigrafik Düzeyde Değerlendirilmesi Proje No:T-2021-912, 2021 - 2022

Öksüz K. E., Şahin İnan Z. D., Özsoy C., Kurt B., Project Supported by Higher Education Institutions, Sıçan Uterin Yara İyileşmesi Modelinde Doğal Elde Edilmiş Bruşit Nanopartiküllerinin Yara İyileştirici Etkisi Proje No: T-2021-910, 2021 - 2022

Kul M., Kumruoğlu L. C., Öksüz K. E., Kurt A. O., Çalışkan F., TUBITAK Project, SİLİSYUM KARBÜR MATRİSLİ-NİTRÜR, KARBÜR, OKSİT TAKVİYELİ İLERİ TEKNOLOJİ SERAMİKLERİNDEN YÜKSEK SICAKLIKLARA DAYANIKLI KOMPOZİT EKİPMAN ÜRETİMİ, 2018 - 2019

Torman M., Öksüz K. E., Şen Ş., Şen U., Project Supported by Higher Education Institutions, Metal Oksit Katkılı Perovskit Yapılı Ba(Ti,Zr)O3 Seramiklerinin Üretimi ve Karakterizasyonu Proje No: 2016-01-08-054, 2016 - 2018

Öksüz K. E., Şen Ş., Şen U., Project Supported by Higher Education Institutions, Baryum Titanat Esaslı Seramiklere Çeşitli Oksit İlavelerinin Elektriksel Özellikler Üzerine Etkisi Proje No: 2013-01-08-029, 2012 - 2014

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Öksüz K. E., Şimşir M., Project Supported by Higher Education Institutions, Demir, Kobalt Esaslı Elmas Katkılı Metal Matris Kompozitlerin Üretimi Proje No: M-388, 2009 - 2011

### **Activities in Scientific Journals**

Journal of Mineral, Metal and Material Engineering, Committee Member, 2020 - Continues

SCIREA Journal of Metallurgical Engineering , Committee Member, 2018 - Continues

Materials Science: Materials Review, Committee Member, 2018 - Continues

Composite Materials Research, Committee Member, 2018 - Continues

Journal of Biomaterials, Committee Member, 2018 - Continues

Characterization and Application of Nanomaterials, Committee Member, 2018 - Continues

Asian Journal of Applied Science and Technology, Committee Member, 2016 - 2017

## **Memberships / Tasks in Scientific Organizations**

Scientific & Technical Research Association (STRA) (USA), Member, 2018 - Continues

American Association for Science and Technology (AASCIT) (USA), Member, 2015 - Continues

Asia-Pacific Chemical, Biological & Environmental Engineering Society (APCBEES) (HONG KONG) , Member, 2015 - Continues

Turkish Ceramic Society (TSD) (TÜRKİYE), Member, 2014 - Continues

## **Scientific Refereeing**

JOURNAL OF THE AUSTRALIAN CERAMIC SOCIETY, SCI Journal, January 2023

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JOURNAL OF THE AUSTRALIAN CERAMIC SOCIETY, Journal Indexed in SCI-E, August 2021

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JOURNAL OF THE AUSTRALIAN CERAMIC SOCIETY, Journal Indexed in SCI-E, May 2021

JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, Journal Indexed in SCI-E, May 2021

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JOURNAL OF THE AUSTRALIAN CERAMIC SOCIETY, Journal Indexed in SCI-E, November 2020  
BIOINSPIRED BIOMIMETIC AND NANOBOMATERIALS, Journal Indexed in SCI-E, November 2020  
ENGINEERING SCIENCE AND TECHNOLOGY-AN INTERNATIONAL JOURNAL-JESTECH, SCI Journal, September 2020  
BIOINSPIRED BIOMIMETIC AND NANOBOMATERIALS, Journal Indexed in SCI-E, August 2020  
POWDER TECHNOLOGY, SCI Journal, July 2020  
BIOINSPIRED BIOMIMETIC AND NANOBOMATERIALS, Journal Indexed in SCI-E, July 2020  
ACS OMEGA, SCI Journal, May 2020  
SN APPLIED SCIENCES, SCI Journal, April 2020  
ACTA METALLURGICA SINICA-ENGLISH LETTERS, SCI Journal, May 2019  
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ACTA METALLURGICA SINICA-ENGLISH LETTERS, SCI Journal, October 2016  
ACTA METALLURGICA SINICA-ENGLISH LETTERS, SCI Journal, February 2016

## Scientific Consultations

KOSGEB-TEKNOKENT, Project Consultancy, Sivas Cumhuriyet University, Mühendislik Fakültesi, Metalürji Mühendisliği, Turkey, 2022 - 2023

## Tasks In Event Organizations

Öksüz K. E., The 4th International Conference on Materials Science and Manufacturing Engineering (MSME 2021), Scientific Congress, Beijing, China, Kasım 2021  
Öksüz K. E., 2021 The 6th International Conference on Smart Materials Technologies (ICSMT 2021), Scientific Congress, Kazan, Russia, Mayıs 2021  
Öksüz K. E., 9th International Conference on Engineering and Innovative Materials (ICEIM 2020), Scientific Congress, Singapore, Singapore, Eylül 2020  
Öksüz K. E., 3rd International Joint Conference on Metallurgical and Materials Engineering (JCMME 2020), Scientific Congress, Seoul, South Korea, Temmuz 2020  
Öksüz K. E., International Conference on Recent Optimization Techniques in Science and Engineering (ROTSE 2020), Scientific Congress, Kolhapur, India, Mayıs 2020  
Öksüz K. E., International Joint Conference on Metallurgical and Materials Engineering (JCMME 2019), Scientific Congress, Auckland, New Zealand, Aralık 2019  
Öksüz K. E., International Conference on Advanced Mechanical Design, Systems and Manufacturing (AMDSA 2019), Scientific Congress, Shenzhen, China, Mart 2019  
Öksüz K. E., International Joint Conference on Metallurgical and Materials Engineering (JCMME 2018), Scientific Congress, Wellington, New Zealand, Aralık 2018  
Öksüz K. E., 3rd International Conference on Smart Materials Technologies (ICSMT 2018), Scientific Congress, Moscow, Russia, Haziran 2018  
Öksüz K. E., International Conference on Advanced Mechanical Design, Systems and Manufacturing (AMDSA 2018), Scientific Congress, Shanghai, China, Nisan 2018  
Öksüz K. E., 5th International Conference on Machine Design and Manufacturing (ICMDME 2018), Scientific Congress, Jakarta, Indonesia, Ocak 2018  
Öksüz K. E., 3rd International Conference on Education and Management Science (ICEMS 2018), Scientific Congress, Shenzhen, China, Ocak 2018  
Öksüz K. E., 2nd International Conference on Smart Materials Technologies (ICSMT 2017), Scientific Congress, Sankt-Peterburg, Russia, Ağustos 2017

## **Metrics**

Publication: 89

Citation (WoS): 63

Citation (Scopus): 166

H-Index (WoS): 5

H-Index (Scopus): 7

## **Congress and Symposium Activities**

6. International Conference on Mathematics, Engineering, Natural & Medical Sciences, (EJONS 6), Session Moderator, Adana, Turkey, 2019

## **Awards**

Demirkıran B. B., Şahin İnan Z. D., Hamutođlu R., Öksüz K. E., Hasbek Z., Altuntaş E. E., Ratlarda Kritik Boyutlu Mandibula Korpus Defektinde Bor Katkılı Nano Hidroksiapatit Biyokompozitlerin Kemik Rejenerasyonu Üzerine Etkisinin Deđerlendirilmesi, Türk Kulak Burun Bođaz Ve Baş Boyun Cerrahisi Derneđi, November 2023

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