

HALIM KOVACI

ASSOC. PROF.

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Learning Knowledge

Doctorate 2011 - 2016	Ataturk University, Fen Bilimleri Enstitüsü, Makine Mühendisliği Anabilim Dalı, Turkey
Postgraduate 2009 - 2011	Ataturk University, Fen Bilimleri Enstitüsü, Makine Mühendisliği Anabilim Dalı, Turkey
Undergraduate 2004 - 2008	Ataturk University, Mühendislik Fakültesi, Makine Mühendisliği, Turkey

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Cyber Security, KVKK Eğitimi, Atatürk Üniversitesi Sürekli Eğitim Uygulama ve Araştırma Merkezi (ATASEM), 2022
Quality Management, İyi Laboratuvar Uygulamaları Eğitimi (İLU), Türkiye Akreditasyon Kurumu (TÜRKAK), 2022
Quality Management, GLP Eğitimi - II, RAN Kalite, 2022
Quality Management, GLP Eğitimi - I, RAN Kalite, 2021
Finance, Kamu Mali Yönetimi ve Kontrol Kanunu Mevzuat Eğitimi, Atatürk Üniversitesi, 2021
Finance, Kamu Mali Yönetimi ve Kontrol Kanunu Mevzuat Eğitimi, Atatürk Üniversitesi, 2021
Quality Management, GLP Gerekliği Kapsamında Bilgisayarlı Sistem Validasyonu & Risk Analizi ve Veri Bütünlüğü, QVAC
Kalifikasyon ve Validasyon Uygulamaları Danışmanlık, 2019
Quality Management, TS EN ISO 9001:2015 Risk Tabanlı Proses Yönetimi Eğitimi, Türk Standartları Enstitüsü (TSE), 2018
Quality Management, TS EN ISO 9001:2015 Kalite Yönetim Sistemi İç Tetkik Eğitimi, Türk Standartları Enstitüsü (TSE),
2018
Quality Management, TS EN ISO 9001:2015 Kalite Yönetim Sistemi Dokümantasyon Eğitimi, Türk Standartları Enstitüsü
(TSE), 2018
Quality Management, TS EN ISO 9001:2015 Kalite Yönetim Sistemi Temel Eğitimi, Türk Standartları Enstitüsü (TSE), 2018
Foreign Language, Yabancı Dil Eğitimi, Kaplan International English, 2017
Project Management, Mühendislik ve İlgili Bilimlerde Araştırma Projesi Hazırlama Eğitimi, Kafkas Üniversitesi, 2014
Project Management, Ulusal ve Uluslararası Ölçekte Proje Hazırlama Eğitimi, Erzincan Binali Yıldırım Üniversitesi, 2014

Dissertations

Doctorate, Effects of plasma nitriding, DLC coating and duplex surface treatments on fatigue crack growth behavior of
AISI 4140 steel under overload and underload, Ataturk University, Fen Bilimleri Enstitüsü, Makine Mühendisliği Anabilim

Dalı, 2016

Postgraduate, Investigation of mechanical effects caused by various fixation positions on radius intramedullary nails using finite element method, Ataturk University, Fen Bilimleri Enstitüsü, Makine Mühendisliği, 2011

Academic Titles / Tasks

Associate Professor 2020 - Continues	Ataturk University, Mühendislik Fakültesi, Makine Mühendisliği
Assistant Professor 2018 - 2020	Ataturk University, Mühendislik Fakültesi, Makine Mühendisliği
Assistant Professor 2017 - 2018	Ataturk University, Mühendislik Fakültesi, Makine Mühendisliği
Research Assistant PhD 2016 - 2017	Ataturk University, Mühendislik Fakültesi, Makine Mühendisliği
Research Assistant 2011 - 2016	Ataturk University, Mühendislik Fakültesi, Makine Mühendisliği

Supported Projects

- ÖZAKIN A. N. , EFEĞLU İ., ÖNER İ. V. , YILDIRIM O., ACAR M. T. , TOPRAK B. İ. , HÜLAGÜ B., GÜLTEN G., SOLMAZ İ., KOVACI H., et al., Project Supported by Higher Education Institutions, Makine Mühendisliği Bölümü Bakım Onarım Projesi, 2021 - Continues
- KOVACI H., Project Supported by Higher Education Institutions, ANATOMİC FEMURAL GÜDE TASARIMI-2, 2021 - Continues
- ÇELİK A., KOVACI H., BOZKURT Y. B. , Project Supported by Higher Education Institutions, Dinamik Spinal Fiksator Sistemi - 2, 2021 - Continues
- KOVACI H., SEÇER Y., ÇELİK A., Project Supported by Higher Education Institutions, Seçici Lazer Ergitme Yöntemi ile Tribolojik Performansı Yüksek Biyomimetik ve Fonksiyonel Yüzeyler Üretilmesi, 2021 - Continues
- ÇELİK A., KILIÇ H., YEŞİLYAPRAK C., KOÇAK M., BOZTAŞ G. D. , ŞATIR O., YURDGÜLÜ H. İ. , ATALAY K., TEZCAN C. T. , ÖZTÜRK ÇETNİ D., et al., Project Supported by Higher Education Institutions, Atatürk Üniversitesi ArGe Altyapısının ve Yeteneklerinin Ulusal ve Uluslararası Organizasyonlarda Tanıtılarak Farklı Kurum ve Kuruluşlar ile Ortak Proje ve İşbirliği Potansiyelinin Artırılması, 2021 - 2022
- Çelik A., Kovacı H., Project Supported by Higher Education Institutions, Bor ve Grafen Katkılı Yeni Nesil Dental İmplantların Üretimi, 2021 - 2022
- Çelik A., Kovacı H., TUBITAK Project, Yeni Nesil Dental İmplantların Üretimi: Yüzey Özellikleri İyileştirilmiş, İslanabilirliği-Osseointegrasyonu Yüksek ve Biyoyumlu Dental İmplantlar, 2021 - 2022
- AYSİN F., KOVACI H., ŞİMŞEK ÖZEK N., YILMAZ A., ANAKÖK Ö. F. , YILDIRIM V., Project Supported by Higher Education Institutions, Sitotoksisite Çalışmaları Kapsamında DAYTAM Hücre Kültürü Laboratuvarı ile Taramalı Elektron Mikroskop SEM Altyapısının Güçlendirilmesi, 2020 - 2022
- KILIÇ H., KOVACI H., Project Supported by Higher Education Institutions, DAYTAM Altyapısının Bakım Onarımı ve İyi Laboratuvar Uygulamaları İLU Kalite Güvence Sisteminin DAYTAM'a Kurulması, 2019 - 2021
- ARABACI T., AYTEKİN Z., İSKENDERÖĞLU D., GÜR E., KOVACI H., Project Supported by Higher Education Institutions, İmplant Uygulamaları için Titanyum Disk Yüzeylerinin Saçtırma Tekniği Kullanılarak Farklı Bor

Bileşikleriyle Kaplanması Mekanik Özelliklerinin İn Vitro Olarak İncelenmesi, 2017 - 2020

11. YEŞİLYAPRAK C., KILIÇ H., ATİLA A., KARAMAN E., İKİZ T., TEZCAN C. T. , KOVACI H., YURDGÜLÜ H. İ. , ŞİMŞEK ÖZEK N., TÜRK H., et al., Project Supported by Higher Education Institutions, Üniversitemiz Araştırma Altyapılarının Farklı Disiplinlere Yönelik Ulusal ve Uluslararası Organizasyonlarda ArGe Tanıtım ve Ortak Proje İşbirliği Potansiyelinin Araştırılması ve Gerçekleştirilmesi, 2019 - 2019
12. KOVACI H., KAYMAZ İ., YILDIRIM Ö. S. , KORKMAZ İ. H. , Project Supported by Higher Education Institutions, ANATOMİK FEMURAL GUİDE TASARIMI, 2016 - 2019
13. TOTİK Y., BULAT M., TOPRAK B. İ. , SEZEK S., KOVACI H., GÖK S., HÜLAGÜ B., GÜRÜF G., TOP M. M. , ÇELİK A., et al., Project Supported by Higher Education Institutions, TÜBİTAK Alternatif Enerjili Araçlar Yarışması İçin Elektrikli Otomobil, Elektrik Motoru Üretimi ve Geliştirmesi, 2018 - 2018
14. ÇELİK A., KOVACI H., BOZKURT Y. B. , Project Supported by Higher Education Institutions, "DİNAMİK SPİNAL FİKSATÖR SİSTEMİ", 2015 - 2018
15. ÇELİK A., KOVACI H., ÇOMAKLI O., BOZKURT Y. B. , ASLAN M., Project Supported by Higher Education Institutions, PLAZMA NİTRÜLEME İŞLEMİNİN ÇELİK VE DÖKÜM KAM MİLLERİ ÜZERİNDEKİ YAPISAL, MEKANİK VE TRİBOLOJİK ETKİLERİNİN İNCELENMESİ, 2016 - 2017
16. ÖZYER B., KOVACI H., KELEŞ A., Project Supported by Higher Education Institutions, "İNSANSIZ HAVA ARACI TASARIMI İMALATI VE ÖĞRENCİ YARIŞMALARINA KATILIMIN SAĞLANMASI", 2016 - 2017
17. ÇELİK A., KOVACI H., Project Supported by Higher Education Institutions, DİNAMİK SPİNAL FİKSATÖR TASARIMI VE BİYOMEKANİK ANALİZİ, 2015 - 2017
18. KOVACI H., TUBİTAK Project, Anatomik Total Diz Protezi Tasarımı ve Deneysel Olarak Performansının İncelenmesi, 2014 - 2016
19. ÇELİK A., KOVACI H., Project Supported by Higher Education Institutions, YÜZEY İŞLEMLERİNİN YORULMA ÇATLAK İLERLEMESİ ÜZERİNDEKİ ETKİLERİNİN İNCELENMESİ, 2013 - 2015
20. ÇELİK A., KOVACI H., EU Supported Other Project, New Applications and Course Materials for Prosthetic Dentistry, Implant Dentistry and Biomedical Engineers-(BIO-DENT), 2012 - 2015
21. ÇELİK A., KOVACI H., Project Supported by Higher Education Institutions, PLAZMA OKSİTLEME İŞLEMİNİN FARKLI TİTANYUM TRİBOLOJİK, ELEKTROKİMYASAL VE BİYOUYUMLULUK ÖZELLİKLERİNE ETKİSİ, 2012 - 2014
22. ÇELİK A., KOVACI H., Project Supported by Higher Education Institutions, AISI 4140 ÇELİĞİNİN FARKLI KONTAK BASINÇLARDA FRETİNG YORULMA ÖMRÜNÜN BELİRLENMESİ, 2012 - 2013

Awards

1. KOVACI H., Teşekkür Belgesi, Atatürk Üniversitesi Rektörlüğü, May 2014
2. KOVACI H., Yüksek Onur Öğrencisi (Lisans), Atatürk Üniversitesi, June 2008

Scholarships

2211-Yurtiçi Lisansüstü Burs Programı, TÜBİTAK, 2011 - 2016

Jury Memberships

Post Graduate, Post Graduate, Erzurum Teknik Üniversitesi, June, 2022

Doctorate, Doctorate, Atatürk Üniversitesi, February, 2022

Post Graduate, Post Graduate, Atatürk Üniversitesi, January, 2022

Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, December, 2021

Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, December, 2021

Post Graduate, Post Graduate, Atatürk Üniversitesi, July, 2021

Post Graduate, Post Graduate, Atatürk Üniversitesi, July, 2021

Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, May, 2021
Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, May, 2021
Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, May, 2021
Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, December, 2020
Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, December, 2020
Doctorate, Doctorate, Atatürk Üniversitesi, December, 2020
Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, December, 2020
Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, November, 2020
Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, November, 2020
Post Graduate, Post Graduate, Atatürk Üniversitesi, July, 2020

Published journal articles indexed by SCI, SSCI, and AHCI

- 1. Synthesis and characterization of wear and corrosion resistant Ni-doped Al₂O₃ nanocomposite ceramic coatings by sol-gel method**
Yetim T., Turalioğlu K., Taftali M., Tekdir H., KOVACI H., Yetim A. F.
Surface and Coatings Technology, vol.444, 2022 (Journal Indexed in SCI Expanded)
- 2. Tribocorrosion properties and mechanism of a shot peened AISI 4140 low-alloy steel**
BOZKURT Y. B. , KOVACI H., Yetim A., ÇELİK A.
Surface and Coatings Technology, vol.440, 2022 (Journal Indexed in SCI Expanded)
- 3. Improving the wettability and corrosion behavior of Cp-Ti by applying anodization surface treatment with the addition of boric acid, graphene oxide and hydroxyapatite**
Acar M. T. , Kovaci H., Celik A.
Materials Today Communications, vol.31, 2022 (Journal Indexed in SCI Expanded)
- 4. Designing and in vitro testing of a novel patient-specific total knee prosthesis using the probabilistic approach**
Korkmaz I. H. , KAYMAZ İ., Yildirim O. S. , MURAT F., KOVACI H.
BIOMEDICAL ENGINEERING-BIOMEDIZINISCHE TECHNIK, 2022 (Journal Indexed in SCI)
- 5. Influences of Ti, Al and V metal doping on the structural, mechanical and tribological properties of DLC films**
Yetim A. F. , Kovaci H., Kasapoglu A. E. , Bozkurt Y. B. , Celik A.
DIAMOND AND RELATED MATERIALS, vol.120, 2021 (Journal Indexed in SCI)
- 6. Enhancement of the tribological performance and surface wettability of Ti₆Al₄V biomedical alloy with boric/sulfuric acid anodic film**
Acar M. T. , Kovaci H., Celik A.
SURFACE TOPOGRAPHY-METROLOGY AND PROPERTIES, vol.9, no.3, 2021 (Journal Indexed in SCI)
- 7. The effects of boriding on metal-ceramic bond strength of Co-Cr alloy fabricated by selective laser melting**
UZUN Y., YANIKOĞLU N., KOVACI H., Yetim A. F. , ÇELİK A.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.35, no.14, pp.1576-1591, 2021 (Journal Indexed in SCI)
- 8. Corrosion and tribocorrosion properties of duplex surface treatments consisting of plasma nitriding and DLC coating**
Kovaci H., BOZKURT Y. B. , Yetim A. F. , Baran O., Celik A.
Tribology International, vol.156, 2021 (Journal Indexed in SCI Expanded)
- 9. Improved tribological performance of AISI 316L stainless steel by a combined surface treatment: Surface texturing by selective laser melting and plasma nitriding**
KOVACI H., SEÇER Y.
Surface and Coatings Technology, vol.400, 2020 (Journal Indexed in SCI)
- 10. Improving structural, tribological and electrochemical properties of Ti₆Al₄V alloy with B-doped TiO₂ thin films**

Çelik A., Acar M. T. , Yetim T., Kovacı H., Yetim A.

TRIBOLOGY INTERNATIONAL, vol.146, 2020 (Journal Indexed in SCI)

11. **Comparison of the microstructural, mechanical and wear properties of plasma oxidized Cp-Ti prepared by laser powder bed fusion additive manufacturing and forging processes**
Kovacı H.
SURFACE & COATINGS TECHNOLOGY, vol.374, pp.987-996, 2019 (Journal Indexed in SCI)
12. **Biomechanical analysis of spinal implants with different rod diameters under static and fatigue loads: an experimental study**
Kovacı H., Yetim A. F. , Çelik A.
BIOMEDICAL ENGINEERING-BIOMEDIZINISCHE TECHNIK, vol.64, pp.339-346, 2019 (Journal Indexed in SCI)
13. **Effect of boronizing on the structural, mechanical and tribological properties of CoCrW dental alloy produced by selective laser melting**
Uzun Y., Kovacı H., Yetim A. F. , Çelik A.
Industrial Lubrication and Tribology, vol.71, no.3, pp.348-356, 2019 (Journal Indexed in SCI Expanded)
14. **The effect of surface plastic deformation produced by shot peening on corrosion behavior of a low-alloy steel**
Kovacı H., Bozkurt Y., Yetim A., Aslan M., Çelik A.
Surface and Coatings Technology, vol.360, pp.78-86, 2019 (Journal Indexed in SCI)
15. **Effects of shot peening pre-treatment and plasma nitriding parameters on, the structural, mechanical and tribological properties of AISI 4140 low-alloy steel**
Kovacı H., Hacısalihoğlu I., Yetim A. F. , Çelik A.
SURFACE & COATINGS TECHNOLOGY, vol.358, pp.256-265, 2019 (Journal Indexed in SCI)
16. **Tribological and electrochemical properties of TiO₂ films produced on Cp-Ti by sol-gel and SILAR in bio-simulated environment**
Çomaklı O., Yazıcı M., KOVACI H., Yetim T., Yetim A., ÇELİK A.
Surface and Coatings Technology, vol.352, pp.513-521, 2018 (Journal Indexed in SCI)
17. **The friction and wear performance of DLC coatings deposited on plasma nitrided AISI 4140 steel by magnetron sputtering under air and vacuum conditions**
KOVACI H., BARAN Ö., Yetim A. F. , BOZKURT Y. B. , Kara L., ÇELİK A.
SURFACE & COATINGS TECHNOLOGY, vol.349, pp.969-979, 2018 (Journal Indexed in SCI)
18. **Structural, mechanical and tribological properties of Ti and TiN coatings on 316L stainless steel**
Yazıcı M., KOVACI H., Yetim A., ÇELİK A.
Ceramics International, vol.44, no.12, pp.14195-14201, 2018 (Journal Indexed in SCI)
19. **Investigation of the usage possibility of CuO and CuS thin films produced by successive ionic layer adsorption and reaction (SILAR) as solid lubricant**
KOVACI H., AKALTUN Y., Yetim A. F. , Uzun Y., ÇELİK A.
Surface and Coatings Technology, vol.344, pp.522-527, 2018 (Journal Indexed in SCI Expanded)
20. **Tribological behavior of DLC films and duplex ceramic coatings under different sliding conditions**
KOVACI H., Yetim A. F. , BARAN Ö., ÇELİK A.
Ceramics International, vol.44, no.6, pp.7151-7158, 2018 (Journal Indexed in SCI)
21. **DRY SLIDING WEAR CHARACTERISTICS OF PLASMA-NITROCARBURIZED Co - Cr - Mo ALLOY**
BAYRAK Ö., KOVACI H., Yildiz F., Yetim A. F. , ÇELİK A.
METAL SCIENCE AND HEAT TREATMENT, vol.58, pp.742-747, 2017 (Journal Indexed in SCI)
22. **Influence of plasma nitriding treatment on the adhesion of DLC films deposited on AISI 4140 steel by PVD magnetron sputtering**
KOVACI H., BARAN Ö., BAYRAK Ö., Yetim A. F. , ÇELİK A.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.31, no.18, pp.2015-2027, 2017 (Journal Indexed in SCI)
23. **A NOVEL METHOD FOR IMPROVING PLASMA NITRIDING EFFICIENCY: PRE-MAGNETIZATION BY DC MAGNETIC FIELD**
KOVACI H., Yetim A. F. , BOZKURT Y. B. , ÇELİK A.
SURFACE REVIEW AND LETTERS, vol.24, no.1, 2017 (Journal Indexed in SCI)

24. **Effect of Plasma Nitriding Parameters on the Wear Resistance of Alloy Inconel 718**
KOVACI H., GHAHRAMANZADEH H. A. S. L. , ALBAYRAK Ç., Alsaran A., ÇELİK A.
METAL SCIENCE AND HEAT TREATMENT, vol.58, pp.470-474, 2016 (Journal Indexed in SCI)
25. **Fatigue crack growth behavior of DLC coated AISI 4140 steel under constant and variable amplitude loading conditions**
KOVACI H., Yetim A. F. , BARAN Ö., ÇELİK A.
SURFACE & COATINGS TECHNOLOGY, vol.304, pp.316-324, 2016 (Journal Indexed in SCI)
26. **Fatigue crack growth analysis of plasma nitrided AISI 4140 low-alloy steel: Part 2-Variable amplitude loading and load interactions**
KOVACI H., Yetim A. F. , BARAN Ö., ÇELİK A.
MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, vol.672, pp.265-275, 2016 (Journal Indexed in SCI)
27. **Fatigue crack growth analysis of plasma nitrided AISI 4140 low-alloy steel: Part 1-constant amplitude loading**
KOVACI H., Yetim A. F. , BARAN Ö., ÇELİK A.
MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, vol.672, pp.257-264, 2016 (Journal Indexed in SCI)
28. **The effect of post aging on wear properties of a plasma nitrided ferromagnetic steel under DC magnetic field**
Yetim A. F. , KOVACI H., Yıldız F., BAYRAK Ö., ÇELİK A.
WEAR, vol.332, pp.988-994, 2015 (Journal Indexed in SCI)
29. **Numerical investigation of mechanical effects caused by various fixation positions on a new radius intramedullary nail**
ÇELİK A., KOVACI H., SAKA G., Kaymaz I.
COMPUTER METHODS IN BIOMECHANICS AND BIOMEDICAL ENGINEERING, vol.18, no.3, pp.316-324, 2015 (Journal Indexed in SCI)
30. **Treatment with α -lipoic acid enhances the bone healing after femoral fracture model of rats.**
AYDIN A., HALICI Z., AKOZ A., KARAMAN A., FERAH I., BAYIR Y., AKSAKAL A. M. , AKPINAR E., SELLİ J., KOVACI H.
Naunyn-Schmiedeberg's archives of pharmacology, vol.387, no.11, pp.1025-36, 2014 (Journal Indexed in SCI)
31. **New interlocking intramedullary radius and ulna nails for treating forearm diaphyseal fractures in adults: A retrospective study**
SAKA G., SAGLAM N., KURTULMUS T., AVCI C. C. , Akpinar F., KOVACI H., ÇELİK A.
INJURY-INTERNATIONAL JOURNAL OF THE CARE OF THE INJURED, vol.45, 2014 (Journal Indexed in SCI)
32. **The effect of magnetic field on the wear properties of a ferromagnetic steel**
Yetim A. F. , Kovacı H., Aslan M., Çelik A.
WEAR, vol.301, pp.636-640, 2013 (Journal Indexed in SCI)

Articles Published in Other Journals

1. **Effects of Boriding, Nitrocarburizing, Nitriding and Post-oxidation Treatments on The Tribological Properties of DIN 32CrMoV12-10 Steel**
ÇEP H., KOVACI H., ÇİMENOĞLU H., ÇELİK A.
Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.14, no.3, pp.936-949, 2021 (Other Refereed National Journals)
2. **The effect of wear mechanism for plasma oxidized Cp-Ti and its alloys on tribocorrosion performance**
SEÇER Y., BOZKURT Y. B. , KOVACI H., YETİM A. F. , ÇELİK A.
Selçuk-Teknik Dergisi, pp.28-38, 2020 (Other Refereed National Journals)
3. **THE BIOMECHANICAL ANALYSIS FOR BIODEGRADABLE PURE MAGNESIUM BONE SCREWS UNDER THREE POINT BENDING AND TORSIONAL TEST**

Atik B., Bozkurt Y. B. , Seer Y., Uzun Y., Kovacı H., elik A.

Journal of Selcuk-Technic, pp.39-46, 2020 (National Refreed University Journal)

4. **İntramedüller ivilerin Statik ve Dinamik Eęilme Özelliklerinin Deneysel ve Teorik Olarak İncelenmesi**
Kovacı H.
Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.12, pp.595-606, 2019 (Other Refereed National Journals)
5. **Dental implant uygulamalarında ultra-ince tane yapılı titanyumun kullanılabilirliğinin araştırılması**
Hacısalihoęlu İ., KOVACI H., Pürek G., ALSARAN A.
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.18, pp.67-76, 2014 (National Refreed University Journal)
6. **Tibia kırıklarında kullanılan kilitli ve kilsiz plak fiksasyon sistemlerinin sonlu elemanlar yöntemiyle incelenmesi**
GHAHRAMANZADEH H. A. S. L. , KOVACI H., ALSARAN A., KAYMAZ İ., ELİK A., YILDIRIM Ö. S.
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.18, pp.167-174, 2014 (National Refreed University Journal)
7. **Radius kırıklarında plak fiksasyonu ve intramedüller ivileme yöntemlerinin teorik olarak incelenmesi**
Kovacı H., Ghahramanzadeh H. A. S. L. , Kaymaz İ., Alsaran A., elik A., Saka G.
Annals Of Statistics, vol.16, no.3, pp.330-336, 2012 (National Refreed University Journal)
8. **ene kırıklarında kullanılan Mini Plakların Yerleřtirilmesinin Simülasyonu ve Gerilme Analizi**
Kahramanzade H., Kovacı H., Kaymaz İ., Alsaran A., elik A., Akař İ.
TMMOB MMO Mühendis ve Makina, vol.53, no.628, pp.44-49, 2012 (National Non-Refereed Journal)
9. **Investigation of the pull-out strengths of Ti6Al4V cortical screws oxidized with various methods**
Vangölu S. Y. , Bayrak Ö., Kovacı H., Yıldırım Ö. S. , Alsaran A., elik A.
Journal of Biomechanics, vol.44, pp.5, 2011 (Refereed Journals of Other Institutions)

Books & Book Chapters

1. **KAYNAK TEKNOLOJİSİ**
Karadeniz S., Yetim A. F. , Kovacı H., Uzun Y., Aslan M., elik A. (Editor)
Nobel Yayın Daęıtım, Ankara, 2020
2. **Temel Tanımlar ve Kavramlar**
KOVACI H.
in: Makina ve Tehizat, Bilen Kadir, Editor, Atatürk Üniversitesi Açıköęretim Fakültesi Yayını, pp.4-26, 2020
3. **Kaynak ve Metal (sıcak-soęuk) Kesme İşlemlerinde İSG**
KOVACI H.
in: Elektrik ve Metal İşlerinde İSG, Muhammed Fatih ora, İhsan Efeoęlu, Editor, Atatürk Üniversitesi, pp.326-347, 2019
4. **Baęlama Elemanları**
KOVACI H.
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3. **An Experimental Study of Erosion Corrosion Behavior for Passive Metals**
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20. **Spinal İmplant grupları için inovatif test metodu: Tekrarlı hareket altında tutunma performansının incelenmesi**
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28. **Production technologies and biomaterials used on modern spinal instrumentation**
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30. **Experimental investigation of the biomechanical performance of rigid and dynamic spinal rod designs**
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31. **Effects of duplex composite layers produced by plasma nitriding and DLC coating on fatigue crack growth behavior of a low-alloy steel**
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32. **Comparison of electrochemical properties of TiO₂, ZrO₂ and TiO₂-ZrO₂ composite films deposited on Ti45Nb alloys**
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44. **The effect of magnetic field on the wear properties of a ferromagnetic steel**
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53. **Hidroksiapatit içeren TiO₂ kaplanmış Ti6Al4V alaşımının potansiyodinamik korozyon davranışı**
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- Fore Kazık Makinesi Kelly Aparatı Hasar Analiz Raporu**
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Gümrük ve Ticaret Bakanlığı, Erzurum Gümrük Müdürlüğü, pp.4, Erzurum, 2016

Academic and Administrative Experience

2022 - Continues	Rectorate Commissioner	Ataturk University, Rektörlük, Proje Geliştirme ve Koordinasyon Ofisi (PDO)
2020 - Continues	Uygulama ve Araştırma Merkezi Yönetim Kurulu Üyesi	Ataturk University, Rektörlük, Klinik Araştırma Geliştirme ve Tasarım Merkezi (KARGETAM)
2019 - Continues	Uygulama ve Araştırma Merkezi Yönetim Kurulu Üyesi	Ataturk University, Rektörlük, Astrofizik Araştırma ve Uygulama Merkezi (ATASAM)
2018 - Continues	Assistant Manager of Research and Application Center	Ataturk University, Rektörlük, Doğu Anadolu Yüksek Teknoloji Uygulama ve Araştırma Merkezi (DAYTAM)
2018 - Continues	Uygulama ve Araştırma Merkezi Yönetim Kurulu Üyesi	Ataturk University, Rektörlük, Doğu Anadolu Yüksek Teknoloji Uygulama ve Araştırma Merkezi (DAYTAM)
2017 - 2018	Deputy Head of Department	Atatürk Üniversitesi, Makine Mühendisliği

Courses

Makine Mühendisliği Seçmeli Tasarım I, Undergraduate, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021, 2021 - 2022

Makine Elemanları II, Undergraduate, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021, 2021 - 2022

Makine Mühendisliği Seçmeli Tasarım II, Undergraduate, 2016 - 2017, 2018 - 2019, 2019 - 2020, 2020 - 2021, 2021 - 2022

İstatistik ve Olasılık, Undergraduate, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021, 2021 - 2022

Bitirme Projesi II, Undergraduate, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021, 2021 - 2022

Plazma Tekniği, Doctorate, 2020 - 2021, 2021 - 2022

İş Kazaları ve Korunma, Postgraduate, 2016 - 2017, 2019 - 2020, 2020 - 2021, 2021 - 2022

Yorulma, Postgraduate, 2019 - 2020, 2020 - 2021
Makine Elemanları I, Undergraduate, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2021 - 2022
Bitirme Projesi I, Undergraduate, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021, 2021 - 2022
Makine Laboratuvarı II, Undergraduate, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020
Makine Laboratuvarı I, Undergraduate, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021
Mekanik Metalürji I, Postgraduate, 2017 - 2018, 2018 - 2019, 2019 - 2020
Elektrik Elektronik Bilimi, Undergraduate, 2019 - 2020
Mekanik Metalürji II, Postgraduate, 2017 - 2018, 2018 - 2019
Computer Programming, Undergraduate, 2017 - 2018
Proje Tasarım Esasları, Undergraduate, 2016 - 2017
Bilgisayar Programlama, Undergraduate, 2016 - 2017

Advising Theses

Kovacı H., Improving the fatigue properties of notched parts by plasma nitriding, Postgraduate, F.YILAN(Student), 2022
Kovacı H., Effect of different surface textures produced by selective laser melting and plasma nitriding treatment on the structural, mechanical and tribological properties of AISI 316L stainless steel, Postgraduate, Y.Seçer(Student), 2019
Kovacı H., Investigation of the tribological properties of shot peened, plasma nitrided and shot peening/plasma nitriding duplex surface treated AISI 4140 steel under magnetic field, Postgraduate, H.ÇELİK(Student), 2019

Patent

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TUBITAK Project, 1002 - Quick Support Program, Ataturk University, Turkey, February 2021
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Edit Congress and Symposium Activities

27th Annual International Conference on Composites or Nano Engineering (ICCE-27), Attendee, Granada, Spain, 2019
Turkey Innovation Week, Attendee, İstanbul, Turkey, 2019
14. International Defense Industry Fair (IDEF'19), Attendee, İstanbul, Turkey, 2019
26th Expomed Eurasia Fair, Attendee, İstanbul, Turkey, 2019
Sağlık Bilimleri ve Mühendislik Entegrasyonu Çalıştayı, Attendee, Erzurum, Turkey, 2019
1st International Conference on Advances in Mechanical and Mechatronics Engineering (ICAMMEN 2018), Attendee, Ankara, Turkey, 2018
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21th International Conference on Composite Structures, Attendee, Bologna, Italy, 2018
International 9th Biomechanics Conference, Attendee, Eskişehir, Turkey, 2018
21th International Conference on Composite Structures (ICCS21), Session Moderator, Bologna, Italy, 2018
45th International Conference on Metallurgical Coatings and Thin Films (ICMCTF 2018), Attendee, California, United States Of America, 2018
20th International Conference on Composite Structures (ICCS20), Attendee, Paris, France, 2017
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Research Areas

Mechanical Engineering, Construction and Manufacturing, Tribology, Mechanical, Biomechanics, Metallurgical and Materials Engineering, Material science and engineering, Mechanical Properties, Plating, Material Characterization, Engineering and Technology