

## Assoc. Prof. TALİP ÇELİK

### Personal Information

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### International Researcher IDs

ORCID: 0000-0003-0033-2454

Publons / Web Of Science ResearcherID: F-6202-2018

ScopusID: 55832557900

Yoksis Researcher ID: 39778

### Education Information

Doctorate, Kocaeli University, Fen Bilimleri Enstitüsü, Biyomedikal Mühendisliği (Dr), Turkey  
2012 - 2018

Postgraduate, Kocaeli University, Fen Bilimleri Enstitüsü, Makine Eğitimi Anabilim Dalı,  
Turkey 2009 - 2012

Undergraduate, Anadolu University, Faculty Of Business Administration, Department Of  
Business, Turkey 2006 - 2011

Undergraduate, Kocaeli University, Mühendislik Fakültesi, Makina Mühendisliği, Turkey 2004  
- 2009

### Foreign Languages

English, B1 Intermediate

### Dissertations

Doctorate, Ortopedik implantlarda mekanik kararlılığın analizi, Kocaeli University, Teknoloji Fakültesi, Biyomedikal  
Mühendisliği, 2018

Postgraduate, Trokanterler arası femür kırıklarında dinamik kalça çivisinin yerleşim konumuna göre gerilme dağılımı,  
Kocaeli University, Teknoloji Fakültesi, Biyomedikal Mühendisliği, 2012

### Research Areas

Biomedical Engineering, Biomechanics, Mechanical Engineering, Mechanical, Solid Mechanics, Biomechanics, Mechanical  
Testing, Engineering and Technology

### Academic Titles / Tasks

Associate Professor, Kocaeli University, Teknoloji Fakültesi, Biyomedikal Mühendisliği, 2022 - Continues

Assistant Professor, Kocaeli University, Teknoloji Fakültesi, Biyomedikal Mühendisliği, 2021 - 2022

Research Assistant PhD, Kocaeli University, Teknoloji Fakültesi, Biyomedikal Mühendisliği, 2018 - 2021

Research Assistant, Kocaeli University, Teknik Eğitim Fakültesi, Makina Eğitimi, 2010 - 2018

## Academic and Administrative Experience

Deputy Director of Continuing Education Center, Kocaeli University, Teknoloji Fakültesi, Biyomedikal Mühendisliği, 2023 - Continues

AÖF Sınav Koordinatör Yardımcılığı, Kocaeli University, Teknoloji Fakültesi, Biyomedikal Mühendisliği, 2023 - Continues

Head of Department, Kocaeli University, Teknik Eğitim Fakültesi, Makina Eğitimi, 2022 - Continues

Fakülte Yönetim Kurulu Üyesi, Kocaeli University, Teknik Eğitim Fakültesi, Makina Eğitimi, 2022 - Continues

Bölüm Kalite Komisyonu Üyesi, Kocaeli University, Teknoloji Fakültesi, Biyomedikal Mühendisliği, 2022 - Continues

Vice Dean, Kocaeli University, Teknoloji Fakültesi, 2023 - 2023

Deputy Head of Department, Kocaeli University, Teknoloji Fakültesi, Biyomedikal Mühendisliği, 2021 - 2023

Adaptation/Exemption Committee Member, Kocaeli University, Teknoloji Fakültesi, Biyomedikal Mühendisliği, 2019 - 2021

## Courses

Bitirme Projesi B, Undergraduate, 2021 - 2022, 2019 - 2020

Tasarım ve Optimizasyon, Undergraduate, 2020 - 2021, 2019 - 2020

İşyeri Eğitimi, Undergraduate, 2021 - 2022, 2019 - 2020

Sonlu Elemanlar Analizi, Undergraduate, 2021 - 2022

Bilgisayar Destekli Tasarım, Undergraduate, 2019 - 2020, 2018 - 2019

İmplant Tasarım ve Teknolojileri, Undergraduate, 2020 - 2021

Bitirme Projesi A, Undergraduate, 2020 - 2021, 2019 - 2020

Makine ve Ölçme Bilgisi, Undergraduate, 2019 - 2020

Teknik Resim, Undergraduate, 2019 - 2020

Makine ve Ölçme Bilgisi, Undergraduate, 2019 - 2020

Mühendislikte Çizim, Undergraduate, 2020 - 2021

Araştırma ve Rapor Yazım Teknikleri, Undergraduate, 2020 - 2021, 2019 - 2020

Mühendislik Mekaniği, Undergraduate, 2019 - 2020

## Advising Graduates (Non-Thesis)

Çelik T., Biyomedikal Cihazlarda Hurda Enkaz Köhne (HEK) Süreci ve HEK Süreçlerinin İyileştirilmesi, Masters (Non-Thesis, Evening Education), H.Arduç(Student), 2023

Çelik T., Bilgisayarlı Tomografide Hasta Dozunu Azaltmak İçin Kullanılan Bizmut Koruyucuların Hasta Dozu ve Görüntü Kalitesine Etkisi, Masters (Non-Thesis, Evening Education), A.TURGUT(Student), 2023

Çelik T., Anestezik Gaz Ölçüm Teknolojilerinin Araştırılması ve Uygulamalarının Maliyet Yönünden Değerlendirilmesi, Masters (Non-Thesis, Evening Education), E.Aydın(Student), 2023

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

### I. BIOMECHANICAL EVALUATION OF A NEWLY DEVELOPED FUNCTIONAL-GRADE COMPOSITE MATERIAL FOR PEDICLE SCREWS.

Çelik T., Taş Z.

World neurosurgery, vol.187, 2024 (SCI-Expanded)

- II. **Biomechanical evaluation of intramedullary retrograde nail and dynamic condylar screw used in unstable distal femoral fractures**  
Dizdar A., Çelik T., Ozkan A.  
PHYSICAL AND ENGINEERING SCIENCES IN MEDICINE, vol.46, no.4, pp.1755-1764, 2023 (SCI-Expanded)
- III. **Effects of the internal contact surfaces of dental implants on screw loosening: A 3-dimensional finite element analysis**  
Al-Sanea A., Aktaş S., Çelik T., Kişioğlu Y.  
JOURNAL OF PROSTHETIC DENTISTRY, vol.130, no. article in press, pp.1-11, 2023 (SCI-Expanded)
- IV. **Effects of Different Ambient Conditions on Mechanical Properties of 3D Printing Parts Produced with Fused Deposition Modeling**  
Çelik T., Dizdar A.  
JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, vol.32, no.15, pp.1-7, 2023 (SCI-Expanded)
- V. **Metatarsal bone model production using 3D printing and comparison of material properties with results obtained from CT-based modeling and real bone**  
COŞKUN Z., ÇELİK T., KİŞİOĞLU Y.  
Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, vol.237, pp.481-488, 2023 (SCI-Expanded)
- VI. **Evaluation of the Relation Between Preload Values and Pull-Out Force of the Cortical Screw Used in Bone Fracture**  
ÇELİK T.  
JOURNAL OF BIOMECHANICAL ENGINEERING-TRANSACTIONS OF THE ASME, vol.143, no.9, 2021 (SCI-Expanded)
- VII. **Biomechanical evaluation of the screw preload values used in the plate placement for bone fractures**  
Çelik T.  
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART H-JOURNAL OF ENGINEERING IN MEDICINE, vol.235, no.2, pp.141-147, 2021 (SCI-Expanded)
- VIII. **Evaluation of new hip prosthesis design with finite element analysis**  
Talip C., Kişioğlu Y.  
AUSTRALASIAN PHYSICAL & ENGINEERING SCIENCES IN MEDICINE, vol.42, pp.1033-1038, 2019 (SCI-Expanded)
- IX. **Finite Element Analysis of Short- Versus Long-Segment Posterior Fixation for Thoracolumbar Burst Fracture**  
Basaran R., Efendioglu M., Kaksi M., Çelik T., Mutlu İ., Uçar M.  
WORLD NEUROSURGERY, vol.128, 2019 (SCI-Expanded)
- X. **Medial malleolus fractures: A biomechanical comparison of tension band wiring fixation methods**  
Uygur E., Poyanli O., MUTLU İ., ÇELİK T., Akpınar F.  
ORTHOPAEDICS & TRAUMATOLOGY-SURGERY & RESEARCH, vol.104, no.8, pp.1259-1263, 2018 (SCI-Expanded)
- XI. **The effect of cement on hip stem fixation: a biomechanical study**  
Çelik T., Mutlu İ., Ozkan A., Kişioğlu Y.  
AUSTRALASIAN PHYSICAL & ENGINEERING SCIENCES IN MEDICINE, vol.40, pp.349-357, 2017 (SCI-Expanded)
- XII. **Evaluation of prebent miniplates in fixation of Le Fort I advancement osteotomy with the finite element method**  
Coşkunes F. M., Kan B., Mutlu İ., Cilasun U., Çelik T.  
JOURNAL OF CRANIO-MAXILLOFACIAL SURGERY, vol.43, pp.1505-1510, 2015 (SCI-Expanded)
- XIII. **The effect of proximal tibial corrective osteotomy on menisci, tibia and tarsal bones: a finite element model study of tibia vara.**  
ATMACA H., Özkan A., MUTLU I., CELIK T., UĞUR L., KISIOGLU Y.  
The international journal of medical robotics + computer assisted surgery : MRCAS, vol.10, pp.93-7, 2014 (SCI-Expanded)
- XIV. **Evaluation of contact characteristics of a patient-specific artificial dysplastic hip joint**  
MUTLU İ., Ugur L., ÇELİK T., BULUÇ L., Muezzinoglu U. S., KİŞİOĞLU Y.  
ACTA OF BIOENGINEERING AND BIOMECHANICS, vol.16, no.2, pp.111-120, 2014 (SCI-Expanded)
- XV. **Stress distribution comparisons of foot bones in patient with tibia vara: a finite element study**

Ozkan A., Atmaca H., MUTLU İ., ÇELİK T., Ugur L., KİŞİOĞLU Y.

ACTA OF BIOENGINEERING AND BIOMECHANICS, vol.15, no.4, pp.67-72, 2013 (SCI-Expanded)

XVI. **Comparison of 3D and 2D models editing process in pre osteotomy planning**

Mutlu İ., Özkan A., Atmaca H., Çelik T., M Yavuz Ç., Kişioğlu Y.

Journal Of Biomechanics, vol.44, pp.18, 2011 (SCI-Expanded)

XVII. **Femur İntertrokanterik Kırıklarında Dinamik Kalça Vidasasının DHS Yerleşimine Göre Kesilme Kuvvetlerinin İncelenmesi**

Çelik T., Buluç L., Yavuz Ç., Kişioğlu Y., Özkan A., Müezzinoğlu Ü. S.

Acta Orthopaedica Et Traumatologica Turcica, vol.45, pp.178, 2011 (SCI-Expanded)

## Articles Published in Other Journals

I. **EVALUATIONS OF MECHANICAL PROPERTIES FOR FREE-RANGE AND CAGED CHICKEN FEMURS**

Çelik T., Ağın B., Kişioğlu Y.

AUSTRALIAN JOURNAL OF MECHANICAL ENGINEERING, vol.22, no.1, pp.68-78, 2024 (ESCI)

II. **Development of the calculation method for the loads acting on the lower control arm in vehicles**

SOYDAŞ S., ÇELİK T., SARAÇ H. İ.

Journal of Materials and Mechatronics:A (Online), vol.4, pp.373-383, 2023 (Peer-Reviewed Journal)

III. **Biodegradable Pla/Ha Composite Material Production and Mechanical Characterization for Temporary Implant Applications**

Çelik T., Saraçoğlu B., Özkan A., İlhan Y.

International Journal of Pioneering Technology and Engineering, vol.2, no.2, pp.188-192, 2023 (Peer-Reviewed Journal)

IV. **PARÇALI OLARAK ÜRETİLEN 3 BOYUTLU YAZICI PARÇALARINDA BAĞLANTI TİPLERİNİN MEKANİK AÇIDAN DEĞERLENDİRİLMESİ**

Çelik T., Mutlu İ., Özkan A.

International Journal of 3D Printing Technologies and Digital Industry, vol.6, pp.137-142, 2022 (Peer-Reviewed Journal)

V. **Design and Manufacture of the Torque Test Setup For Small and Shapeless Materials**

COŞKUN Z., ÇELİK T., KİŞİOĞLU Y.

Turkish Journal of Engineering, vol.6, no.1, pp.81-86, 2022 (Scopus)

VI. **New Hip Prosthesis Design And Evaluation With Using Finite Element Analysis**

Çelik T., Kişioğlu Y.

Journal of Polytechnic, vol.1, no.1, pp.1-9, 2022 (ESCI)

VII. **Femur Transvers Kırıklarında Plak ve İntamedüller Çivi Kullanımının Mekanik Yönden Değerlendirilmesi**

Dızdar A., Çelik T., Özkan A.

Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.10, no.1, pp.51-60, 2022 (Peer-Reviewed Journal)

VIII. **Comparision of the stress distribution between high-heeled and flat shoes on the first metatarsal bone**

COŞKUN Z., ÇELİK T., KİŞİOĞLU Y.

JOURNAL OF POLYTECHNIC-POLITEKNİK DERGISI, vol.24, no.3, pp.1303-1308, 2021 (ESCI)

IX. **A Statistical Approach To Measure Uniformity Of Fuji Prescale Pressure Sensitive Film Samples**

MUTLU İ., ÇELİK T., ÖZKAN A., KİŞİOĞLU Y.

Bitlis Eren Üniversitesi Fen Bilimleri Dergisi, vol.10, no.3, pp.920-929, 2021 (Peer-Reviewed Journal)

X. **Pedikül Vidaları İçin PLA Malzeme Kullanımının Mukavemet Açısından Değerlendirilmesi**

ÇELİK T., TAŞDEMİRCİ Ç., MUTLU İ., ÖZKAN A.

Afyon Kocatepe University Journal of Sciences and Engineering, vol.21, no.4, pp.996-1004, 2021 (Peer-Reviewed Journal)

XI. **The evaluation of the relation between dynamic hip screw positions and its failure in unstable femur**

## fractures

ÇELİK T., MUTLU İ., ÖZKAN A., KİŞİOĞLU Y.

Australian Journal of Mechanical Engineering, vol.19, 2021 (ESCI)

- XII. **Evaluation of Hip Prosthesis Stability via Harmonic Response Analysis**  
Çelik T., Kişioğlu Y.  
JOURNAL OF POLYTECHNIC-POLITEKNİK DERGİSİ, vol.23, pp.81-84, 2020 (ESCI)
- XIII. **Determination of The Hip Stem Loosening Using Vibration Method**  
Çelik T., Kişioğlu Y.  
European Journal of Engineering and Natural Sciences, vol.3, no.1, pp.73-77, 2019 (Peer-Reviewed Journal)
- XIV. **Kalça Protezi Stabilitesinin Harmonik Cevap Analizleri İle Değerlendirilmesi**  
ÇELİK T., KİŞİOĞLU Y.  
Politeknik Dergisi, 2019 (Peer-Reviewed Journal)
- XV. **Tibia Kırıklarının Eksternal Fiksator ile Tespitinin Malzeme ve Geometri Unsurları Yönünden Değerlendirilmesi**  
Bülbül F., Çelik T., Özkan A.  
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.6, no.4, pp.1410-1419, 2018 (Peer-Reviewed Journal)
- XVI. **Comparison of the Lag Screw Placements for the Treatment of Stable and Unstable Intertrochanteric Femoral Fractures regarding Trabecular Bone Failure.**  
Celik T., Mutlu I., Ozkan A., Kısıoğlu Y.  
Journal of medical engineering, vol.2016, pp.5470798, 2016 (Peer-Reviewed Journal)
- XVII. **How does the material variation of dynamic hip screw affect the cut-out risk in the treatment of intertrochanteric femoral fractures?**  
Çelik T., Mutlu İ., Özkan A., Kişioğlu Y.  
International Journal of Experimental and Computational Biomechanics, vol.4, no.1, pp.49, 2016 (Peer-Reviewed Journal)
- XVIII. **EFFECTS OF SALTER PELVIC OSTEOTOMY ANGLE ON CONTACT AREA AND PRESSURE DISTRIBUTION IN THE HIP JOINT: AN EXPERIMENTAL STUDY**  
MUTLU İ., UĞUR L., ÇELİK T., ÖZKAN A., MEMİŞOĞLU K., KİŞİOĞLU Y.  
Süleyman Demirel Üniversitesi Mühendislik Bilimleri ve Tasarım Dergisi, vol.2, no.2, pp.243-245, 2014 (Peer-Reviewed Journal)
- XIX. **SALTER PELVİK OSTEOTOMİ AÇISININ KALÇA EKLEMİNDE TEMAS ALANINA VE BASINÇ DAĞILIMINA ETKİLERİ DENEYSEL ÇALIŞMA**  
MUTLU İ., UĞUR L., ÇELİK T., ÖZKAN A., MEMİŞOĞLU K., KİŞİOĞLU Y.  
Süleyman Demirel Üniversitesi Mühendislik Bilimleri ve Tasarım Dergisi, vol.2, pp.243-247, 2014 (Peer-Reviewed Journal)
- XX. **Lag Vidasının Farklı Sabitleme Pozisyonunda Dinamik Kalça Çivisi ile Tedavi Edilen İntertrokanterik Femoral Kırıklarının Kararlılığı**  
Çelik T., Mutlu İ., Özkan A., Kişioğlu Y.  
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.1, no.1, pp.120-129, 2013 (Peer-Reviewed Journal)
- XXI. **The Stability of Femoral Intertrochanteric Fractures Treated with Dynamic Hip Screw in Different Fixation Position of Lag Screw**  
ÇELİK T., MUTLU İ., ÖZKAN A., KİŞİOĞLU Y.  
Duzce University Journal of Science and Technology, vol.1, pp.120-129, 2013 (Peer-Reviewed Journal)
- XXII. **Cerrahi Öncesi Planlamada Üç Boyutlu Simülasyon ve İki Boyutlu Resim Editörü Programlarının Karşılaştırılması**  
ÖZKAN A., MUTLU İ., ÇELİK T., KİŞİOĞLU Y., AYAN S.  
İleri Teknoloji Bilimleri Dergisi, vol.1, pp.80-86, 2012 (Peer-Reviewed Journal)
- XXIII. **Comparison of three Dimensional Simulation and Dimensional Image Editor Softwares at the pre Surgery Planning**  
ÖZKAN A., MUTLU İ., ÇELİK T., KİŞİOĞLU Y., AYAN S.  
Journal of Advanced Technology Sciences, vol.1, pp.80-86, 2012 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **BIOMECHANICAL ANALYSIS AND IMPLANT DESIGN FOR TREATING METATARSAL FRACTURES**  
Demir D., Çelik T., Asadı Dereshgi H.  
AVRASYA 10TH INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, Tbilisi, Georgia, 2 - 05 May 2024, pp.1-10
- II. **COMPARATIVE ANALYSIS OF TORQUE LOSS IN DENTAL IMPLANT ABUTMENT SCREWS MANUFACTURED USING MACHINING, DIE, AND THREAD ROLLING METHODS**  
AL-sanea A., ÇELİK T., AKTAŞ S., KİŞİOĞLU Y.  
IMASCON, Kocaeli, Turkey, 09 June 2023
- III. **3D YAZICI İLE ÜRETİLEN METATARSAL KEMİK MODELİNİN BURULMA TESTİ İLE MEKANİK ÖZELLİKLERİNİN BELİRLENMESİ VE GERÇEK KEMİK İLE KARŞILAŞTIRILMASI**  
ÖZKAN A., ÇELİK T., ÇOLAK S., COŞKUN TAŞ Z., AYAL M., HEPGÜLER Z., HANTAL F.  
IMASCON, Kocaeli, Turkey, 09 June 2023
- IV. **Evaluation of the Effect of Friction Coefficient between Dental Implant Components on Dental Implant Stability Using Modal Analysis**  
ÇELİK T., AKTAŞ S., KİŞİOĞLU Y.  
International Marmara Sciences Congress (Imascon Autumn) 2022, 09 December 2022
- V. **TECHNIQUES FOR CREATING DIGITAL TWINS FOR THE APPLICATION OF BIOMECHANICS IN FINITE ELEMENT ANALYSIS APPLICATIONS**  
Dizdar A., Özkan A., Çelik T.  
IMASCON, Kocaeli, Turkey, 9 - 10 December 2022, pp.61
- VI. **OBTAINING BONE MODEL SIMILAR TO THE MATERIAL PROPERTIES OF THE FIRST METATARSAL BONE USING 3D PRINTER TECHNOLOGY**  
Coşkun Z., Çelik T.  
5. International Conference on Life and Engineering Sciences (ICOLES 2022), Antalya, Turkey, 19 - 22 May 2022, pp.1-5
- VII. **DESIGN OF NEW PEDICLE SCREW AND BIOMECHANICAL EVALUATION USING FINITE ELEMENT ANALYSIS**  
Coşkun Z., Çelik T.  
3 RD INTERNATIONAL CONFERENCE ON APPLIED ENGINEERING AND NATURAL SCIENCES, Konya, Turkey, 20 - 23 July 2022, vol.1, no.1, pp.567-568
- VIII. **The Mechanical Evaluation of the Connection types in 3D printer part**  
Çelik T., Özdemir O., Mutlu İ.  
Imascon, Kocaeli, Turkey, 10 - 12 December 2021, pp.20
- IX. **ÇÖZÜCÜ DÖKÜM PARTİKÜL UZAKLAŞTIRMA TEKNİĞİYLE ÜRETİLEN BİYOBOZUNUR PLA/HA KOMPOZİTLERİN İNCELENMESİ**  
Saraçoğlu B., Çelik T., Özkan A.  
IMASCON 2021, Kocaeli, Turkey, 10 - 11 December 2021, pp.495-500
- X. **COMPARISON OF THE USE OF PLATE AND INTRAMEDULLARY NAILS WITH FINITE ELEMENT ANALYSIS IN STABILIZING FEMUR SHAFT FRACTURES**  
Dizdar A., Özkan A., Çelik T.  
IMASCON, Kocaeli, Turkey, 21 - 22 May 2021, pp.1-10
- XI. **Design and Manufacture of the Torque Test Setup for Small and Shapeless Materials**  
Coşkun Z., Çelik T., Kişioğlu Y.  
5th International Engineering and Natural Sciences Conference, Diyarbakır, Turkey, 4 - 06 November 2020, pp.1-10
- XII. **FARKLI STEM TASARIMLARININ KEMİK VE STEM ÜZERİNE ETKİLERİNİN SONLU ELEMENLAR YÖNTEMİ KULLANARAK İNCELENMESİ**  
ÇELİK T.  
IMASCON, 01 November 2019
- XIII. **PLAKLARI YERLEŞTİRMEDE KULLANILAN KORTİKAL VİDALARI ÖNYÜKLEME DEĞERLERİNİN KEMİK**

## VE PLAK ÜZERİNE ETKİLERİNİN İNCELENMESİ

ÇELİK T.

IMASCON, 1 - 03 November 2019

- XIV. **Gezen Tavuklar ile Çiftlik Tavuklarının Femur Kemiklerinin Mekanik Özelliklerinin Belirlenmesi ve Karşılaştırılması**  
Ağın B., ÇELİK T., KİŞİOĞLU Y.  
2. Uluslararası Erciyes Bilimsel Araştırmalar Kongresi, Kayseri, Turkey, 27 - 29 September 2019
- XV. **Finite element analysis of long versus short segment posterior screw fixation for thoracolumbar burst fracture**  
balak N., başaran R., ÇELİK T., efendioğlu m., kakşi m., MUTLU İ., UÇAR M.  
European Congress of Neurosurgery (EANS2019), Dublin, Ireland, 24 - 28 September 2019
- XVI. **Sonlu Elemanlar Analizi ile Hibrid Kalça Protezi Tasarımının Değerlendirilmesi**  
ÇELİK T., KİŞİOĞLU Y.  
Internatinal Marmara Science and Social Sciences Congress(IMASCON), Kocaeli, Turkey, 23 - 25 November 2018
- XVII. **Hayvansal Tendonun İn Vitro Sürünme Davranışı**  
MUTLU İ., ÇELİK T., ÖZKAN A.  
Internatinal Marmara Science and Social Congress (IMASCON), Kocaeli, Turkey, 23 - 25 November 2018
- XVIII. **Optimal Location Determinations For Different Types Of Mandibular Fractures**  
ÖZKAN A., PUSUR M., ÇELİK T., TAŞDEMİRCİ Ç.  
ICENS, kiev, Ukraine, 2 - 06 May 2018
- XIX. **Determination Of The Hip Stem Loosening Using Vibration Method**  
ÇELİK T., KİŞİOĞLU Y.  
ICENS, KİEV, Ukraine, 2 - 06 May 2018
- XX. **MEDİAL MALLEOL KIRIĞINA YÖNELİK FARKLI TESPİT YÖNTEMLERİNİN GERGİ BANDI İLE KARŞILAŞTIRILMASI: BİYOMEKANİK ÇALIŞMA**  
UYGUR M. E., POYANLI O. Ş., MUTLU İ., ÇELİK T., AKPINAR F.  
27. Ulusal Türk Ortopedi ve Travmatoloji Kongresi, Antalya, Turkey, 24 - 29 October 2017
- XXI. **The Effect of Cement on Hip Stem Fixation A Biomechanical Study**  
ÇELİK T., MUTLU İ., ÖZKAN A., KİŞİOĞLU Y.  
Uluslararası Katılımlı 8. Ulusal Biyomekanik Kongresi, Ankara, Turkey, 19 - 23 October 2016
- XXII. **EFFECTS OF SALTER PELVIC OSTEOTOMY ANGLE ON CONTACT AREA AND PRESSURE DISTRIBUTION IN THE HIP JOINT: AN EXPERIMENTAL STUDY**  
MUTLU İ., UĞUR L., ÇELİK T., ÖZKAN A., MEMİŞOĞLU K., KİŞİOĞLU Y.  
VII. National Biomechanics Congress with International Participation, Isparta, Turkey, 16 - 18 October 2014

## Supported Projects

ÇELİK T., COŞKUN TAŞ Z., Project Supported by Higher Education Institutions, Fonksiyonel Derecelendirilmiş Titanyum İmplant Üretimi, Mekanik ve Hüresel Karakterizasyonu, 2024 - Continues

ÇELİK T., ÖZKAN A., Saraçoğlu B., Project Supported by Higher Education Institutions, Geçici İmplant Uygulamaları için Biyobozunur PLA/HA Nanokompozit Malzemenin Üretilmesi ve Analizi, 2021 - 2022

Çelik T., Mutlu İ., TUBITAK Project, Verilen Nefeste Karbondioksit Gazının Ölçülmesi Amacıyla Kullanılan Mobil Kapnografi Cihazının Yerli Üretimi, 2020 - 2022

ÖZKAN A., TAŞDEMİRCİ Ç., ÇELİK T., Project Supported by Higher Education Institutions, Biyomekanik Laboratuvarının Tasarım ve Test İçeriklerinin Uzaktan Eğitim Formasyonuna Entegre Edilmesi, 2021 - 2021

ÇELİK T., KİŞİOĞLU Y., COŞKUN Z., Project Supported by Higher Education Institutions, El ve Ayak Parmak Kemikleri için Burulma ve Dört Nokta Eğme Test Sistemi Geliştirilmesi, 2020 - 2021

KİŞİOĞLU Y., ÖZEL H. E., ÖZKAN A., ÇELİK T., CORA S., TAŞDEMİRCİ E., Project Supported by Higher Education Institutions, OKULLARDA AĞIZ VE DİŞ SAĞLIĞI TARAMASI VE MESLEKİ KARIYER GELİŞTİRME, 2018 - 2019

Kişioğlu Y., TUBITAK Project, Total Kalça Protezi Aseptik Gevşeme Derecesinin Titreşim Yöntemi ile Tespiti, 2017 - 2018



## Activities in Scientific Journals

JOURNAL OF CLINICAL MEDICINE, Committee Member, 2019 - 2022  
JOURNAL OF MECHANICAL ENGINEERING, Committee Member, 2019 - 2022  
Committee Member, 2019 - 2021

## Scientific Refereeing

COMPUTERS IN BIOLOGY AND MEDICINE, SCI Journal, April 2024  
SCIENTIFIC REPORTS, SCI Journal, December 2023  
SCIENTIFIC REPORTS, SCI Journal, December 2023  
BMC MUSCULOSKELETAL DISORDERS, SCI Journal, December 2023  
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, National Scientific Refreed Journal, December 2023  
SCIENTIFIC REPORTS, SCI Journal, October 2023  
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SCIENTIFIC REPORTS, SCI Journal, July 2023  
Progress in Additive Manufacturing, Journal Indexed in ESCI, May 2023  
BMC MUSCULOSKELETAL DISORDERS, SCI Journal, April 2023  
BMC SURGERY, SCI Journal, April 2023  
AUSTRALIAN JOURNAL OF MECHANICAL ENGINEERING, Journal Indexed in ESCI, March 2023  
BMC MUSCULOSKELETAL DISORDERS, SCI Journal, January 2023  
AUSTRALIAN JOURNAL OF MECHANICAL ENGINEERING, National Scientific Refreed Journal, December 2022  
Physical and Engineering Sciences in Medicine, SCI Journal, November 2022  
JOURNAL OF ORTHOPAEDIC SURGERY AND RESEARCH, SCI Journal, November 2022  
BMC SURGERY, SCI Journal, December 2021  
DÜZCE ÜNİVERSİTESİ BİLİM VE TEKNOLOJİ DERGİSİ, National Scientific Refreed Journal, October 2021  
BIOMEDICAL ENGINEERING ONLINE, SCI Journal, September 2021  
COMPUTERS IN BIOLOGY AND MEDICINE, SCI Journal, August 2021  
DÜZCE ÜNİVERSİTESİ BİLİM VE TEKNOLOJİ DERGİSİ, National Scientific Refreed Journal, June 2021  
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JOURNAL OF ORTHOPAEDIC SURGERY AND RESEARCH, SCI Journal, June 2021  
POLİTEKNİK DERGİSİ, National Scientific Refreed Journal, June 2021  
TUBİTAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, Kocaeli University, Turkey, April 2021  
POLİTEKNİK DERGİSİ, National Scientific Refreed Journal, March 2021  
MEDICAL SCIENCE MONITOR, SCI Journal, January 2021  
BMC MUSCULOSKELETAL DISORDERS, SCI Journal, January 2021  
Australian Journal of Mechanical Engineering, Journal Indexed in ESCI, January 2021  
JOURNAL OF ORTHOPAEDIC SURGERY AND RESEARCH, SCI Journal, December 2020  
DÜZCE ÜNİVERSİTESİ BİLİM VE TEKNOLOJİ DERGİSİ, National Scientific Refreed Journal, December 2020  
TUBİTAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, Turkey, October 2020  
TUBİTAK Project, 1007 - Public Institutions Research and Development Projects DP, EMP PROJE DANIŞMANLIK LTD.ŞTİ, Turkey, April 2020  
TUBİTAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, HAYRİYA BİLİŞİM VE SAĞLIK TEKNOLOJİLERİ A.Ş., Turkey, April 2020  
JOURNAL OF ORTHOPAEDIC SURGERY AND RESEARCH, SCI Journal, January 2020  
JOURNAL OF ORTHOPAEDIC SURGERY AND RESEARCH, SCI Journal, June 2019  
JOURNAL OF ORTHOPAEDIC SURGERY AND RESEARCH, SCI Journal, May 2019  
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JOURNAL OF ORTHOPAEDIC SURGERY AND RESEARCH, SCI Journal, January 2019



Politeknik Dergisi, National Scientific Refreed Journal, January 2019  
JOURNAL OF ORTHOPAEDIC SURGERY AND RESEARCH, National Scientific Refreed Journal, December 2018  
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JOURNAL OF ORTHOPAEDIC SURGERY AND RESEARCH, SCI Journal, July 2018  
JOURNAL OF ORTHOPAEDIC SURGERY AND RESEARCH, SCI Journal, June 2018  
JOURNAL OF ORTHOPAEDIC SURGERY AND RESEARCH, SCI Journal, March 2018  
Australasian Physical & Engineering Sciences in Medicine, SCI Journal, March 2018  
Australian Journal Of Mechanical Engineering, Journal Indexed in ESCI, February 2018  
JOURNAL OF ORTHOPAEDIC SURGERY AND RESEARCH, SCI Journal, January 2018  
JOURNAL OF ORTHOPAEDIC SURGERY AND RESEARCH, SCI Journal, January 2018  
JOURNAL OF ORTHOPAEDIC SURGERY AND RESEARCH, SCI Journal, December 2017  
JOURNAL OF ORTHOPAEDIC SURGERY AND RESEARCH, SCI Journal, November 2017  
JOURNAL OF ORTHOPAEDIC SURGERY AND RESEARCH, SCI Journal, June 2017  
JOURNAL OF ORTHOPAEDIC SURGERY AND RESEARCH, SCI Journal, April 2017  
JOURNAL OF ORTHOPAEDIC SURGERY AND RESEARCH, SCI Journal, February 2017  
BioMed Research International, SCI Journal, February 2017  
JOURNAL OF ORTHOPAEDIC SURGERY AND RESEARCH, SCI Journal, January 2017  
MEDICAL SCIENCE MONITOR, SCI Journal, January 2017  
JOURNAL OF ORTHOPAEDIC SURGERY AND RESEARCH, SCI Journal, October 2016  
JOURNAL OF ORTHOPAEDIC SURGERY AND RESEARCH, SCI Journal, October 2016  
Computers in Biology and Medicine, SCI Journal, February 2015  
Computer Applications in Engineering Education, SCI Journal, March 2014

## **Metrics**

Publication: 62  
Citation (WoS): 109  
Citation (Scopus): 131  
H-Index (WoS): 7  
H-Index (Scopus): 8

## **Congress and Symposium Activities**

IMASCON, Attendee, Kocaeli, Turkey, 2018  
ICENS, Attendee, Kyiv, Ukraine, 2018