

Res. Asst. Burak ATİK

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Ataturk University, Mühendislik Fakültesi, Makine Mühendisliği, Turkey 2020 - Continues

Postgraduate, Ataturk University, Mühendislik Fakültesi, Makine Mühendisliği, Turkey 2016 - 2020

Undergraduate, Bayburt University, Faculty Of Engineering, Department Of Mechanical Engineering, Turkey 2012 - 2016

Foreign Languages

English, B1 Intermediate

Dissertations

Postgraduate, CpTi Üzerine Kitin TiO₂ SiC ve h-BN İnce Filmler Kaplanarak Biyomimetik Yüzeyler Elde Edilmesi, Ataturk University, Mühendislik Fakültesi, Makine Mühendisliği, 2020

Research Areas

Biomedical Engineering, Biomechanics, Mechanical Engineering, Construction and Manufacturing, Metallurgical and Materials Engineering

Academic Titles / Tasks

Research Assistant, Ataturk University, Mühendislik Fakültesi, Makine Mühendisliği, 2019 - Continues

Courses

Makine Laboratuvarı-II, Undergraduate, 2022 - 2023

Makine Laboratuar-I, Undergraduate, 2022 - 2023

Makine Laboratuvarı II, Undergraduate, 2021 - 2022

Makine Lab-II, Undergraduate, 2020 - 2021

Makine Laboratuvarı I, Undergraduate, 2021 - 2022

Makine Lab-I, Undergraduate, 2020 - 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Analysis of electrochemical corrosion performance of 316L stainless steel fabricated and textured by selective laser melting**
BOZKURT Y. B., SEÇER KAVASOĞLU Y., ATİK B., KOVACI H., ÇELİK A.
Journal of Manufacturing Processes, vol.119, pp.293-304, 2024 (SCI-Expanded)
- II. **Pitting corrosion performance of plasma oxidized Cp-Ti and effects of fabrication methods**
ATİK B., BOZKURT Y. B., Kavasoğlu Y., KOVACI H., ÇELİK A.
Surface and Coatings Technology, vol.478, 2024 (SCI-Expanded)
- III. **Comparison study of corrosion behavior for chitosan coated Ti6Al4V alloy produced by selective laser melting and forging**
BOZKURT Y. B., Kavasoğlu Y., ATİK B., KOVACI H., UZUN Y., ÇELİK A.
PROGRESS IN ORGANIC COATINGS, vol.182, 2023 (SCI-Expanded)
- IV. **Wear and corrosion properties of CP-titanium coated with Chitin-Ceramic nanocomposites**
ÇELİK A., ATİK B., UZUN Y., BOZKURT Y. B., KOVACI H.
MATERIALS CHEMISTRY AND PHYSICS, vol.303, 2023 (SCI-Expanded)

Articles Published in Other Journals

- I. **THE BIOMECHANICAL ANALYSIS FOR BIODEGRADABLE PURE MAGNESIUM BONE SCREWS UNDER THREE POINT BENDING AND TORSIONAL TEST**
Atik B., Bozkurt Y. B., Seçer Kavasoğlu Y., Uzun Y., Kovacı H., Çelik A.
Journal of Selcuk-Technic, no.Özel Sayı, pp.39-46, 2020 (Conference Book)

Refereed Congress / Symposium Publications in Proceedings

- I. **Investigation of the Effect of Bioactive Glass Coating on the Corrosion Behavior of Pre-treated Ti6Al4V Alloy**
Tüzemen Ş. M., Bozkurt Y. B., Atik B., Uzun Y., Çelik A.
6 th INTERNATIONAL CONFERENCE ON LIFE AND ENGINEERING SCIENCES ANTALYA, TURKEY ICOLES 2023, Antalya, Turkey, 2 - 05 November 2023, pp.9
- II. **Electrochemical Impedance Spectroscopy Analysis of 45S5 Bioglass Coating on After Oxidation of CoCrW Alloy**
Tüzemen Ş. M., Bozkurt Y. B., Atik B., Uzun Y., Çelik A.
6 th INTERNATIONAL CONFERENCE ON LIFE AND ENGINEERING SCIENCES ANTALYA, TURKEY ICOLES 2023, Antalya, Turkey, 2 - 05 November 2023, pp.10
- III. **An experimental study of erosion corrosion behavior for passive metals**
BOZKURT Y. B., SEÇER Y., ATİK B., KOVACI H., YETİM A. F., ÇELİK A.
1st International Conference on Advances in Engineering, Architecture, Science and Technology, Erzurum, Turkey, 15 - 17 December 2021
- IV. **Comparison of Electrochemical Corrosion Performances Using Variable Scan Rates on Surfaces with Different Layer Thicknesses**
Bozkurt Y. B., Atik B., Kovacı H., Yetim T., Çelik A.
International Conference on Advances in Engineering, Architecture, Science and Technology, Erzurum, Turkey, 15 - 17 December 2021, pp.660
- V. **ANALYSIS OF FLOW ACCELERATED ELECTROCHEMICAL CORROSION PROPERTIES OF DIFFERENT METALLIC BIOMATERIALS**
Bozkurt Y. B., Atik B., Kovacı H., Uzun Y., Çelik A.
6nd International Conference on Material Science and Technology in Cappadocia (IMSTEC'21), Nevşehir, Turkey,

26 - 28 November 2021, pp.269-273

- VI. **Improving Electrochemical Corrosion Properties of Ti45Nb by Composite Coating**
ATİK B., BOZKURT Y. B., KOVACI H., UZUN Y., ÇELİK A.
5th International Mediterranean Science and Engineering Congress (IMSEC 2020), Alanya, Turkey, 21 - 23 October 2020, pp.654-657
- VII. **Dry Wear Behaviour of Bio-ceramic Coated cp-Ti by Electrophoretic Deposition**
Bozkurt Y. B., Atik B., Kovacı H., Yetim A. F., Çelik A.
5th International Mediterranean Science and Engineering Congress, Antalya, Turkey, 21 - 23 October 2020, pp.580
- VIII. **The biomechanical analysis for biodegradable pure magnesium bone screws under three point bending and torsional test**
ATİK B., BOZKURT Y. B., SEÇER Y., UZUN Y., KOVACI H., ÇELİK A.
9th International Conference on Advanced Technologies, İstanbul, Turkey, 10 - 12 August 2020
- IX. **Investigation of tribocorrosion behavior of 316L coated H-BN with electrophoretic deposition technique**
BOZKURT Y. B., ATİK B., KOVACI H., YETİM A. F., ÇELİK A.
9th International Conference on Advanced Technologies, İstanbul, Turkey, 10 - 12 August 2020
- X. **The Investigation of Pull Out Performance For Pure Magnesium Bone Screws in Biodegradation Perspective**
Atik B., Atila A., Bozkurt Y. B., Kovacı H., Çelik A.
5TH International Conference on Advances in Mechanical Engineering, İstanbul, Turkey, 17 - 19 December 2019, pp.2437
- XI. **Biyouyumluluk perspektifinde östenitik paslanmaz çelik, beta titanyum ve alfabeta titanyum alaşımlarının tribokorozyon performanslarının incelenmesi**
ATİK B., BOZKURT Y. B., KOVACI H., YETİM T., ÇELİK A.
Uluslararası Fen, Matematik ve Mühendislik Kongresi-Ege Üniversitesi, İzmir, Turkey, 8 - 10 October 2019

Expert Reports

- I. **T.C. ERZURUM 1. ASLİYE HUKUK MAHKEMESİ'NE BİLİRKİŞİ RAPORU**
Atik B.
T.C. ERZURUM 1. ASLİYE HUKUK MAHKEMESİ, pp.2, Erzurum, 2020

Supported Projects

BOZKURT Y. B., KOVACI H., ÇELİK A., SEÇER KAVASOĞLU Y., UZUN Y., ATİK B., Project Supported by Higher Education Institutions, Biyoyazıcı ile Üretilmiş Polimerik Stentlerin Biyobozunur Özelliklerinin İyileştirilmesi, 2023 - Continues

BOZKURT Y. B., KOVACI H., TOTİK Y., UZUN Y., ATİK B., TÜZEMEN Ş. M., ÇELİK A., SEÇER KAVASOĞLU Y., Project Supported by Higher Education Institutions, Ar-Ge ve İnovasyon Merkezinin Kurulması, 2023 - Continues

ÇELİK A., BOZKURT Y. B., ATİK B., Project Supported by Higher Education Institutions, Biyomimetik perspektifle işlevselleştirilmiş biyoseramik kaplı Ti6Al4V alaşımının aşınma ve biyokorozyon özelliklerinin incelenmesi, 2022 - Continues

EJDER APAY S., NAİLOĞLU M., ATİK B., Project Supported by Higher Education Institutions, Emzirme Beşiği, 2021 - Continues

ÇELİK A., ATİK B., Project Supported by Higher Education Institutions, CpTi Üzerine Kitin TiO2 SiC ve h-BN İnce Filmler Kaplanarak Biyomimetik Yüzeyler Elde Edilmesi, 2020 - 2021

Patent

Ejder Apay S., Atik B., Breast Feeding Cradle, Patent, CHAPTER A Human Needs, The Invention Recourse Number: PCT/TR2022/004 , Standard Registration, 2022

Scientific Research / Working Group Memberships

İleri Fonksiyonel Malzemeler Ve Yüzeyler Araştırma Grubu, Ataturk University, Türkiye,
<https://avesis.atauni.edu.tr/ResearchTeamSite/afs>, 2019 - Continues

Metrics

Publication: 17

Citation (WoS): 3

Citation (Scopus): 5

H-Index (WoS): 1

H-Index (Scopus): 1