

Assoc. Prof. Mehmet Topuz



Personal Information

Office Phone: [+90 432 444 5065](tel:+904324445065) Extension: 25689

Fax Phone: [+90 432 225 1730](tel:+904322251730)

Email: mehmettopuz@yyu.edu.tr

Web: <https://avesis.yyu.edu.tr/mehmettopuz>

Address: Van Yüzüncü Yıl Üniversitesi, Bilim Uygulama ve Araştırma Merkez
Müdürlüğü, 65080 Tuşba/VAN



International Researcher IDs

ScholarID: ZLH1TCAAAAAJ

ORCID: 0000-0003-3692-796X

Publons / Web Of Science ResearcherID: C-9690-2018

ScopusID: 57201986156

Yoksis Researcher ID: 216318

Education Information

Doctorate, Ataturk University, Fen Bilimleri Enstitüsü, Makine Mühendisliği Anabilim Dalı,
Turkey 2017 - 2021

Postgraduate, Van Yüzüncü Yıl University, Fen Bilimleri Enstitüsü, Makine Mühendisliği
(YI) (Tezli), Turkey 2014 - 2016

Undergraduate, Erciyes University, Mühendislik Fakültesi, Makine Mühendisliği, Turkey
2007 - 2013

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Investigation of the Production, Characterization and In-vitro Properties of Titanium Based Biocomposite
Materials Reinforced with Hydroxyapatite-Zirconia, Ataturk University, Fen Bilimleri Enstitüsü, Makine Mühendisliği
Anabilim Dalı, 2021

Postgraduate, Production of Bioactive Hybrid Coatings on Beta (β) -Type Titanium Alloys, Characterization, and
Investigation of In-vitro Corrosion Properties, Van Yüzüncü Yıl University, Fen Bilimleri Enstitüsü, Makine Mühendisliği
(YI) (Tezli), 2016

Research Areas

Mechanical Engineering, Construction and Manufacturing, Non-traditional manufacturing methods, Material, Corrosion
and Corrosion Protection, Composites, Plating, Powder Metallurgy

Academic Titles / Tasks

Assistant Professor, Van Yüzüncü Yil University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2023 - Continues
Research Assistant PhD, Van Yüzüncü Yil University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2021 - 2023
Research Assistant, Van Yüzüncü Yil University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2014 - 2021

Academic and Administrative Experience

Assistant Manager of Research and Application Center, Van Yüzüncü Yil University, 2024 - Continues

Courses

Kaynak Teknolojisi ve Yöntemleri, Postgraduate, 2023 - 2024
Bitirme Tezi, Undergraduate, 2021 - 2022
Makina Laboratuvarı II, Undergraduate, 2021 - 2022
Plastik Şekil Verme Yöntemleri, Postgraduate, 2021 - 2022
Makine Elemanları II, Undergraduate, 2021 - 2022
Elektrokimyasal Korozyon Ölçüm Yöntemleri, Postgraduate, 2021 - 2022
Makine Mühendisliği Tasarımı, Undergraduate, 2021 - 2022
Makina Laboratuvarı I, Undergraduate, 2021 - 2022
Makine Elemanları I, Undergraduate, 2021 - 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Ti₃C₂T_x MXene-functionalized Hydroxyapatite/Halloysite nanotube filled poly- (lactic acid) coatings on magnesium: In vitro and antibacterial applications**
Topuz M., Aknay Y., Karataş E., Çetin T.
Journal of Magnesium and Alloys, vol.12, no.9, pp.3758-3771, 2024 (SCI-Expanded)
- II. **Ti₂N_{Tx} MXene materials derived from Ti₂AlN MAX phases: Their characterization and electrocatalytic activity toward hydrazine electrooxidation**
Ulaş B., Çetin T., Topuz M., Aknay Y.
International Journal of Hydrogen Energy, vol.82, pp.892-900, 2024 (SCI-Expanded)
- III. **Systematic Characterization and Enhanced Corrosion Resistance of novel β-type Ti-30Zr-5Mo Biomedical Alloys with Halloysite Nanotubes (HNTs) and Zirconia (ZrO₂)-Reinforced Poly(lactic acid) (PLA) Matrix Coatings**
Topuz M., Dikici B., Kasapoğlu A. E., Zhao X., Niinomi M.
MATERIALS TODAY COMMUNICATIONS, vol.40, pp.110110, 2024 (SCI-Expanded)
- IV. **Investigation of Halloysite Nanotube Effect in Poly- (Lactic acid)/Hydroxyapatite Coatings on Ti-6Al-4V Biomedical Alloy**
Topuz M.
JOURNAL OF POLYMERS AND THE ENVIRONMENT, vol.9, pp.1, 2023 (SCI-Expanded)
- V. **Hydroxyapatite – Al₂O₃ reinforced poly- (lactic acid) hybrid coatings on magnesium: Characterization, mechanical and in-vitro bioactivity properties**
Topuz M.
Surfaces and Interfaces, vol.37, pp.102724, 2023 (SCI-Expanded)
- VI. **Effect of hydroxyapatite:zirconia volume fraction ratio on mechanical and corrosive properties of Ti-matrix composite scaffolds**
Topuz M., DİKİCİ B., Gavgali M., Yilmazer Y.
TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA, vol.32, no.3, pp.882-894, 2022 (SCI-Expanded)
- VII. **Processing of Ti/(HA+ZrO₂) biocomposite and 50% porous hybrid scaffolds with low Young's**

modulus by powder metallurgy: Comparing of structural, mechanical, and corrosion properties

Topuz M., Dikici B., Gavgali M., Kaseem M.

MATERIALS TODAY COMMUNICATIONS, vol.29, pp.1-11, 2021 (SCI-Expanded)

- VIII. **Titanium-based composite scaffolds reinforced with hydroxyapatite-zirconia: Production, mechanical and in-vitro characterization**
Topuz M., DİKİCİ B., GAVGALI M.
Journal of the Mechanical Behavior of Biomedical Materials, vol.118, 2021 (SCI-Expanded)
- IX. **Al-5Cu/B4Cp composites: The combined effect of artificially aging (T6) and particle volume fractions on the corrosion behaviour**
Tozkoparan B., Dikici B., Topuz M., Bedir F., Gavgali M.
Advanced Powder Technology, vol.31, no.7, pp.2833-2842, 2020 (SCI-Expanded)
- X. **Synthesis of biphasic calcium phosphate (BCP) coatings on β -type titanium alloys reinforced with rutile-TiO₂ compounds: adhesion resistance and in-vitro corrosion**
Dikici B., Niinomi M., Topuz M., Koc S., Nakai M.
Journal of Sol-Gel Science and Technology, vol.87, no.3, pp.713-724, 2018 (SCI-Expanded)
- XI. **Synthesis and Characterization of Hydroxyapatite/TiO₂ Coatings on the beta-Type Titanium Alloys with Different Sintering Parameters using Sol-Gel Method**
DİKİCİ B., Niinomi M., Topuz M., Say Y., AKSAKAL B., YILMAZER H., Nakai M.
PROTECTION OF METALS AND PHYSICAL CHEMISTRY OF SURFACES, vol.54, no.3, pp.457-462, 2018 (SCI-Expanded)
- XII. **Production of Annealed Cold-Sprayed 316L Stainless Steel Coatings for Biomedical Applications and Their in-vitro Corrosion Response**
DİKİCİ B., Topuz M.
PROTECTION OF METALS AND PHYSICAL CHEMISTRY OF SURFACES, vol.54, no.2, pp.333-339, 2018 (SCI-Expanded)

Articles Published in Other Journals

- I. **In-vitro corrosion response of Hydroxyapatite / Halloysite nanotube / Bismuth reinforced poly-(lactic acid) hybrid coatings on biodegradable Magnesium**
Topuz M.
Journal of Materials and Manufacturing, vol.3, no.1, pp.17-24, 2024 (Peer-Reviewed Journal)
- II. **Simultaneous effect of welding current with post-weld T6 heat-treatment on corrosion susceptibility of Al6013 alloy joined by GTAW**
Topuz M.
Hittite Journal of Science and Engineering, vol.10, no.3, pp.269-277, 2023 (Peer-Reviewed Journal)
- III. **In-vitro corrosion performance of hydroxyapatite-coated Al2024 in simulated body fluid: A comparative study**
Topuz M., Dikici B.
Niğde Ömer Halisdemir Üniversitesi Mühendislik Bilimleri Dergisi, vol.12, no.3, pp.926-934, 2023 (Peer-Reviewed Journal)
- IV. **Effect of ZrO₂ on morphological and adhesion properties of hydroxyapatite reinforced poly-(lactic acid) matrix hybrid coatings on Mg substrates**
Topuz M.
Research on Engineering Structures and Materials, vol.8, no.4, pp.721-733, 2022 (Scopus)
- V. **Challenges in the Production of Titanium-based Scaffolds Bio-functionalized with Hydroxyapatite by Powder Metallurgy Technique**
TOPUZ M., DİKİCİ B., GAVGALI M.
European Journal of Science and Technology, no.28, pp.46-51, 2021 (Peer-Reviewed Journal)
- VI. **Two simple methods for surface modification of lithium disilicate dental blocks with hydroxyapatite**

Topuz M., Dikici B.

Research on Engineering Structures and Materials, vol.6, no.1, pp.97-104, 2019 (Peer-Reviewed Journal)

VII. **A Review on the Hydrogels used in 3D Bio-printing**

Topuz M., DİKİCİ B., GAVGALI M., YILMAZER H.

International Journal of 3D Printing Technologies and Digital Industry, vol.2, no.2, pp.68-75, 2018 (Peer-Reviewed Journal)

VIII. **Zirkonya Takviyeli Hidroksiapatit (HA) Bazlı Biyoaktif Hibrid Kaplamaların Korozyon Duyarlılıkları**

TOPUZ M., DİKİCİ B., KOÇ S., YILMAZER H., NIINOMI M., MASA AKI N.

Engineering Sciences, vol.12, no.1, pp.66-77, 2017 (Peer-Reviewed Journal)

Books & Book Chapters

I. **Production technique–structure relationship in bioceramic-coated scaffold applications**

Aslan N., Topuz M., Aksakal B., Dikici B.

in: Advanced Ceramic Coatings for Biomedical Applications, Ram K. Gupta, Amir Motallebzadeh, Saeid Kakooei, Tuan Anh Nguyen, Ajit Behera, Editor, Elsevier Science, Oxford/Amsterdam, Amsterdam, pp.165-196, 2023

II. **Synthesis of implantable ceramic coatings and their properties**

Topuz M., Yiğit O., Kaseem M., Dikici B.

in: Advanced Ceramic Coatings for Biomedical Applications, Ram K. Gupta, Amir Motallebzadeh, Saeid Kakooei, Tuan Anh Nguyen, Ajit Behera, Editor, Elsevier Science, Oxford/Amsterdam, Amsterdam, pp.53-86, 2023

Refereed Congress / Symposium Publications in Proceedings

I. **In-Vitro Corrosion Response of Hydroxyapatite / Halloysite Nanotube / Bismuth Reinforced Poly-(lactic acid) Hybrid Coatings on Biodegradable Magnesium**

Topuz M.

16th International Corrosion Symposium, Karaman, Turkey, 23 - 25 May 2024, pp.218

II. **Investigation of Structural and Corrosion Characteristics of Ti-Matrix Biocomposite Scaffolds Reinforced with Hydroxyapatite and ZrO₂ Metal Oxide Powders**

Topuz M., Dikici B., Gavgalı M.

16th International Corrosion Symposium, Karaman, Turkey, 23 - 25 May 2024, pp.217

III. **Yüksek Performanslı Kauçuk-Metal Yapışma Sistemleri için ERD 6222 Çeliklerinde Kuşlama Prosesinin Korozyon Etkisinin İncelenmesi**

Erdem F., Yazgan A., Topuz M., Arslanoğlu M., Dikici B.

16th International Corrosion Symposium, Karaman, Turkey, 23 - 25 May 2024, pp.207

IV. **A Preliminary Study on 304SS Wire Mesh Reinforced Al6013 Composite**

Topuz M.

Cukurova 10th International Scientific Researches Conference, Adana, Turkey, 2 - 04 April 2023

V. **The Effect of Unit Cell Geometry and Fill Rate on the Mechanical Strength of 3D Printed Poly-(Lactic) Acid Scaffolds**

Topuz M.

9th International Engineering Architecture and Design Congress, İstanbul, Turkey, 14 - 16 May 2022, pp.1-7

VI. **Flexural Behavior of 304SS and Glass Fiber Reinforced Polymer Composite Laminates**

Topuz M.

7th International Congress on Engineering and Management, İstanbul, Turkey, 16 - 18 April 2022, pp.884

VII. **The production method of titanium-based biocomposite scaffolds reinforced with hydroxyapatite-zirconia: A patent analysis**

Topuz M., Gavgalı M., Dikici B.

2nd International Symposium on Light Alloys and Composite Materials, Karabük, Turkey, 31 March - 02 April 2022,

pp.1

- VIII. **Thermal Performance of Functional Graded Composite Material**
Gökaslan M. Y., Topuz M., Köseadağ E.
3rd International Eurasian Conference on Science, Engineering and Technology, Ankara, Turkey, 15 - 17 December 2021, pp.75
- IX. **Mechanical Behavior of AL6061-Pumice Functionally Graded Composite Materials**
Köseadağ E., Topuz M., Gökaslan M. Y.
International Pumice and Perlite Symposium, Bitlis, Turkey, 4 - 06 November 2021, pp.27
- X. **Challenges in the production of titanium-based scaffolds bio-functionalized with hydroxyapatite by powder metallurgy technique**
Topuz M., Dikici B., Gavgalı M.
1st International Conference on Applied Engineering and Natural Sciences, Konya, Turkey, 1 - 03 November 2021, pp.42
- XI. **Production and characterization of pumice reinforced Al6061 matrix functional graded composite materials**
Topuz M., Köseadağ E., Gökaslan M. Y.
1st International Conference on Applied Engineering and Natural Sciences, Konya, Turkey, 1 - 03 November 2021, pp.656
- XII. **B4C Partikül Takviyeli Al-Cu Matrisli Kompozitler: T6 Isıl İşleminin Korozyon Davranışı Üzerine Etkisi**
TOZKOPARAN B., DİKİCİ B., TOPUZ M., BEDİR F., GAVGALI M.
The International Aluminium-Themed Engineering and Natural Sciences Conference "IATENS-2019", Konya, Turkey, 04 October 2019, pp.58-61
- XIII. **Al-5Cu/B4Cp Hot-Pressed Composites: The Effect of Particle Volume Fraction on Microstructure and Corrosion Behavior**
Dikici B., TOZKOPARAN B., Topuz M., BEDİR F., GAVGALI M.
X International Symposium on Materials (MATERIAIS 2019), Lizbon, Portugal, 14 - 17 April 2019, pp.129
- XIV. **Preparation of Hydroxyapatite/Chitosan Hybrid Coatings on β -Type Ti alloys and Theirs In-vitro Corrosion Resistance**
Topuz M., Dikici B., Niinomi M., YILMAZER H., Nakai M.
X International Symposium on Materials (MATERIAIS 2019), Lizbon, Portugal, 14 - 17 April 2019, pp.59
- XV. **A Review on the Hydrogels Used in 3D Bioprinting**
Topuz M., Dikici B., Gavgalı M., Yilmazer H.
3rd INTERNATIONAL CONGRESS ON 3D PRINTING TECHNOLOGIES AND DIGITAL INDUSTRY 2018, Antalya, Turkey, 19 - 21 April 2018, pp.135-138
- XVI. **Bioactive Surface Modification With Bioglass/Hydroxyapatite Of Biomedical Titanium Alloys And Their Beneficial Effect On Corrosion Resistance**
Topuz M., DİKİCİ B., Koç S., NAKAI M., NIINOMI M.
1st International Symposium on Light Alloys and Composite Materials, Karabük, Turkey, 22 - 24 March 2018, pp.317-318
- XVII. **The Synthesis and Determination of Mechanical Properties of Metal Oxide-Reinforced Hydroxyapatite Based Ceramic Coatings**
Topuz M., Koç S., Dikici B., Niinomi M., Nakai M., Yilmazer H.
2nd International Conference on Material Science and Technology in Cappadocia (IMSTEC 2017), Nevşehir, Turkey, 11 - 13 October 2017, pp.378
- XVIII. **Sol-gel bioactive coatings on β -type titanium alloys for improvement of biocompatibility: Cell culture response**
TAŞPINAR M., TOPUZ M., KOÇ S., DİKİCİ B., KÜÇÜK V., NIINOMI M., NAKAI M.
2nd International Conference on Material Science and Technology in Cappadocia (IMSTEC'17), Nevşehir, Turkey, 11 - 13 October 2017, pp.380
- XIX. **In-vitro Corrosion Responses of Bioactive Hybrid Coatings**

Dikici B., Nunomi M., Topuz M., Koç S., Yilmazer H., Nakai M.

2nd International Conference on Material Science and Technology in Cappadocia (IMSTEC 2017), Nevşehir, Turkey, 11 - 13 October 2017, pp.379

- XX. **Comparison of corrosion behaviors of β -type Ti₂₉Nb₁₃Ta_{4.6}Zr alloys with α and $\alpha+\beta$ type titanium alloys**
Dikici B., Nunomi M., Topuz M., Yilmazer H., Nakai M.
2nd International Conference on Advanced Engineering Technologies (ICADET 2017), Bayburt, Turkey, 21 - 23 September 2017, pp.1
- XXI. **Silver/Hydroxyapatite Hybrid Coatings on Ti-6Al-4V Surfaces by Sol-Gel Method**
DİKİCİ B., Koç S., Topuz M., NIINOMI M., NAKAI M.
European Congress and Exhibition on Advanced Materials and Processes (EUROMAT 2017), Thessaoniki, Greece, 17 - 22 September 2017, pp.1
- XXII. **Structural characterization and in-vitro corrosion response of HA/TiO₂ composite coatings on Ti-6Al-4V**
Topuz M., DİKİCİ B., Koç S., NIINOMI M., NAKAI M.
20th International Corrosion Congress & Process Safety Congress 2017 (EUROCORR 2017), Prag, Czech Republic, 3 - 07 September 2017, pp.1-10
- XXIII. **The Effect of Hydroxyapatite Based Bioactive Coatings Reinforced with TiO₂ Particles on the Corrosion Resistance of Grade 2 CP Ti**
Topuz M., DİKİCİ B., (Güngör) Koç S., Niinomi M., Nakai M.
The 22nd Biomedical Science and Technology Symposium (BIOMED2017), Ankara, Turkey, 12 - 14 May 2017
- XXIV. **Al-Cu metal matrisli kompozitlerin korozyon davranışı üzerine B4C partikül hacim oranı ve yaşlandırma işleminin birleşik etkisi**
TOZKOPARAN B., Dikici B., BEDİR F., Topuz M., GAVGALI M.
II. Savunma Sanayi Sempozyumu, Kırıkkale, Turkey, 6 - 08 April 2017, pp.1-8
- XXV. **Preparation and Characterization of Chitosan/Hydroxyapatite Sol-gel Coating on Ti-6Al-4V (Güngör) Koç S., Dikici B., Topuz M., Yilmazer H., Ozdemir I., Niinomi M., Nakai M.**
6th International Conference on Advanced Materials and Systems (ICAMS 2016), Bucuresti, Romania, 20 - 22 October 2016, pp.1
- XXVI. **Zirkonya Takviyeli Hidroksiapatit (HA) Bazlı Biyoaktif Hibrid Kaplamaların Korozyon Duyarlılıkları**
Topuz M., Dikici B., (Güngör) Koç S., Yilmazer H., Nakai M., Niinomi M.
14. Uluslararası Korozyon Sempozyumu (KORSEM 2016), Bayburt, Turkey, 5 - 07 October 2016, pp.1-10
- XXVII. **Synthesis and Characterization of Sol-gel Hydroxyapatite Coatings on the Beta Type Titanium Alloys: the Effect of Sintering Conditions**
Dikici B., Topuz M., (Güngör) Koç S., Yilmazer H., Niinomi M.
3rd International Conference on Advanced Technology & Sciences (ICAT'16), Konya, Turkey, 1 - 03 September 2016, pp.295
- XXVIII. **Beta (β)-Tipi Titanyum Alaşımlarının Elektrokimyasal Korozyon Davranışı Üzerine Hydroxyapatite Esaslı Biyoaktif Kaplamaların Etkisi**
Dikici B., Topuz M., (Güngör) Koç S., Yilmazer H., Niinomi M., Nakai M.
12. Ulusal Kimya Mühendisliği Kongresi UKMK2016, İzmir, Turkey, 23 - 26 August 2016, pp.419
- XXIX. **Metal Oksit Takviyeli Hidroksiapatit (HA) Bazlı Biyoaktif Hibrid Kaplamalar Üzerine Bazı Çalışmalar**
Topuz M., Dikici B., Güngör S.
International Conference on Material Science and Technology in Cappadocia, Nevşehir, Turkey, 6 - 08 April 2016, pp.511-516
- XXX. **Bankamatiklerde Gümüş Kaplamalı Antibakteriyel Tuş Takımı Kullanımı**
TOPUZ M., TOPUZ A.
Metalik Fikirler 4. Ar-Ge Proje Pazarı, İstanbul, Turkey, 8 - 10 October 2015
- XXXI. **Beta β Tipi Titanyum Alaşımları Üzerine Biyoaktif Hibrid Kaplamaların Üretilmesi Karakterizasyonu ve İnVitro Korozyon Özelliklerinin Araştırılması**
TOPUZ M.

Supported Projects

- Topuz M., TETER N., Project Supported by Higher Education Institutions, TIG Kaynak Yöntemi ile Ti-6Al-4V Biyomedikal Alaşımları Üzerine Magnezyum-Hidroksiapatit Kompozit Yüzey Modifikasyonu ve Hidroksiapatit Etkisinin Araştırılması, 2024 - Continues
- Topuz M., ÖZBEY M. G., Project Supported by Higher Education Institutions, Ti-6Al-4V Biyomedikal Alaşımı Yüzeylerine Mg-HA Kompozitlerin TIG Kaynak Yöntemi ile Kaplanması ve Kaynak Akım Etkisinin Araştırılması, 2024 - Continues
- Akınay Y., Topuz M., Project Supported by Higher Education Institutions, Merkezi Araştırma Laboratuvarı İdamesi, 2024 - Continues
- Topuz M., Dikici B., Project Supported by Higher Education Institutions, Ti-30Zr-5Mo Alaşımında Poli- (laktik asit) Esaslı Kaplamaların İn-vitro Korozyon Davranışının İncelenmesi, 2023 - 2024
- Topuz M., Dikici B., Coşkun Topuz F., Project Supported by Higher Education Institutions, Ceviz Kabuğu Takviyeli Fonksiyonel Poli- (Laktik Asit)/Hidroksiapatit Hibrid Biyokompozit Kaplamaların Biyobozunur Magnezyum Üzerine Kaplanması, 2023 - 2024
- Dikici B., Gavgalı M., Topuz M., Project Supported by Higher Education Institutions, Kemik Doku Hasarları Kullanımı için Titanyum Esaslı Hidroksiapatit ve Zirkonya ile Fonksiyonlandırılmış Biyokompozit Doku İskelesi Üretimi , 2021 - 2024
- Gavgalı M., Dikici B., Topuz M., Project Supported by Higher Education Institutions, Hidroksiapatit-Zirkonya ile Takviye Edilmiş Titanyum Esaslı Biyokompozit Malzemelerin Üretimi, Karakterizasyonu ve İn-Vitro Özelliklerinin İncelenmesi, 2019 - 2020
- Dikici B., Koç S., Taşpınar M., TUBITAK Project, Beta (β)-Tipi Titanyum Alaşımlarının Vücut Entegrasyonunu ve Biyoyumluluğunu İyileştirmek Amacıyla Sol-Jel Yüzey Modifikasyon İşlemleri ile Biyoaktif Hibrid Kaplamalar ile Kaplanması Ve Karakterizasyonu, 2014 - 2018
- Dikici B., Topuz M., Project Supported by Higher Education Institutions, Beta tipi titanyum alaşımları üzerine biyoaktif hibrid kaplamaların üretilmesi, karakterizasyonu ve in-vitro korozyon özelliklerinin araştırılması, 2015 - 2016
- Dikici B., Topuz M., Köseadağ E., BEDİR F., Project Supported by Higher Education Institutions, Al-Cu Matrisli Kompozitlerin Mekanik ve Korozif Özellikleri Üzerine Yaşlandırma Isıl İşlemi ve Kuvvetlendirici Faz Hacim Oranının Birleşik Etkisinin Araştırılması, 2015 - 2016

Patent

- Topuz M., Dikici B., Gavgalı M., TİTANYUM ESASLI BİYOKOMPOZİT DOKU İSKELESİ ÜRETİM YÖNTEMİ, Patent, CHAPTER A Human Needs, The Invention Recourse Number: 2021/002040 , Standard Registration, 2021

Scientific Refereeing

- BMC ORAL HEALTH, SCI Journal, July 2024
- SCIENTIFIC REPORTS, SCI Journal, July 2024
- JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, SCI Journal, March 2024
- JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, Journal Indexed in SCI-E, November 2023
- High Temperature Corrosion of Materials, Journal Indexed in SCI-E, September 2023
- JOURNAL OF ALLOYS AND COMPOUNDS, Journal Indexed in SCI-E, August 2023
- Yüzüncü Yıl Üniversitesi Fen Bilimleri Enstitüsü Dergisi, National Scientific Refreed Journal, April 2023
- Advances in Materials and Processing Technologies, Journal Indexed in SCI-E, December 2022
- JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, Journal Indexed in SCI-E, December 2022
- Yüzüncü Yıl Üniversitesi Fen Bilimleri Enstitüsü Dergisi, National Scientific Refreed Journal, October 2022
- JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, Journal Indexed in SCI-E, August 2022

International Journal of Innovative Engineering Applications, National Scientific Refreed Journal, July 2022
Journal Of Materials Engineering And Performance, Journal Indexed in SCI-E, March 2022
Yüzüncü Yıl Üniversitesi Fen Bilimleri Enstitüsü Dergisi, National Scientific Refreed Journal, February 2022
Journal Of Materials Engineering And Performance, Journal Indexed in SCI-E, February 2022
Journal Of Thermal Spray Technology, SCI Journal, September 2021
Journal Of Materials Engineering And Performance, Journal Indexed in SCI-E, September 2021
Journal Of Materials Engineering And Performance, Journal Indexed in SCI-E, August 2021
Journal Of Materials Engineering And Performance, Journal Indexed in SCI-E, May 2021
Proceedings Of The Institution Of Mechanical Engineers Part H-Journal Of Engineering In Medicine, SCI Journal, July 2020
Transactions Of Nonferrous Metals Society Of China, SCI Journal, December 2019
Research on Engineering Structures and Materials (RESM), Other Indexed Journal, October 2019
Research on Engineering Structures and Materials (RESM), Other Indexed Journal, October 2018
Research on Engineering Structures and Materials (RESM), Other Indexed Journal, August 2018
Proceedings Of The Institution Of Mechanical Engineers Part H-Journal Of Engineering In Medicine, SCI Journal, October 2017

Metrics

Publication: 55
Citation (WoS): 159
Citation (Scopus): 205
H-Index (WoS): 8
H-Index (Scopus): 8

Congress and Symposium Activities

16th International Corrosion Symposium, KORSEM'24, Attendee, Karaman, Turkey, 2024
Cukurova 10th International Scientific Researches Conference , Attendee, Adana, Turkey, 2023
9th International Engineering Architecture and Design Congress, Attendee, İstanbul, Turkey, 2022
7th International Congress on Engineering and Technology Management, Attendee, İstanbul, Turkey, 2022
X International Symposium on Materials (MATERIAIS 2019), Attendee, Lisbon, Portugal, 2019
3rd International Congress on 3D Printing (Additive Manufacturing) Technologies and Digital Industry 2018, Attendee, Antalya, Turkey, 2018
1st International Symposium on Light Alloys and Composite Materials (ISLAC'18), Attendee, Karabük, Turkey, 2018
2nd International Conference on Material Science and Technology in Cappadocia (IMSTEC 2017), Panelists, Nevşehir, Turkey, 2017
2th International Conference on Material Science and Technology in Cappadocia (IMSTEC'2017), Attendee, Nevşehir, Turkey, 2017
2nd International Conference on Advanced Engineering Technologies (ICADET 2017), Attendee, Bayburt, Turkey, 2017
20th International Corrosion Congress & Process Safety Congress 2017 (EUROCORR2017), Attendee, Praha, Czech Republic, 2017
The 22nd Biomedical Science and Technology Symposium (BIOMED 2017), Attendee, Ankara, Turkey, 2017
XIV. International Corrosion Symposium (KORSEM 2016), Attendee, Bayburt, Turkey, 2016
3rd International Conference on Advanced Technology & Sciences (ICAT'16), Attendee, Konya, Turkey, 2016
12. Ulusal Kimya Mühendisliği Kongresi (UKMK 2016), Attendee, İzmir, Turkey, 2016
International Conference on Material Science and Technology in Cappadocia (IMSTEC'16), Attendee, Nevşehir, Turkey, 2016
Metalik Fikirler 4. Ar-Ge Proje Pazarı, Attendee, İstanbul, Turkey, 2015

Scholarships

2224-A Yurt Dışı Bilimsel Etkinliklere Katılımı Destekleme Programı, TUBITAK, 2019 - 2019

Awards

Topuz M., Yayın Teşvik (UBYT), Tübitak Ulakbim, October 2021

Topuz M., Yayın Teşvik (UBYT), Tübitak Ulakbim, December 2020

Topuz M., Yayın Teşvik (UBYT), Tübitak Ulakbim, March 2019

Non Academic Experience

Business Establishment Private, Kipaş Kağıt Sanayi A.Ş.