

## Assoc. Prof. SERTAN OZAN

### Personal Information

**Email:** sertan.ozan@bozok.edu.tr

**Web:** <https://avesis.bozok.edu.tr/sertan.ozan>

### International Researcher IDs

ORCID: 0000-0003-1932-8308

Publons / Web Of Science ResearcherID: ABA-7585-2021

ScopusID: 55220442300

Yoksis Researcher ID: 130045



### Education Information

Post Doctorate, School of Engineering, Manufacturing, Materials and Mechatronics, Australia  
2017 - 2017

Doctorate, Ege University, Fen Bilimleri Enstitüsü, Konstrüksiyon Ve İmalat (Dr), Turkey  
2010 - 2015

Doctorate, Advanced Technologies Center, Australia 2013 - 2014

Postgraduate, Ege University, Fen Bilimleri Enstitüsü, Konstrüksiyon Ve İmalat (Yl) (Tezli),  
Turkey 2007 - 2010

Undergraduate, Afyon Kocatepe University, Uşak Mühendislik Fakültesi, Makine Mühendisliği  
Pr., Turkey 2003 - 2007

### Dissertations

Doctorate, Kemik-doku mühendisliği uygulamaları için geliştirilen Ti alaşımlarının mekanik özelliklerinin incelenmesi, Ege  
University, Fen Bilimleri Enstitüsü, Konstrüksiyon Ve İmalat (Dr), 2015

Postgraduate, Sert dolgu kaynağında dolgu alaşım elementlerinin aşınma direnci, mikroyapı ve seyrelme miktarları  
üzerine etkisi, Ege University, Fen Bilimleri Enstitüsü, Konstrüksiyon Ve İmalat (Yl) (Tezli), 2010

### Research Areas

Mechanical Engineering, Non-traditional manufacturing methods, Material, Plastic Forming Methods, Mechanical Testing,  
Biomaterials, Engineering and Technology

### Academic Titles / Tasks

Associate Professor, Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, Makine Mühendisliği, 2021 - Continues

Assistant Professor, Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, Makine Mühendisliği, 2016 - 2021

Research Assistant, Royal Melbourne Institute Of Technology (Rmit University), School Of Engineering, Manufacturing,  
Materials And Mechatronics, 2017 - 2017

Research Assistant, Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, Makine Mühendisliği, 2015 - 2016

Research Assistant, Ege University, Faculty Of Engineering, Makine Mühendisliği Bölümü, 2011 - 2015

Research Assistant, Swinburne University Of Technology, Faculty Of Science, Engineering And Technology, 2013 - 2014

Research Assistant, Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, Makine Mühendisliği, 2009 - 2011

## Academic and Administrative Experience

Eğitim-Öğretim Komisyonu , Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, Makine Mühendisliği, 2024 - Continues

Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, Makine Mühendisliği, 2023 - Continues

Altyapı ve Düzenleme Komisyonu , Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, Makine Mühendisliği, 2022 - Continues

Koordinasyon Komisyonu Üyesi, Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, Makine Mühendisliği, 2022 - Continues

Fikri Sınai ve Mülki Haklar Kurulu Üyesi, Yozgat Bozok University, 2021 - Continues

Akademik Yükseltme ve Atanma- Mühendislik-Mimarlık Fakültesi Birim Ön Değerlendirme Komisyonu Üyesi , Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, 2021 - Continues

Academic Council Member of Department, Yozgat Bozok University, Lisansüstü Eğitim Enstitüsü, İleri Malzemeler ve Nanoteknoloji (-Disiplinlerarası-), 2022 - 2023

Deputy Head of Department, Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, Makine Mühendisliği, 2019 - 2022

Bölüm Akademik Teşvik Değerlendirme Komisyonu Başkanı, Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, Endüstri Mühendisliği, 2020 - 2021

Fakülte Kurulu Üyesi, Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, 2019 - 2021

Head of Department, Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, Endüstri Mühendisliği, 2019 - 2021

Bölüm Akademik Teşvik Değerlendirme Komisyonu Başkanı, Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, Endüstri Mühendisliği, 2018 - 2020

Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, Makine Mühendisliği, 2018 - 2020

Fakülte Kurulu Üyesi, Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, 2016 - 2019

Deputy Head of Department, Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, Makine Mühendisliği, 2016 - 2019

Head of Department, Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, Endüstri Mühendisliği, 2016 - 2019

Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, Makine Mühendisliği, 2016 - 2016

## Courses

ÖZEL İMALAT YÖNTEMLERİ, Postgraduate, 2023 - 2024

BİYOMALZEMELERİN MEKANİK ÖZELLİKLERİ, Postgraduate, 2023 - 2024, 2022 - 2023

MAK.MÜH.UYG.PROJE, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

UZMANLIK ALAN DERSİ-I, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018

MALZEMELERİN MEKANİK DAVRANIŞI, Postgraduate, 2019 - 2020, 2018 - 2019, 2016 - 2017

MALZEME BİLGİSİ-2, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

TEZ ÇALIŞMASI, Postgraduate, 2019 - 2020

BİTİRME PROJESİ (ÖD), Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

UZMANLIK ALAN DERSİ-II, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

YORULMA, Undergraduate, 2019 - 2020, 2018 - 2019

MALZEME BİLGİSİ-1, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

SEMİNER, Postgraduate, 2017 - 2018

TEKNİK İNGİLİZCE, Undergraduate, 2017 - 2018, 2016 - 2017

MAK.MÜH.UYG.PROJE-2 (ÖD), Undergraduate, 2016 - 2017

## Advising Theses

- Ozan S., Kasman Ş., Ti-6Al-7Nb ALAŞIMININ LAZER İLE YÜZEY MODİFİKASYONU: İŞLEM PARAMETRELERİNİN YÜZEY ÖZELLİKLERİNE ETKİLERİNİN İNCELENMESİ, Postgraduate, A.Bilgin(Student), 2024
- Kasman Ş., Ozan S., METALİK BİYOMALZEMELERİN YÜZEYİNİN FİBER LAZER İLE İŞLENMESİ: PASLANMAZ ÇELİK VE CO-CR MALZEMELERİN KARŞILAŞTIRILMASI , Postgraduate, İ.Can(Student), 2023
- Ozan S., INVESTIGATION OF THE EFFECTS OF WELDING PARAMETERS ON MECHANICAL PROPERTIES OF FRICTION STIR WELDED AA 7075 ALUMINUM ALLOY, Postgraduate, S.ŞAHİN(Student), 2021
- Ozan S., Yaşlandırma işleminin Ti-Ta-Zr-Nb alaşımının mekanik özellikleri üzerine etkisinin incelenmesi, Postgraduate, B.BÜYÜKER(Student), 2021

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

- I. **Surface Characteristics Influenced by Laser Texturing Parameters on Biomedical-Grade AISI 316LVM Stainless Steel**  
Kasman S., Can Ucar I., Ozan S.  
SURFACE REVIEW AND LETTERS, vol.31, no.6, pp.2450044, 2024 (SCI-Expanded)
- II. **Laser textured Ti-6Al-7Nb alloy for biomedical applications: An investigation of texturing parameters on surface properties**  
Ozan S., Bilgin A., Kasman Ş.  
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS, PART H: JOURNAL OF ENGINEERING IN MEDICINE, vol.237, no.10, pp.1139-1153, 2023 (SCI-Expanded)
- III. **The Effects of Laser Surface Texturing Parameters on the Surface Characteristics of Biomedical-Grade Stainless Steel**  
Kasman Ş., Uçar İ. C., Ozan S.  
JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, vol.32, pp.1-14, 2023 (SCI-Expanded)
- IV. **Machinability of AA 2024 aluminum alloy by fiber laser engraving process**  
Kasman Ş., Ozan S.  
MATERIALWISSENSCHAFT UND WERKSTOFFTECHNIK, vol.54, no.5, pp.646-654, 2023 (SCI-Expanded)
- V. **Investigation into the effects of laser texturing parameters on surface properties of Ti-6Al-4V ELI biomedical alloy**  
Kasman Ş., Uçar İ. C., Ozan S.  
JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING, vol.45, no.4, pp.1-15, 2023 (SCI-Expanded)
- VI. **Investigation of laser surface texturing parameters of biomedical grade Co-Cr-Mo alloy**  
Kasman Ş., Uçar İ. C., Ozan S.  
International Journal of Advanced Manufacturing Technology, vol.125, no.9-10, pp.4271-4291, 2023 (SCI-Expanded)
- VII. **Laser Surface Texturing of Co-Cr-Mo Alloy for Biomedical Applications: A Case Study for the Effects of Process Parameters on Surface Properties**  
Kasman Ş., Uçar İ. C., Ozan S.  
JOURNAL OF BIONIC ENGINEERING, vol.20, pp.1-18, 2023 (SCI-Expanded)
- VIII. **Experimental Investigation of Friction Stir Weldability of AA 7075 Alloy**  
OZAN S., Şahin S., KASMAN Ş.  
JOURNAL OF THE CHINESE SOCIETY OF MECHANICAL ENGINEERS, TRANSACTIONS OF THE CHINESE INSTITUTE OF ENGINEERS, SERIES C/CHUNG-KUO CHI HSUEH KUNG CH'ENG HSUEBO PAO, vol.43, no.6, pp.559-567, 2022 (SCI-Expanded)
- IX. **Effects of parameters on friction stir welding process of AA 7075 aluminum alloy: mechanical and microstructural assessments**  
Einfluss der Ruhr-Reibschweissparameter auf die mechanischen und mikrostrukturellen Eigenschaften der Aluminiumlegierung AA7075

Ozan S., Şahin S., Kasman Ş.

MATERIALWISSENSCHAFT UND WERKSTOFFTECHNIK, vol.53, no.9, pp.1128-1143, 2022 (SCI-Expanded)

- X. **Mechanical, corrosion, nanotribological, and biocompatibility properties of equal channel angular pressed Ti-28Nb-35.4Zr alloys for biomedical applications**  
Munir K., Lin J., Wright P. F., Ozan S., Li Y., Wen C.  
Acta Biomaterialia, vol.149, pp.387-398, 2022 (SCI-Expanded)
- XI. **Development of beta-type Ti-Nb-Zr-Mo alloys for orthopedic applications**  
Weng W., Biesiekierski A., Lin J., Ozan S., Li Y., Wen C.  
APPLIED MATERIALS TODAY, vol.22, 2021 (SCI-Expanded)
- XII. **Investigations on microstructural and mechanical properties of friction stir welded AA 2024-T351**  
KASMAN Ş., OZAN S.  
MATERIALS TESTING, vol.62, no.8, pp.793-802, 2020 (SCI-Expanded)
- XIII. **Effect of friction stir welding on the microstructure and mechanical properties of AA 6063-T6 aluminum alloy**  
Einfluss des Ruhr-Reib-Schweissens auf das Gefüge und die mechanischen Eigenschaften der Aluminiumlegierung AA 6063-T6  
Ozan S.  
MATERIALWISSENSCHAFT UND WERKSTOFFTECHNIK, vol.51, no.8, pp.1100-1119, 2020 (SCI-Expanded)
- XIV. **Determination of Process Parameters for Friction Stir Welded Dissimilar Aluminum Alloys: AA 5083 and AA 2024**  
KASMAN Ş., OZAN S.  
PRAKTISCHE METALLOGRAPHIE-PRACTICAL METALLOGRAPHY, vol.57, no.7, pp.448-474, 2020 (SCI-Expanded)
- XV. **Cold rolling deformation and annealing behavior of a beta-type Ti-34Nb-25Zr titanium alloy for biomedical applications**  
Ozan S., Lin J., Zhang Y., Li Y., Wen C.  
JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T, vol.9, no.2, pp.2308-2318, 2020 (SCI-Expanded)
- XVI. **Effect of thermomechanical treatment on the mechanical and microstructural evolution of a beta-type Ti-40.7Zr-24.8Nb alloy**  
Ozan S., Lin J., Weng W., Zhang Y., Li Y., Wen C.  
BIOACTIVE MATERIALS, vol.4, pp.303-311, 2019 (SCI-Expanded)
- XVII. **Effect of pin offset on the mechanical properties of friction stir welded AA 6013 aluminum alloy plates**  
Kasman S., Ozan S.  
MATERIALWISSENSCHAFT UND WERKSTOFFTECHNIK, vol.50, no.12, pp.1511-1524, 2019 (SCI-Expanded)
- XVIII. **Effects of overlapping formed via pin-offsetting on friction stir weldability of AA7075-T651 aluminum alloy**  
KASMAN Ş., OZAN S.  
JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY, vol.33, no.2, pp.819-828, 2019 (SCI-Expanded)
- XIX. **An investigation of the mechanical and microstructural evolution of a TiNbZr alloy with varied ageing time**  
Biesiekierski A., Lin J., Munir K., Ozan S., Li Y., Wen C.  
SCIENTIFIC REPORTS, vol.8, 2018 (SCI-Expanded)
- XX. **Microstructural evolution and its influence on the mechanical properties of a thermomechanically processed beta Ti-32Zr-30Nb alloy**  
Ozan S., Li Y., Lin J., Zhang Y., Jiang H., Wen C.  
MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, vol.719, pp.112-123, 2018 (SCI-Expanded)
- XXI. **Deformation mechanism and mechanical properties of a thermomechanically processed beta Ti-28Nb-35.4Zr alloy**  
Ozan S., Lin J., Li Y., Zhang Y., Munir K., Jiang H., Wen C.  
JOURNAL OF THE MECHANICAL BEHAVIOR OF BIOMEDICAL MATERIALS, vol.78, pp.224-234, 2018 (SCI-Expanded)

- XXII. **New Ti-Ta-Zr-Nb alloys with ultrahigh strength for potential orthopedic implant applications**  
Ozan S., Lin J., Li Y., Wen C.  
JOURNAL OF THE MECHANICAL BEHAVIOR OF BIOMEDICAL MATERIALS, vol.75, pp.119-127, 2017 (SCI-Expanded)
- XXIII. **Effects of solution treatment and aging on the microstructure, mechanical properties, and corrosion resistance of a beta type Ti-Ta-Hf-Zr alloy**  
Lin J., OZAN S., Munir K., Wang K., Tong X., Li Y., Li G., Wen C.  
RSC ADVANCES, vol.7, no.20, pp.12309-12317, 2017 (SCI-Expanded)
- XXIV. **Novel Ti-Ta-Hf-Zr alloys with promising mechanical properties for prospective stent applications**  
Lin J., OZAN S., Li Y., Ping D., Tong X., Li G., Wen C.  
SCIENTIFIC REPORTS, vol.6, 2016 (SCI-Expanded)
- XXV. **Development of Ti-Nb-Zr alloys with high elastic admissible strain for temporary orthopedic devices**  
Ozan S., Lin J., Li Y., İPEK R., Wen C.  
ACTA BIOMATERIALIA, vol.20, pp.176-187, 2015 (SCI-Expanded)
- XXVI. **The Influence of Process Parameters of EDM on the Surface Roughness of Aluminum Matrix Composites Reinforced with SiC Particulates**  
Guleryuz L. F., Ozan S., KASMAN S., İPEK R.  
ACTA PHYSICA POLONICA A, vol.123, no.2, pp.421-423, 2013 (SCI-Expanded)
- XXVII. **Characterization of Machined Surface by EDM for Al/B4Cp Composite Material**  
KASMAN S., Guleryuz L. F., Ozan S., İPEK R.  
ACTA PHYSICA POLONICA A, vol.123, no.2, pp.224-226, 2013 (SCI-Expanded)
- XXVIII. **Investigation of Dry Sliding Wear Behaviour of B4C Particulate Reinforced Mg Matrix Composites**  
Guleryuz L. F., Ozan S., Uzunsoy D., İPEK R.  
ACTA PHYSICA POLONICA A, vol.123, no.2, pp.488-489, 2013 (SCI-Expanded)
- XXIX. **An Experimental Study for Machinability of Al/SiCp Metal Matrix Composites by Laser**  
KASMAN S., Ozan S., Guleryuz L. F., İPEK R.  
ACTA PHYSICA POLONICA A, vol.123, no.2, pp.221-223, 2013 (SCI-Expanded)
- XXX. **An investigation of the microstructure and mechanical properties of B4C reinforced PM magnesium matrix composites**  
Guleryuz L. F., Ozan S., Uzunsoy D., İPEK R.  
POWDER METALLURGY AND METAL CERAMICS, vol.51, pp.456-462, 2012 (SCI-Expanded)
- XXXI. **Characterisation of magnesium matrix composite reinforced with SiC particulates manufactured by powder metallurgy method**  
Ozan S., Guleryuz L. F., Uzunsoy D., İPEK R.  
INTERNATIONAL JOURNAL OF SURFACE SCIENCE AND ENGINEERING, vol.6, pp.148-156, 2012 (SCI-Expanded)

## Articles Published in Other Journals

- I. **THE EFFECTS OF LASER MICRO-ENGRAVING VARIABLES ON THE SURFACE CHARACTERISTICS OF THE Ti-6Al-7Nb ALLOY**  
Ozan S.  
Adıyaman Üniversitesi Mühendislik Bilimleri Dergisi, vol.11, no.22, pp.35-45, 2024 (Peer-Reviewed Journal)
- II. **Machining of Ti-6Al-4V alloy by fiber laser: Determining the effects of parameters on surface roughness**  
Kasman Ş., Büyüker B., Ozan S.  
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, vol.41, no.4, pp.770-780, 2023 (ESCI)
- III. **Characterization of friction stir welded AA 3003-H24 aluminum alloy plates**  
KASMAN Ş., OZAN S.  
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, vol.40, no.3, pp.620-629, 2022 (ESCI)
- IV. **AN EXPERIMENTAL APPROACH FOR FRICTION STIR WELDING: A CASE STUDY FOR AA 2024 - T351**

KASMAN Ş., OZAN S.

SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.38, no.4, pp.1999-2011, 2020 (ESCI)

- V. **Impact of the rare earth elements scandium and yttrium on beta-type Ti-24Nb-38Zr-2Mo-base alloys for orthopedic applications**  
Weng W., Biesiekierski A., Lin J., OZAN S., Li Y., WEN C.  
Materialia, vol.9, pp.100586, 2020 (ESCI)
- VI. **AA7075/AA6013 ALAŞIM ÇİFTİNİN SÜRTÜNME KARIŞTIRMAKAYNAĞI İLE BİRLEŞTİRİLMESİNDE PİM ÇAKIŞMASININ MEKANİK ÖZELLİKLER ÜZERİNE ETKİLERİNİN İNCELENMESİ**  
KASMAN Ş., OZAN S.  
Ömer Halisdemir Üniversitesi Mühendislik Bilimleri Dergisi, vol.8, no.1, pp.436-446, 2019 (Peer-Reviewed Journal)
- VII. **SÜRTÜNME KARIŞTIRMA KAYNAĞI İLE BİRLEŞTİRİLMİŞ BAĞLANTILARDA PİM ÇAKIŞMASININ MEKANİK ÖZELLİKLER ÜZERİNE ETKİSİ**  
KASMAN Ş., OZAN S.  
Ömer Halisdemir Üniversitesi Mühendislik Bilimleri Dergisi, vol.7, no.2, pp.917-928, 2018 (Peer-Reviewed Journal)
- VIII. **Partikül Takviyeli Alüminyum Esaslı Metal Matris Kompozitlerin Difüzyon Kaynak Kabiliyetlerinin İncelenmesi**  
OZAN S., KARAOĞLU S., İPEK R.  
TMMOB MMO Mühendis ve Makina, vol.53, no.630, pp.45-53, 2012 (Peer-Reviewed Journal)
- IX. **Production of B4Cp reinforced magnesium metal matrix composites by powder metallurgy**  
GULERYUZ L. F., OZAN S., İPEK R., UZUNSOY D.  
Usak University Journal of Material Sciences, vol.1, no.1, pp.51-58, 2012 (Peer-Reviewed Journal)

## Books & Book Chapters

### I. Titanium Alloys, Including Nitinol

OZAN S., Munir K., Biesiekierski A., İPEK R., Li Y., WEN C.

in: Biomaterials Science An Introduction to Materials in Medicine, William R. Wagner, Guigen Zhang, Shelly E. Sakiyama-Elbert, Michael J. Yaszemski, Editor, Academic Press , pp.229-247, 2020

## Refereed Congress / Symposium Publications in Proceedings

- I. **THE CHARPY IMPACT ENERGY OF JOINTS PRODUCED BY FRICTION STIRWELDING PROCESS: A STUDY ON AA 7075 ALUMINUM ALLOY**  
Şahin S., Ozan S., Kasman Ş.  
2. INTERNATIONAL CONGRESS ON CONTEMPORARY SCIENTIFIC RESEARCH, 02 November 2022, pp.76-81
- II. **AN EXPERIMENTAL STUDY ON THE CHARPY IMPACT ENERGY AND BENDING STRENGTH OF FRICTION STIR WELDED AA 7075 ALUMINUM ALLOY**  
Şahin S., Ozan S., Kasman Ş.  
2. INTERNATIONAL CONGRESS ON CONTEMPORARY SCIENTIFIC RESEARCH, 02 November 2022, pp.70-75
- III. **EVALUATION OF THE EFFECTS OF PARAMETERS IN LASER MACHINING OF AISI 316LVM ALLOY**  
UÇAR İ. C., KASMAN Ş., OZAN S.  
CUKUROVA 9th INTERNATIONAL SCIENTIFIC RESEARCHES CONFERENCE, Adana, Turkey, 09 October 2022, vol.2, pp.1648-1655
- IV. **FIBER LASER MACHINING OF CoCr28Mo ALLOY: ASSESSING THE EFFECTS OF PARAMETERS ON SURFACE ROUGHNESS**  
UÇAR İ. C., KASMAN Ş., OZAN S.  
CUKUROVA 9th INTERNATIONAL SCIENTIFIC RESEARCHES CONFERENCE, Adana, Turkey, 09 October 2022, vol.2, pp.1639-1647

- V. **THE LASER MILLING PROCESS FOR AA 5083 ALUMINUM ALLOY: AN INVESTIGATION OF SURFACE ROUGHNESS AND MACHINING DEPTH**  
KASMAN Ş., OZAN S.  
8th INTERNATIONAL ZEUGMA CONFERENCE ON SCIENTIFIC RESEARCH, Gaziantep, Turkey, 15 July 2022, pp.160-165
- VI. **LASER MICRO-MILLING APPLICATIONS FOR AA 5083 ALUMINUM ALLOY: AN INVESTIGATION OF TEXTURING STRATEGY ON MILLING CHARACTERISTICS**  
KASMAN Ş., OZAN S.  
8th INTERNATIONAL ZEUGMA CONFERENCE ON SCIENTIFIC RESEARCH, Gaziantep, Turkey, 15 July 2022, pp.166-171
- VII. **THREE-POINT BENDING PERFORMANCE OF FRICTION STIR WELDED AA 7075ALUMINUM ALLOY**  
Şahin S., Ozan S., Kasman Ş.  
9. INTERNATIONAL GAP SUMMIT SCIENTIFIC RESEARCH CONGRESS, Adıyaman, Turkey, 01 July 2022, pp.313-317
- VIII. **MECHANICAL ASPECTS OF FRICTION STIR WELDED AA 7075 ALUMINUM ALLOY**  
Şahin S., Ozan S., Kasman Ş.  
9. INTERNATIONAL GAP SUMMIT SCIENTIFIC RESEARCH CONGRESS, Adıyaman, Turkey, 01 July 2022, pp.307-312
- IX. **EFFECT OF REINFORCEMENT METAL ON THE WELD STRENGTH OF FRICTION STIR WELDED AA 6013 ALUMINUM ALLOY**  
KASMAN Ş., OZAN S.  
ISTANBUL INTERNATIONAL MODERN SCIENTIFIC RESEARCH CONGRESS -II, İstanbul, Turkey, 23 - 25 December 2021, pp.1192-1199
- X. **FRICTION STIR WELDING OF AA 7075 ALUMINUM ALLOY: EFFECT OF REINFORCEMENT METALS ON THE WELD PERFORMANCE**  
KASMAN Ş., OZAN S.  
ISTANBUL INTERNATIONAL MODERN SCIENTIFIC RESEARCH CONGRESS -II, İstanbul, Turkey, 23 - 25 December 2021, pp.12-20
- XI. **PARAMETRIC OPTIMIZATION OF LASER BEAM SURFACE MACHINING: A STUDY FOR AISI 316**  
KASMAN Ş., OZAN S.  
12th INTERNATIONAL CONFERENCE ON ENGINEERING & NATURAL SCIENCES, Bingöl, Turkey, 24 - 25 December 2021, pp.7-15
- XII. **INVESTIGATION OF THE EFFECTS OF FREQUENCY AND PULSE WIDTH ON THE PROPERTIES OF FIBER LASER TREATED SURFACE**  
KASMAN Ş., OZAN S.  
12th INTERNATIONAL CONFERENCE ON ENGINEERING & NATURAL SCIENCES, Bingöl, Turkey, 24 - 25 December 2021, pp.16-22
- XIII. **AISI H13 TAKIM ÇELİĞİNİN LAZER İLE İŞLENMESİ: YÜZEY KALİTESİNE İŞLEM PARAMETRELERİNİN ETKİSİNİN İNCELENMESİ**  
KASMAN Ş., OZAN S.  
29th OF OCTOBER SYMPOSIUM ON SCIENTIFIC RESEARCHES - III, Ankara, Turkey, 29 October 2021, pp.172-177
- XIV. **AISI 316 PASLANMAZ ÇELİĞİNİN LAZER İLE İŞLENMESİ**  
KASMAN Ş., OZAN S.  
29th OF OCTOBER SYMPOSIUM ON SCIENTIFIC RESEARCHES - III, Ankara, Turkey, 29 October 2021, pp.165-171
- XV. **INVESTIGATION OF THE RECRYSTALLIZATION BEHAVIOR OF BIOMEDICAL Ti-30Nb-32Zr ALLOY**  
OZAN S., Lin J., Li Y., WEN C.  
1st INTERNATIONAL ANKARA MULTIDISCIPLINARY STUDIES CONGRESS, 11 - 12 August 2020
- XVI. **SÜRTÜNME KARIŞTIRMA KAYNAĞI İLE BİRLEŞTİRİLMİŞ AA 6082-T6/AA 2024-T351 ALÜMİNYUM ALAŞIM ÇİFTİNİN MEKANİK ÖZELLİKLERİNİN İNCELENMESİ**  
OZAN S.  
8th INTERNATIONAL CONFERENCE ON ENGINEERING NATURAL SCIENCES, 12 - 14 June 2020
- XVII. **AA 2024-T351 ALÜMİNYUM ALAŞIMININ SÜRTÜNME KARIŞTIRMA KAYNAĞI İLE BİRLEŞTİRİLMESİNDE PİM KAYDIRMASININ MEKANİK ÖZELLİKLER ÜZERİNE ETKİLERİNİN**

## İNCELENMESİ

KASMAN Ş., OZAN S.

3. ULUSLARARASI ERCİYES BİLİMSEL ARAŞTIRMALAR KONGRESİ, 09 May 2020

- XVIII. The Influence of Process Parameters of EDM on The Surface Roughness of Aluminium Matrix Composite Reinforced with SiC Particulates**  
Güleryüz L. F., OZAN S., KASMAN Ş., İPEK R.  
2nd International Advances in Applied Physics and Materials Science Congress, 26 - 29 April 2012
- XIX. INVESTIGATION OF THE EFFECTS OF COLD ROLLING REDUCTION RATE ON THE RECRYSTALLIZATION BEHAVIOR OF Ti-40.7Zr-24.8Nb ALLOY**  
OZAN S., Lin J., Li Y., WEN C.  
2nd INTERNATIONAL ANKARA CONFERENCE ON SCIENTIFIC RESEARCH, 6 - 08 March 2020
- XX. Production of Titanium Alloy Foams by Space Holder Technique in P/M Method: A Review**  
OZAN S., İPEK R.  
2nd International Scientific Conference on Engineering (mat2012), 22 - 24 November 2012
- XXI. Production of Aluminium Foams by Space Holder Technique in P/M Method**  
OZAN S., GÜLERYÜZ F., İPEK R.  
2nd International Scientific Conference on Engineering (mat2012), 22 - 24 November 2012
- XXII. An Investigation of WEDM Process Parameters on the Surface Roughness of Al/B4Cp Metal Matrix Composites**  
OZAN S., Güleryüz L. F., KASMAN Ş., İPEK R.  
2ND INTERNATIONAL ADVANCES IN APPLIED PHYSICS AND MATERIALS SCIENCE CONGRESS, Antalya, Turkey, Turkey, 26 - 29 April 2012
- XXIII. B4C Partikül Takviyeli Alüminyum ve Magnezyum Metal Matris Kompozitin Otomotiv Uygulamaları İçin Geliştirilmesi ve Karakterizasyonu**  
GÜLERYÜZ L. F., OZAN S., UZUNSOY D., İPEK R.  
6. Otomotiv Teknolojileri Kongresi (OTEKON 2012), Turkey, 4 - 05 June 2012
- XXIV. An Investigation of WEDM Process Parameters on the Surface Roughness of Aluminium Matrix Composite Reinforced with B4C Particulates**  
OZAN S., LÜTFİYE FERAY G., KASMAN Ş., İPEK R.  
2nd International Advances in Applied Physics and Materials Science Congress, 26 - 29 April 2012
- XXV. Investigation of Dry Sliding Wear Behaviour Properties of B4Cp/Mgp Produced By Powder Metallurgy**  
Güleryüz L. F., OZAN S., UZUNSOY D., İPEK R.  
2nd International Advances in Applied Physics and Materials Science Congress, 26 - 29 April 2012
- XXVI. An Experimental Study for Machinability of Al/SiC Composite Material by Laser**  
KASMAN Ş., OZAN S., Güleryüz L. F., İPEK R.  
2nd International Advances in Applied Physics and Materials Science Congress, 26 - 29 April 2012
- XXVII. Characterization of Machined Surface by EDM for Al/B4C Composite Material**  
KASMAN Ş., OZAN S., Güleryüz L. F., İPEK R.  
2nd International Advances in Applied Physics and Materials Science Congress, 26 - 29 April 2012
- XXVIII. Sert Dolgu Alaşımlarının Kimyasal Bileşiminin Aşınma Direnci ve Mikroyapı Üzerine Etkisi**  
CEYHUN V., OZAN S.  
Kaynak Teknolojisi VIII. Ulusal Kongre ve Sergisi, Turkey, 18 - 19 November 2011
- XXIX. Toz Metalurjisi Yöntemiyle Üretilmiş B4Cp Takviyeli Magnezyum Esaslı Metal Matris Kompozitlerin Karakterizasyonu ve Mekanik Özelliklerinin İncelenmesi**  
Güleryüz L. F., OZAN S., İPEK R., UZUNSOY D.  
I. Ulusal Ege Kompozit Malzemeler Sempozyumu, Turkey, 17 - 19 November 2011
- XXX. Partikül Takviyeli Alüminyum Esaslı Metal Matris Kompozitlerin Difüzyon Kaynak Kabiliyetlerinin İncelenmesi**  
OZAN S., KARAOĞLU S., İPEK R.  
Geleceğin Teknolojileri Sempozyumu ve Sergisi, Turkey, 20 - 21 October 2011



- XXXI. **Characterization of Magnesium Matrix Composite Reinforced with SiC Particulates Manufactured by Powder Metallurgy Method**  
OZAN S., Güteryüz L. F., UZUNSOY D., İPEK R.  
14th International Conference on Advances in Materials and Processing Technologies (AMPT 2011), 13 - 16 July 2011
- XXXII. **An Investigation of Microstructure and Mechanical Properties of Magnesium Matrix Composites Reinforced with B4C Particulates Manufactured by Powder Metallurgy Method**  
Güteryüz L. F., OZAN S., UZUNSOY D., İPEK R.  
14th International Conference on Advances in Materials and Processing Technologies (AMPT 2011), 13 - 16 July 2011

## Supported Projects

- Kasman Ş., Uçar İ. C., Ozan S., Project Supported by Higher Education Institutions, Metalik Biyomalzemelerin Yüzeyinin Fiber Lazer ile İşlenmesi: Paslanmaz Çelik ve Co-Cr Malzemelerin Karşılaştırılması, 2021 - 2023
- Ozan S., Project Supported by Higher Education Institutions, AA 7075 alüminyum alaşımının sürtünme karıştırma kaynağı ile birleştirilmesinde kaynak parametrelerinin mekanik özellikler üzerine etkilerinin incelenmesi, 2020 - 2021
- Ozan S., Project Supported by Other Private Institutions, Bozok Üniversitesi Malzeme Test Laboratuvarı Kurulması, 2018 - 2020
- Ozan S., Ceyhun V., Project Supported by Higher Education Institutions, Yarı Sıcak Presleme İle Alüminyum Matrisli Kompozit Üretimi, 2011 - 2016
- OZAN S., Project Supported by Higher Education Institutions, Metal Matrisli Kompozit Malzemelerin Difüzyon Kaynağı İle Birleştirilmesi, 2011 - 2015

## Patent

- Ozan S., Çok fonksiyonlu yeni Ti-Nb-Zr alaşımları, Patent, CHAPTER A Human Needs, The Invention Registration Number: 2015 01168 B , Standard Registration, 2018

## Activities in Scientific Journals

- Bozok Journal of Engineering and Architecture , Assistant Editor/Section Editor, 2022 - Continues
- Materials Science: Materials Review, Committee Member, 2019 - 2020
- Materials Science: Advanced Composite Materials, Committee Member, 2018 - 2019
- Journal of Metallic Material Research, Committee Member, 2018 - 2019

## Scientific Refereeing

- SURFACE REVIEW AND LETTERS, SCI Journal, July 2024
- PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS, PART E: JOURNAL OF PROCESS MECHANICAL ENGINEERING, SCI Journal, July 2024
- Smart Materials in Manufacturing, Other Indexed Journal, July 2024
- PHILOSOPHICAL MAGAZINE, SCI Journal, January 2023
- Karaelmas Fen ve Mühendislik Dergisi, National Scientific Refreed Journal, December 2020
- MATERIALS CHARACTERIZATION, SCI Journal, June 2020
- SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, Journal Indexed in ESCI, May 2020
- Universal Journal of Mechanical Engineering, Other Indexed Journal, July 2019
- MATERIALS RESEARCH EXPRESS, SCI Journal, November 2018

JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY, SCI Journal, June 2018

El-Cezeri Journal of Science and Engineering, National Scientific Refreed Journal, June 2018

El-Cezeri Journal of Science and Engineering, National Scientific Refreed Journal, May 2018

## **Metrics**

Publication: 73

Citation (WoS): 614

Citation (Scopus): 713

H-Index (WoS): 11

H-Index (Scopus): 13